

# Bus spare parts



Engine and clutch  
Exhaust system  
Cooling  
Filters  
Electrics and lighting  
Axle and steering parts  
Suspension and damping  
Pneumatic system  
Braking system  
Heating, ventilation,  
air conditioning  
Frame, coachwork,  
vehicle equipment  
Everything for the bus  
workshop

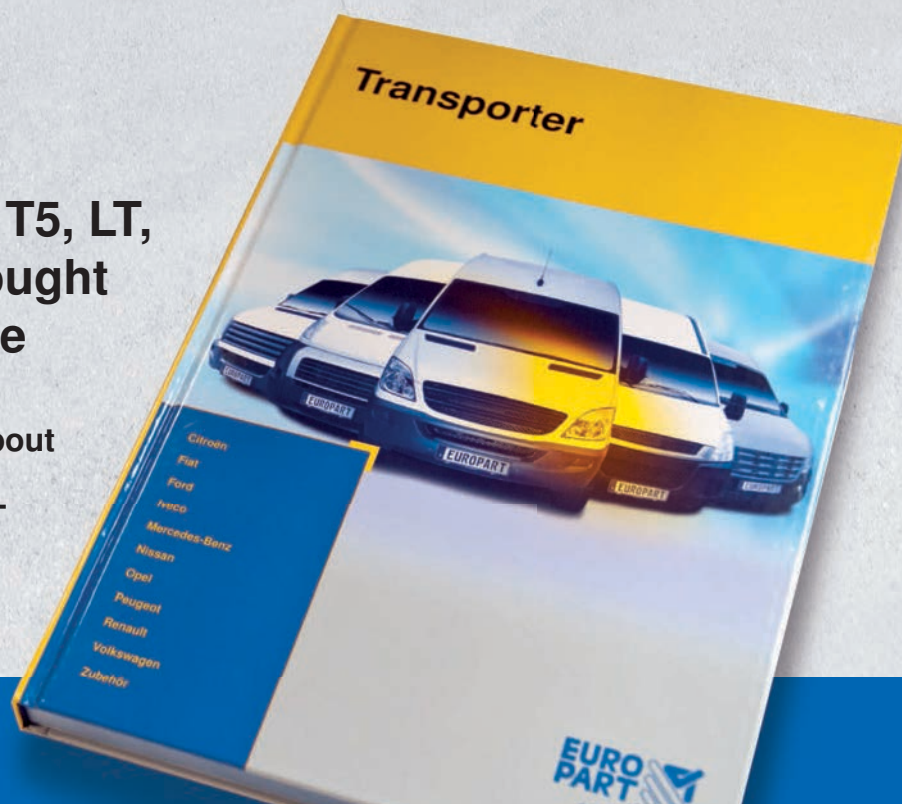


# From the largest coach to the smallest minibus, we have the right part for you!



**Spare parts for Sprinter, T5, LT, Daily and the others, brought together in one catalogue**

You will receive competent advice about spare parts for Sprinter, T5, LT, Daily and the others from your EUROPART branch.





## **The EUROPART bus catalogue - the comprehensive package for your buses!**

This catalogue offers you an overview of our extensive range of spare parts for public service buses, intercity buses and coaches. In addition, you will find a wide spectrum of items for your bus workshop, from lifting platforms, through diagnostic technology to engine oils.

### **Clear and cross-linked**

- The vehicle designations and engine types indicated serve as information during the identification of the specific vehicle application.
- To identify the parts which are specific to your bus, please contact your EUROPART branch, having ready the complete Vehicle Identification Number (VIN).
- Or use the vehicle part search in our EWOS (EUROPART Workshop Online System) at [www.ewos.net](http://www.ewos.net).

The catalogue offers an extract from our comprehensive bus spare parts range. If an item which you need is not listed in the catalogue, please contact your EUROPART branch.

### **Everyday usage hints**

- The Setra applications divide into the 300 and 400 series, each in the sequence TopClass, ComfortClass and MultiClass.
- The Volvo applications relate to the chassis types. In the product areas of lighting and mirrors, the four digit installation variant is also given.
- The Scania applications relate to the chassis types.
- Cross-reference numbers on the pages of the catalogue serve for identification purposes only.

You will find a comprehensive index subdivided by bus type at the end of the catalogue!

**EUROPART – Europe's No. 1 for truck, trailer, van and bus spare parts.**

The main focus of the catalogue is on spare parts  
suitable for the following bus types!



# Bus types

## Fast

Scoler

Syter

## Heuliez

Series GX



## Irisbus

Agora

Arès

Arway

Axer

Citelis

Citelis CNG

Crossway LE

Domino [2001–]

New Domino [2007–]

Eurorider

Evadys

Iliade

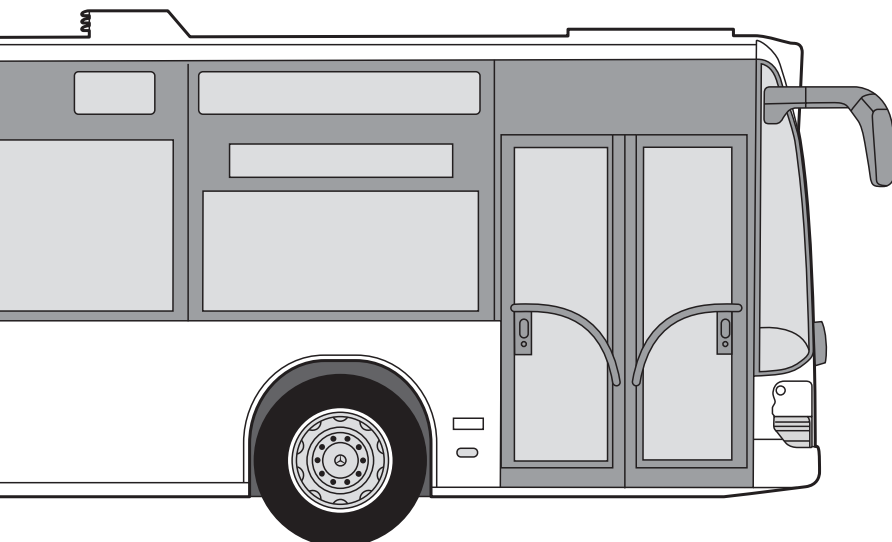
Magelys

Récréo [1997–]

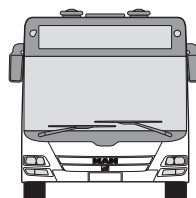
Récréo II [2006–]

## Iveco

CityClass



## MAN



Lion's City EL (A78) [2004–]

Lion's City NG (A23) [2004–]

Lion's City NL (A21) [2004–]

Lion's City NL (A37) [2004–]

Lion's City NL (A47) [2004–]

Lion's City NÜ (A20) [2004–]

Lion's Classic Ü (A72)

Lion's Coach (R07/R08)

Lion's Regio (R12/R13)

Lion's Star (R02/R03)

EL (A12)

NG (A11)

NG (A23) [1998–2004]

NL (A10/A15)

NL (A21) [1997–2004]

NÜ (A20) [1996–2004]

## Mercedes-Benz



Citaro I (O 530) [1997–]

Citaro II (O 530) [2006–]

Citaro C2 (O 530) [2011–]

Cito (O 520)

Conecto I (O 345) [1996–2007]

Integro II (O 550) [2005–]

Intouro I (O 560) [1999–]

Intouro II [2007–]

O 404

O 405 N

O 407

O 408

Tourino (O 510)

Tourismo I (O 350) [1994–2006]

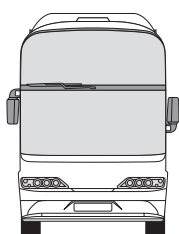
Tourismo II [2006–]

Travego I (O 580) [1999–2005]

Travego II [2005–]

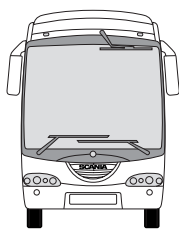


## Neoplan



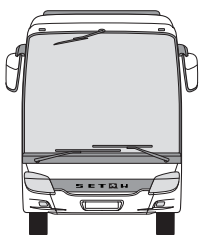
Centroliner Evolution  
(model series N 45XX)  
Cityliner (model series N 12XX)  
Skyliner (N 1122)  
Skyliner [2011 –]  
Starliner (model series N 52XX)  
Tourliner (N 2216)  
Trendliner (N 3516)

## Scania



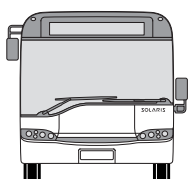
L94  
K94  
K114  
K124  
K360  
K380

## Setra



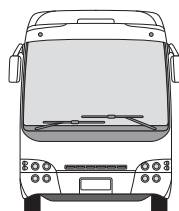
Series 300 HD (TopClass)  
Series 300 HDH (TopClass)  
S 328 DT (TopClass)  
Series 300 GT-HD (ComfortClass)  
Series 300 NF (MultiClass)  
Series 300 UL (MultiClass)  
Series 400 HD (TopClass)  
Series 400 HDH (TopClass)  
S 431 DT (TopClass)  
Series 400 GT-HD (ComfortClass)  
Series 400 NF (MultiClass)  
Series 400 UL (MultiClass)

## Solaris



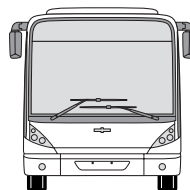
Urbino III  
Vacanza

## Temsa



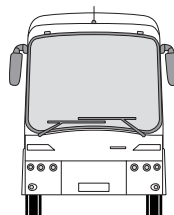
Diamond  
Opalin  
Safari  
Tourmalin

## Van Hool



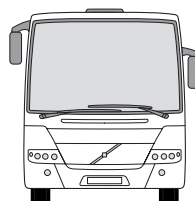
Series A  
Series T

## VDL



Berkhof Ambassador  
Bova Futura  
Bova Lexio  
Bova Magiq  
Bova Synergy  
Citea

## Volvo



B5LH  
B7L  
B7R  
B9L  
B9R  
B9TL  
B10B  
B10L  
B10M  
B12  
B12B  
B12R  
B13R

You will find a comprehensive index for each of these bus types at the end of the catalogue!

# WELCOME TO EUROPE'S NUMBER 1



## **... supplier of truck, trailer, van and bus spare parts.**

EUROPART is the leading distributor of spare parts and accessories for all types of commercial vehicles, buses and special vehicles in Europe. In addition, EUROPART offers its main customer groups from motor vehicle workshops, forwarding agents and fleet operators a wide range of workshop equipment. This includes the areas of chemistry, workshop/factory fittings and equipment, fastening technology, occupational safety and much more for everyday operation.

EUROPART has an outstanding international network and is present in 200 locations throughout 27 countries, with its own branches and in the offices of cooperation partners.





## **Our network – 200 locations in 27 countries**

EUROPART – international partner for  
the workshop







## Commercial vehicle diagnostics technology for buses

### We keep vehicles on the move:

Across-brand diagnostic tools for rigid trucks, trailers, semi-trailers, agricultural vehicles, vans, cars and buses

- Test and diagnostics technology
- Brakes/Axle Service
- Engines/gearboxes
- Air suspension and much more

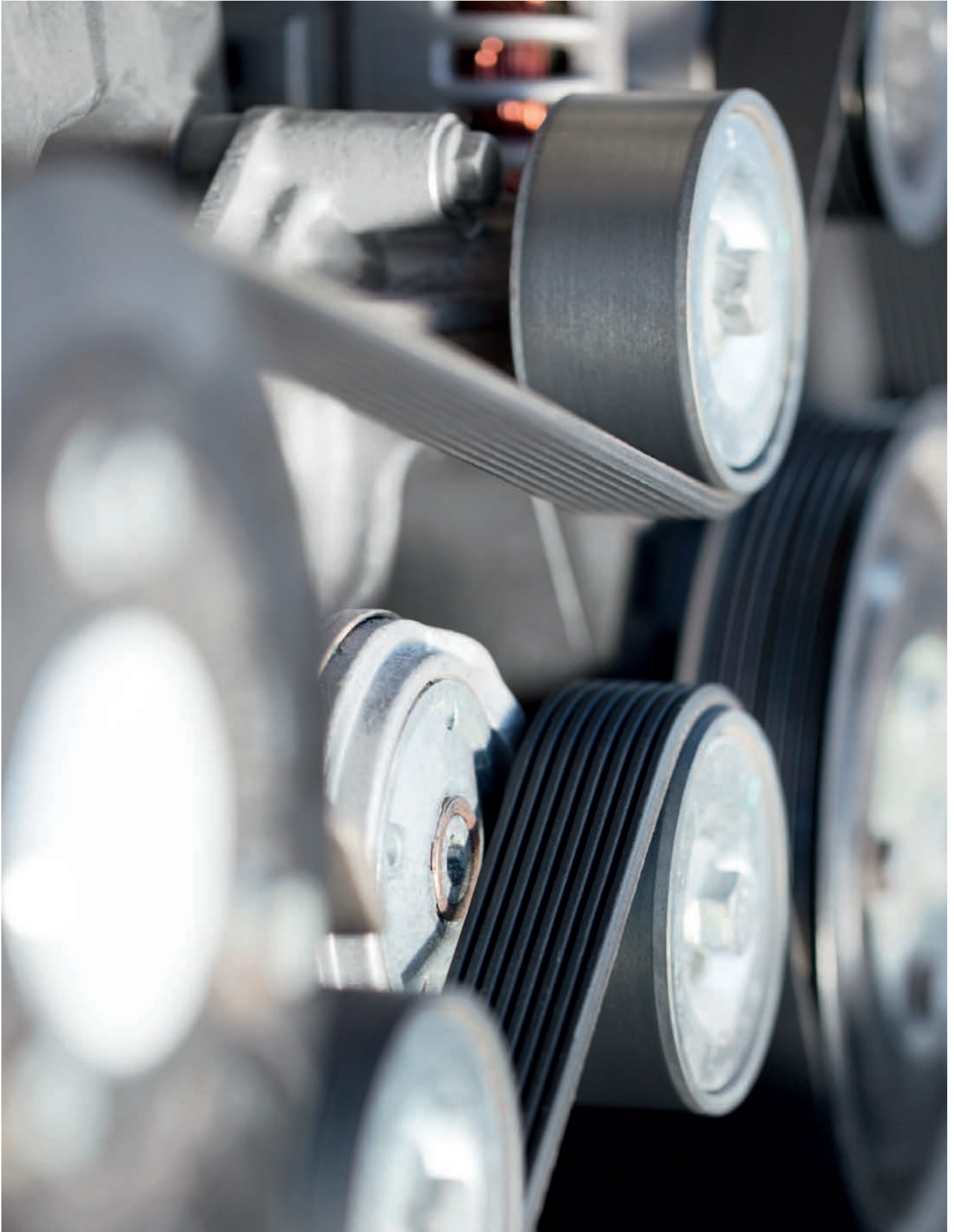
You'll find all the information about the product on page 625



|                                        |           |
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| Engine and clutch                      | <b>1</b>  |
| Exhaust system                         | <b>2</b>  |
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| Electrics and lighting                 | <b>5</b>  |
| Axle and steering parts                | <b>6</b>  |
| Suspension and damping                 | <b>7</b>  |
| Pneumatic system                       | <b>8</b>  |
| Braking system                         | <b>9</b>  |
| Heating, ventilation, air conditioning | <b>10</b> |
| Frame, coachwork, vehicle equipment    | <b>11</b> |
| Everything for the bus workshop        | <b>12</b> |

# Engine and clutch

1





|                               |        |
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| Exhaust turbocharger. . . . . | 62, 63 |
| Oil cooling . . . . .         | 64-66  |
| Fuel system . . . . .         | 67-72  |
| Clutch. . . . .               | 73-89  |

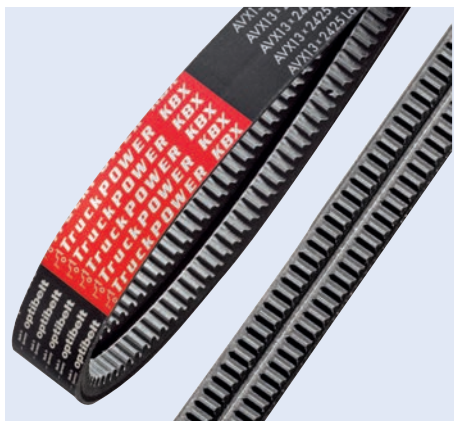


(Illustration similar)

**V-belt**

| Profile | Width    | Length  | Order no.    |
|---------|----------|---------|--------------|
|         | 11,9 mm  | 1350 mm | 1851 698 249 |
|         | 14/33 mm | 1188 mm | 3568 671 000 |
| AVP     | 13 mm    | 2500 mm | 1865 877 460 |
| AVX     | 10 mm    | 1100 mm | 1865 871 580 |
| AVX     | 10 mm    | 1225 mm | 1865 711 230 |
| AVX     | 10 mm    | 1250 mm | 1865 877 610 |
| AVX     | 10 mm    | 1375 mm | 1865 778 890 |
| AVX     | 13 mm    | 950 mm  | 1865 874 680 |
| AVX     | 13 mm    | 975 mm  | 1865 874 490 |
| AVX     | 13 mm    | 1050 mm | 1865 876 830 |
| AVX     | 13 mm    | 1125 mm | 1865 874 610 |
| AVX     | 13 mm    | 1145 mm | 1865 781 780 |
| AVX     | 13 mm    | 1150 mm | 1851 698 109 |
| AVX     | 13 mm    | 1175 mm | 1865 874 560 |
| AVX     | 13 mm    | 1200 mm | 1865 874 570 |
| AVX     | 13 mm    | 1225 mm | 1865 874 730 |
| AVX     | 13 mm    | 1250 mm | 1865 874 900 |
| AVX     | 13 mm    | 1325 mm | 1851 698 073 |
| AVX     | 13 mm    | 1375 mm | 1865 874 620 |
| AVX     | 13 mm    | 1425 mm | 1865 874 740 |
| AVX     | 13 mm    | 1485 mm | 1865 786 460 |
| AVX     | 13 mm    | 1525 mm | 1851 698 104 |
| AVX     | 13 mm    | 1535 mm | 1911 400 046 |
| AVX     | 13 mm    | 1625 mm | 1865 876 840 |
| AVX     | 13 mm    | 1700 mm | 1851 698 111 |
| AVX     | 13 mm    | 1750 mm | 1851 698 094 |
| AVX     | 13 mm    | 1775 mm | 1851 698 076 |
| XPB     | 16,3 mm  | 1320 mm | 1851 698 209 |
| XPB     | 16,3 mm  | 1700 mm | 1865 774 050 |
| XPB     | 16,3 mm  | 2310 mm | 1851 698 009 |

*You'll find the matching belt tension checker on page 632.*



(Illustration similar)

### V-belt kit 2-piece

| Profile | Width | Length  | Order no.    |
|---------|-------|---------|--------------|
| AVX     | 13 mm | 1075 mm | 1100 282 469 |
| AVX     | 13 mm | 1150 mm | 1851 698 147 |
| AVX     | 13 mm | 1175 mm | 1865 064 160 |
| AVX     | 13 mm | 1200 mm | 1865 064 170 |
| AVX     | 13 mm | 1230 mm | 2541 312 300 |
| AVX     | 13 mm | 1250 mm | 1865 064 190 |
| AVX     | 13 mm | 1275 mm | 1865 064 200 |
| AVX     | 13 mm | 1325 mm | 2540 101 279 |
| AVX     | 13 mm | 1425 mm | 2541 314 250 |
| AVX     | 13 mm | 1730 mm | 2541 317 300 |
| AVX     | 13 mm | 1775 mm | 1865 064 400 |
| AVX     | 13 mm | 2130 mm | 2541 321 300 |
| AVX     | 13 mm | 2220 mm | 6170 215 377 |
| AVX     | 13 mm | 2325 mm | 1100 276 586 |
| AVX     | 13 mm | 2425 mm | 1100 276 587 |
| AVX     | 13 mm | 2490 mm | 2540 101 243 |



### Banded V-belt

| Profile | Width   | Length  | Order no.    |
|---------|---------|---------|--------------|
| 2-AVX   | 13 mm   | 1155 mm | 7750 550 000 |
| 2-XPB   | 38,2 mm | 1650 mm | 2300 000 458 |
| 2-XPB   | 38,2 mm | 1800 mm | 9515 831 800 |
| 2-XPB   | 38,2 mm | 2000 mm | 2542 200 000 |
| 2-XPB   | 38,2 mm | 2050 mm | 2300 000 457 |





## Ribbed V-belt

(Illustration similar)

| Profile | Length  | Order no.    |
|---------|---------|--------------|
| 4 PK    | 1028 mm | 1865 481 870 |
| 4 PK    | 1030 mm | 9531 070 166 |
| 5 PK    | 1450 mm | 1851 698 034 |
| 5 PK    | 1530 mm | 5230 226 920 |
| 6 PK    | 1000 mm | 1851 698 220 |
| 6 PK    | 1165 mm | 1911 400 038 |
| 6 PK    | 1306 mm | 1100 282 505 |
| 6 PK    | 1400 mm | 1851 698 330 |
| 6 PK    | 1570 mm | 1865 481 260 |
| 6 PK    | 1613 mm | 1865 479 540 |
| 6 PK    | 1880 mm | 1100 276 625 |
| 6 PK    | 1885 mm | 1865 477 070 |
| 8 PK    | 1005 mm | 1865 485 560 |
| 8 PK    | 1055 mm | 6170 001 950 |
| 8 PK    | 1160 mm | 5230 226 914 |
| 8 PK    | 1365 mm | 1858 136 500 |
| 8 PK    | 1480 mm | 9469 970 792 |
| 8 PK    | 1500 mm | 1100 215 590 |
| 8 PK    | 1520 mm | 6170 121 189 |
| 8 PK    | 1548 mm | 8000 011 810 |
| 8 PK    | 1625 mm | 1851 698 238 |
| 8 PK    | 1795 mm | 8000 012 778 |
| 8 PK    | 1875 mm | 5230 226 915 |
| 8 PK    | 1885 mm | 2540 101 236 |
| 8 PK    | 1890 mm | 1325 021 140 |
| 8 PK    | 1910 mm | 3564 637 204 |
| 8 PK    | 1920 mm | 3568 001 920 |
| 8 PK    | 2063 mm | 1858 206 300 |
| 8 PK    | 2120 mm | 9070 027 823 |
| 8 PK    | 2130 mm | 6170 121 855 |
| 8 PK    | 2347 mm | 1325 054 389 |

| Profile | Length  | Order no.    |
|---------|---------|--------------|
| 8 PK    | 2363 mm | 2548 236 300 |
| 8 PK    | 2465 mm | 1865 481 470 |
| 8 PK    | 2575 mm | 1325 533 322 |
| 8 PK    | 2595 mm | 1325 015 333 |
| 9 PK    | 1700 mm | 1100 000 018 |
| 9 PK    | 1725 mm | 1100 282 514 |
| 9       | 1780 mm | 9465 997 219 |
| 9       | 1825 mm | 1865 091 826 |
| 9 PK    | 1920 mm | 9463 997 579 |
| 9 PK    | 2000 mm | 1325 080 702 |
| 9       | 2080 mm | 1867 520 240 |
| 9 PK    | 2100 mm | 1859 210 000 |
| 9 PK    | 2125 mm | 9469 972 092 |
| 9 PK    | 4100 mm | 1100 214 145 |
| 9 PK    | 4145 mm | 1865 478 460 |
| 10 PK   | 1300 mm | 5230 334 319 |
| 10 PK   | 1487 mm | 6170 215 385 |
| 10 PK   | 1538 mm | 3564 663 720 |
| 10 PK   | 1580 mm | 6170 221 055 |
| 10 PK   | 1688 mm | 1851 698 186 |
| 10 PK   | 1698 mm | 1851 698 000 |
| 10 PK   | 1745 mm | 1325 020 024 |
| 10 PK   | 1783 mm | 1325 060 507 |
| 10 PK   | 1863 mm | 1850 101 863 |
| 10 PK   | 2050 mm | 1583 002 050 |
| 10 PK   | 2340 mm | 5230 226 922 |
| 10 PK   | 2425 mm | 2540 101 151 |
| 10 PK   | 2700 mm | 1325 742 710 |
| 11 PK   | 2015 mm | 3564 642 047 |
| 11 PK   | 2020 mm | 1100 282 463 |
| 12 PK   | 2490 mm | 1867 122 500 |

*You'll find the matching belt tension checker on page 632.*



**Tension roller  
for V-belt**

This figure corresponds to 9465 000 568

| suitable for                                             | Outer Ø | Width   | Order no.           |
|----------------------------------------------------------|---------|---------|---------------------|
| <b>Mercedes-Benz</b> Integro II (O 550)                  | 220 mm  | 40 mm   | <b>9465 000 568</b> |
| <b>Setra</b> S 411 HD, S 417 HDH, S 431 DT, S 417/419 UL |         |         |                     |
| <b>Volvo</b> B7L, B9S, B12B, B12R                        | 70 mm   | 42,5 mm | <b>6170 215 207</b> |



**Tension roller  
for ribbed V-belt**

This figure corresponds to 5930 000 539

| suitable for                                                                                                                                                 | Outer Ø | Width   | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------------------|
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Coach (R08), NÜ (A20)                                                                                           | 85 mm   | 46,5 mm | <b>5238 005 001</b> |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                                                                        |         |         |                     |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                      | 95 mm   | 50 mm   | <b>5930 000 233</b> |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL |         |         |                     |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                      | 95 mm   | 40 mm   | <b>5930 000 539</b> |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD                                                                                        |         |         |                     |
| <b>Scania</b> K380                                                                                                                                           | 74 mm   | 38,5 mm | <b>1325 111 181</b> |
| <b>Scania</b> K94                                                                                                                                            | 95 mm   | 34,3 mm | <b>5930 000 535</b> |
| <b>Scania</b> K94/114/124, L94                                                                                                                               | 95 mm   | 32 mm   | <b>1200 009 781</b> |
| <b>Volvo</b> B9R                                                                                                                                             | 72 mm   | 36,5 mm | <b>6420 102 616</b> |



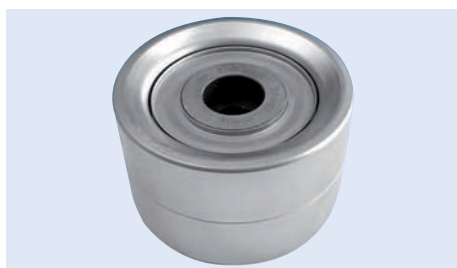
## Poly-V belt tensioner

| suitable for                                                                                                                            | Outer $\varnothing$ | Roll width     | Fig. | Order no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|------|--------------|
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE, Eurorider, Magelys HD/Pro, Récréo II<br><b>Iveco</b> CityClass                 | 65 mm               | 18,5/43,7 mm   | 1    | 1911 043 360 |
| <b>Irisbus</b> Arway, Domino HD/HDH, Eurorider, Evadys HD, Magelys HD                                                                   | 74 mm               | 34/91,5 mm     | 2    | 1911 400 049 |
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Regio (R12)<br><b>Neoplan</b> Centroliner (N 45XX)                                         | 74 mm               | 34/90 mm       | 3    | 5238 007 437 |
| <b>MAN</b> Lion's City (A37), Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216)                                                   | 74 mm               | 42/99,5 mm     | 4    | 5238 007 435 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516) | 74 mm               | 34/84 mm       | 5    | 5230 226 167 |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)                                                | 74 mm               | 23,1/83,4 mm   | 6    | 5238 007 478 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Cito (O 520), Intouro II, Tourino (O 510)                                                     | 74 mm               | 35,5/99,5 mm   | 7    | 5930 000 544 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Cito (O 520), Intouro II, Tourino (O 510)                                                     | 75 mm               | 32,71/91,34 mm | 8    | 9462 004 570 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                   | 74 mm               | 38,3/103,4 mm  | 9    | 5930 000 554 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550)<br><b>Setra</b> S 415 HD, S 415/416 NF                                    | 80 mm               | 33,5 mm        | 10   | 5930 000 512 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                  | 78 mm               | 42/104,5 mm    | 11   | 3563 830 141 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Cito (O 520)                                                                                    | 74 mm               | 39/57,7 mm     | 12   | 5930 000 543 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Integro II (O 550)<br><b>Setra</b> S 415 NF                                  | 74 mm               | 42,5/78 mm     | 13   | 1911 400 041 |

Continued on the next page ...

... continued from the previous page

| suitable for                                                                                                                                    | Outer Ø  | Roll width     | Fig. | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510), Travego I (O 580)<br><b>Setra</b> S 415 HD, S 415/417 HDH                                                 | 70,2 mm  | 34,64/68,56 mm | 14   | <b>9462 001 070</b> |
| <b>Mercedes-Benz</b> Tourismo I/II (O 350), Travego I (O 580)<br><b>Setra</b> S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH, S 415/416/417 GT-HD | 74 mm    | 38,3/99,1 mm   | 15   | <b>9462 001 670</b> |
| <b>Mercedes-Benz</b> Travego (O 580)<br><b>Setra</b> S 431 DT                                                                                   | 80,5 mm  | 48/68 mm       | 16   | <b>1911 043 116</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315/317 HDH/3, S 315/317/319 GT-HD, S 411/415 HD, S 415/417 HDH, S 431 DT              | 74 mm    | 46,3/67,1 mm   | 17   | <b>5930 000 542</b> |
| <b>Scania</b> K360                                                                                                                              | 74,03 mm | 38,94/72,64 mm | 18   | <b>1911 400 028</b> |
| <b>Scania</b> K380                                                                                                                              | 74 mm    | 32/67,5 mm     | 19   | <b>2583 001 185</b> |
| <b>Scania</b> K94/114/124, L94                                                                                                                  | 74 mm    | 32/67,5 mm     | 20   | <b>8000 004 837</b> |
| <b>Setra</b> S 415 NF                                                                                                                           | 75,02 mm | 40,06/68,54 mm | 21   | <b>1902 001 292</b> |
| <b>Solaris</b> Urbino III<br><b>Van Hool</b> T9<br><b>VDL</b> Bova Futura FHD, Bova Magiq                                                       | 77 mm    | 32,5/103 mm    | 22   | <b>7565 042 152</b> |
| <b>Volvo</b> B10L, B12B, B12R                                                                                                                   | 73,8 mm  | 38,2/58,5 mm   | 23   | <b>5930 000 507</b> |
| <b>Volvo</b> B12                                                                                                                                | 34 mm    | 76/85 mm       | 24   | <b>6170 003 509</b> |
| <b>Volvo</b> B12                                                                                                                                |          |                | 25   | <b>6170 193 090</b> |
| <b>Volvo</b> B13R                                                                                                                               | 74 mm    | 38,3/69,2 mm   | 26   | <b>6170 215 523</b> |
| <b>Volvo</b> B7L, B9L, B9R, B9S, B9TL, B10L, B12B, B12M, B12R                                                                                   | 73,8 mm  | 37,8/87,5 mm   | 27   | <b>6170 215 522</b> |
| <b>Volvo</b> B7R                                                                                                                                | 70 mm    | 38/100 mm      | 28   | <b>1911 400 033</b> |
| <b>Volvo</b> B7R, B9L, B9R, B9TL, B12, B12B, B13R                                                                                               | 74 mm    | 38 mm          | 29   | <b>6172 092 420</b> |
| <b>Volvo</b> B7R, B9L, B9TL, B13R                                                                                                               | 74 mm    | 38 mm          | 30   | <b>9052 737 201</b> |
| <b>Volvo</b> B9L, B9TL, B12B, B12R, B13R                                                                                                        | 74 mm    | 38,3/70,5 mm   | 31   | <b>6170 003 474</b> |



**Deflection pulley/guide pulley  
for poly-V-belt**

This figure corresponds to 1911 043 053

| suitable for                                                                                                                      | Outer Ø  | Width   | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------------------|
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE, Eurorider<br><b>Iveco</b> CityClass                                      | 70 mm    | 25 mm   | <b>1910 043 038</b> |
| <b>MAN</b> Lion's City (A20/A21/23), Lion's Regio (R13)                                                                           | 65 mm    | 36 mm   | <b>5930 550 030</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                      | 74,15 mm | 33,9 mm | <b>3563 860 050</b> |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Tourliner (N 2216), Trendliner (N 3516)         |          |         |                     |
| <b>MAN</b> Lion's City (A20/A21/A23), Lion's Regio (R13)                                                                          | 65 mm    | 36 mm   | <b>3338 007 431</b> |
| <b>MAN</b> Lion's City (A37/A78), Lion's Coach (R07)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216)                   | 74 mm    | 42 mm   | <b>5230 226 092</b> |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216) | 74 mm    | 28,3 mm | <b>1911 400 006</b> |

Continued on the next page ...



... continued from the previous page

| suitable for                                                                                                                                                           | Outer Ø  | Width        | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|---------------------|
| <b>MAN</b> Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Tourliner (N 2216), Trendliner (N 3516)               | 70 mm    | 42 mm        | <b>1325 034 081</b> |
| <b>MAN</b> Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | 70 mm    | 42 mm        | <b>1911 043 053</b> |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)<br><b>Setra</b> S 415 NF                                                                                | 80 mm    | 48 mm        | <b>1240 002 824</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Travego I (O 580)<br><b>Neoplan</b> Starliner (N 516)<br><b>Setra</b> S 416/417 HDH, S 431 DT                                   | 95 mm    | 39 mm        | <b>1362 010 041</b> |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Conecto I (O 345), Tourino (O 510), Turismo I (O 350)<br><b>Setra</b> S 315/319 NF                                          | 80 mm    | 48 mm        | <b>5930 000 541</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345)<br><b>Setra</b> S 415 GT-HD                                                                                  | 80 mm    | 44 mm        | <b>9465 500 433</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 315 GT, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415/417/419 UL                                        | 80 mm    | 44 mm        | <b>1362 010 040</b> |
| <b>Mercedes-Benz</b> Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH, S 415/416/417 GT-HD                      | 81,1 mm  | 36,5 mm      | <b>1929 030 290</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315/317 HDH/3, S 315/317/319 GT-HD, S 411/415 HD, S 415/416/417 HDH, S 431 DT                                 | 74 mm    | 46,3 mm      | <b>5930 000 499</b> |
| <b>Scania</b> K360                                                                                                                                                     | 74,21 mm | 39 mm        | <b>1911 400 026</b> |
| <b>Volvo</b> B13R                                                                                                                                                      | 73 mm    | 38,4/89,2 mm | <b>1240 030 646</b> |
| <b>Volvo</b> B13R                                                                                                                                                      | 74 mm    | 38 mm        | <b>6420 104 138</b> |
| <b>Volvo</b> B7R                                                                                                                                                       | 78 mm    | 57 mm        | <b>1911 043 018</b> |
| <b>Volvo</b> B9L, B9R, B9TL, B13R                                                                                                                                      | 74,8 mm  | 39,5 mm      | <b>1911 400 043</b> |



### Repair kit for poly-V-belt tensioner

Inner Ø 10 mm  
Length 33 mm  
Installation location tensioner pulley on tensioning arm

**Scope of supply**  
nut, clamp and tensioning arm

| suitable for                 | Order no.           |
|------------------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N | <b>9060 000 010</b> |

**Engine Parts****suitable for DAF PR 183 EU**

| Description              | Version | Number per engine | Order no.    |
|--------------------------|---------|-------------------|--------------|
| Cylinder head gasket set |         | 1                 | 8002 001 607 |
| Crankcase seal set       |         | 1                 | 8002 041 740 |
| Oil pan gasket           |         | 1                 | 8002 048 515 |
| Crankshaft seal          | front   | 1                 | 8002 048 979 |
| Crankshaft seal          | rear    | 1                 | 8002 001 246 |

**Engine Parts****suitable for DAF PR 183 S**

| Description              | Version     | Number per engine | Order no.    |
|--------------------------|-------------|-------------------|--------------|
| Cylinder head gasket set |             | 1                 | 8002 001 607 |
| Crankcase seal set       |             | 1                 | 8002 041 740 |
| Oil pan gasket           |             | 1                 | 8002 048 515 |
| Crankshaft seal          | front       | 1                 | 8002 048 979 |
| Crankshaft seal          | rear        | 1                 | 8002 001 246 |
| Cylinder head screw      | M16, 146 mm | 26                | 1911 184 761 |
| Cylinder head screw      | M12, 140 mm | 8                 | 1911 184 760 |

**Engine Parts****suitable for MAN D 0826 LUH 06**

| Description                 | Version                                                  | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------|-------------------|--------------|
| Engine piston               | flat combustion chamber                                  | 6                 | 1910 034 284 |
| Engine piston               | conical tip in combustion chamber                        | 6                 | 1910 034 282 |
| Cylinder liner              |                                                          | 6                 | 1910 025 998 |
| Piston ring set             | ring placement = 3/2,5/4                                 | 6                 | 1910 024 705 |
| Main bearing set            | Bearing width = 26/33,85 mm                              | 1                 | 1911 057 496 |
| Connecting rod bearing pair |                                                          | 6                 | 1911 057 501 |
| Small end bush              | Semi                                                     | 6                 | 1911 100 247 |
| Camshaft bearing set        | Semi                                                     | 1                 | 1910 027 269 |
| Engine gasket set           | axial seal with rubber lip                               | 1                 | 8002 043 212 |
| Engine gasket set           | axial seal with Teflon lip                               | 1                 | 8022 505 227 |
| Cylinder head gasket set    | valve cover gasket = metal gasket, 1 x per cylinder head | 3                 | 8002 066 002 |
| Crankcase seal set          |                                                          | 1                 | 8022 505 231 |
| Control housing seal        | timing gear housing to engine block                      | 1                 | 8002 538 373 |
| Control housing seal        | Valve gear casing to valve gear casing cover             | 1                 | 8002 711 782 |
| Flywheel seal               | U-shape without attachment                               | 1                 | 1910 030 912 |
| Flywheel seal               | for SAE 2                                                | 1                 | 8002 531 614 |
| Oil pan gasket              | Soft-material                                            | 1                 | 1910 030 787 |
| Oil pan gasket              | additional seal, small                                   | 1                 | 8002 000 028 |
| Crankshaft seal             | front, Rubber                                            | 1                 | 8002 533 070 |
| Crankshaft seal             | front, Teflon                                            | 1                 | 8002 052 883 |
| Crankshaft seal             | rear, Teflon                                             | 1                 | 8002 532 609 |
| Cylinder head screw set     | 1 x per cylinder head                                    | 3                 | 8022 506 497 |
| Injection nozzle insert     |                                                          | 6                 | 1911 045 886 |
| Inlet valve                 |                                                          | 6                 | 1911 100 166 |
| Output valve                |                                                          | 6                 | 1911 037 825 |
| Valve guide                 | Inlet                                                    | 6                 | 1910 033 893 |
| Valve guide                 | Outlet                                                   | 6                 | 1910 033 895 |
| Cam follower                |                                                          | 12                | 1911 043 511 |
| Connecting rod bolt         |                                                          | 12                | 1911 602 082 |
| Connecting rod              | Cracked connecting rod                                   | 6                 | 1902 008 261 |

**Engine Parts****suitable for MAN D 0826 LUH 13**

| Description                | Version                                                  | Number per engine | Order no.    |
|----------------------------|----------------------------------------------------------|-------------------|--------------|
| Engine piston              |                                                          | 6                 | 1911 111 361 |
| Cylinder liner             |                                                          | 6                 | 1910 025 998 |
| Piston ring set            | ring placement = 3/2,5/4                                 | 6                 | 1910 024 705 |
| Main bearing set           | Bearing width = 26/33,85 mm                              | 1                 | 1911 057 496 |
| Connecting rod bearing set |                                                          | 1                 | 1910 042 380 |
| Camshaft bearing set       | Semi                                                     | 1                 | 1910 027 269 |
| Small end bush             | Semi                                                     | 6                 | 1911 100 247 |
| Engine gasket set          | axial seal with rubber lip                               | 1                 | 8002 043 212 |
| Engine gasket set          | axial seal with Teflon lip                               | 1                 | 8022 505 227 |
| Cylinder head gasket set   | valve cover gasket = metal gasket, 1 x per cylinder head | 3                 | 8002 066 002 |
| Crankcase seal set         |                                                          | 1                 | 8022 505 231 |
| Control housing seal       | timing gear housing to engine block                      | 1                 | 8002 538 373 |
| Control housing seal       | Valve gear casing to valve gear casing cover             | 1                 | 8002 711 782 |
| Flywheel seal              | U-shape without attachment                               | 1                 | 1910 030 912 |
| Flywheel seal              | for SAE 2                                                | 1                 | 8002 531 614 |
| Oil pan gasket             | Soft-material                                            | 1                 | 1910 030 787 |
| Oil pan gasket             | additional seal, small                                   | 1                 | 8002 000 028 |
| Crankshaft seal            | front, Rubber                                            | 1                 | 8002 533 070 |
| Crankshaft seal            | front, Teflon                                            | 1                 | 8002 052 883 |
| Crankshaft seal            | rear, Teflon                                             | 1                 | 8002 532 609 |
| Cylinder head screw set    | 1 x per cylinder head                                    | 3                 | 8022 506 497 |
| Injection nozzle insert    | Cylinders 2-6                                            | 5                 | 5231 020 237 |
| Inlet valve                |                                                          | 6                 | 1911 100 166 |
| Output valve               |                                                          | 6                 | 1911 037 825 |
| Valve guide                | Inlet                                                    | 6                 | 1910 033 893 |
| Valve guide                | Outlet                                                   | 6                 | 1910 033 895 |
| Cam follower               |                                                          | 12                | 1911 043 511 |
| Connecting rod bolt        |                                                          | 12                | 1911 602 082 |
| Connecting rod             | Cracked connecting rod                                   | 6                 | 1902 008 261 |



**Engine Parts****suitable for MAN D 0836 LOH 02**

| Description                 | Version                  | Number per engine | Order no.    |
|-----------------------------|--------------------------|-------------------|--------------|
| Engine piston               | ring placement = 3/2,5/4 | 6                 | 1910 055 512 |
| Engine piston               | ring placement 3/2,5/3   | 6                 | 1910 027 330 |
| Cylinder liner              |                          | 6                 | 1910 025 998 |
| Piston ring set             | ring placement = 3/2,5/4 | 6                 | 1910 024 272 |
| Piston ring set             | ring placement = 3/2,5/3 | 6                 | 1910 034 654 |
| Main bearing set            |                          | 1                 | 1910 042 889 |
| Stop disc set               |                          | 1                 | 1910 042 745 |
| Connecting rod bearing pair |                          | 6                 | 1910 042 505 |
| Engine gasket set           |                          | 1                 | 8002 043 223 |
| Cylinder head gasket set    | 1 x per cylinder head    | 3                 | 8002 066 002 |
| Oil pan gasket              |                          | 1                 | 1910 030 787 |
| Control housing seal        |                          | 1                 | 8002 535 705 |
| Crankshaft seal             | front                    | 1                 | 8002 533 070 |
| Crankshaft seal             | rear                     | 1                 | 8002 532 609 |
| Cylinder head screw set     | 1 x per cylinder head    | 3                 | 8022 506 497 |
| Injection nozzle insert     | DSLA 154 P 960           | 6                 | 3600 175 269 |
| Injection nozzle insert     | DSLA 152 P 1633          | 6                 | 1911 045 788 |
| Inlet valve                 |                          | 6                 | 1911 100 166 |
| Output valve                |                          | 6                 | 1911 037 825 |
| Valve guide                 | Inlet                    | 6                 | 1910 033 893 |
| Valve guide                 | Outlet                   | 6                 | 1910 033 895 |
| Connecting rod bolt         |                          | 12                | 1902 208 623 |

**Engine Parts****Suitable for MAN D 0836 LOH 62**

| Description                 | Version                                          | Number per engine | Order no.    |
|-----------------------------|--------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                  | 6                 | 1910 025 015 |
| Stop disc set               |                                                  | 1                 | 1910 024 288 |
| Connecting rod bearing pair |                                                  | 6                 | 1910 024 130 |
| Camshaft bearing set        | Semi                                             | 1                 | 1910 048 201 |
| Engine gasket set           |                                                  | 1                 | 8002 001 630 |
| Cylinder head gasket set    |                                                  | 1                 | 8002 001 631 |
| Oil pan gasket              |                                                  | 1                 | 1910 030 787 |
| Control housing seal        | timing gear housing to engine block              | 1                 | 8002 535 705 |
| Control housing seal        | timing gear housing to timing gear housing cover | 1                 | 8002 051 804 |
| Flywheel seal               | for SAE 2                                        | 1                 | 8002 531 614 |
| Crankshaft seal             | front                                            | 1                 | 8002 533 070 |
| Crankshaft seal             | rear                                             | 1                 | 8002 532 609 |
| Cylinder head screw set     |                                                  | 1                 | 8002 046 938 |
| Inlet valve                 |                                                  | 12                | 1911 037 503 |
| Output valve                |                                                  | 12                | 1911 037 505 |
| Connecting rod bolt         |                                                  | 12                | 1902 208 623 |
| Connecting rod              |                                                  | 6                 | 1902 208 080 |

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**Engine Parts****Suitable for MAN D 0836 LOH 63**

| Description                 | Version                                          | Number per engine | Order no.    |
|-----------------------------|--------------------------------------------------|-------------------|--------------|
| Engine piston               | Bolt-Ø = 42 mm                                   | 6                 | 1910 027 289 |
| Engine piston               | Bolt-Ø = 44 mm                                   | 6                 | 1910 024 029 |
| Piston ring set             |                                                  | 6                 | 1910 028 510 |
| Stop disc set               |                                                  | 1                 | 1910 024 288 |
| Connecting rod bearing pair |                                                  | 6                 | 1910 024 130 |
| Camshaft bearing set        | Semi                                             | 1                 | 1910 048 201 |
| Engine gasket set           |                                                  | 1                 | 8002 001 630 |
| Cylinder head gasket set    |                                                  | 1                 | 8002 001 631 |
| Oil pan gasket              |                                                  | 1                 | 1910 030 787 |
| Control housing seal        | timing gear housing to engine block              | 1                 | 8002 535 705 |
| Control housing seal        | timing gear housing to timing gear housing cover | 1                 | 8002 051 804 |
| Flywheel seal               | for SAE 2                                        | 1                 | 8002 531 614 |
| Crankshaft seal             | front                                            | 1                 | 8002 533 070 |
| Crankshaft seal             | rear                                             | 1                 | 8002 532 609 |
| Cylinder head screw set     |                                                  | 1                 | 8002 046 938 |
| Inlet valve                 |                                                  | 12                | 1911 037 503 |
| Output valve                |                                                  | 12                | 1911 037 505 |
| Connecting rod bolt         |                                                  | 12                | 1902 208 623 |
| Connecting rod              |                                                  | 6                 | 1902 208 080 |

**Engine Parts****Suitable for MAN D 0836 LOH 68**

| Description              | Version                                          | Number per engine | Order no.    |
|--------------------------|--------------------------------------------------|-------------------|--------------|
| Stop disc set            |                                                  | 1                 | 1910 024 288 |
| Camshaft bearing set     | Semi                                             | 1                 | 1910 048 201 |
| Engine gasket set        |                                                  | 1                 | 8002 001 630 |
| Cylinder head gasket set |                                                  | 1                 | 8002 001 631 |
| Control housing seal     | timing gear housing to engine block              | 1                 | 8002 535 705 |
| Control housing seal     | timing gear housing to timing gear housing cover | 1                 | 8002 051 804 |
| Flywheel seal            | for SAE 2                                        | 1                 | 8002 531 614 |
| Crankshaft seal          | front                                            | 1                 | 8002 533 070 |
| Crankshaft seal          | rear                                             | 1                 | 8002 532 609 |
| Inlet valve              |                                                  | 12                | 1911 037 503 |
| Output valve             |                                                  | 12                | 1911 037 505 |
| Connecting rod bolt      |                                                  | 12                | 1902 208 623 |
| Connecting rod           |                                                  | 6                 | 1902 208 080 |

**Engine Parts****suitable for MAN D 2066 LOH 04/08**

| Description                 | Version                       | Number per engine | Order no.    |
|-----------------------------|-------------------------------|-------------------|--------------|
| Engine piston               |                               | 6                 | 1910 027 332 |
| Cylinder liner              | without seals                 | 6                 | 1910 037 893 |
| Piston ring set             |                               | 6                 | 1911 041 379 |
| Main bearing pair           |                               | 7                 | 1911 014 070 |
| Stop disc set               |                               | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter: Nose width 8 mm      | 6                 | 1910 024 241 |
| Connecting rod bearing pair | Sputter: Nose width 6 mm      | 6                 | 1910 025 161 |
| Engine gasket set           |                               | 1                 | 8002 043 396 |
| Cylinder head gasket set    | without valve cover gasket    | 1                 | 8002 045 172 |
| Valve cover gasket set      | to engine xxx 141 4256 xxxx   | 1                 | 8002 000 731 |
| Valve cover gasket set      | from engine xxx 141 4257 xxxx | 1                 | 8002 000 732 |
| Oil pan gasket              |                               | 1                 | 8002 051 884 |
| Crankshaft seal             | front, 100 mm                 | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm                  | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm                  | 1                 | 8022 505 245 |
| Cylinder head screw set     |                               | 2                 | 8002 000 240 |
| Inlet valve                 |                               | 12                | 1911 037 671 |
| Output valve                |                               | 12                | 1911 037 608 |
| Connecting rod bolt         | M12                           | 12                | 1902 208 001 |
| Connecting rod              | M13, Cracked connecting rod   | 6                 | 1902 208 074 |

**Engine Parts****suitable for MAN D 2066 LUH 12/14/15/24**

| Description                 | Version                     | Number per engine | Order no.    |
|-----------------------------|-----------------------------|-------------------|--------------|
| Engine piston               |                             | 6                 | 1910 027 332 |
| Cylinder liner              | without seals               | 6                 | 1910 037 893 |
| Piston ring set             |                             | 6                 | 1911 041 379 |
| Main bearing pair           |                             | 7                 | 1911 014 070 |
| Stop disc set               |                             | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter: Nose width 8 mm    | 6                 | 1910 024 241 |
| Connecting rod bearing pair | Sputter: Nose width 6 mm    | 6                 | 1910 025 161 |
| Engine gasket set           |                             | 1                 | 8002 001 633 |
| Cylinder head gasket set    |                             | 1                 | 8002 001 634 |
| Oil pan gasket              |                             | 1                 | 8002 051 884 |
| Crankshaft seal             | front, 100 mm               | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm                | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm                | 1                 | 8022 505 245 |
| Cylinder head screw set     |                             | 2                 | 8002 000 240 |
| Inlet valve                 |                             | 12                | 1911 037 671 |
| Output valve                |                             | 12                | 1911 037 608 |
| Connecting rod bolt         | M12                         | 12                | 1902 208 001 |
| Connecting rod              | M13, Cracked connecting rod | 6                 | 1902 208 074 |



**Engine Parts****suitable for MAN D 2066 LUH 46/47**

| Description                 | Version                     | Number per engine | Order no.    |
|-----------------------------|-----------------------------|-------------------|--------------|
| Cylinder liner              | without seals               | 6                 | 1910 037 893 |
| Piston ring set             |                             | 6                 | 1911 041 379 |
| Main bearing pair           |                             | 7                 | 1911 014 070 |
| Stop disc set               |                             | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter: Nose width 8 mm    | 6                 | 1910 024 241 |
| Connecting rod bearing pair | Sputter: Nose width 6 mm    | 6                 | 1910 025 161 |
| Engine gasket set           |                             | 1                 | 8002 001 633 |
| Cylinder head gasket set    |                             | 1                 | 8002 001 634 |
| Oil pan gasket              |                             | 1                 | 8002 051 884 |
| Crankshaft seal             | front, 100 mm               | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm                | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm                | 1                 | 8022 505 245 |
| Cylinder head screw set     |                             | 2                 | 8002 000 240 |
| Inlet valve                 |                             | 12                | 1911 037 671 |
| Output valve                |                             | 12                | 1911 037 608 |
| Connecting rod bolt         | M12                         | 12                | 1902 208 001 |
| Connecting rod              | M13, Cracked connecting rod | 6                 | 1902 208 074 |

**Engine Parts****suitable for MAN D 2676 LOH 02/04**

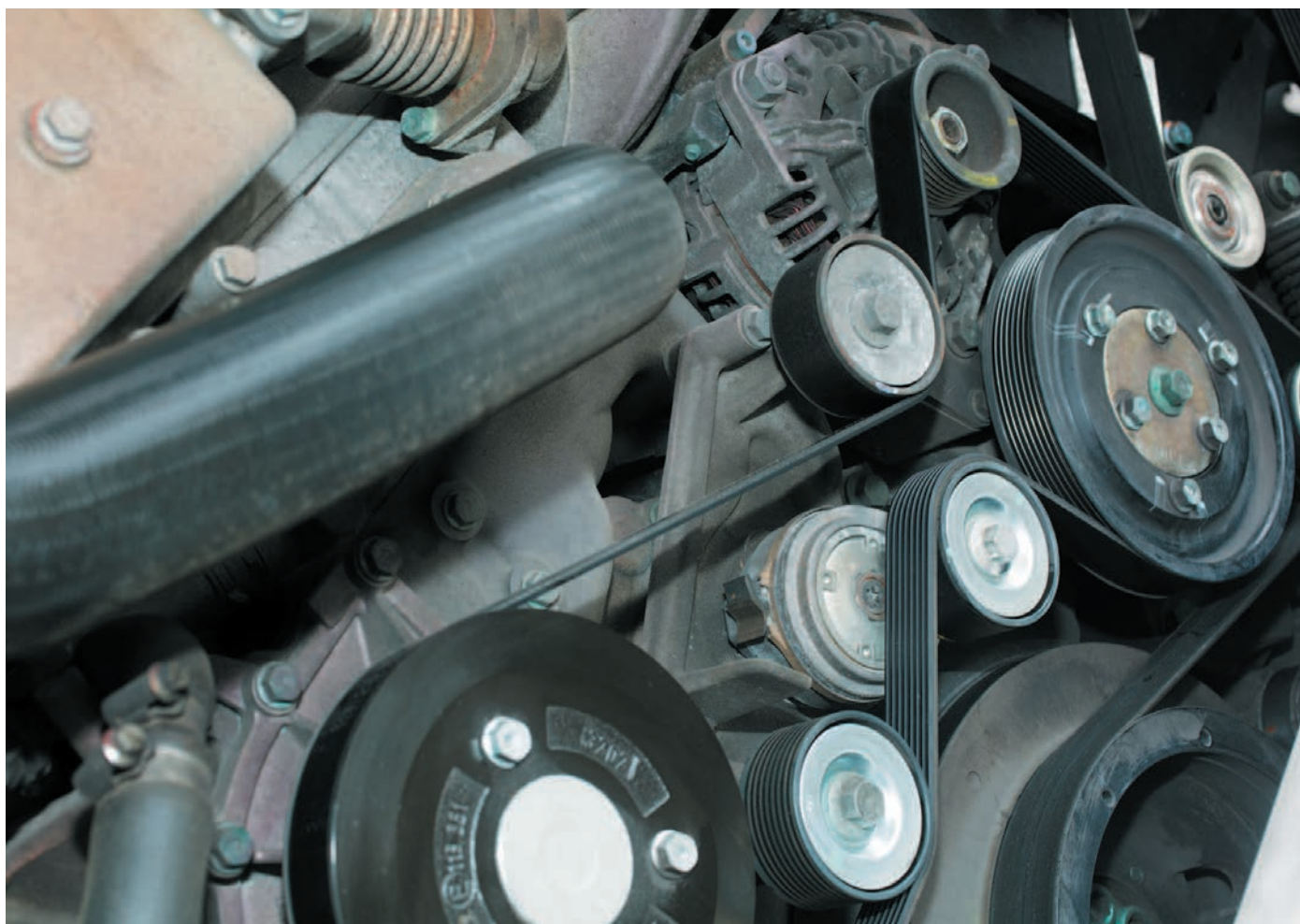
| Description                 | Version                       | Number per engine | Order no.    |
|-----------------------------|-------------------------------|-------------------|--------------|
| Engine piston               |                               | 6                 | 1910 024 856 |
| Cylinder liner              | without seals                 | 6                 | 1910 024 883 |
| Piston ring set             |                               | 6                 | 1910 024 884 |
| Main bearing set            |                               | 1                 | 1910 055 486 |
| Stop disc set               |                               | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter: Nose width 8 mm      | 6                 | 1910 024 241 |
| Connecting rod bearing pair | Sputter: Nose width 6 mm      | 6                 | 1910 025 161 |
| Engine gasket set           |                               | 1                 | 8002 001 635 |
| Cylinder head gasket set    | without valve cover gasket    | 1                 | 8002 000 096 |
| Valve cover gasket set      | to engine xxx 141 4256 xxxx   | 1                 | 8002 000 731 |
| Valve cover gasket set      | from engine xxx 141 4257 xxxx | 1                 | 8002 000 732 |
| Oil pan gasket              |                               | 1                 | 8002 051 883 |
| Crankshaft seal             | front, 100 mm                 | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm                  | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm                  | 1                 | 8022 505 245 |
| Cylinder head screw set     |                               | 2                 | 8002 000 240 |
| Inlet valve                 |                               | 12                | 1911 037 671 |
| Output valve                |                               | 12                | 1911 037 608 |
| Connecting rod bolt         | M12                           | 12                | 1902 208 001 |
| Connecting rod              | M13, Cracked connecting rod   | 6                 | 1902 208 074 |

**Engine Parts****suitable for MAN D 2676 LOH 26/27/28**

| Description                 | Version                  | Number per engine | Order no.    |
|-----------------------------|--------------------------|-------------------|--------------|
| Cylinder liner              | without seals            | 6                 | 1910 024 883 |
| Main bearing set            |                          | 1                 | 1910 055 486 |
| Stop disc set               |                          | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter: Nose width 6 mm | 6                 | 1910 025 161 |
| Valve cover gasket set      |                          | 1                 | 8002 000 732 |
| Crankshaft seal             | front, 100 mm            | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm             | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm             | 1                 | 8022 505 245 |
| Cylinder head screw set     |                          | 2                 | 8002 000 240 |
| Connecting rod bolt         | M12                      | 12                | 1902 208 001 |

**1**

Engine and clutch



**Engine Parts****suitable for MAN D 2866 LOH 34**

| Description                 | Version                                                                                                              | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                                                                                      | 6                 | 1911 290 400 |
| Cylinder liner              | normal seal (not a profiled sealing ring), without seals                                                             | 6                 | 1911 012 557 |
| Cylinder liner              | for profiled sealing rings, without seals                                                                            | 6                 | 1902 208 007 |
| Piston ring set             |                                                                                                                      | 6                 | 1910 024 047 |
| Main bearing set            | Thrust bearing                                                                                                       | 1                 | 1911 100 203 |
| Main bearing set            | Stop disc                                                                                                            | 1                 | 1910 055 486 |
| Stop disc set               |                                                                                                                      | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter                                                                                                              | 6                 | 1911 102 190 |
| Camshaft bearing set        |                                                                                                                      | 1                 | 1910 043 263 |
| Connecting rod bearing pair | for single compressor, for double compressor, series configuration                                                   | 1/2               | 1911 014 132 |
| Engine gasket set           | for normal sealing of the cylinder liner                                                                             | 1                 | 8002 000 039 |
| Engine gasket set           | for profiled sealing ring at the cylinder liner, in part 07/03-23/03                                                 | 1                 | 8002 013 416 |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket, without valve cover gasket, for normal sealing of the cylinder liner | 6                 | 8002 013 418 |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve cover gasket, for normal sealing of the cylinder liner    | 6                 | 8002 533 317 |
| Cylinder head gasket set    | without valve cover gasket, for profiled sealing ring at the cylinder liner, in part 07/03-23/03                     | 6                 | 8002 013 417 |
| Valve cover gasket          | Cylinder 1                                                                                                           | 1                 | 8022 123 420 |
| Valve cover gasket          | Cylinders 2-6                                                                                                        | 5                 | 8022 123 410 |
| Front cover gasket          | front                                                                                                                | 1                 | 8022 504 912 |
| Valve cover gasket          | rear                                                                                                                 | 1                 | 8002 641 010 |
| Oil pan gasket              |                                                                                                                      | 1                 | 1910 030 486 |
| Crankshaft seal             | front, 100 mm, Teflon                                                                                                | 1                 | 8002 533 828 |
| Crankshaft seal             | front, 105 mm, Teflon                                                                                                | 1                 | 8022 505 244 |
| Crankshaft seal             | rear, 115 mm, Teflon                                                                                                 | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm, Teflon                                                                                                 | 1                 | 8022 505 245 |
| Cylinder head screw set     | 1 x per cylinder head                                                                                                | 6                 | 8002 000 272 |
| Injection nozzle insert     |                                                                                                                      | 6                 | 3600 171 640 |
| Crankshaft ring             |                                                                                                                      | 1                 | 1911 009 796 |
| Flywheel race               |                                                                                                                      | 1                 | 9060 000 140 |
| Inlet valve                 |                                                                                                                      | 12                | 1911 040 153 |
| Output valve                |                                                                                                                      | 12                | 1911 040 164 |
| Valve guide                 | Inlet / outlet                                                                                                       | 12/12             | 1902 208 459 |
| Cam follower                | inlet / exhaust, Carbide version                                                                                     | 6/6               | 1911 014 626 |
| Connecting rod bolt         | M14                                                                                                                  | 12                | 1911 288 669 |
| Connecting rod              | M14, Cracked connecting rod                                                                                          | 6                 | 1902 208 481 |

**Engine Parts****suitable for MAN D 2866 LUH 23/24**

| Description                 | Version                                                                                                              | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                                                                                      | 6                 | 1911 290 400 |
| Cylinder liner              | normal seal (not a profiled sealing ring), without seals                                                             | 6                 | 1911 012 557 |
| Cylinder liner              | for profiled sealing rings, without seals                                                                            | 6                 | 1902 208 007 |
| Piston ring set             |                                                                                                                      | 6                 | 1910 024 047 |
| Main bearing set            | Thrust bearing                                                                                                       | 1                 | 1911 100 203 |
| Main bearing set            | Stop disc                                                                                                            | 1                 | 1910 055 486 |
| Stop disc set               |                                                                                                                      | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Ternary material                                                                                                     | 6                 | 1911 014 130 |
| Connecting rod bearing pair | Sputter                                                                                                              | 6                 | 1911 102 190 |
| Camshaft bearing set        |                                                                                                                      | 1                 | 1910 043 263 |
| Connecting rod bearing pair | for single compressor, for double compressor, series configuration                                                   | 1/2               | 1911 014 132 |
| Engine gasket set           | for normal sealing of the cylinder liner                                                                             | 1                 | 8002 013 415 |
| Engine gasket set           | for profiled sealing ring at the cylinder liner, in part 07/03-23/03                                                 | 1                 | 8002 001 661 |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket, without valve cover gasket, for normal sealing of the cylinder liner | 6                 | 8002 013 418 |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve cover gasket, for normal sealing of the cylinder liner    | 6                 | 8002 533 317 |
| Cylinder head gasket set    | without valve cover gasket, for profiled sealing ring at the cylinder liner, in part 07/03-23/03                     | 6                 | 8002 013 417 |
| Valve cover gasket          | Cylinder 1                                                                                                           | 1                 | 8022 123 420 |
| Valve cover gasket          | Cylinders 2-6                                                                                                        | 5                 | 8022 123 410 |
| Front cover gasket          | front                                                                                                                | 1                 | 8022 504 912 |
| Valve cover gasket          | rear                                                                                                                 | 1                 | 8002 641 010 |
| Oil pan gasket              | large                                                                                                                | 1                 | 1910 030 486 |
| Oil pan gasket              | small                                                                                                                | 1                 | 8029 331 360 |
| Crankshaft seal             | front, 105 mm, Teflon                                                                                                | 1                 | 8022 505 244 |
| Crankshaft seal             | front, 100 mm, Teflon                                                                                                | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm, Teflon                                                                                                 | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm, Teflon                                                                                                 | 1                 | 8022 505 245 |
| Cylinder head screw set     | 1 x per cylinder head                                                                                                | 6                 | 8002 000 272 |
| Injection nozzle insert     |                                                                                                                      | 6                 | 3600 171 640 |
| Crankshaft ring             |                                                                                                                      | 1                 | 1911 009 796 |
| Flywheel race               |                                                                                                                      | 1                 | 9060 000 140 |
| Inlet valve                 |                                                                                                                      | 12                | 1911 040 153 |
| Output valve                |                                                                                                                      | 12                | 1911 040 164 |
| Valve guide                 | Inlet / outlet                                                                                                       | 12/12             | 1902 208 459 |
| Cam follower                | inlet / exhaust, Carbide version                                                                                     | 6/6               | 1911 014 626 |
| Connecting rod bolt         | M14                                                                                                                  | 12                | 1911 288 669 |
| Connecting rod              | M14, Cracked connecting rod                                                                                          | 6                 | 1902 208 481 |



**Engine Parts****suitable for MAN D 2866 LUH 26**

| Description                 | Version                                                            | Number per engine | Order no.    |
|-----------------------------|--------------------------------------------------------------------|-------------------|--------------|
| Engine piston               | ring placement = 3,5/3/5                                           | 6                 | 1910 055 490 |
| Engine piston               | Ring placement = 4/3/4 mm                                          | 6                 | 1911 057 423 |
| Cylinder liner              | without seals                                                      | 6                 | 1911 012 557 |
| Piston ring set             | Ring placement = 3,5/3/5 mm                                        | 6                 | 1910 024 687 |
| Piston ring set             | Ring placement = 4/3/4 mm                                          | 6                 | 1910 024 047 |
| Main bearing set            | Thrust bearing                                                     | 1                 | 1911 100 203 |
| Main bearing set            | Stop disc                                                          | 1                 | 1910 055 486 |
| Stop disc set               |                                                                    | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Ternary material                                                   | 6                 | 1911 014 130 |
| Connecting rod bearing pair | Sputter                                                            | 6                 | 1911 102 190 |
| Camshaft bearing set        |                                                                    | 1                 | 1910 043 263 |
| Connecting rod bearing pair | for single compressor, for double compressor, series configuration | 1/2               | 1911 014 132 |
| Connecting rod bearing set  | for double compressor, V configuration                             | 1                 | 1910 042 261 |
| Engine gasket set           |                                                                    | 1                 | 8002 527 515 |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket                     | 6                 | 8022 102 508 |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket                        | 6                 | 8022 500 199 |
| Front cover gasket          | front                                                              | 1                 | 8022 504 912 |
| Valve cover gasket          | rear                                                               | 1                 | 8002 641 010 |
| Oil pan gasket              | large                                                              | 1                 | 1910 030 486 |
| Oil pan gasket              | small                                                              | 1                 | 8029 331 360 |
| Crankshaft seal             | front, 105 mm, Teflon                                              | 1                 | 8022 505 244 |
| Crankshaft seal             | front, 100 mm, Teflon                                              | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm, Teflon                                               | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm, Teflon                                               | 1                 | 8022 505 245 |
| Cylinder head screw set     | external TORX®, 1 x per cylinder head                              | 6                 | 6600 117 270 |
| Cylinder head screw set     | Hexagon screw, 1 x per cylinder head                               | 6                 | 1911 820 547 |
| Injection nozzle insert     | Cylinders 2-6                                                      | 5                 | 3600 171 414 |
| Crankshaft ring             |                                                                    | 1                 | 1911 009 796 |
| Flywheel race               |                                                                    | 1                 | 9060 000 140 |
| Inlet valve                 |                                                                    | 6                 | 1911 412 000 |
| Output valve                | Normal steel                                                       | 6                 | 1911 414 000 |
| Output valve                | super steel                                                        | 6                 | 1910 028 986 |
| Valve guide                 | Inlet                                                              | 6                 | 1902 208 589 |
| Valve guide                 | Exhaust                                                            | 6                 | 1911 037 819 |
| Cam follower                | for inlet valve, 76 mm, without groove                             | 6                 | 1911 009 811 |
| Cam follower                | for exhaust valve, Carbide version                                 | 6                 | 1911 014 626 |
| Connecting rod bolt         | M16                                                                | 12                | 1302 750 700 |
| Connecting rod bolt         | M14                                                                | 12                | 1911 288 669 |
| Connecting rod              | M16                                                                | 6                 | 1911 009 803 |
| Connecting rod              | M14, Cracked connecting rod                                        | 6                 | 1902 208 481 |

**Engine Parts****suitable for MAN D 2866 LUH 28/29/35**

| Description                 | Version                                                                                                              | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                                                                                      | 6                 | 1911 290 400 |
| Cylinder liner              | normal seal (not a profiled sealing ring), without seals                                                             | 6                 | 1911 012 557 |
| Piston ring set             |                                                                                                                      | 6                 | 1910 024 047 |
| Main bearing set            | Thrust bearing                                                                                                       | 1                 | 1911 100 203 |
| Main bearing set            | Stop disc                                                                                                            | 1                 | 1910 055 486 |
| Stop disc set               |                                                                                                                      | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Ternary material                                                                                                     | 6                 | 1911 014 130 |
| Connecting rod bearing pair | Sputter                                                                                                              | 6                 | 1911 102 190 |
| Camshaft bearing set        |                                                                                                                      | 1                 | 1910 043 263 |
| Engine gasket set           | for normal sealing of the cylinder liner                                                                             | 1                 | 8002 013 415 |
| Engine gasket set           | for profiled sealing ring at the cylinder liner, in part 07/03-23/03                                                 | 1                 | 8002 001 661 |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket, without valve cover gasket, for normal sealing of the cylinder liner | 6                 | 8002 013 418 |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve cover gasket, for normal sealing of the cylinder liner    | 6                 | 8002 533 317 |
| Cylinder head gasket set    | without valve cover gasket, for profiled sealing ring at the cylinder liner, in part 07/03-23/03                     | 6                 | 8002 013 417 |
| Valve cover gasket          | Cylinder 1                                                                                                           | 1                 | 8022 123 420 |
| Valve cover gasket          | Cylinders 2-6                                                                                                        | 5                 | 8022 123 410 |
| Front cover gasket          | front                                                                                                                | 1                 | 8022 504 912 |
| Valve cover gasket          | rear                                                                                                                 | 1                 | 8002 641 010 |
| Oil pan gasket              | large                                                                                                                | 1                 | 1910 030 486 |
| Oil pan gasket              | small                                                                                                                | 1                 | 8029 331 360 |
| Crankshaft seal             | front, 105 mm, Teflon                                                                                                | 1                 | 8022 505 244 |
| Crankshaft seal             | front, 100 mm, Teflon                                                                                                | 1                 | 8002 533 828 |
| Crankshaft seal             | rear, 115 mm, Teflon                                                                                                 | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm, Teflon                                                                                                 | 1                 | 8022 505 245 |
| Cylinder head screw set     | 1 x per cylinder head                                                                                                | 6                 | 8002 000 272 |
| Injection nozzle insert     |                                                                                                                      | 6                 | 3600 171 640 |
| Crankshaft ring             |                                                                                                                      | 1                 | 1911 009 796 |
| Flywheel race               |                                                                                                                      | 1                 | 9060 000 140 |
| Inlet valve                 |                                                                                                                      | 12                | 1911 040 153 |
| Output valve                |                                                                                                                      | 12                | 1911 040 164 |
| Valve guide                 | Inlet / outlet                                                                                                       | 12/12             | 1902 208 459 |
| Cam follower                | inlet / exhaust, Carbide version                                                                                     | 6/6               | 1911 014 626 |
| Connecting rod bolt         | M14                                                                                                                  | 12                | 1911 288 669 |
| Connecting rod              | M14, Cracked connecting rod                                                                                          | 6                 | 1902 208 481 |

**Engine Parts****suitable for MAN D 2876 LOH 03**

| Description                 | Version                                                                                                              | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                                                                                      | 6                 | 1911 290 500 |
| Cylinder liner              | normal seal (not a profiled sealing ring), without seals                                                             | 6                 | 1911 012 557 |
| Cylinder liner              | for profiled sealing rings, without seals                                                                            | 6                 | 1902 208 007 |
| Piston ring set             |                                                                                                                      | 6                 | 1911 001 034 |
| Main bearing set            | Thrust bearing                                                                                                       | 1                 | 1911 100 203 |
| Main bearing set            | Stop disc                                                                                                            | 1                 | 1910 055 486 |
| Stop disc set               |                                                                                                                      | 1                 | 1910 042 746 |
| Connecting rod bearing pair | Sputter: Nose width 6 mm                                                                                             | 6                 | 1910 025 161 |
| Camshaft bearing set        |                                                                                                                      | 1                 | 1910 043 263 |
| Connecting rod bearing pair | for single compressor, for double compressor, series configuration                                                   | 1/2               | 1911 014 132 |
| Engine gasket set           | for normal sealing of the cylinder liners                                                                            | 1                 | 8002 043 162 |
| Engine gasket set           | for profiled sealing ring at the cylinder liner, in part 07/03-23/03                                                 | 1                 | 8002 013 416 |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket, without valve cover gasket, for normal sealing of the cylinder liner | 6                 | 8002 013 418 |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve cover gasket, for normal sealing of the cylinder liner    | 6                 | 8002 533 317 |
| Cylinder head gasket set    | without valve cover gasket, for profiled sealing ring at the cylinder liner, in part 07/03-23/03                     | 6                 | 8002 013 417 |
| Crankcase seal set          |                                                                                                                      | 1                 | 8002 535 556 |
| Front cover gasket          | front                                                                                                                | 1                 | 8022 504 912 |
| Valve cover gasket          | rear                                                                                                                 | 1                 | 8002 641 010 |
| Oil pan gasket              | Soft-material                                                                                                        | 1                 | 1910 030 486 |
| Crankshaft seal             | front, 100 mm, Teflon                                                                                                | 1                 | 8002 533 828 |
| Crankshaft seal             | front, 105 mm, Teflon                                                                                                | 1                 | 8022 505 244 |
| Crankshaft seal             | rear, 115 mm, Teflon                                                                                                 | 1                 | 8002 001 587 |
| Crankshaft seal             | rear, 120 mm, Teflon                                                                                                 | 1                 | 8022 505 245 |
| Cylinder head screw set     |                                                                                                                      | 6                 | 8002 000 272 |
| Injection nozzle insert     |                                                                                                                      | 6                 | 1911 045 881 |
| Crankshaft ring             |                                                                                                                      | 1                 | 1911 009 796 |
| Flywheel race               |                                                                                                                      | 1                 | 9060 000 140 |
| Inlet valve                 |                                                                                                                      | 12                | 1911 040 153 |
| Output valve                |                                                                                                                      | 12                | 1911 040 164 |
| Valve guide                 | Inlet / outlet                                                                                                       | 12/12             | 1902 208 459 |
| Cam follower                | inlet / exhaust, Carbide version                                                                                     | 6/6               | 1911 014 626 |
| Connecting rod bolt         | M16                                                                                                                  | 12                | 1911 228 769 |
| Connecting rod bolt         | M14                                                                                                                  | 12                | 1911 288 669 |
| Connecting rod              | M14, Cracked connecting rod                                                                                          | 6                 | 1902 228 760 |

**Engine Parts**

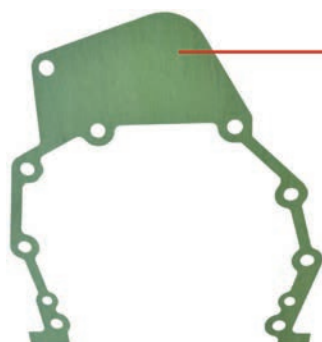
suitable for MAN E 2866 LUH 02

| Description       | Number per engine | Order no.    |
|-------------------|-------------------|--------------|
| Inlet valve       | 6                 | 1911 040 874 |
| Output valve      | 6                 | 1911 040 639 |
| Engine gasket set | 1                 | 8002 013 420 |

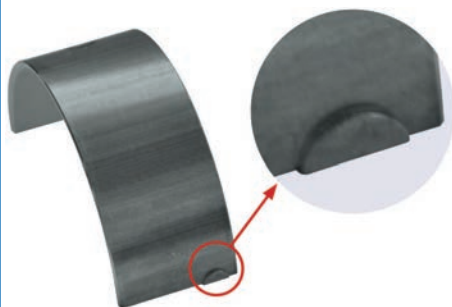
**TIP**

Are you looking for parts for other gas engines?

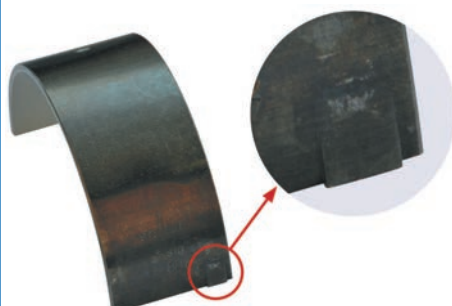
Come to us with your engine numbers!

**Timing gear casing gasket**

U-shape with extension

**Connecting rod bearing**

1 x lubrication bore on the upper shell only, semicircular retaining lug, 8 mm wide

**Connecting rod bearing**

1 x lubrication bore on upper and lower shells, rectangular retaining lug, 6 mm wide

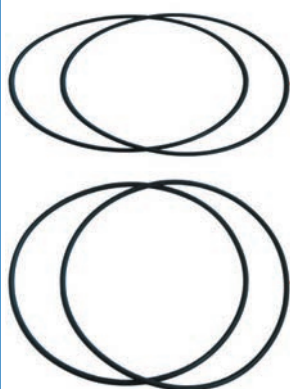


**Main bearing**

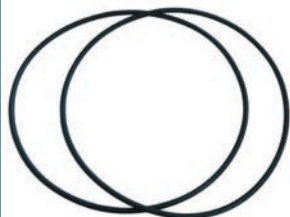
flange bearing version  
lateral support shells in one-piece with the bearing shell

**Main bearing**

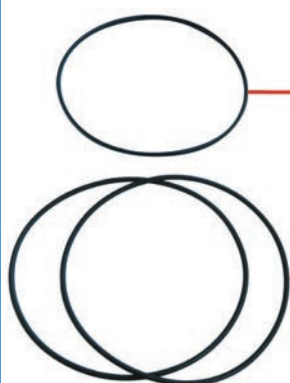
thrust washer version  
lateral support shells as separate components

**Cylinder liner end seal with normal sealing**

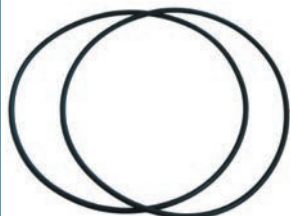
2 x O-ring bottom 138 x 142,2 x 2,1 mm



2 x O-ring bottom 144 x 152 x 4 mm

**Liner end seal with profiled sealing ring**

1 x upper profiled sealing ring 137 x 3,3 (4,6) mm

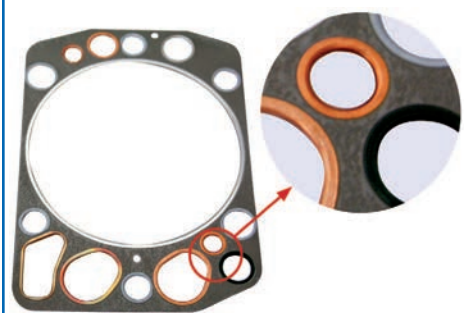


2 x O-ring bottom 144 x 152 x 4 mm



### Cylinder head gasket

Single layer gasket:  
gasket made of one layer of metal,  
edging of passage openings made of rubber



### Cylinder head gasket

multi-layer metal gasket:  
gasket of 3 thin stainless steel layers merged together,  
edging of passage openings made of copper



**Engine Parts****suitable for Mercedes-Benz 446.938**

| <b>Description</b>          | <b>Version</b>                                                              | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|-----------------------------------------------------------------------------|--------------------------|------------------|
| Engine piston               | for trapezoidal connecting rods                                             | 8                        | 1911 010 266     |
| Cylinder liner              | with seals                                                                  | 8                        | 1911 009 755     |
| Piston ring set             | 2. ring = taper faced ring                                                  | 8                        | 1911 013 561     |
| Piston ring set             | 2. Ring = nose tapered compression ring                                     | 8                        | 1911 013 560     |
| Main bearing set            |                                                                             | 1                        | 1911 014 076     |
| Connecting rod bearing pair |                                                                             | 8                        | 1911 110 266     |
| Camshaft bearing set        |                                                                             | 1                        | 1910 043 267     |
| Small end bush              | for trapezoidal connecting rods                                             | 8                        | 1911 014 050     |
| Connecting rod bearing pair | for single compressor                                                       | 1                        | 1911 014 132     |
| Connecting rod bearing set  | for double compressor                                                       | 1                        | 1910 042 261     |
| Engine gasket set           |                                                                             | 1                        | 8002 043 139     |
| Cylinder head gasket set    | Cylinder head gasket = multi-layer-metal-gasket, without valve stem gaskets | 8                        | 8022 102 507     |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, with valve stem gaskets        | 8                        | 8022 102 506     |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve stem gaskets     | 8                        | 8002 325 106     |
| Crankcase seal set          |                                                                             | 1                        | 8002 044 379     |
| Control housing seal set    |                                                                             | 1                        | 8022 504 847     |
| Control housing seal        | top                                                                         | 1                        | 8022 504 915     |
| Oil pan gasket              |                                                                             | 1                        | 8022 504 729     |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                                    | 1                        | 8002 524 972     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                                     | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                                                       | 8                        | 8022 506 751     |
| Injection nozzle insert     |                                                                             | 8                        | 3600 171 299     |
| Nozzle fitting              | Cylinder 1, up to engine 860 029                                            | 1                        | 1911 131 803     |
| Nozzle fitting              | Cylinders 2-8, up to engine 860 029                                         | 7                        | 1911 430 264     |
| Nozzle fitting              | Cylinder 1, from engine 860 030                                             | 1                        | 3600 008 670     |
| Nozzle fitting              | Cylinders 2-8, from engine 860 030                                          | 7                        | 3600 008 680     |
| Crankshaft ring             |                                                                             | 1                        | 9060 000 105     |
| Flywheel race               |                                                                             | 1                        | 9060 000 140     |
| Inlet valve                 |                                                                             | 8                        | 1911 037 495     |
| Output valve                |                                                                             | 8                        | 1911 037 483     |
| Valve guide                 | inlet / exhaust                                                             | 8/8                      | 1910 033 838     |
| Constant choke valve        |                                                                             | 8                        | 1911 160 391     |
| Cam follower                | inlet / exhaust, Carbide version                                            | 8/8                      | 1911 014 626     |
| Connecting rod bolt         |                                                                             | 16                       | 1302 190 724     |
| Connecting rod              | Trapezoid                                                                   | 8                        | 1911 009 472     |

**Engine Parts****suitable for Mercedes-Benz 447.954/447.958**

| Description                 | Version                                                                   | Number per engine | Order no.    |
|-----------------------------|---------------------------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                                           | 6                 | 1910 024 624 |
| Cylinder liner              | without seals                                                             | 6                 | 1911 010 300 |
| Piston ring set             |                                                                           | 6                 | 1911 013 561 |
| Main bearing set            |                                                                           | 1                 | 1911 100 203 |
| Connecting rod bearing pair | Width 36,2 mm, Ternary material                                           | 6                 | 1911 014 130 |
| Connecting rod bearing pair | Width 36,2 mm, Sputter                                                    | 6                 | 1911 102 190 |
| Camshaft bearing set        |                                                                           | 1                 | 1910 043 263 |
| Small end bush              | for parallel connecting rods                                              | 6                 | 1911 194 233 |
| Connecting rod bearing pair | for single compressor                                                     | 1                 | 1911 014 132 |
| Connecting rod bearing set  | for double compressor                                                     | 1                 | 1910 042 261 |
| Engine gasket set           |                                                                           | 1                 | 8002 043 140 |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve stem gaskets   | 6                 | 8022 504 961 |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket, without valve shaft seals | 6                 | 8002 000 351 |
| Crankcase seal set          |                                                                           | 1                 | 8002 532 767 |
| Valve cover gasket          |                                                                           | 1                 | 8002 641 010 |
| Front cover gasket          |                                                                           | 1                 | 8022 504 912 |
| Oil pan gasket              |                                                                           | 1                 | 1910 030 486 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                                  | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                                   | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                                     | 6                 | 8022 506 751 |
| Injection nozzle insert     |                                                                           | 6                 | 1911 045 544 |
| Crankshaft ring             |                                                                           | 1                 | 9060 000 105 |
| Flywheel race               |                                                                           | 1                 | 9060 000 140 |
| Inlet valve                 |                                                                           | 6                 | 1911 037 495 |
| Output valve                |                                                                           | 6                 | 1911 037 483 |
| Valve guide                 | inlet / exhaust                                                           | 6/6               | 1910 033 838 |
| Cam follower                | inlet / exhaust, Carbide version                                          | 6/6               | 1911 014 626 |
| Connecting rod bolt         |                                                                           | 12                | 1302 190 724 |
| Connecting rod              | Parallel connecting rod                                                   | 6                 | 1902 208 055 |

**Engine Parts****suitable for Mercedes-Benz 447.973/447.974/447.979/447.990/447.992**

| <b>Description</b>          | <b>Version</b>                                                            | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|---------------------------------------------------------------------------|--------------------------|------------------|
| Engine piston               |                                                                           | 6                        | 1911 009 885     |
| Cylinder liner              | without seals                                                             | 6                        | 1911 010 300     |
| Piston ring set             |                                                                           | 6                        | 1911 013 561     |
| Main bearing set            |                                                                           | 1                        | 1911 100 203     |
| Connecting rod bearing pair | Width 36,2 mm, Ternary material                                           | 6                        | 1911 014 130     |
| Connecting rod bearing pair | Width 36,2 mm, Sputter                                                    | 6                        | 1911 102 190     |
| Camshaft bearing set        |                                                                           | 1                        | 1910 043 263     |
| Small end bush              | for trapezoidal connecting rods                                           | 6                        | 1911 014 050     |
| Connecting rod bearing pair | for single compressor                                                     | 1                        | 1911 014 132     |
| Connecting rod bearing set  | for double compressor                                                     | 1                        | 1910 042 261     |
| Engine gasket set           |                                                                           | 1                        | 8002 043 140     |
| Cylinder head gasket set    | Cylinder head gasket = inserts-steel-gasket, without valve stem gaskets   | 6                        | 8022 504 961     |
| Cylinder head gasket set    | cylinder head gasket = multilayer metal gasket, without valve shaft seals | 6                        | 8002 000 351     |
| Crankcase seal set          |                                                                           | 1                        | 8002 532 767     |
| Valve cover gasket          |                                                                           | 1                        | 8002 641 010     |
| Front cover gasket          |                                                                           | 1                        | 8022 504 912     |
| Oil pan gasket              |                                                                           | 1                        | 1910 030 486     |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                                  | 1                        | 8002 524 972     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                                   | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                                                     | 6                        | 8022 506 751     |
| Injection nozzle            | DLLA 142 P 479                                                            | 6                        | 9462 017 601     |
| Crankshaft ring             |                                                                           | 1                        | 9060 000 105     |
| Flywheel race               |                                                                           | 1                        | 9060 000 140     |
| Inlet valve                 |                                                                           | 6                        | 1911 037 495     |
| Output valve                |                                                                           | 6                        | 1911 037 483     |
| Valve guide                 | inlet / exhaust                                                           | 6/6                      | 1910 033 838     |
| Cam follower                | inlet / exhaust, Carbide version                                          | 6/6                      | 1911 014 626     |
| Connecting rod bolt         |                                                                           | 12                       | 1302 190 724     |
| Connecting rod              | Trapezoidal connecting rod                                                | 6                        | 1911 603 447     |



**Engine Parts****suitable for Mercedes-Benz 457 942**

| <b>Description</b>          | <b>Version</b>                            | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|-------------------------------------------|--------------------------|------------------|
| Engine piston               | for liner without flame ring              | 6                        | 1911 037 741     |
| Cylinder liner              | without flame ring, without seals         | 6                        | 1911 130 414     |
| Assembly                    | for liner without flame ring, with seals  | 6                        | 1911 037 742     |
| Piston ring set             |                                           | 6                        | 1911 913 328     |
| Main bearing pair           |                                           | 6                        | 1911 037 776     |
| Thrust bearing              |                                           | 1                        | 1911 037 761     |
| Connecting rod bearing pair |                                           | 6                        | 1911 037 881     |
| Camshaft bearing set        | Semi                                      | 1                        | 1910 024 885     |
| Small end bush              | Semi                                      | 6                        | 1911 037 627     |
| Cylinder head gasket set    | without milled recess on cylinder head    | 6                        | 8002 000 366     |
| Cylinder head gasket set    | with milled recess on cylinder head       | 6                        | 8002 000 376     |
| Crankcase seal set          |                                           | 1                        | 8002 045 870     |
| Control housing seal        |                                           | 1                        | 8002 533 694     |
| Front cover gasket          |                                           | 1                        | 8002 075 912     |
| Oil pan gasket              |                                           | 1                        | 1910 030 486     |
| Crankshaft seal             | front, 105 x 130 x 12 mm                  | 1                        | 8002 524 972     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                   | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                     | 6                        | 8002 013 470     |
| Crankshaft ring             |                                           | 1                        | 9060 000 105     |
| Flywheel race               |                                           | 1                        | 9060 000 140     |
| Inlet valve                 | Special equipment 03/04/05/07/08/10/11/12 | 12                       | 1910 026 148     |
| Output valve                |                                           | 12                       | 1911 037 957     |
| Valve guide                 | inlet / exhaust                           | 12/12                    | 1910 033 840     |
| Cam follower                | 30 mm, for inlet / exhaust                | 6/6                      | 1911 350 060     |
| Connecting rod bolt         |                                           | 12                       | 1302 190 724     |
| Connecting rod              |                                           | 6                        | 1902 208 532     |

**Engine Parts****suitable for Mercedes-Benz 457 944**

| Description                 | Version                                   | Number per engine | Order no.    |
|-----------------------------|-------------------------------------------|-------------------|--------------|
| Engine piston               | for liner without flame ring              | 6                 | 1911 037 741 |
| Cylinder liner              | without flame ring, without seals         | 6                 | 1911 130 414 |
| Assembly                    | for liner without flame ring, with seals  | 6                 | 1911 037 742 |
| Piston ring set             |                                           | 6                 | 1911 913 328 |
| Main bearing pair           |                                           | 6                 | 1911 037 776 |
| Thrust bearing              |                                           | 1                 | 1911 037 761 |
| Connecting rod bearing pair |                                           | 6                 | 1911 037 881 |
| Camshaft bearing set        | Semi                                      | 1                 | 1910 024 885 |
| Small end bush              | Semi                                      | 6                 | 1911 037 627 |
| Cylinder head gasket set    | without milled recess on cylinder head    | 6                 | 8002 000 366 |
| Cylinder head gasket set    | with milled recess on cylinder head       | 6                 | 8002 000 373 |
| Crankcase seal set          |                                           | 1                 | 8002 045 870 |
| Control housing seal        |                                           | 1                 | 8002 533 694 |
| Front cover gasket          |                                           | 1                 | 8002 075 912 |
| Oil pan gasket              |                                           | 1                 | 1910 030 486 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                  | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                   | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                     | 6                 | 8002 013 470 |
| Crankshaft ring             |                                           | 1                 | 9060 000 105 |
| Flywheel race               |                                           | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 03/04/05/07/08/10/11/12 | 12                | 1910 026 148 |
| Inlet valve                 | Special equipment 16/17/21/22/23          | 12                | 1902 208 104 |
| Output valve                |                                           | 12                | 1911 037 957 |
| Valve guide                 | inlet / exhaust                           | 12/12             | 1910 033 840 |
| Constant choke valve        |                                           | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                | 6/6               | 1911 350 060 |
| Connecting rod bolt         |                                           | 12                | 1302 190 724 |
| Connecting rod              |                                           | 6                 | 1902 208 532 |

**Engine Parts****suitable for Mercedes-Benz 457.950/457.952**

| Description                 | Version                                                 | Number per engine | Order no.    |
|-----------------------------|---------------------------------------------------------|-------------------|--------------|
| Engine piston               | for liner with flame ring                               | 6                 | 1910 024 728 |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                 | 1910 024 729 |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 727 |
| Piston ring set             |                                                         | 6                 | 1911 038 398 |
| Main bearing pair           |                                                         | 6                 | 1911 037 776 |
| Thrust bearing              |                                                         | 1                 | 1911 037 761 |
| Connecting rod bearing pair |                                                         | 6                 | 1910 024 888 |
| Camshaft bearing set        | Semi                                                    | 1                 | 1910 024 885 |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                 | 8002 000 376 |
| Crankcase seal set          | without oil sump gasket                                 | 1                 | 8002 000 382 |
| Valve cover gasket          |                                                         | 1                 | 8002 641 010 |
| Front cover gasket          |                                                         | 1                 | 8002 075 912 |
| Oil pan gasket              |                                                         | 1                 | 8002 001 129 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                 | 8002 013 470 |
| Crankshaft ring             |                                                         | 1                 | 9060 000 105 |
| Flywheel race               |                                                         | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                | 1902 208 104 |
| Output valve                |                                                         | 12                | 1911 038 491 |
| Valve guide                 | inlet / exhaust                                         | 12/12             | 1910 033 840 |
| Constant choke valve        |                                                         | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6               | 1911 350 060 |
| Connecting rod bolt         |                                                         | 12                | 1302 190 724 |
| Connecting rod              |                                                         | 6                 | 1902 208 031 |

**Engine Parts****suitable for Mercedes-Benz 457 951**

| Description                 | Version                                                 | Number per engine | Order no.    |
|-----------------------------|---------------------------------------------------------|-------------------|--------------|
| Engine piston               | for liner with flame ring                               | 6                 | 1910 024 728 |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                 | 1910 024 729 |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 727 |
| Piston ring set             |                                                         | 6                 | 1911 038 398 |
| Main bearing pair           |                                                         | 6                 | 1911 037 776 |
| Thrust bearing              |                                                         | 1                 | 1911 037 761 |
| Connecting rod bearing pair |                                                         | 6                 | 1910 024 888 |
| Camshaft bearing set        | Semi                                                    | 1                 | 1910 024 885 |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                 | 8002 000 373 |
| Crankcase seal set          | without oil sump gasket                                 | 1                 | 8002 000 382 |
| Valve cover gasket          |                                                         | 1                 | 8002 641 010 |
| Front cover gasket          |                                                         | 1                 | 8002 075 912 |
| Oil pan gasket              |                                                         | 1                 | 8002 001 129 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                 | 8002 013 470 |
| Crankshaft ring             |                                                         | 1                 | 9060 000 105 |
| Flywheel race               |                                                         | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                | 1902 208 104 |
| Output valve                |                                                         | 12                | 1911 038 491 |
| Valve guide                 | inlet / exhaust                                         | 12/12             | 1910 033 840 |
| Constant choke valve        |                                                         | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6               | 1911 350 060 |
| Connecting rod bolt         |                                                         | 12                | 1302 190 724 |
| Connecting rod              |                                                         | 6                 | 1902 208 031 |

**Engine Parts****suitable for Mercedes-Benz 457 953**

| <b>Description</b>          | <b>Version</b>                                          | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|---------------------------------------------------------|--------------------------|------------------|
| Engine piston               | for liner with flame ring                               | 6                        | 1910 024 728     |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                        | 1910 024 729     |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                        | 1910 024 727     |
| Piston ring set             |                                                         | 6                        | 1911 038 398     |
| Main bearing pair           |                                                         | 6                        | 1911 037 776     |
| Thrust bearing              |                                                         | 1                        | 1911 037 761     |
| Connecting rod bearing pair |                                                         | 6                        | 1910 024 888     |
| Camshaft bearing set        | Semi                                                    | 1                        | 1910 024 885     |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                        | 8002 000 373     |
| Crankcase seal set          | without oil sump gasket                                 | 1                        | 8002 000 382     |
| Valve cover gasket          |                                                         | 1                        | 8002 641 010     |
| Front cover gasket          |                                                         | 1                        | 8002 075 912     |
| Oil pan gasket              |                                                         | 1                        | 8002 001 129     |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                        | 8002 524 972     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                        | 8002 013 470     |
| Crankshaft ring             |                                                         | 1                        | 9060 000 105     |
| Flywheel race               |                                                         | 1                        | 9060 000 140     |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                       | 1902 208 104     |
| Output valve                |                                                         | 12                       | 1911 038 491     |
| Valve guide                 | inlet / exhaust                                         | 12/12                    | 1910 033 840     |
| Constant choke valve        |                                                         | 6                        | 1911 092 775     |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6                      | 1911 350 060     |
| Connecting rod bolt         |                                                         | 12                       | 1302 190 724     |
| Connecting rod              |                                                         | 6                        | 1902 208 031     |



**Engine Parts****suitable for Mercedes-Benz 457 956**

| Description                 | Version                                                 | Number per engine | Order no.    |
|-----------------------------|---------------------------------------------------------|-------------------|--------------|
| Engine piston               | for liner without flame ring                            | 6                 | 1911 037 741 |
| Engine piston               | for liner with flame ring                               | 6                 | 1910 024 728 |
| Cylinder liner              | without flame ring, without seals                       | 6                 | 1911 130 414 |
| Cylinder liner              | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 729 |
| Assembly                    | for liner without flame ring, with seals                | 6                 | 1911 037 742 |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 727 |
| Piston ring set             |                                                         | 6                 | 1911 913 328 |
| Main bearing pair           |                                                         | 6                 | 1911 037 776 |
| Thrust bearing              |                                                         | 1                 | 1911 037 761 |
| Connecting rod bearing pair |                                                         | 6                 | 1911 037 881 |
| Camshaft bearing set        | Semi                                                    | 1                 | 1910 024 885 |
| Cylinder head gasket set    | without milled recess on cylinder head                  | 6                 | 8002 000 366 |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                 | 8002 000 373 |
| Crankcase seal set          | without oil sump gasket                                 | 1                 | 8002 000 382 |
| Valve cover gasket          |                                                         | 1                 | 8002 641 010 |
| Front cover gasket          |                                                         | 1                 | 8002 075 912 |
| Oil pan gasket              |                                                         | 1                 | 8002 001 129 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                 | 8002 013 470 |
| Crankshaft ring             |                                                         | 1                 | 9060 000 105 |
| Flywheel race               |                                                         | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 03/04/05/07/08/10/11/12               | 12                | 1910 026 148 |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                | 1902 208 104 |
| Output valve                |                                                         | 12                | 1911 038 491 |
| Valve guide                 | inlet / exhaust                                         | 12/12             | 1910 033 840 |
| Constant choke valve        |                                                         | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6               | 1911 350 060 |
| Connecting rod bolt         |                                                         | 12                | 1302 190 724 |
| Connecting rod              |                                                         | 6                 | 1902 208 532 |

**Engine Parts****suitable for Mercedes-Benz 457 959**

| Description                 | Version                                                 | Number per engine | Order no.    |
|-----------------------------|---------------------------------------------------------|-------------------|--------------|
| Engine piston               | for liner without flame ring                            | 6                 | 1911 037 741 |
| Engine piston               | for liner with flame ring                               | 6                 | 1910 024 728 |
| Cylinder liner              | without flame ring, without seals                       | 6                 | 1911 130 414 |
| Cylinder liner              | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 729 |
| Assembly                    | for liner without flame ring, with seals                | 6                 | 1911 037 742 |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 727 |
| Piston ring set             |                                                         | 6                 | 1911 913 328 |
| Main bearing pair           |                                                         | 6                 | 1911 037 776 |
| Thrust bearing              |                                                         | 1                 | 1911 037 761 |
| Connecting rod bearing pair |                                                         | 6                 | 1910 024 888 |
| Camshaft bearing set        | Semi                                                    | 1                 | 1910 024 885 |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                 | 8002 000 376 |
| Crankcase seal set          | without oil sump gasket                                 | 1                 | 8002 000 382 |
| Valve cover gasket          |                                                         | 1                 | 8002 641 010 |
| Front cover gasket          |                                                         | 1                 | 8002 075 912 |
| Oil pan gasket              |                                                         | 1                 | 8002 001 129 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                 | 8002 013 470 |
| Crankshaft ring             |                                                         | 1                 | 9060 000 105 |
| Flywheel race               |                                                         | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                | 1902 208 104 |
| Output valve                |                                                         | 12                | 1911 038 491 |
| Valve guide                 | inlet / exhaust                                         | 12/12             | 1910 033 840 |
| Constant choke valve        |                                                         | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6               | 1911 350 060 |
| Connecting rod bolt         |                                                         | 12                | 1302 190 724 |
| Connecting rod              |                                                         | 6                 | 1902 208 532 |

**Engine Parts****suitable for Mercedes-Benz 457 961**

| Description                 | Version                                                 | Number per engine | Order no.    |
|-----------------------------|---------------------------------------------------------|-------------------|--------------|
| Engine piston               | for liner with flame ring                               | 6                 | 1910 024 728 |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                 | 1910 024 729 |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                 | 1910 024 727 |
| Piston ring set             |                                                         | 6                 | 1911 038 398 |
| Main bearing pair           |                                                         | 6                 | 1911 037 776 |
| Thrust bearing              |                                                         | 1                 | 1911 037 761 |
| Connecting rod bearing pair |                                                         | 6                 | 1910 024 888 |
| Camshaft bearing set        | Semi                                                    | 1                 | 1910 024 885 |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                 | 8002 000 373 |
| Crankcase seal set          | without oil sump gasket                                 | 1                 | 8002 000 382 |
| Valve cover gasket          |                                                         | 1                 | 8002 641 010 |
| Front cover gasket          |                                                         | 1                 | 8002 075 912 |
| Oil pan gasket              |                                                         | 1                 | 8002 001 129 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                 | 8002 013 470 |
| Crankshaft ring             |                                                         | 1                 | 9060 000 105 |
| Flywheel race               |                                                         | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                | 1902 208 104 |
| Output valve                |                                                         | 12                | 1911 038 491 |
| Valve guide                 | inlet / exhaust                                         | 12/12             | 1910 033 840 |
| Constant choke valve        |                                                         | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6               | 1911 350 060 |
| Connecting rod bolt         |                                                         | 12                | 1302 190 724 |
| Connecting rod              |                                                         | 6                 | 1902 208 031 |

**Engine Parts****suitable for Mercedes-Benz 457 965**

| <b>Description</b>          | <b>Version</b>                                          | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|---------------------------------------------------------|--------------------------|------------------|
| Engine piston               | for liner with flame ring                               | 6                        | 1910 024 728     |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                        | 1910 024 729     |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                        | 1910 024 727     |
| Piston ring set             |                                                         | 6                        | 1911 038 398     |
| Main bearing pair           |                                                         | 6                        | 1911 037 776     |
| Thrust bearing              |                                                         | 1                        | 1911 037 761     |
| Connecting rod bearing pair |                                                         | 6                        | 1910 024 888     |
| Camshaft bearing set        | Semi                                                    | 1                        | 1910 024 885     |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                        | 8002 000 376     |
| Crankcase seal set          | without oil sump gasket                                 | 1                        | 8002 000 382     |
| Valve cover gasket          |                                                         | 1                        | 8002 641 010     |
| Front cover gasket          |                                                         | 1                        | 8002 075 912     |
| Oil pan gasket              |                                                         | 1                        | 8002 001 129     |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                | 1                        | 8002 524 972     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                        | 8002 013 470     |
| Crankshaft ring             |                                                         | 1                        | 9060 000 105     |
| Flywheel race               |                                                         | 1                        | 9060 000 140     |
| Inlet valve                 | Special equipment 16/17/21/22/23                        | 12                       | 1902 208 104     |
| Output valve                |                                                         | 12                       | 1911 038 491     |
| Valve guide                 | inlet / exhaust                                         | 12/12                    | 1910 033 840     |
| Constant choke valve        |                                                         | 6                        | 1911 092 775     |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6                      | 1911 350 060     |
| Connecting rod bolt         |                                                         | 12                       | 1302 190 724     |
| Connecting rod              |                                                         | 6                        | 1902 208 031     |

**Engine Parts****suitable for Mercedes-Benz 457 973**

| <b>Description</b>          | <b>Version</b>                                          | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|---------------------------------------------------------|--------------------------|------------------|
| Engine piston               | for liner with flame ring                               | 6                        | 1910 024 728     |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                        | 1910 024 729     |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                        | 1910 024 727     |
| Piston ring set             |                                                         | 6                        | 1911 038 398     |
| Main bearing pair           |                                                         | 6                        | 1911 037 776     |
| Thrust bearing              |                                                         | 1                        | 1911 037 761     |
| Connecting rod bearing pair |                                                         | 6                        | 1910 024 888     |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                        | 8002 000 376     |
| Crankcase seal set          | without oil sump gasket                                 | 1                        | 8002 000 382     |
| Valve cover gasket          |                                                         | 1                        | 8002 641 010     |
| Front cover gasket          |                                                         | 1                        | 8002 075 912     |
| Oil pan gasket              |                                                         | 1                        | 8002 001 129     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                        | 8002 013 470     |
| Crankshaft ring             |                                                         | 1                        | 9060 000 105     |
| Flywheel race               |                                                         | 1                        | 9060 000 140     |
| Inlet valve                 | Special equipment 23                                    | 12                       | 1902 208 104     |
| Output valve                |                                                         | 12                       | 1911 038 491     |
| Valve guide                 | inlet / exhaust                                         | 12/12                    | 1910 033 840     |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6                      | 1911 350 060     |
| Connecting rod bolt         |                                                         | 12                       | 1302 190 724     |
| Connecting rod              |                                                         | 6                        | 1902 208 031     |



**Engine Parts****suitable for Mercedes-Benz 457 974**

| <b>Description</b>          | <b>Version</b>                                          | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|---------------------------------------------------------|--------------------------|------------------|
| Engine piston               | for liner with flame ring                               | 6                        | 1910 024 728     |
| Cylinder liner              | without upper sealing ring, with seals                  | 6                        | 1910 024 729     |
| Assembly                    | with flame ring, without upper sealing ring, with seals | 6                        | 1910 024 727     |
| Piston ring set             |                                                         | 6                        | 1911 038 398     |
| Main bearing pair           |                                                         | 6                        | 1911 037 776     |
| Thrust bearing              |                                                         | 1                        | 1911 037 761     |
| Connecting rod bearing pair |                                                         | 6                        | 1910 024 888     |
| Cylinder head gasket set    | with milled recess on cylinder head                     | 6                        | 8002 000 376     |
| Crankcase seal set          | without oil sump gasket                                 | 1                        | 8002 000 382     |
| Valve cover gasket          |                                                         | 1                        | 8002 641 010     |
| Front cover gasket          |                                                         | 1                        | 8002 075 912     |
| Oil pan gasket              |                                                         | 1                        | 8002 001 129     |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                 | 1                        | 9060 000 100     |
| Cylinder head screw set     | 1 x per cylinder head                                   | 6                        | 8002 013 470     |
| Crankshaft ring             |                                                         | 1                        | 9060 000 105     |
| Flywheel race               |                                                         | 1                        | 9060 000 140     |
| Inlet valve                 | Special equipment 22/23                                 | 12                       | 1902 208 104     |
| Output valve                |                                                         | 12                       | 1911 038 491     |
| Valve guide                 | inlet / exhaust                                         | 12/12                    | 1910 033 840     |
| Constant choke valve        |                                                         | 6                        | 1911 092 775     |
| Cam follower                | 30 mm, for inlet / exhaust                              | 6/6                      | 1911 350 060     |
| Connecting rod bolt         |                                                         | 12                       | 1302 190 724     |
| Connecting rod              |                                                         | 6                        | 1902 208 031     |

**1**

Engine and clutch

**Engine Parts****suitable for Mercedes-Benz 476 934**

| Description                 | Version                          | Number per engine | Order no.    |
|-----------------------------|----------------------------------|-------------------|--------------|
| Cylinder liner              | without seals                    | 6                 | 1911 010 300 |
| Main bearing set            |                                  | 1                 | 1911 100 203 |
| Connecting rod bearing pair | Width 36,2 mm, Ternary material  | 6                 | 1911 014 130 |
| Camshaft bearing set        |                                  | 1                 | 1910 043 263 |
| Small end bush              | for parallel connecting rods     | 6                 | 1911 194 233 |
| Small end bush              | for trapezoidal connecting rods  | 6                 | 1911 014 050 |
| Valve cover gasket          |                                  | 1                 | 8002 641 010 |
| Front cover gasket          |                                  | 1                 | 8002 075 912 |
| Oil pan gasket              |                                  | 1                 | 8002 001 128 |
| Crankshaft seal             | front, 105 x 130 x 12 mm         | 1                 | 8002 047 259 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm          | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head            | 6                 | 8022 506 751 |
| Crankshaft ring             |                                  | 1                 | 9060 000 105 |
| Flywheel race               |                                  | 1                 | 9060 000 140 |
| Inlet valve                 |                                  | 6                 | 1911 020 427 |
| Output valve                |                                  | 6                 | 1911 020 428 |
| Cam follower                | inlet / exhaust, Carbide version | 6/6               | 1911 014 626 |
| Connecting rod bolt         |                                  | 12                | 1302 190 724 |
| Connecting rod              | Parallel connecting rod          | 6                 | 1902 208 055 |
| Connecting rod              | Trapezoidal connecting rod       | 6                 | 1911 603 447 |

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**Engine Parts****suitable for Mercedes-Benz 541 950**

| Description                 | Version                                                  | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                          | 6                 | 1911 001 042 |
| Cylinder liner              | without seals                                            | 6                 | 1911 030 677 |
| Assembly                    |                                                          | 6                 | 1911 038 333 |
| Piston ring set             |                                                          | 6                 | 1911 040 768 |
| Main bearing set            | Ternary material                                         | 1                 | 1911 037 940 |
| Main bearing pair           | Sputter                                                  | 4                 | 1911 037 842 |
| Stop disc set               |                                                          | 1                 | 1910 042 739 |
| Connecting rod bearing pair |                                                          | 6                 | 1911 037 862 |
| Camshaft bearing set        | Semi                                                     | 1                 | 1910 024 890 |
| Cylinder head gasket set    | to engine 084 423                                        | 6                 | 8022 341 900 |
| Cylinder head gasket set    | from engine 084 424 to 155 295                           | 6                 | 8002 535 424 |
| Cylinder head gasket set    | from engine 155 296 to 357 748                           | 6                 | 8002 000 118 |
| Cylinder head gasket set    | from engine 357 749, with milled recess on cylinder head | 6                 | 8002 290 400 |
| Cylinder head repair kit    | without a milled slot on the cylinder head               | 6                 | 8002 045 419 |
| Cylinder head repair kit    | with a milled slot on the cylinder head                  | 6                 | 8002 043 163 |
| Crankcase seal set          | without oil pan seal and cylinder liner sealing rings    | 1                 | 8002 045 984 |
| Control housing seal        | to engine 089 131                                        | 1                 | 8002 470 300 |
| Control housing seal        | from engine 089 132                                      | 1                 | 8002 000 093 |
| Control housing seal set    |                                                          | 1                 | 8002 536 026 |
| Front cover gasket          |                                                          | 1                 | 8002 075 912 |
| Oil pan gasket              | Soft-material                                            | 1                 | 8002 534 671 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                 | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                  | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                    | 6                 | 8002 206 801 |
| Crankshaft ring             |                                                          | 1                 | 9060 000 105 |
| Flywheel race               |                                                          | 1                 | 9060 000 140 |
| Inlet valve                 |                                                          | 12                | 1910 026 148 |
| Output valve                |                                                          | 12                | 1911 037 957 |
| Valve guide                 | inlet / exhaust                                          | 12/12             | 1910 033 840 |
| Constant choke valve        |                                                          | 6                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                               | 12                | 1911 350 060 |
| Connecting rod bolt         |                                                          | 12                | 1911 350 029 |
| Connecting rod              |                                                          | 6                 | 9460 300 520 |

**Engine Parts****suitable for Mercedes-Benz 542 948**

| Description                 | Version                                                  | Number per engine | Order no.    |
|-----------------------------|----------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                          | 8                 | 1911 001 042 |
| Cylinder liner              | without seals                                            | 8                 | 1911 030 677 |
| Assembly                    |                                                          | 8                 | 1911 038 333 |
| Piston ring set             |                                                          | 8                 | 1911 040 768 |
| Main bearing set            | Ternary material                                         | 1                 | 1911 037 940 |
| Main bearing pair           | Sputter                                                  | 5                 | 1911 037 842 |
| Stop disc set               |                                                          | 1                 | 1910 042 739 |
| Connecting rod bearing pair |                                                          | 8                 | 1910 042 469 |
| Camshaft bearing set        | Semi                                                     | 1                 | 1910 024 890 |
| Cylinder head gasket set    | to engine 084 423                                        | 8                 | 8022 341 900 |
| Cylinder head gasket set    | from engine 084 424 to 155 295                           | 8                 | 8002 535 424 |
| Cylinder head gasket set    | from engine 155 296 to 357 748                           | 8                 | 8002 000 118 |
| Cylinder head gasket set    | from engine 357 749, with milled recess on cylinder head | 8                 | 8002 290 400 |
| Cylinder head repair kit    | without a milled slot on the cylinder head               | 8                 | 8002 045 419 |
| Cylinder head repair kit    | with a milled slot on the cylinder head                  | 8                 | 8002 043 163 |
| Crankcase seal set          | without oil pan seal and cylinder liner sealing rings    | 1                 | 8002 045 984 |
| Control housing seal        | top, to engine 089 131                                   | 1                 | 8002 470 300 |
| Control housing seal        | top, from engine 089 132                                 | 1                 | 8002 000 093 |
| Control housing seal set    |                                                          | 1                 | 8002 536 026 |
| Front cover gasket          |                                                          | 1                 | 8002 075 912 |
| Oil pan gasket              | Soft-material                                            | 1                 | 8002 534 671 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                                 | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                                  | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                    | 8                 | 8002 206 801 |
| Crankshaft ring             |                                                          | 1                 | 9060 000 105 |
| Flywheel race               |                                                          | 1                 | 9060 000 140 |
| Inlet valve                 |                                                          | 16                | 1910 026 148 |
| Output valve                |                                                          | 16                | 1911 037 957 |
| Valve guide                 | inlet / exhaust                                          | 16/16             | 1910 033 840 |
| Constant choke valve        |                                                          | 8                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                               | 8/8               | 1911 350 060 |
| Connecting rod bolt         |                                                          | 16                | 1911 350 029 |
| Connecting rod              |                                                          | 8                 | 9460 300 520 |

**Engine Parts****suitable for Mercedes-Benz 542 966**

| Description                 | Version                                               | Number per engine | Order no.    |
|-----------------------------|-------------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                       | 8                 | 1910 037 336 |
| Cylinder liner              | without seals                                         | 8                 | 1910 024 742 |
| Assembly                    |                                                       | 8                 | 1910 024 789 |
| Piston ring set             |                                                       | 8                 | 1910 037 343 |
| Main bearing pair           | Sputter                                               | 5                 | 1911 037 842 |
| Stop disc set               |                                                       | 1                 | 1910 042 739 |
| Connecting rod bearing pair |                                                       | 8                 | 1910 024 888 |
| Camshaft bearing set        | Semi                                                  | 1                 | 1910 024 890 |
| Cylinder head gasket set    | with milled recess on cylinder head                   | 8                 | 8002 290 400 |
| Cylinder head repair kit    | with a milled slot on the cylinder head               | 8                 | 8002 043 163 |
| Crankcase seal set          | without oil pan seal and cylinder liner sealing rings | 1                 | 8002 045 984 |
| Control housing seal        | top                                                   | 1                 | 8002 000 093 |
| Control housing seal set    |                                                       | 1                 | 8002 536 026 |
| Front cover gasket          |                                                       | 1                 | 8002 075 912 |
| Oil pan gasket              | Soft-material                                         | 1                 | 8002 534 671 |
| Crankshaft seal             | front, 105 x 130 x 12 mm                              | 1                 | 8002 524 972 |
| Crankshaft seal             | rear, 120 x 140 x 13 mm                               | 1                 | 9060 000 100 |
| Cylinder head screw set     | 1 x per cylinder head                                 | 8                 | 8002 206 801 |
| Crankshaft ring             |                                                       | 1                 | 9060 000 105 |
| Flywheel race               |                                                       | 1                 | 9060 000 140 |
| Inlet valve                 | Special equipment 24                                  | 16                | 1910 026 148 |
| Output valve                |                                                       | 16                | 1911 038 491 |
| Valve guide                 | inlet / exhaust                                       | 16/16             | 1910 033 840 |
| Constant choke valve        |                                                       | 8                 | 1911 092 775 |
| Cam follower                | 30 mm, for inlet / exhaust                            | 8/8               | 1911 350 060 |
| Connecting rod bolt         |                                                       | 16                | 1911 350 029 |
| Connecting rod              |                                                       | 8                 | 9460 300 520 |

**Engine Parts****suitable for Mercedes-Benz 902 934**

| Description              | Version                                       | Number per engine | Order no.    |
|--------------------------|-----------------------------------------------|-------------------|--------------|
| Engine piston            | Special equipment 21                          | 6                 | 1910 024 214 |
| Piston ring set          | Special equipment 21, from engine 656 088     | 6                 | 1910 024 772 |
| Main bearing pair        |                                               | 7                 | 1910 042 011 |
| Stop disc set            |                                               | 1                 | 1910 024 713 |
| Camshaft bearings        | collar bearing, semi                          | 1                 | 1910 024 891 |
| Camshaft bearings        | bearing, semi                                 | 6                 | 1910 024 892 |
| Gasket full set          | without oil sump gasket or valve cover gasket | 1                 | 8002 000 171 |
| Cylinder head gasket set | for aluminium valve cover                     | 1                 | 8002 534 693 |
| Valve cover gasket set   | for aluminium valve cover                     | 1                 | 8002 000 058 |
| Crankcase seal set       | without oil pan seal                          | 1                 | 8002 534 470 |
| Oil pan gasket           |                                               | 1                 | 8002 051 734 |
| Crankshaft seal          | front                                         | 1                 | 8002 053 136 |
| Crankshaft seal          | rear                                          | 1                 | 8002 534 667 |
| Cylinder head screw      |                                               | 14                | 8002 046 885 |
| Inlet valve              |                                               | 12                | 1911 001 025 |
| Output valve             | Valve seat angle 45°                          | 6                 | 1911 001 026 |
| Cam follower             |                                               | 12                | 1902 208 015 |
| Connecting rod bolt      |                                               | 12                | 1911 044 484 |
| Connecting rod           | Bolt-Ø 42 mm                                  | 6                 | 1902 208 062 |



**Engine Parts****suitable for Mercedes-Benz 906 960**

| Description                 | Version                                                | Number per engine | Order no.    |
|-----------------------------|--------------------------------------------------------|-------------------|--------------|
| Engine piston               | Bolt-Ø 40 mm                                           | 6                 | 1910 034 298 |
| Engine piston               | Bolt-Ø 42 mm, Recess depth 13,9 mm, Trough Ø 73,23 mm  | 6                 | 1911 038 247 |
| Engine piston               | Bolt-Ø 42 mm, Recess depth 13,13 mm, Trough Ø 72,92 mm | 6                 | 1911 038 251 |
| Cylinder liner              | without seals                                          | 6                 | 1910 026 004 |
| Piston ring set             |                                                        | 6                 | 1911 040 859 |
| Main bearing pair           |                                                        | 7                 | 1910 042 011 |
| Stop disc set               |                                                        | 1                 | 1910 024 713 |
| Connecting rod bearing pair | Width 28,3 mm                                          | 6                 | 1910 037 800 |
| Camshaft bearings           | collar bearing, semi                                   | 1                 | 1910 024 891 |
| Camshaft bearings           | bearing, semi                                          | 6                 | 1910 024 892 |
| Gasket full set             | without oil sump gasket or valve cover gasket          | 1                 | 8002 000 171 |
| Cylinder head gasket set    | for aluminium valve cover                              | 1                 | 8002 534 693 |
| Valve cover gasket set      | for aluminium valve cover                              | 1                 | 8002 000 058 |
| Crankcase seal set          | without oil pan seal                                   | 1                 | 8002 534 470 |
| Oil pan gasket              |                                                        | 1                 | 8002 051 734 |
| Crankshaft seal             | front                                                  | 1                 | 8002 053 136 |
| Crankshaft seal             | rear                                                   | 1                 | 8002 534 667 |
| Cylinder head screw         |                                                        | 14                | 8002 046 885 |
| Inlet valve                 |                                                        | 12                | 1911 001 025 |
| Output valve                | Valve seat angle 36°                                   | 6                 | 1911 020 426 |
| Output valve                | Valve seat angle 45°                                   | 6                 | 1911 001 026 |
| Valve guide                 | inlet / exhaust, 13,03 x 8 x 60 mm                     | 18                | 1911 020 455 |
| Cam follower                |                                                        | 12                | 1902 208 015 |
| Connecting rod bolt         |                                                        | 12                | 1911 044 484 |
| Connecting rod              | Bolt-Ø 40 mm, Special equipment 04                     | 6                 | 1902 208 548 |
| Connecting rod              | Bolt-Ø 42 mm, Special equipment 04                     | 6                 | 1902 208 342 |
| Connecting rod              | Bolt-Ø 42 mm, Special equipment 17/23/25               | 6                 | 1902 208 062 |

**Engine Parts****suitable for Mercedes-Benz 906 961**

| <b>Description</b>          | <b>Version</b>                                         | <b>Number per engine</b> | <b>Order no.</b> |
|-----------------------------|--------------------------------------------------------|--------------------------|------------------|
| Engine piston               | Bolt-Ø 40 mm                                           | 6                        | 1910 034 298     |
| Engine piston               | Bolt-Ø 42 mm, Recess depth 13,9 mm, Trough Ø 73,23 mm  | 6                        | 1911 038 247     |
| Engine piston               | Bolt-Ø 42 mm, Recess depth 13,13 mm, Trough Ø 72,92 mm | 6                        | 1911 038 251     |
| Cylinder liner              | without seals                                          | 6                        | 1910 026 004     |
| Piston ring set             |                                                        | 6                        | 1911 040 859     |
| Main bearing pair           |                                                        | 7                        | 1910 042 011     |
| Stop disc set               |                                                        | 1                        | 1910 024 713     |
| Connecting rod bearing pair | Width 28,3 mm                                          | 6                        | 1910 037 800     |
| Camshaft bearings           | collar bearing, semi                                   | 1                        | 1910 024 891     |
| Camshaft bearings           | bearing, semi                                          | 6                        | 1910 024 892     |
| Gasket full set             | without oil sump gasket or valve cover gasket          | 1                        | 8002 000 171     |
| Cylinder head gasket set    | for plastic valve cover                                | 1                        | 8002 049 024     |
| Valve cover gasket set      | up to engine 518 971, for plastic valve cover          | 1                        | 8002 000 056     |
| Valve cover gasket set      | from engine 518 972, for plastic valve cover           | 1                        | 8002 001 102     |
| Crankcase seal set          | without oil pan seal                                   | 1                        | 8002 534 470     |
| Oil pan gasket              |                                                        | 1                        | 8002 051 734     |
| Crankshaft seal             | front                                                  | 1                        | 8002 053 136     |
| Crankshaft seal             | rear                                                   | 1                        | 8002 534 667     |
| Cylinder head screw         |                                                        | 14                       | 8002 046 885     |
| Inlet valve                 |                                                        | 12                       | 1911 001 025     |
| Output valve                | Valve seat angle 36°                                   | 6                        | 1911 020 426     |
| Output valve                | Valve seat angle 45°                                   | 6                        | 1911 001 026     |
| Valve guide                 | inlet / exhaust, 13,03 x 8 x 60 mm                     | 18                       | 1911 020 455     |
| Cam follower                |                                                        | 12                       | 1902 208 015     |
| Connecting rod bolt         |                                                        | 12                       | 1911 044 484     |
| Connecting rod              | Bolt-Ø 40 mm, Special equipment 04                     | 6                        | 1902 208 548     |
| Connecting rod              | Bolt-Ø 42 mm, Special equipment 04                     | 6                        | 1902 208 342     |
| Connecting rod              | Bolt-Ø 42 mm, Special equipment 17/23/25               | 6                        | 1902 208 062     |

## Engine Parts

suitable for Mercedes-Benz 909 901

| Description                 | Version                                               | Number per engine | Order no.    |
|-----------------------------|-------------------------------------------------------|-------------------|--------------|
| Engine piston               | Bolt-Ø 40 mm                                          | 6                 | 1910 034 298 |
| Engine piston               | Bolt-Ø 42 mm, Recess depth 13,9 mm, Trough Ø 73,23 mm | 6                 | 1911 038 247 |
| Cylinder liner              | without seals                                         | 6                 | 1910 026 004 |
| Piston ring set             |                                                       | 6                 | 1911 040 859 |
| Main bearing pair           |                                                       | 7                 | 1910 042 011 |
| Stop disc set               |                                                       | 1                 | 1910 024 713 |
| Connecting rod bearing pair | Width 28,3 mm                                         | 6                 | 1910 037 800 |
| Camshaft bearings           | collar bearing, semi                                  | 1                 | 1910 024 891 |
| Camshaft bearings           | bearing, semi                                         | 6                 | 1910 024 892 |
| Gasket full set             | without oil sump gasket or valve cover gasket         | 1                 | 8002 000 171 |
| Cylinder head gasket set    | for aluminium valve cover                             | 1                 | 8002 534 693 |
| Valve cover gasket set      | for aluminium valve cover                             | 1                 | 8002 000 058 |
| Crankcase seal set          | without oil pan seal                                  | 1                 | 8002 534 470 |
| Oil pan gasket              |                                                       | 1                 | 8002 051 734 |
| Crankshaft seal             | front                                                 | 1                 | 8002 053 136 |
| Crankshaft seal             | rear                                                  | 1                 | 8002 534 667 |
| Cylinder head screw         |                                                       | 14                | 8002 046 885 |
| Inlet valve                 |                                                       | 12                | 1911 001 025 |
| Output valve                | Valve seat angle 36°                                  | 6                 | 1911 020 426 |
| Output valve                | Valve seat angle 45°                                  | 6                 | 1911 001 026 |
| Valve guide                 | inlet / exhaust, 13,03 x 8 x 60 mm                    | 18                | 1911 020 455 |
| Cam follower                |                                                       | 12                | 1902 208 015 |
| Connecting rod bolt         |                                                       | 12                | 1911 044 484 |
| Connecting rod              | Bolt-Ø 40 mm, Special equipment 04                    | 6                 | 1902 208 548 |
| Connecting rod              | Bolt-Ø 42 mm, Special equipment 04                    | 6                 | 1902 208 342 |
| Connecting rod              | Bolt-Ø 42 mm, Special equipment 17/23                 | 6                 | 1902 208 062 |

**Engine Parts****suitable for Mercedes-Benz 926 939**

| Description              | Version                                       | Number per engine | Order no.    |
|--------------------------|-----------------------------------------------|-------------------|--------------|
| Piston ring set          |                                               | 6                 | 1911 020 431 |
| Main bearing pair        |                                               | 7                 | 1910 042 011 |
| Stop disc set            |                                               | 1                 | 1910 024 713 |
| Camshaft bearings        | collar bearing, semi                          | 1                 | 1910 024 891 |
| Camshaft bearings        | bearing, semi                                 | 6                 | 1910 024 892 |
| Cylinder head gasket set | for plastic valve cover                       | 1                 | 8002 045 100 |
| Valve cover gasket set   | up to engine 518 971, for plastic valve cover | 1                 | 8002 000 056 |
| Valve cover gasket set   | from engine 518 972, for plastic valve cover  | 1                 | 8002 001 102 |
| Crankcase seal set       | without oil pan seal                          | 1                 | 8002 534 470 |
| Oil pan gasket           |                                               | 1                 | 8002 051 734 |
| Crankshaft seal          | front                                         | 1                 | 8002 053 136 |
| Crankshaft seal          | rear                                          | 1                 | 8002 534 667 |
| Cylinder head screw      |                                               | 14                | 8002 046 885 |
| Inlet valve              |                                               | 12                | 1911 001 025 |
| Output valve             | Valve seat angle 36°                          | 6                 | 1911 020 426 |
| Output valve             | Valve seat angle 45°                          | 6                 | 1911 001 026 |
| Cam follower             |                                               | 12                | 1902 208 015 |
| Connecting rod bolt      |                                               | 12                | 1911 044 484 |

**Engine Parts****suitable for Mercedes-Benz 926 949**

| Description              | Version                                       | Number per engine | Order no.    |
|--------------------------|-----------------------------------------------|-------------------|--------------|
| Piston ring set          |                                               | 6                 | 1911 020 431 |
| Main bearing pair        |                                               | 7                 | 1910 042 011 |
| Stop disc set            |                                               | 1                 | 1910 024 713 |
| Camshaft bearings        | collar bearing, semi                          | 1                 | 1910 024 891 |
| Camshaft bearings        | bearing, semi                                 | 6                 | 1910 024 892 |
| Cylinder head gasket set | for plastic valve cover                       | 1                 | 8002 045 100 |
| Valve cover gasket set   | up to engine 518 971, for plastic valve cover | 1                 | 8002 000 056 |
| Valve cover gasket set   | from engine 518 972, for plastic valve cover  | 1                 | 8002 001 102 |
| Crankcase seal set       | without oil pan seal                          | 1                 | 8002 534 470 |
| Oil pan gasket           |                                               | 1                 | 8002 051 734 |
| Crankshaft seal          | front                                         | 1                 | 8002 053 136 |
| Crankshaft seal          | rear                                          | 1                 | 8002 534 667 |
| Cylinder head screw      |                                               | 14                | 8002 046 885 |
| Inlet valve              |                                               | 12                | 1911 001 025 |
| Output valve             | Valve seat angle 36°                          | 6                 | 1911 020 426 |
| Cam follower             |                                               | 12                | 1902 208 015 |
| Connecting rod bolt      |                                               | 12                | 1911 044 484 |



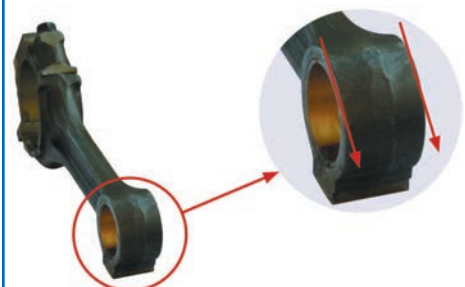
### Cylinder head gasket

Single layer gasket:  
gasket made of one layer of metal,  
edging of passage openings made of rubber



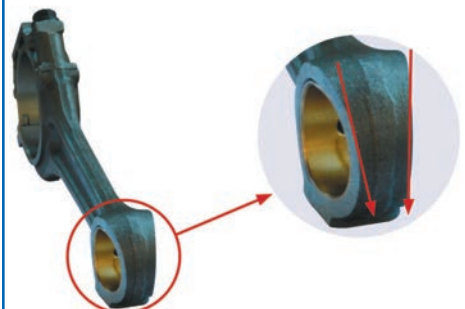
### Cylinder head gasket

multi-layer metal gasket:  
gasket of 3 thin stainless steel layers merged together,  
edging of passage openings made of copper



### Connecting rod eye on top

Parallel connecting rod:  
side faces run parallel to one another



Trapezoidal connecting rod:  
side faces run trapezoidal to one another



### Cylinder liner

additional groove with sealing ring directly under the collar



### OM 457: follow these instructions without fail when installing the upper sealing ring

The upper O-ring is not a round section O-ring, but a profiled sealing ring with bevelled edges. During installation it is vital to make sure that the bevelled edges are installed towards the outside and that the seal is

- not tilted
  - not twisted
  - not distorted
- when installed.

If an old version liner WITHOUT an upper O-ring is replaced by a new version WITH an upper O-ring, the edge of the inner counter bore in the engine block must be checked according to the manufacturer's instructions and reworked if necessary.

**VICTOR REINZ**



### Different cylinder head gaskets for Mercedes-Benz OM 457/OM 460

Modified cylinder heads are in use for engine series OM 457 and OM 460 from engine no. 085 588. While the earlier cylinder head is flat at the sealing surfaces, in the modified design a groove has been milled out around the water and pressurised oil bores. At the same time, the cylinder head gasket has been adapted and the sealing potential increased.

The main distinguishing features of the cylinder head gasket are the approx. 3 mm high rubber sealing lips of the water and pressurised oil bores.

#### Repair instructions:

The cylinder heads and accordingly the cylinder head gaskets are differentiated by the engine number. Used together (cylinder head and gasket), these components are however also compatible on older engines up to engine no. 085 588. During repair, it is therefore vital to pay attention to which cylinder heads are installed. Please make certain that the cylinder head gasket or repair kit always matches the cylinder head. Any mistake made here will lead to engine damage. During repair, always pay attention to the flatness of the sealing surfaces, any indentation or component warping must be rectified without fail.

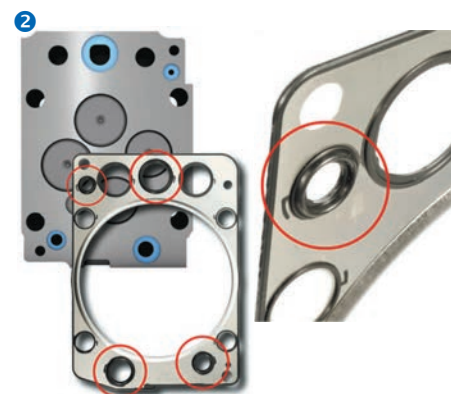
#### Assignment:

cylinder head with flat sealing surface, to engine no.: 085 588  
9467 016 112 (1) (cylinder head gasket)

cylinder head with milled grooves, from engine no.: 085 589  
8002 000 385 (2) (cylinder head gasket)



flat rubber sealing lip

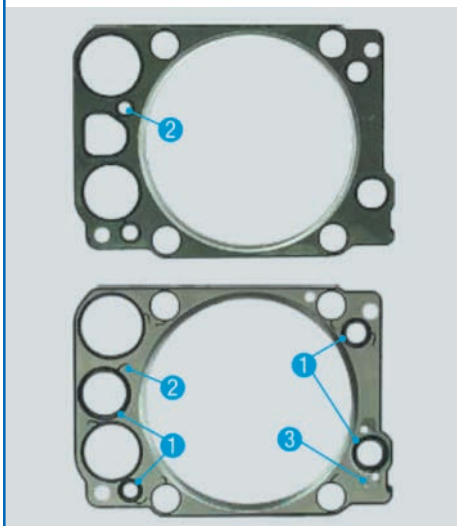


3 mm higher rubber sealing lip



**VICTOR REINZ**

## Different cylinder head gaskets for Mercedes-Benz OM 500



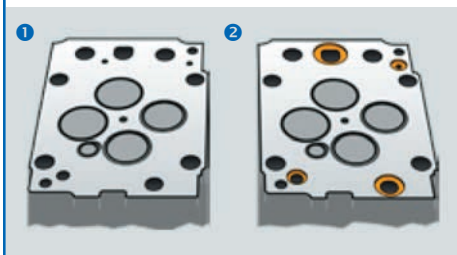
Modified cylinder heads are in use for engine series OM 500 from the year 2004 and engine no. 357 749 respectively. While the earlier cylinder head is flat at the sealing surfaces, in the modified design a groove has been milled out around the water and pressurised oil bores. At the same time, the cylinder head gasket has been adapted and the sealing potential increased.

### Distinguishing features:

The main distinguishing features of the cylinder head gasket are the approx. 3 mm high rubber sealing lips of the water and pressurised oil bores (1), lack of a bore at the water channel (2) and a protective metal ring at the rubber sealing element (3) (water channel/exhaust side).

### Repair instructions:

The cylinder heads and accordingly the cylinder head gaskets are differentiated by the engine number. Used together (cylinder head and gasket), these components are however also compatible on older engines up to engine no. 357 748. During repair, it is therefore vital to pay attention to which cylinder heads are installed. Please make certain that the cylinder head gasket or repair kit always matches the cylinder head. Any mistake made here will lead to engine damage. During repair, always pay attention to the flatness of the sealing surfaces. Any indentation or component warping must be rectified without fail.



### Assignment:

cylinder head with flat sealing surface  
8002 043 061 (1) (standard cylinder head gasket)  
to engine no.: 357 748

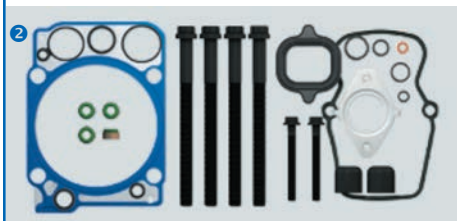
cylinder head with milled grooves  
8002 066 720 (2) (standard cylinder head gasket)  
from engine no.: 357 749



The topographic two-layer cylinder head gasket has incorporated the function of the inductively hardened cylinder head. By increasing the combustion chamber surround between the cylinder head bolts, settling under pressure is better distributed. The two-fold combustion chamber sealing with additional protection of the elastomers against destruction by hot gases also guarantees the highest potential sealing and prevents an inclusion into the sealing surface of the cylinder head.

### Repair solution for a damaged sealing surface on the cylinder head:

When the sealing surface is machined, the hardened facing is removed. A previously damaged cylinder head must normally be replaced with a new hardened cylinder head. Use of the topographic cylinder head gasket from VICTOR REINZ often allows the old cylinder head to be reinstalled after it has been professionally reworked. High costs are avoided by doing this.



Repair kits for all series OM 500 engines, compiled for an optimum engine repair or overhaul. Universal fit for all engines.

**Engine Parts****suitable for Iveco F 2 AE 3682**

| Description                | Version       | Number per engine | Order no.    |
|----------------------------|---------------|-------------------|--------------|
| Cylinder liner             | without seals | 6                 | 1911 038 613 |
| Main bearing set           |               | 1                 | 1910 037 897 |
| Connecting rod bearing set |               | 1                 | 1910 034 629 |
| Small end bush             | Semi          | 6                 | 1910 024 934 |
| Cylinder head gasket set   |               | 1                 | 8002 531 782 |
| Oil pan gasket             |               | 1                 | 8002 001 479 |
| Crankshaft seal            | front         | 1                 | 8002 001 049 |
| Crankshaft seal            | rear          | 1                 | 8002 536 576 |
| Cylinder head screw        | M17 x 2 x 185 | 6                 | 2599 430 335 |
| Inlet valve                |               | 12                | 1911 010 060 |

**Engine Parts****suitable for Iveco F2 BE 0682/0682 A/0682 C**

| Description                | Version | Number per engine | Order no.    |
|----------------------------|---------|-------------------|--------------|
| Piston ring set            |         | 6                 | 1911 020 451 |
| Main bearing set           |         | 1                 | 1910 024 935 |
| Connecting rod bearing set |         | 1                 | 1910 024 936 |
| Small end bush             | Semi    | 6                 | 1910 024 940 |
| Engine gasket set          |         | 1                 | 8002 001 675 |
| Cylinder head gasket set   |         | 1                 | 8002 044 896 |
| Oil pan gasket             |         | 1                 | 2599 443 902 |
| Crankshaft seal            | front   | 1                 | 8002 001 674 |
| Crankshaft seal            | rear    | 1                 | 8002 001 092 |
| Cylinder head screw set    |         | 1                 | 1910 024 943 |
| Inlet valve                |         | 12                | 1911 020 217 |
| Output valve               |         | 12                | 1911 020 450 |
| Connecting rod bolt        |         | 12                | 2590 337 726 |

**Engine Parts****suitable for Scania DSC 9.12 (260 PS)/DSC 9.15 (310 PS)**

| Description                | Version         | Number per engine | Order no.    |
|----------------------------|-----------------|-------------------|--------------|
| Engine piston              |                 | 6                 | 1911 037 716 |
| Cylinder liner             | without seals   | 6                 | 1911 037 725 |
| Piston ring set            |                 | 6                 | 1911 038 369 |
| Main bearing set           | Width 95 mm     | 1                 | 1911 046 080 |
| Stop disc set              |                 | 1                 | 1911 046 081 |
| Connecting rod bearing set |                 | 1                 | 1910 027 274 |
| Engine gasket set          |                 | 1                 | 8002 001 669 |
| Cylinder head gasket set   |                 | 6                 | 8002 536 454 |
| Oil pan gasket             |                 | 1                 | 8022 504 690 |
| Crankshaft seal            | front           | 1                 | 8000 010 554 |
| Crankshaft seal            | rear, Teflon    | 1                 | 8002 001 670 |
| Cylinder head screw        |                 | 36                | 9800 346 318 |
| Inlet valve                |                 | 6                 | 1910 055 048 |
| Output valve               |                 | 6                 | 1910 054 345 |
| Valve guide                | inlet / exhaust | 6/6               | 1910 055 144 |
| Connecting rod bolt        | M12 x 72        | 24                | 8000 010 422 |

**Engine Parts****suitable for Scania DC 9.24 (360 PS)**

| Description                 | Number per engine | Order no.    |
|-----------------------------|-------------------|--------------|
| Main bearing pair           | 6                 | 1910 024 656 |
| Stop disc set               | 1                 | 1910 037 389 |
| Connecting rod bearing pair | 5                 | 1910 024 282 |
| Oil pan gasket              | 1                 | 8002 001 671 |
| Cylinder head screw set     | 5                 | 8002 046 955 |

**Engine Parts****suitable for Scania DC 11.03 (340 PS)**

| Description                 | Version                                         | Number per engine | Order no.    |
|-----------------------------|-------------------------------------------------|-------------------|--------------|
| Engine piston               | one-part                                        | 6                 | 1911 020 432 |
| Cylinder liner              | without seals, External bushing collar-Ø 150 mm | 6                 | 1911 040 610 |
| Cylinder liner              | without seals, External bushing collar-Ø 151 mm | 6                 | 1911 020 418 |
| Main bearing set            |                                                 | 1                 | 1910 042 612 |
| Stop disc set               |                                                 | 1                 | 1910 037 389 |
| Connecting rod bearing pair |                                                 | 6                 | 1910 024 282 |
| Small end bush              | Semi                                            | 6                 | 1911 037 861 |
| Engine gasket set           |                                                 | 1                 | 8002 000 123 |
| Cylinder head gasket set    |                                                 | 6                 | 8002 045 828 |
| Oil pan gasket              |                                                 | 1                 | 8002 000 085 |
| Crankshaft seal             | front                                           | 1                 | 8002 152 320 |
| Crankshaft seal             | rear                                            | 1                 | 8002 000 078 |
| Cylinder head screw set     |                                                 | 6                 | 8002 046 955 |
| Inlet valve                 |                                                 | 12                | 1910 054 951 |
| Output valve                |                                                 | 12                | 1910 054 952 |
| Valve guide                 | inlet / exhaust                                 | 12/12             | 1910 024 759 |
| Connecting rod bolt         | M12 x 72                                        | 24                | 8000 010 422 |

**Engine Parts****suitable for Scania DC 12.01**

| Description                 | Version                                         | Number per engine | Order no.    |
|-----------------------------|-------------------------------------------------|-------------------|--------------|
| Engine piston               |                                                 | 6                 | 1911 011 621 |
| Cylinder liner              | without seals, External bushing collar-Ø 150 mm | 6                 | 1911 040 610 |
| Cylinder liner              | without seals, External bushing collar-Ø 151 mm | 6                 | 1911 020 418 |
| Piston ring set             |                                                 | 6                 | 1911 001 021 |
| Main bearing pair           |                                                 | 6                 | 1910 024 656 |
| Stop disc set               |                                                 | 1                 | 1910 037 389 |
| Connecting rod bearing pair |                                                 | 6                 | 1910 024 282 |
| Small end bush              | Semi                                            | 6                 | 1911 037 861 |
| Oil pan gasket              |                                                 | 1                 | 8002 000 085 |
| Crankshaft seal             | front                                           | 1                 | 8002 152 320 |
| Crankshaft seal             | rear, Outer Ø 175 mm                            | 1                 | 8002 000 078 |
| Crankshaft seal             | rear, Outer Ø 185 mm                            | 1                 | 8002 001 672 |
| Cylinder head screw set     |                                                 | 6                 | 8002 046 955 |
| Inlet valve                 |                                                 | 12                | 1910 054 951 |
| Output valve                |                                                 | 12                | 1910 054 952 |
| Valve guide                 | inlet / exhaust                                 | 12/12             | 1910 024 759 |
| Connecting rod bolt         | M12 x 72                                        | 24                | 8000 010 422 |

**Engine Parts****suitable for Scania DC 12.13**

| Description                 | Version              | Number per engine | Order no.    |
|-----------------------------|----------------------|-------------------|--------------|
| Piston ring set             |                      | 6                 | 1911 001 021 |
| Main bearing pair           |                      | 6                 | 1910 024 656 |
| Stop disc set               |                      | 1                 | 1910 037 389 |
| Connecting rod bearing pair |                      | 6                 | 1910 024 282 |
| Small end bush              | Semi                 | 6                 | 1911 037 861 |
| Cylinder head gasket set    |                      | 6                 | 8002 536 006 |
| Oil pan gasket              |                      | 1                 | 8002 000 085 |
| Crankshaft seal             | front                | 1                 | 8002 152 320 |
| Crankshaft seal             | rear, Outer Ø 175 mm | 1                 | 8002 000 078 |
| Crankshaft seal             | rear, Outer Ø 185 mm | 1                 | 8002 001 672 |
| Cylinder head screw set     |                      | 6                 | 8002 046 955 |
| Inlet valve                 |                      | 12                | 1910 054 951 |
| Output valve                |                      | 12                | 1910 054 952 |
| Valve guide                 | inlet / exhaust      | 12/12             | 1910 024 759 |

**Engine Parts****suitable for Volvo D 7 C 290**

| Description                | Version         | Number per engine | Order no.    |
|----------------------------|-----------------|-------------------|--------------|
| Engine piston              |                 | 6                 | 1911 020 341 |
| Cylinder liner             | without seals   | 6                 | 1911 037 799 |
| Piston ring set            |                 | 6                 | 1911 087 455 |
| Main bearing set           |                 | 1                 | 1911 020 445 |
| Stop disc set              |                 | 1                 | 1911 020 446 |
| Connecting rod bearing set |                 | 1                 | 1911 020 447 |
| Cylinder head gasket set   |                 | 1                 | 8002 043 881 |
| Oil pan gasket             | Rubber          | 1                 | 8002 001 032 |
| Crankshaft seal            | front           | 1                 | 8002 533 114 |
| Crankshaft seal            | rear            | 1                 | 8002 532 633 |
| Cylinder head screw set    |                 | 2                 | 8002 535 774 |
| Inlet valve                |                 | 6                 | 1911 037 958 |
| Output valve               |                 | 6                 | 1911 037 750 |
| Valve guide                | inlet / exhaust | 6/6               | 1911 012 034 |

**Engine Parts****suitable for Volvo D 9 A 340**

| Description                | Version       | Number per engine | Order no.    |
|----------------------------|---------------|-------------------|--------------|
| Engine piston              |               | 6                 | 1911 020 448 |
| Cylinder liner             | without seals | 6                 | 1911 038 132 |
| Assembly                   |               | 6                 | 1911 038 654 |
| Piston ring set            |               | 6                 | 1911 020 436 |
| Main bearing set           |               | 1                 | 1911 020 147 |
| Stop disc set              |               | 1                 | 1910 042 725 |
| Connecting rod bearing set |               | 1                 | 1911 020 148 |
| Cylinder head gasket set   |               | 1                 | 8002 001 054 |
| Crankcase seal set         |               | 1                 | 8002 532 108 |
| Oil pan gasket             |               | 1                 | 8002 047 420 |
| Crankshaft seal            | front         | 1                 | 8002 001 401 |
| Crankshaft seal            | rear          | 1                 | 8002 047 396 |
| Cylinder head screw        |               | 26                | 8002 001 322 |
| Inlet valve                | single groove | 12                | 1910 024 899 |
| Output valve               | single groove | 12                | 1910 024 900 |

**Engine Parts****suitable for Volvo D 9 B 260**

| Description                | Version         | Number per engine | Order no.    |
|----------------------------|-----------------|-------------------|--------------|
| Main bearing set           |                 | 1                 | 1911 020 147 |
| Stop disc set              |                 | 1                 | 1910 042 725 |
| Connecting rod bearing set |                 | 1                 | 1911 020 148 |
| Cylinder head gasket set   |                 | 1                 | 8002 001 666 |
| Oil pan gasket             |                 | 1                 | 8002 047 420 |
| Crankshaft seal            | front           | 1                 | 8002 001 401 |
| Crankshaft seal            | rear            | 1                 | 8002 047 396 |
| Cylinder head screw        |                 | 26                | 8002 001 322 |
| Inlet valve                | three grooves   | 12                | 1910 024 901 |
| Output valve               | three grooves   | 12                | 1910 024 902 |
| Valve guide                | inlet / exhaust | 12/12             | 6171 546 437 |

**Engine Parts****suitable for Volvo D 12 A 420**

| Description                 | Version         | Number per engine | Order no.    |
|-----------------------------|-----------------|-------------------|--------------|
| Engine piston               |                 | 6                 | 1911 011 316 |
| Cylinder liner              | without seals   | 6                 | 1911 011 254 |
| Piston ring set             |                 | 6                 | 1911 037 631 |
| Main bearing pair           |                 | 7                 | 1911 001 007 |
| Stop disc set               |                 | 1                 | 1910 042 725 |
| Connecting rod bearing pair |                 | 6                 | 1911 001 006 |
| Small end bush              | Semi            | 6                 | 1911 040 716 |
| Engine gasket set           |                 | 1                 | 8002 013 473 |
| Cylinder head gasket set    |                 | 1                 | 8002 013 408 |
| Crankcase seal set          |                 | 1                 | 8002 013 487 |
| Oil pan gasket              |                 | 1                 | 6171 547 562 |
| Crankshaft seal             | rear            | 1                 | 8002 013 489 |
| Cylinder head screw         |                 | 38                | 6600 011 743 |
| Inlet valve                 |                 | 12                | 1910 054 629 |
| Output valve                |                 | 12                | 1910 054 630 |
| Valve guide                 | inlet / exhaust | 12/12             | 1910 024 912 |



**Engine Parts****suitable for Volvo DH 12 D 340**

| Description                 | Version                 | Number per engine | Order no.    |
|-----------------------------|-------------------------|-------------------|--------------|
| Engine piston               |                         | 6                 | 1911 020 434 |
| Cylinder liner              | without seals           | 6                 | 1911 913 313 |
| Assembly                    |                         | 6                 | 1911 020 435 |
| Piston ring set             |                         | 6                 | 1911 037 631 |
| Main bearing pair           |                         | 7                 | 1911 001 007 |
| Stop disc set               |                         | 1                 | 1910 042 725 |
| Connecting rod bearing pair |                         | 6                 | 1911 001 006 |
| Cylinder head gasket set    |                         | 1                 | 8002 013 486 |
| Engine gasket set           | without oil sump gasket | 1                 | 8002 536 168 |
| Crankshaft seal             | front                   | 1                 | 8002 001 401 |
| Crankshaft seal             | rear                    | 1                 | 8002 013 489 |
| Cylinder head screw         |                         | 38                | 6600 011 743 |
| Inlet valve                 |                         | 12                | 1910 024 172 |
| Output valve                |                         | 12                | 1910 054 630 |

**Engine Parts****suitable for Volvo DH 12 E 420**

| Description                 | Version | Number per engine | Order no.    |
|-----------------------------|---------|-------------------|--------------|
| Main bearing pair           |         | 7                 | 1911 001 007 |
| Stop disc set               |         | 1                 | 1910 042 725 |
| Connecting rod bearing pair |         | 6                 | 1911 001 006 |
| Engine gasket set           |         | 1                 | 8002 013 485 |
| Cylinder head gasket set    |         | 1                 | 8002 013 486 |
| Crankshaft seal             | front   | 1                 | 8002 001 401 |
| Crankshaft seal             | rear    | 1                 | 8002 013 489 |
| Cylinder head screw         |         | 38                | 6600 011 743 |
| Inlet valve                 |         | 12                | 1910 024 172 |
| Output valve                |         | 12                | 1910 054 630 |

**Engine Parts****suitable for Volvo THD 101 G**

| Description                | Version         | Number per engine | Order no.    |
|----------------------------|-----------------|-------------------|--------------|
| Engine piston              |                 | 6                 | 1911 020 414 |
| Cylinder liner             | without seals   | 6                 | 1911 011 253 |
| Assembly                   |                 | 6                 | 1911 011 201 |
| Piston ring set            |                 | 6                 | 1911 013 741 |
| Main bearing set           |                 | 1                 | 1911 014 252 |
| Stop disc set              |                 | 1                 | 1910 042 717 |
| Connecting rod bearing set |                 | 1                 | 1910 042 348 |
| Cylinder head gasket set   |                 | 1                 | 8002 001 568 |
| Crankshaft seal            | front           | 1                 | 6170 001 329 |
| Crankshaft seal            | rear            | 1                 | 8022 504 995 |
| Inlet valve                |                 | 6                 | 1911 020 394 |
| Output valve               |                 | 6                 | 1910 054 367 |
| Valve guide                | Inlet           | 6                 | 1910 024 933 |
| Valve guide                | Exhaust         | 6                 | 1910 055 080 |
| Cam follower               | inlet / exhaust | 6/6               | 1911 044 877 |

**Engine Parts****suitable for Volvo THD 102 K**

| Description                | Version       | Number per engine | Order no.    |
|----------------------------|---------------|-------------------|--------------|
| Assembly                   | with seals    | 6                 | 1911 020 449 |
| Engine piston              |               | 6                 | 1911 011 322 |
| Cylinder liner             | without seals | 6                 | 1911 011 248 |
| Piston ring set            |               | 6                 | 1910 025 097 |
| Main bearing set           |               | 1                 | 1911 014 252 |
| Stop disc set              |               | 1                 | 1910 042 717 |
| Connecting rod bearing set |               | 1                 | 1910 042 348 |
| Cylinder head gasket set   |               | 1                 | 8002 001 568 |
| Crankshaft seal            | front         | 1                 | 6170 001 329 |
| Crankshaft seal            | rear          | 1                 | 8022 504 995 |
| Cylinder head screw        |               | 24                | 6170 001 718 |
| Inlet valve                |               | 6                 | 1911 020 394 |
| Output valve               |               | 6                 | 1910 054 367 |
| Valve guide                | Inlet         | 6                 | 1910 055 180 |
| Valve guide                | Exhaust       | 6                 | 1910 055 080 |

**Engine Parts****suitable for Volvo THD 104 K**

| Description                | Version         | Number per engine | Order no.    |
|----------------------------|-----------------|-------------------|--------------|
| Cylinder liner             | without seals   | 6                 | 1911 011 257 |
| Piston ring set            |                 | 6                 | 1911 013 748 |
| Main bearing set           |                 | 1                 | 1911 014 252 |
| Stop disc set              |                 | 1                 | 1910 042 717 |
| Connecting rod bearing set |                 | 1                 | 1910 042 348 |
| Crankshaft seal            | front           | 1                 | 6170 001 329 |
| Crankshaft seal            | rear            | 1                 | 8022 504 995 |
| Cylinder head screw        |                 | 24                | 6170 001 718 |
| Inlet valve                |                 | 6                 | 1911 020 394 |
| Output valve               |                 | 6                 | 1910 054 367 |
| Valve guide                | inlet / exhaust | 6/6               | 1910 055 080 |
| Cam follower               | inlet / exhaust | 6/6               | 1911 044 877 |



## LEMFÖRDER

### Engine bearing

|                          |           |
|--------------------------|-----------|
| Installation location    | front     |
| Distance between centres | 100 mm    |
| Bore hole Ø              | 15 mm     |
| Inner thread             | M14 x 1,5 |
| Width                    | 122 mm    |
| Height                   | 150 mm    |
| Length                   | 228 mm    |
| Depth                    | 20 mm     |

| suitable for                                      | Order no.    | Comparative no.    |
|---------------------------------------------------|--------------|--------------------|
| Mercedes-Benz Citaro I (O 530), Conecto I (O 345) | 3564 463 089 | Lemförder 25610 02 |



### Engine bearing

#### Application range

vehicles with automatic gearboxes

This figure corresponds to 9463 401 318

| suitable for                                                                                             | Installation location | Inner thread         | Height | Order no.    |
|----------------------------------------------------------------------------------------------------------|-----------------------|----------------------|--------|--------------|
| Mercedes-Benz Citaro (O 530)<br>Setra S 315/319 NF                                                       | front/rear            | M18 x 1,5            | 146 mm | 1911 045 205 |
| Mercedes-Benz O 405, O 405 N<br>Setra S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD           |                       | M16 x 1,5            | 130 mm | 7900 000 120 |
| Mercedes-Benz Travego (O 580)<br>Neoplan Starliner (N 516)<br>Setra S 411, S 415, S 416, S 417, S 431 DT | rear                  | M14 x 1,5/ M18 x 1,5 | 133 mm | 6170 480 220 |
| Scania Serie 3/4                                                                                         | front                 | M14                  | 147 mm | 9800 127 003 |
| Setra S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH, S 431 DT                                             | rear                  | M14 x 1,5/M18 x 1,5  | 130 mm | 9463 401 318 |



### Engine bearing

This figure corresponds to 9469 240 001

| suitable for                                                                                                                                                | Installation location | Installation side | Order no.    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|--------------|
| Mercedes-Benz Citaro (O 530)                                                                                                                                | rear                  | right             | 9462 402 017 |
| Mercedes-Benz Travego I (O 580)<br>Setra S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT | front                 |                   | 9469 240 001 |
| Setra S 417 UL                                                                                                                                              |                       |                   | 9462 400 118 |



### Exhaust turbocharger

| suitable for              | Order no.    | Comparative no. |
|---------------------------|--------------|-----------------|
| Setra S 315/317/319 GT-HD | 1902 431 001 | Holset 4027573  |



### Exhaust turbocharger

| suitable for      | Order no.    | Comparative no.        |
|-------------------|--------------|------------------------|
| MAN D 2876 LOH 02 | 1911 020 514 | Mahle 228 TC 15336 000 |



**Exhaust turbocharger  
in exchange**

1

Engine and clutch

This figure corresponds to 5231 007 635

| suitable for                                                        | Order no.           | Comparative no.      |
|---------------------------------------------------------------------|---------------------|----------------------|
| <b>Heuliez</b> GX 327, 427                                          | <b>1902 027 641</b> | Holset 4046933       |
| <b>Irisbus</b> Arway, Citelis, Eurorider, Evadys, Récréo            |                     |                      |
| <b>Iveco</b> CityClass                                              |                     |                      |
| <b>MAN</b> Lion's City (A20/A21/A23)                                | <b>5231 007 635</b> | KKK 1383 988 0000    |
| <b>Mercedes-Benz</b> Citaro I (O 530)                               | <b>1902 027 935</b> | KKK 53279707137      |
| <b>Mercedes-Benz</b> Citaro II (O 530)                              | <b>1902 027 978</b> | Schitzer 318974      |
| <b>Mercedes-Benz</b> Citaro II (O 530)                              | <b>1902 028 746</b> | Garrett 707516-5008S |
| <b>Setra</b> S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH, S 417 UL | <b>1902 028 828</b> | KKK 5640 988 0005    |
| <b>Setra</b> S 431 DT                                               | <b>1902 028 881</b> | KKK 5641 988 0015    |
| <b>Volvo</b> B12B                                                   | <b>1902 028 869</b> | Garrett 709197-5010S |
| <b>Volvo</b> B9TL                                                   | <b>1902 028 871</b> | Holset 4044668       |

#### Accessories

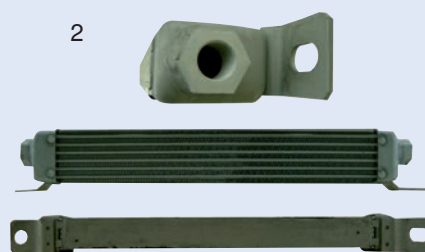
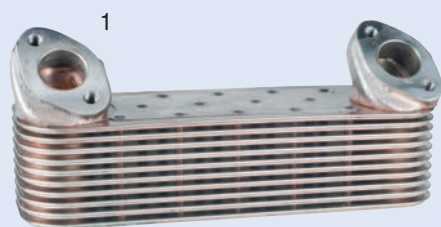
| suitable for                     | Description            | Order no.           |
|----------------------------------|------------------------|---------------------|
| <b>Irisbus</b> Arway, New Domino | Valve for turbocharger | <b>2590 183 963</b> |
| <b>Iveco</b> CityClass           |                        |                     |

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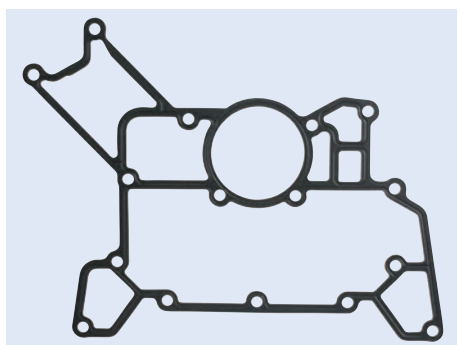


## Oil cooler

| suitable for                                                                                                                                                                                                 | Length  | Width  | Depth | Scope of supply | Fig. | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-------|-----------------|------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 404, O 408<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Setra</b> S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | 250 mm  | 78 mm  |       |                 | 1    | <b>1911 225 000</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX)                                                                                         | 361 mm  | 330 mm | 16 mm | with bracket    |      | <b>5230 231 614</b> |
| <b>MAN</b> NG (A23)                                                                                                                                                                                          | 442 mm  | 79 mm  |       |                 | 2    | <b>9100 266 000</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                                                                                       | 1000 mm | 192 mm | 62 mm | complete        |      | <b>9465 003 800</b> |

## Oil cooler

| suitable for                                                       | Order no.           | Comparative no.             |
|--------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Arway, Crossway, Eurorider                          | <b>2594 122 015</b> | Irisbus 504122015           |
| <b>Iveco</b> CityClass                                             | <b>2590 343 057</b> | Irisbus 500343057           |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF | <b>9465 003 900</b> | Mercedes-Benz 628 500 39 00 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                             | <b>9462 702 495</b> | Mercedes-Benz 000 270 24 95 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                             | <b>9465 002 900</b> | Mercedes-Benz 628 500 29 00 |
| <b>Mercedes-Benz</b> Tourino (O 510)                               | <b>9463 500 000</b> | Mercedes-Benz 633 500 00 00 |
| <b>Solaris</b> Urbino III                                          | <b>7560 432 420</b> | Solaris 0120 432 420        |
| <b>Volvo</b> B10B                                                  | <b>6170 425 951</b> | Volvo 425951                |
| <b>Volvo</b> B12B                                                  | <b>6179 522 850</b> | Volvo 9522850               |
| <b>Volvo</b> B12B                                                  | <b>6178 130 186</b> | Volvo 20749399              |



**VICTOR REINZ**



**Oil cooler gasket**

This figure corresponds to 8022 052 350

| suitable for                                                                                                       | Order no.           | Comparative no.   |
|--------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Conecto (O 345), Travego (O 580)<br><b>Setra</b> S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH | <b>8002 532 768</b> | Reinz 70-38384-00 |
| <b>Setra</b> S 315/317/319 GT-HD, S 411/415 HD, S 415/417 HDH, S 431 DT                                            | <b>8022 052 350</b> | Reinz 71-34909-00 |



**Oil cooler gasket**

suitable for

Order no.

Setra S 411/415 HD, S 415/417 HDH, S 431 DT

1325 028 002

**Thermostat set**

for oil cooling

Scope of supply

with seal

| suitable for   | Opening temperature | Order no.                 |
|----------------|---------------------|---------------------------|
| Volvo B12B     | 60 °C               | <sup>1</sup> 6170 003 074 |
| Volvo B7L, B7R | 75 °C               | 6170 003 065              |

<sup>1</sup> for use in hot countries**Oil separator**

for crankshaft housing ventilation

Height 136 mm

Scope of supply

with sealing ring

| suitable for    | Order no.    | Comparative no.   |
|-----------------|--------------|-------------------|
| Setra S 416 HDH | 9750 050 005 | Hengst EAS500 M05 |

**Oil separator**

for crankcase ventilation

Outer Ø 83,5 mm

Inner Ø 53 mm

Height 70,5 mm

| suitable for                   | Order no.    | Comparative no.       |
|--------------------------------|--------------|-----------------------|
| Heuliez GX 117, 127            | 9750 104 111 | Hengst EAS304M D152-2 |
| Irisbus Arway, Crossway, Midys |              |                       |

**Oil separator**

for crankcase ventilation

Scope of supply

with seal

| suitable for               | Order no.    | Comparative no.   |
|----------------------------|--------------|-------------------|
| MAN Lion's Coach (R07)     | 5230 210 007 | MAN 51.01804-0024 |
| Neoplan Tourliner (N 2216) |              |                   |



### Oil pump

Version with drive gear  
Number of teeth 44

| suitable for                                                              | Order no.           |
|---------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408                         | <b>1911 009 707</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD |                     |

### Oil pump

| suitable for                     | Order no.           | Comparative no.                                                                           |
|----------------------------------|---------------------|-------------------------------------------------------------------------------------------|
| <b>Setra</b> S 315/317/319 GT-HD | <b>1902 208 533</b> | Mercedes-Benz 457 180 00 01<br>Mercedes-Benz 457 180 02 01<br>Mercedes-Benz 457 180 04 01 |



## VDO

### Oil pressure sensor

| suitable for                                                      | Order no.           | Comparative no.       |
|-------------------------------------------------------------------|---------------------|-----------------------|
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT | <b>9290 064 004</b> | VDO 360-081-064-004 C |



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## Hand feed pump for pre-charging with fuel

| suitable for                           | Order no.           | Comparative no.     |
|----------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic | <b>1911 046 183</b> | Bosch 2 447 010 020 |
| <b>Volvo</b> B7L                       | <b>3600 008 137</b> | Bosch 0 440 008 137 |



**Hand feed pump  
for fuel presupply**

This figure corresponds to 9172 400 250

| suitable for                                                                                                                                                                                                                              | Order no.           | Comparative no.                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|
| <b>MAN</b> Lion's City (A21), Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15)                                                                                                                                                | <b>5231 507 015</b> | Bosch 2 447 222 098<br>MAN 51.12150-7015                                                                   |
| <b>MAN</b> Lion's Coach, Lion's Star, NG (A11), NL (A10)<br><b>Mercedes-Benz</b> O 405 N, O 407, O 408<br><b>Neoplan</b> Centroliner (N 44XX)<br><b>Scania</b> K94/114/124, L94<br><b>Solaris</b> Urbino II/III<br><b>Volvo</b> B10B, B12 | <b>3600 022 847</b> | Bosch 2 447 010 045<br>MAN 81.12150-6012<br>Mercedes-Benz 000 090 88 50<br>Scania 1384501<br>Volvo 1199182 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408<br><b>Setra</b> S 315/317/319 GT-HD                                                                                                                                                            | <b>9172 400 250</b> | Bosch 0 440 011 007<br>Mercedes-Benz 000 091 16 90                                                         |
| <b>Scania</b> K124                                                                                                                                                                                                                        | <b>1325 392 988</b> | Scania 1539298                                                                                             |
| <b>Volvo</b> B10B, B10M                                                                                                                                                                                                                   | <b>6170 001 739</b> | Volvo 863474                                                                                               |
| <b>Volvo</b> B12                                                                                                                                                                                                                          | <b>6170 003 555</b> | Volvo 8148997                                                                                              |

## Hand feed pump for pre-charging with fuel

| suitable for                                                                                                                                                                                  | Order no.                        | Comparative no.   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------|
| <b>Irisbus</b> Citelis, Eurorider, Magelys HD<br><b>Iveco</b> CityClass                                                                                                                       | <b>2590 396 487</b>              | Irisbus 500396487 |
| <b>MAN</b> Lion's City (A20/A23), Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | <sup>1</sup> <b>5231 500 003</b> | MAN 51.12150-0003 |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)                                                                                  | <b>5231 500 004</b>              | MAN 51.12150-0004 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                                                                             | <b>5231 220 125</b>              | MAN 81.12201-0025 |

<sup>1</sup> with filter

## Repair kit for priming pump

| suitable for                                                                                                                     | Order no.           | Comparative no.   |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A21), Lion's Coach (R07), Lion's Regio (R12)<br><b>Neoplan</b> Centroliner (N 45XX), Trendliner (N 3516) | <b>5230 220 344</b> | MAN 51.12150-7027 |



Fuel pump

This figure corresponds to 5231 017 101

| suitable for                                                                 | Type          | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------|---------------|---------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                  | FP/KG24MW208  | <b>3600 017 042</b> | Bosch 0 440 017 042 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                  | FP/KG24P303/2 | <b>5231 017 101</b> | Bosch 0 440 008 173 |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516) |               |                     |                     |
| <b>Setra</b> S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                    |               |                     |                     |



Fuel pump

Pressure 9,5 bar

Thread M16 x 1,5

Connection left/right

Suction line connection Ø 16 mm

pressure output connection Ø 16 mm

| suitable for                | Order no.           | Comparative no.                |
|-----------------------------|---------------------|--------------------------------|
| <b>Volvo</b> B9L, B9R, B9TL | <b>5360 100 860</b> | ZF 8001 860<br>ZF 7018.955.153 |



## Repair kit

### for fuel pump

#### Scope of supply

fuel pre-filter, sealing washer, filter casing

| suitable for                                                                                                      | Order no.           | Comparative no.                                  |
|-------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------|
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Coach (R08), Lion's Regio (R13)                              | <b>9020 104 350</b> | MAN 51.12503-0062<br>Mercedes-Benz 000 090 07 51 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Intouro II                                                                |                     |                                                  |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                     |                                                  |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD                        |                     |                                                  |

## Seal

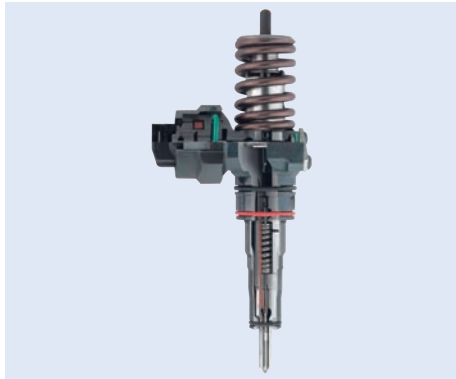
### for fuel pump

| suitable for             | Order no.           | Comparative no.   |
|--------------------------|---------------------|-------------------|
| <b>Irisbus</b> Eurorider | <b>2594 077 453</b> | Irisbus 504077453 |



## Unit injector

| suitable for                                                                                                                                                                                                                        | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Integro II (O 550),<br>Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | <b>3850 799 015</b> | Bosch 0 414 799 015 |



## Injection nozzle fitting

Opening pressure 220 bar

**Application range**  
2.-6. Cylinders

| suitable for                                                                                                                                                                          | Order no.                        | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, Tourismo I (O 350)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD | <b>1911 045 656</b>              | Bosch 0 432 131 781 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, Tourismo I (O 350)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD | <sup>1</sup> <b>1911 045 537</b> | Bosch 0 986 430 265 |

<sup>1</sup> in exchange



## Injection nozzle for diesel injection system

Version Common rail

| suitable for          | Order no.           | Comparative no.     |
|-----------------------|---------------------|---------------------|
| <b>Heuliez</b> GX 117 | <b>3600 120 007</b> | Bosch 0 445 120 007 |



## Injection nozzle

| suitable for          | Order no.           | Comparative no.     |
|-----------------------|---------------------|---------------------|
| <b>Fast</b> Scoler II | <b>1911 046 310</b> | Bosch 0 445 120 012 |



## Injection nozzle fitting in exchange

| suitable for                                     | Order no.           | Comparative no.     |
|--------------------------------------------------|---------------------|---------------------|
| <b>Fast</b> Scoler III (Euro 4)                  | <b>1911 103 945</b> | Bosch 0 986 435 526 |
| <b>MAN</b> Lion's City (A22), NG (A23), NL (A21) |                     |                     |
| <b>Neoplan</b> Trendliner (N 3516)               |                     |                     |
| <b>Temsa</b> Diamond                             |                     |                     |

## Injection nozzle fitting

| suitable for                                                                                                                                                     | Order no.           | Comparative no.             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Fast</b> Scoler III (Euro 4)                                                                                                                                  | <b>1911 045 866</b> | MAN 51.10100-6126           |
| <b>MAN</b> Lion's City (A22), NG (A23), NL (A21)                                                                                                                 |                     |                             |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                               |                     |                             |
| <b>Temsa</b> Diamond                                                                                                                                             |                     |                             |
| <b>MAN</b> NG (A11), NL (A10/A15)                                                                                                                                | <b>1911 045 887</b> | MAN 51.10102-0231           |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | <b>1911 045 882</b> | Mercedes-Benz 002 017 48 12 |

## Injection nozzle seal

|           |                       |
|-----------|-----------------------|
| Material  | FPM (fluoroelastomer) |
| Thickness | 2,5 mm                |
| Form      | O-ring                |

| suitable for                                                                                                             | Outer Ø | Inner Ø | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------|---------|---------|---------------------|
| <b>Setra</b> S 315 GT, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT | 52 mm   | 47 mm   | <b>8002 533 720</b> |
| <b>Setra</b> S 315 GT, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT | 50 mm   | 45 mm   | <b>8002 533 721</b> |


**VICTOR REINZ**


### O-ring

|           |       |
|-----------|-------|
| Outer Ø   | 27 mm |
| Inner Ø   | 21 mm |
| Thickness | 3 mm  |
| Material  | FPM   |

| suitable for                                                                                           | Order no.           |
|--------------------------------------------------------------------------------------------------------|---------------------|
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | <b>8002 047 253</b> |



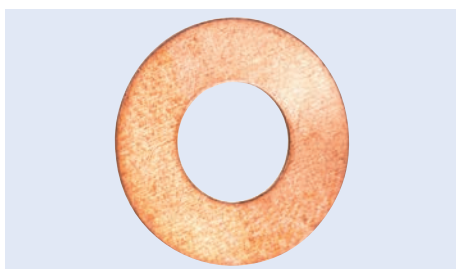

**VICTOR REINZ**


### Nozzle fitting sealing ring

Outer Ø 20 mm  
Inner Ø 9,5 mm  
Height 1 mm

**suitable for**
**Order no.**
**MAN** EL (A12), NG (A11), NL (A10/A15)

**8029 314 780**
**Mercedes-Benz** O 405

**Setra** S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD,  
S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL


### Nozzle fitting sealing ring

**suitable for**
**Order no.**
**MAN** EL (A12), NG (A11), NL (A10/A15)

**5821 997 091**

### Sleeve

**for nozzle holder**
**suitable for**
**Order no.**
**Comparative no.**
**Volvo** B12

**1325 210 316**
**Volvo 470247**

### Sleeve

**for nozzle holder**

Outer Ø 12/24/25 mm

Inner Ø 22 mm

Length 15,6/87,5 mm

**suitable for**
**Order no.**
**Volvo** B10B, B10M

**6170 210 315**

**BOSCH**

### Temperature sensor

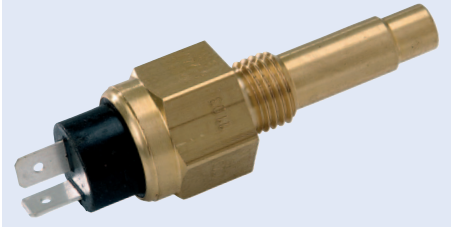
**for fuel**
**suitable for**
**Order no.**
**Comparative no.**
**MAN** NL (A10)

**3600 002 011**
**Bosch 0 281 002 011**

### Temperature sensor

**for fuel**
**suitable for**
**Order no.**
**Irisbus** Agora, Citelis

**2590 095 152**
**Iveco** CityClass



(illustration similar)

## Temperature sensor for fuel

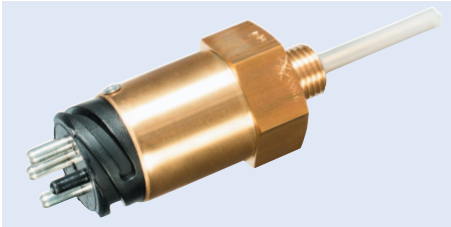
Connection 2-pin  
Thread M14 x 1,5

| suitable for                                                                                              | Order no.           |
|-----------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Cito (O 520)                                                                         | <b>6170 461 828</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF,<br>S 313/315/317 UL, S 315/319 UL-GT, SG 321 UL |                     |

## Filling level sensor

Length 835 mm  
Tank contents 360 l

| suitable for             | Order no.           |
|--------------------------|---------------------|
| <b>Irisbus</b> Eurorider | <b>2595 631 049</b> |



## Filling level sensor

| suitable for                                | Order no.           |
|---------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>1325 037 012</b> |

## Filling level sensor

| suitable for     | Length | Tank contents | Order no.           |
|------------------|--------|---------------|---------------------|
| <b>Volvo</b> B9R | 475 mm | 300 l         | <b>6170 351 767</b> |
| <b>Volvo</b> B9R | 435 mm | 150 l         | <b>6170 351 779</b> |



## Pressure control valve

| suitable for          | Order no.           | Comparative no.     |
|-----------------------|---------------------|---------------------|
| <b>Heuliez</b> GX 117 | <b>1911 430 503</b> | Bosch 0 928 400 481 |
| <b>Irisbus</b> Midys  |                     |                     |



**EURO  
PART**  
Flywheel

This figure corresponds to 9060 060 000

| suitable for                                                                                                                                                                                                          | Ø      | Scope of supply                | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R12)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 430 mm | <sup>1</sup>                   | <b>5230 000 227</b> |
| <b>MAN</b> Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                           | 430 mm |                                | <b>9751 601 063</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Integro II (O 550), Tourismo II<br><b>Setra</b> S 315 GT, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415/419 UL                                            | 430 mm | with gear rim                  | <b>9460 300 605</b> |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)                                                                                                                                                                      | 395 mm |                                | <b>9460 303 005</b> |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                                                                     | 430 mm | with race and starter sprocket | <b>1911 301 805</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL           | 430 mm | <sup>1</sup>                   | <b>9060 060 000</b> |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                                                                                     | 430 mm | <sup>1</sup>                   | <b>9060 100 050</b> |

<sup>1</sup> for EDC (Efficient Dual Clutch)

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**SACHS**  
**Flywheel**  
Ø 430 mm

This figure corresponds to 9751 601 062

| suitable for                                                                                                                           | Scope of supply                                 | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Eurorider, Magelys HD/Pro                                                                                               | with external ring gear,<br>without thrust ring | <b>9750 601 067</b> | Sachs 3421 601 067 |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07),<br>Lion's Regio (R12)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516) | with external ring gear and<br>thrust ring      | <b>9750 601 047</b> | Sachs 3421 601 047 |
| <b>MAN</b> Lion's Coach (R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122)                                                  | with external ring gear,<br>without thrust ring | <b>9751 601 062</b> | Sachs 3421 601 062 |
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>Integro II (O 550), Tourismo II<br><b>Setra</b> S 415/419 UL                                | with external ring gear and<br>thrust ring      | <b>9750 001 078</b> | Sachs 3421 601 050 |
| <b>Scania</b> K114, L94                                                                                                                | with external ring gear,<br>without thrust ring | <b>9750 001 018</b> | Sachs 3421 601 042 |
| <b>Scania</b> K380                                                                                                                     | with external ring gear,<br>without thrust ring | <b>9750 001 022</b> | Sachs 3421 601 058 |
| <b>Scania</b> K94                                                                                                                      | with external ring gear,<br>without thrust ring | <b>9750 601 057</b> | Sachs 3421 601 057 |



**SACHS**  
**Dual mass flywheel**  
Parameter 430Z  
Ø 430 mm

**Scope of supply**  
with mounting screws

| suitable for                                               | Order no.           | Comparative no.    |
|------------------------------------------------------------|---------------------|--------------------|
| <b>Neoplan</b> Euroliner (N 33XX)<br><b>Setra</b> S 411 HD | <b>9754 000 008</b> | Sachs 6594 000 080 |



**Flywheel**  
Ø 430 mm

| suitable for                    | Order no.           |
|---------------------------------|---------------------|
| <b>Neoplan</b> Skyliner (2011-) | <b>9060 100 051</b> |
| <b>Volvo</b> B12, B12B, B12R    | <b>1910 014 645</b> |
| <b>Volvo</b> B12, B12B, B12R    | <b>6178 170 798</b> |

(Illustration similar)



### Fastening set for flywheel

#### Scope of supply

1 axial seal (outside Ø 140 mm), 1 race (outside Ø 120 mm), 1 pilot bearing (outside Ø 62 mm), 10 bolts M16 x1,5

#### suitable for

**Mercedes-Benz** Citaro II (O 530), Conecto I (O 345), Integro II (O 550), O 405 N, O 407, O 408, Tourismo I (O 350), Travego I (O 580)

**Setra** S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 417 UL

#### Order no.

**9060 000 103**



### Attachment screw for flywheel

| suitable for                                                                                                            | Thread    | Length | Property class | Fig. | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------|-----------|--------|----------------|------|---------------------|
| <b>Scania</b> K94                                                                                                       | M14       | 35 mm  | 10.9           | 1    | <b>3032 012 631</b> |
| <b>MAN</b> Lion's Coach (R08), Lion's Regio (R13)                                                                       | M16 x 1,5 | 81 mm  | 12.9           | 2    | <b>5231 224 946</b> |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |           |        |                |      |                     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Intouro II, Tourino (O 510)                                                      | M14 x 1,5 | 60 mm  | 10.9           | 3    | <b>6173 572 300</b> |
| <b>Setra</b> S 415 NF                                                                                                   |           |        |                |      |                     |



### Attachment screw for flywheel

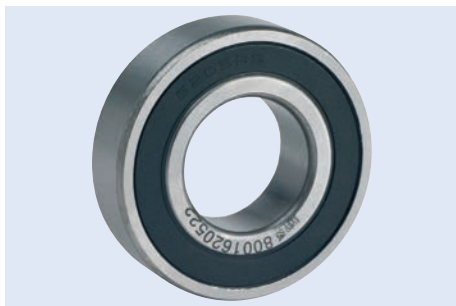
Outer thread M16 x 1,5

| suitable for                                                                                       | Length | Property class | Fig. | Order no.           |
|----------------------------------------------------------------------------------------------------|--------|----------------|------|---------------------|
| <b>Scania</b> K114/124/380, L94                                                                    | 90 mm  | 10.9           | 1    | <b>1325 006 395</b> |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Integro II (O 550), O 405 N, O 408 | 85 mm  | 10.9           | 2    | <b>9461 320 171</b> |
| <b>Setra</b> S 415 NF, S 417 UL                                                                    |        |                |      |                     |
| <b>MAN</b> Lion's City (A20), Lion's Classic Ü (A72), Lion's Coach (R07/R08), NG (A23)             | 75 mm  | 12.9           | 3    | <b>5230 224 925</b> |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)                       |        |                |      |                     |



## Sprocket

| suitable for                                                                                                | Order no.           |
|-------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, EL, ND, NG, NL, NM, SÜ, ÜL | <b>1911 043 336</b> |
| <b>Neoplan</b> Centroliner (N 44XX)                                                                         |                     |



## Guide bearing for flywheel

This figure corresponds to 8001 620 522

| suitable for                          | Type      | Height | Inner Ø | Outer Ø | Order no.           |
|---------------------------------------|-----------|--------|---------|---------|---------------------|
| <b>Irisbus</b> Arway, Récréo II       | 6205-2RS1 | 15 mm  | 25 mm   | 52 mm   | <b>8001 620 522</b> |
| <b>MAN</b> Lion's Classic Ü (A72)     | 6005-2RS1 | 12 mm  | 25 mm   | 47 mm   | <b>8001 600 522</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530) | 6304-2Z   | 15 mm  | 20 mm   | 52 mm   | <b>8001 630 423</b> |



## Guide bearing for flywheel

This figure corresponds to 9750 810 425

| suitable for                            | Height | Inner Ø | Outer Ø | Order no.           | Comparative no.    |
|-----------------------------------------|--------|---------|---------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530)   | 13 mm  | 30 mm   | 55 mm   | <b>9750 810 425</b> | Sachs 1863 869 040 |
| <b>Volvo</b> B9R, B10B, B12, B12B, B12R | 19 mm  | 30 mm   | 72 mm   | <b>9750 012 779</b> | Sachs 1863 869 037 |



## Guide bearing for flywheel

| suitable for                        | Order no.           | Comparative no. |
|-------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 405 N, O 408 | <b>9460 232 844</b> | SKF VKM18501I   |





### Guide bearing for flywheel

Height 19 mm  
Inner Ø 25 mm  
Outer Ø 72 mm

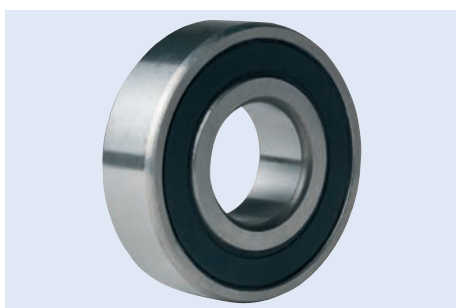
| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B10B   | 9990 000 354 | Volvo 1652989   |



### Guide bearing for flywheel

This figure corresponds to 8002 546 485

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Height | Inner Ø | Outer Ø | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, EL (A12), ND, NG (A11), NL (A10/A15)<br><b>Scania</b> K114                                                                                                                                                                                                                                                                                                                                                                                                       | 17 mm  | 25 mm   | 62 mm   | <b>6421 477 243</b> |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Integro II (O 550),<br>O 405 N, O 407, O 408, Tourismo I/II (O 350), Travego I/II (O 580)<br><b>Neoplan</b> Cityliner (N 12XX)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH,<br>S 431 DT, S 415/416/417 GT-HD, S 416 GT-HD/2, S 417/419 UL | 24 mm  | 25 mm   | 62 mm   | <b>8002 546 485</b> |



### Guide bearing for flywheel

Version single-row  
Standard DIN 625

(Illustration similar)

| suitable for                                                                                                                                                                                                                                                                                                  | Type      | Inner Ø | Outer Ø | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|---------|---------------------|
| <b>Irisbus</b> Eurorider, Magelys HD/Pro                                                                                                                                                                                                                                                                      | 6305 ZZ   | 17 mm   | 62 mm   | <b>2300 015 166</b> |
| <b>MAN</b> Lion's City (A20), Lion's Classic Ü (A72), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), EL (A12), NG (A11), NL (A10/A15)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)<br><b>Scania</b> K94/114/124/380, L94 | 6305 2RS1 | 25 mm   | 62 mm   | <b>8001 630 520</b> |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                                                                                                                                                                             | 6005 2Z   | 25 mm   | 47 mm   | <b>2300 015 014</b> |



## Clutch kit in exchange

Ø 430 mm

| suitable for                                                                                                                                                                                                                                           | Order no.                        | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------|
| <b>MAN</b> Lion's Coach (RH 463/464), Lion's Star (RHB 464)<br><b>Neoplan</b> Starliner (N 52XX)                                                                                                                                                       | <b>9735 003 209</b>              | LuK 643 3209 00 |
| <b>MAN</b> Lion's Coach (RH 463), Lion's Star (RH 464)<br><b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216)                                                                                                                    | <b>9735 003 308</b>              | LuK 643 3308 00 |
| <b>MAN</b> Lion's Star (RH 414)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                                                                                                                               | <b>9735 003 217</b>              | LuK 643 3217 00 |
| <b>MAN</b> Lion's Star (RH 414)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                                                          | <b>9735 003 303</b>              | LuK 643 3303 00 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourismo II, Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL,<br>S 411/415 HD, S 416/417 HDH, S 415/416/417 GT-HD, S 415/417/419 UL | <sup>2</sup> <b>9735 003 315</b> | LuK 643 3315 00 |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                                                                                                           | <b>9765 008 029</b>              | LuK 643 3389 00 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                                                                                                                                                                  | <sup>1</sup> <b>9735 003 316</b> | LuK 643 3316 00 |
| <b>Scania</b> K380                                                                                                                                                                                                                                     | <b>9735 003 290</b>              | LuK 643 3290 00 |
| <b>Scania</b> K380                                                                                                                                                                                                                                     | <b>9735 003 301</b>              | LuK 643 3301 00 |
| <b>Scania</b> K380                                                                                                                                                                                                                                     | <b>9735 003 291</b>              | LuK 643 3291 00 |
| <b>Scania</b> K380                                                                                                                                                                                                                                     | <b>9735 003 294</b>              | LuK 643 3294 00 |
| <b>Setra</b> S 315 GT                                                                                                                                                                                                                                  | <b>9735 003 490</b>              | LuK 643 3179 00 |
| <b>Setra</b> S 315 HD, S 315 HDH, S 315 GT, S 315 GT-HD, S 315/319 NF,<br>S 313/315/319 UL                                                                                                                                                             | <b>9735 003 365</b>              | LuK 643 3365 00 |
| <b>Volvo</b> B10B, B10M, B12                                                                                                                                                                                                                           | <sup>1</sup> <b>9735 002 981</b> | LuK 643 2981 00 |
| <b>Volvo</b> B12                                                                                                                                                                                                                                       | <sup>1</sup> <b>9735 003 318</b> | LuK 643 3318 09 |
| <b>Volvo</b> B7, B7R                                                                                                                                                                                                                                   | <sup>1</sup> <b>9735 003 183</b> | LuK 643 3183 00 |
| <b>Volvo</b> B9, B12                                                                                                                                                                                                                                   | <sup>1</sup> <b>9735 003 211</b> | LuK 643 3211 00 |
| <b>Volvo</b> B9R, B12                                                                                                                                                                                                                                  | <sup>1</sup> <b>9735 003 324</b> | LuK 643 3324 09 |

<sup>1</sup> without release bearing

<sup>2</sup> SmarTAC, with automatic readjustment



## Coupling pressure plate

Ø 430 mm

| suitable for                                                                                                                                                                                                  | Parameter | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|-----------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                                                                | ZBFO430   | <b>9736 001 210</b> | LuK 143 0312 10 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | ZBFB430   | <b>9736 003 910</b> | LuK 143 0347 10 |
| <b>Scania</b> K94/114/124, L94                                                                                                                                                                                | ZBFO430   | <b>8000 025 320</b> | LuK 143 0253 20 |



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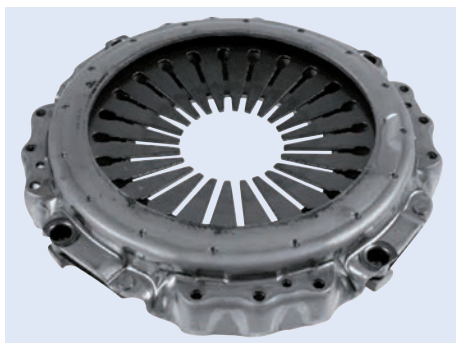
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**SACHS**  
Coupling pressure plate

This figure corresponds to 9270 083 042

| suitable for                                                                                                                           | Parameter | Order no.                        | Comparative no.    |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------|--------------------|
| <b>MAN</b> Lion's Classic Ü (A72)<br><b>Neoplan</b> Cityliner (N 12XX)                                                                 | MFZ430    | <sup>1</sup> <b>9270 083 032</b> | Sachs 3482 083 032 |
| <b>MAN</b> Lion's Classic Ü (A72)<br><b>Neoplan</b> Jetliner (N 214, N 216)                                                            | GMFZ430   | <sup>1</sup> <b>9270 062 035</b> | Sachs 3482 062 035 |
| <b>MAN</b> Lion's Coach (R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX),<br>Tourliner (N 2216) | MFZ430    | <sup>1</sup> <b>9270 000 246</b> | Sachs 3482 000 246 |
| <b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Setra</b> S 309 HD                                                                        | MFZ430    | <sup>1</sup> <b>9276 081 232</b> | Sachs 3482 081 232 |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)                                                                                       | MF395     | <sup>1</sup> <b>9271 238 330</b> | Sachs 3482 000 463 |
| <b>Mercedes-Benz</b> O 407, O 408<br><b>VDL</b> Bova Futura                                                                            | GMF430    | <sup>1</sup> <b>9271 301 240</b> | Sachs 3482 124 522 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Setra</b> S 309 HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT,<br>SG 321 UL        | MFZ430    | <sup>1</sup> <b>9271 081 231</b> | Sachs 3482 081 231 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Setra</b> S 431 DT                                                                       | MFZ430    | <b>9202 504 004</b>              | Sachs 3482 000 852 |
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 417 HDH                                                                 | MFZ430    | <sup>1</sup> <b>9270 509 904</b> | Sachs 3482 000 851 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                      | MFZ430    | <b>9750 305 923</b>              | Sachs 3482 000 968 |
| <b>Scania</b> K380                                                                                                                     | MFZ430    | <sup>1</sup> <b>9750 002 364</b> | Sachs 3482 000 999 |
| <b>Scania</b> K94/114/124, L94                                                                                                         | MFZ430    | <sup>1</sup> <b>9270 083 150</b> | Sachs 3482 083 150 |
| <b>Volvo</b> B10B                                                                                                                      | MFZ400X   | <b>9759 822 032</b>              | Sachs 3483 022 032 |
| <b>Volvo</b> B10B, B12, B12B, B12R                                                                                                     | MFZ430    | <sup>1</sup> <b>9270 083 042</b> | Sachs 3482 123 234 |
| <b>Volvo</b> B13R                                                                                                                      | MF430     | <sup>1</sup> <b>9750 002 535</b> | Sachs 3482 000 553 |
| <b>Volvo</b> B5LH, B9R, B12B                                                                                                           | MF430     | <b>9750 002 539</b>              | Sachs 3482 000 552 |
| <b>Volvo</b> B7, B10B, B12                                                                                                             | MFZ400X   | <sup>1</sup> <b>9270 101 032</b> | Sachs 3482 101 032 |
| <b>Volvo</b> B7, B9, B10, B12                                                                                                          | MFZ430    | <sup>1</sup> <b>9270 020 037</b> | Sachs 3483 034 033 |

<sup>1</sup> in exchange

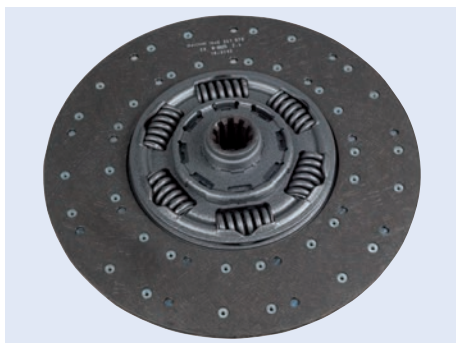


## Clutch plate

| suitable for                                                                                                                                                                                                        | Parameter | Order no.                        | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------|-----------------|
| <b>MAN</b> Lion's Classic Ü (A72)<br><b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 430TZFV   | <sup>1</sup> <b>8000 006 510</b> | LuK 343 0065 10 |
| <b>Scania</b> K94/114/124, L94                                                                                                                                                                                      | 430TZFV   | <b>9736 006 893</b>              | LuK 343 0203 10 |

<sup>1</sup> in exchange





**SACHS**  
Clutch plate

This figure corresponds to 9270 226 131

| suitable for                                                                                                                                                                                                                                                                      | Parameter | Order no.                        | Comparative no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------|--------------------|
| <b>MAN</b> Lion's Classic Ü (A72)<br><b>Mercedes-Benz</b> O 404<br><b>Setra</b> S 309 HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                                                                                              | WGTZ430   | <sup>1</sup> <b>9270 226 131</b> | Sachs 1878 080 031 |
| <b>MAN</b> Lion's Classic Ü (A72)<br><b>Neoplan</b> Cityliner (N 12XX)                                                                                                                                                                                                            | WGTZ430   | <sup>1</sup> <b>9270 080 035</b> | Sachs 1878 634 028 |
| <b>MAN</b> Lion's Coach (R07)<br><b>Mercedes-Benz</b> Citaro I (O 530), O 404, Tourismo I (O 350), Travego I (O 580)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD | WGTZ430   | <sup>1</sup> <b>9270 080 037</b> | Sachs 1878 080 037 |
| <b>MAN</b> Lion's Coach (R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216)                                                                                                                                               | WGTZ430   | <sup>1</sup> <b>9278 004 104</b> | Sachs 1878 004 104 |
| <b>MAN</b> Lion's Regio (R12)<br><b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Setra</b> S 315/317/319 GT-HD                                                                                                                                                                      | WGTZ430   | <sup>1</sup> <b>9270 037 844</b> | Sachs 1878 080 034 |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)                                                                                                                                                                                                                                  | WGTZ395   | <b>9270 806 173</b>              | Sachs 1878 006 173 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                                                                                                                                        | WGTZ420   | <sup>1</sup> <b>9270 374 003</b> | Sachs 1878 003 662 |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                                                                                                                                 | WGTZ420   | <sup>1</sup> <b>9270 639 107</b> | Sachs 1861 639 148 |
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 417 HDH                                                                                                                                                                                                            | WGTZ430   | <sup>1</sup> <b>9202 507 303</b> | Sachs 1878 005 540 |
| <b>Setra</b> S 431 DT                                                                                                                                                                                                                                                             | WGTPZ430  | <b>9202 503 003</b>              | Sachs 1878 004 494 |
| <b>Volvo</b> B10B                                                                                                                                                                                                                                                                 | WGTZ400   | <sup>1</sup> <b>9270 003 779</b> | Sachs 1878 003 779 |
| <b>Volvo</b> B10B, B12, B12B, B12R                                                                                                                                                                                                                                                | WGTZ430   | <sup>1</sup> <b>9270 298 031</b> | Sachs 1878 002 733 |
| <b>Volvo</b> B12B, B12R                                                                                                                                                                                                                                                           | WGTZ430   | <sup>1</sup> <b>9270 000 634</b> | Sachs 1878 000 634 |
| <b>Volvo</b> B13R                                                                                                                                                                                                                                                                 | WGTZ430   | <sup>1</sup> <b>9758 003 868</b> | Sachs 1878 006 129 |
| <b>Volvo</b> B5LH                                                                                                                                                                                                                                                                 | WGTZ430   | <b>9752 165 742</b>              | Sachs 1878 006 584 |
| <b>Volvo</b> B5LH, B9R, B12B                                                                                                                                                                                                                                                      | WGTZ430   | <b>9750 002 297</b>              | Sachs 1878 003 867 |

<sup>1</sup> in exchange

*Clutch programming with the service units on pages 624 and 625.*

*You'll find ergonomic clutch centering tools on page 660.*

*Example of Mercedes-Benz clutch initialisation  
using the Axone service unit.*





### Central release mechanism

Parameter PHIS-6/38

| suitable for                       | Order no.           | Comparative no. |
|------------------------------------|---------------------|-----------------|
| <b>Volvo</b> B5LH, B9R, B12B, B13R | <b>9305 176 610</b> | LuK 510 0168 10 |



### Clutch releaser

Parameter KZISZ-5

This figure corresponds to 9765 002 997

| suitable for                                                                                                      | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider, Domino                                                                                  | <b>9765 002 997</b> | LuK 500 1171 10 |
| <b>MAN</b> Lion's Regio (R12)                                                                                     |                     |                 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Tourliner (N 2216)                                           |                     |                 |
| <b>Setra</b> S 431 DT                                                                                             |                     |                 |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R13), EL (A12)                           | <b>9305 172 510</b> | LuK 500 0525 10 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                            |                     |                 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                     |                 |
| <b>Setra</b> S 415/416 HDH                                                                                        |                     |                 |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)                                                                  | <b>9765 006 201</b> | LuK 500 0806 20 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                        | <b>8001 010 920</b> | LuK 500 0109 20 |
| <b>Scania</b> K124/380                                                                                            | <b>9305 171 255</b> | LuK 500 1158 10 |

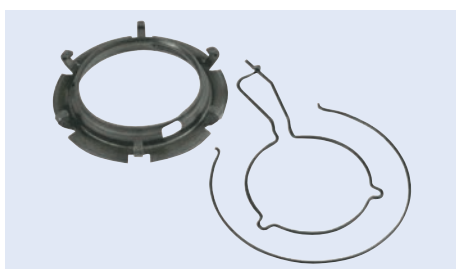




**SACHS**  
Clutch releaser

This figure corresponds to 9273 151 273

| suitable for                                                                                                                                                                     | Parameter | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|--------------------|
| <b>Irisbus</b> Arway, Eurorider, Magelys HD/Pro, Récréo II                                                                                                                       | KZISZ-5   | <b>9270 250 231</b> | Sachs 3151 250 231 |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R13), EL (A12)                                                                                          | KZISZ-5   | <b>9270 225 031</b> | Sachs 3151 225 031 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                                                           |           |                     |                    |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                                                |           |                     |                    |
| <b>Setra</b> S 415/416 HDH                                                                                                                                                       |           |                     |                    |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R13), EL (A12)                                                                                              | KZISZ-5   | <b>9273 169 131</b> | Sachs 3151 000 034 |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                                                                           |           |                     |                    |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), O 404                                                                                                                  | KZIZ-5    | <b>9273 245 031</b> | Sachs 3151 245 031 |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                              |           |                     |                    |
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Integro II (O 550), Turismo I/II (O 350), Travego I/II (O 580)                                                        | KZIZ-5    | <b>9273 151 273</b> | Sachs 3151 273 731 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                       |           |                     |                    |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT, S 415/416 GT-HD, S 415/417/419 UL |           |                     |                    |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                                | KZI-4,5   | <b>9273 126 031</b> | Sachs 3151 126 031 |
| <b>Mercedes-Benz</b> O 408                                                                                                                                                       | KZI-4,5   | <b>9273 108 031</b> | Sachs 3151 108 031 |
| <b>Scania</b> K94/114/124, L94                                                                                                                                                   | HHISZ-4   | <b>9270 006 231</b> | Sachs 3182 009 938 |
| <b>Volvo</b> B10B, B12                                                                                                                                                           | KZIZ-5    | <b>9270 002 112</b> | Sachs 3100 026 433 |
| <b>Volvo</b> B12B, B12R                                                                                                                                                          | KZIZ-5    | <b>9270 026 434</b> | Sachs 3100 026 434 |
| <b>Volvo</b> B7, B10B, B12                                                                                                                                                       | KZIZ-5    | <b>9753 192 294</b> | Sachs 3100 002 549 |



**Repair kit  
for release bearing**

Version long clip

| suitable for                                          | Order no.           |
|-------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12) | <b>9273 496 006</b> |



## Release fork

This figure corresponds to 6031 737 306

| suitable for                                                                                                                                                                                                                              | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R13)<br><b>Neoplan</b> Centroliner (N 45XX), Trendliner (N 3516)                                                                                                     | <b>5235 600 063</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12)<br><b>Mercedes-Benz</b> Travego I (O 580)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216)<br><b>Setra</b> S 416 HDH, S 431 DT | <b>5231 266 918</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Integro II (O 550), Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 411/415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417 UL                                               | <b>1325 050 813</b> |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                                                                                         | <b>5821 254 708</b> |
| <b>Scania</b> K124                                                                                                                                                                                                                        | <b>6031 737 306</b> |
| <b>Scania</b> K380                                                                                                                                                                                                                        | <b>8000 004 821</b> |
| <b>Volvo</b> B10B, B12                                                                                                                                                                                                                    | <b>6171 667 058</b> |
| <b>Volvo</b> B10B, B12B, B12R                                                                                                                                                                                                             | <b>1325 092 250</b> |



## Clutch master cylinder

| suitable for                                                                              | Connection | Bore hole Ø | Stroke | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------|------------|-------------|--------|---------------------|-----------------|
| <b>Fast</b> Scoler III, Syter<br><b>MAN</b> Lion's Classic Ü (A72)<br><b>Temsa</b> Safari | M14 x 1,5  | 24 mm       | 36 mm  | <b>3400 045 290</b> | Knorr 623160AM  |
| <b>Irisbus</b> Arès, Arway, Arway LE, Crossway LE, Evadys, Iliade, Magelys, Récréo        | 1/2" UNF   | 27 mm       | 31 mm  | <b>3400 623 104</b> | Knorr 623104AM  |



## Clutch master cylinder

Version servo

| suitable for                   | Order no.           | Comparative no. |
|--------------------------------|---------------------|-----------------|
| <b>Scania</b> K94/114/124, L94 | <b>3400 629 683</b> | Knorr 629683AM  |



Clutch master cylinder

This figure corresponds to 3500 006 454

| suitable for                                                                                                                                                     | Order no.           | Comparative no.   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>Fast</b> Scoler I                                                                                                                                             | <b>3500 006 374</b> | FTE KG2397.1.15   |
| <b>Irisbus</b> Eurorider                                                                                                                                         | <b>1100 490 261</b> | FTE KG2604.1.3    |
| <b>MAN</b> Lion's Coach (R07)                                                                                                                                    | <b>5237 156 154</b> | FTE MKG23852.4.3  |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                                |                     |                   |
| <b>MAN</b> Lion's Regio (R13)                                                                                                                                    | <b>3892 385 211</b> | FTE MKG23852.1.1  |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                               |                     |                   |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404                                                                                                                    | <b>3500 003 330</b> | FTE KG 23 028.0.1 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                                                                       | <b>3952 200 678</b> | FTE KG23028.0.1   |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                | <b>3500 000 440</b> | FTE KG340102      |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                             | <b>3500 002 000</b> | FTE KG22019.1.1   |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                          | <b>3500 006 268</b> | FTE KG22023.0.2   |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL |                     |                   |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                       | <b>1100 561 532</b> | FTE MKG22852.1.2  |
| <b>Volvo</b> B10B, B10M, B12                                                                                                                                     | <b>3500 003 350</b> | FTE KG28014.1.1   |
| <b>Volvo</b> B12B, B12R                                                                                                                                          | <b>3500 006 454</b> | FTE KG28012.0.1   |



Clutch master cylinder

This figure corresponds to 3500 002 085

| suitable for                                                                                                                                                                                  | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo II, Travego I (O 580)                                                                                                                       | <b>3500 002 085</b> |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 417/419 UL |                     |
| <b>Scania</b> K380                                                                                                                                                                            | <b>1325 013 181</b> |
| <b>Volvo</b> B12B, B12R                                                                                                                                                                       | <b>6171 628 218</b> |



This figure corresponds to 3400 158 740



### Clutch actuator

| suitable for                                                            | Order no.           | Comparative no.  |
|-------------------------------------------------------------------------|---------------------|------------------|
| <b>Irisbus</b> Eurorider                                                | <b>3400 158 740</b> | Knorr K015874N50 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12)                   |                     |                  |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Tourliner (N 2216) |                     |                  |
| <b>Mercedes-Benz</b> Travego I (O 580)                                  | <b>3400 501 450</b> | Knorr K025014N50 |
| <b>Setra</b> S 416 HDH, S 431 DT                                        |                     |                  |



### Clutch slave cylinder

|                      |           |
|----------------------|-----------|
| Length of piston rod | 129,5 mm  |
| Bore hole Ø          | 38,1 mm   |
| Material             | aluminium |

| suitable for       | Order no.           | Comparative no. |
|--------------------|---------------------|-----------------|
| <b>Scania</b> K124 | <b>6031 754 943</b> | FTE KN38017.3.5 |



### Clutch slave cylinder

|             |          |
|-------------|----------|
| Bore hole Ø | 31,75 mm |
|-------------|----------|

| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 407, O 408 | <b>3500 001 790</b> | FTE KN3194C1    |



### Clutch servo

This figure corresponds to 0730 511 770

| suitable for                                                                                         | Operating pressure | Stroke | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------|--------------------|--------|---------------------|---------------------|
| <b>Irisbus</b> Arès, Arway LE, Axer, Evadys, Iliade, New Domino, Récréo                              | max. 10 bar        | 75 mm  | <b>0730 514 220</b> | WABCO 970 051 422 0 |
| <b>Irisbus</b> Arès, Iliade                                                                          | max. 10 bar        | 23 mm  | <b>3800 512 160</b> | WABCO 970 051 216 0 |
| <b>Irisbus</b> Arway, Arway LE, Crossway LE, Eurorider, Evadys, Magelys, New Domino, Récréo II       | max. 10 bar        | 25 mm  | <b>0730 514 380</b> | WABCO 970 051 438 0 |
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo II, Travego I (O 580)                               | max. 10 bar        | 85 mm  | <b>3800 514 540</b> | WABCO 970 051 454 0 |
| <b>Setra</b> S 411/415 HD, S 416 HDH, S 431 DT, S 415/416/417 GT-HD, S 416 GT-HD/2, S 415/417/419 UL |                    |        |                     |                     |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)                                                     | max. 10 bar        | 60 mm  | <b>0730 511 900</b> | WABCO 970 051 190 0 |

Continued on the next page ...

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| suitable for                                                                                                                                                       | Operating pressure | Stroke  | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                  | max. 8 bar         |         | <b>0290 121 000</b> | WABCO 462 012 100 0 |
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 417 HDH, S 431 DT                                                                                   | max. 10 bar        | 69,5 mm | <b>9462 500 062</b> | WABCO 970 150 001 0 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216),<br>Trendliner (N 3516)                                                                                      | max. 10 bar        | 85 mm   | <b>0730 514 410</b> | WABCO 970 051 441 0 |
| <b>Scania</b> K114                                                                                                                                                 | max. 10 bar        | 30 mm   | <b>0640 100 010</b> | WABCO 974 010 001 0 |
| <b>Setra</b> S 309 HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL                                                                               | max. 10 bar        | 85 mm   | <b>0730 511 770</b> | WABCO 970 051 183 0 |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317/319<br>GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319<br>UL-GT, SG 321 UL                                      | max. 10 bar        | 85 mm   | <b>0730 514 360</b> | WABCO 970 051 436 0 |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3,<br>S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319<br>NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | max. 10 bar        | 85 mm   | <b>0730 511 760</b> | WABCO 970 051 176 0 |

**WABCO****Clutch servo  
in exchange**

Operating pressure max. 10 bar

This figure corresponds to 0730 514 057

| suitable for                                                                                                                                     | Stroke | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------|---------------------|
| <b>Fast</b> Scoler III, Syter                                                                                                                    | 85 mm  | <b>0730 511 577</b> | WABCO 970 051 157 7 |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                |        |                     |                     |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                       |        |                     |                     |
| <b>Temsa</b> Safari, Tourmalin                                                                                                                   |        |                     |                     |
| <b>Irisbus</b> Arès, Iliade                                                                                                                      | 58 mm  | <b>0730 511 240</b> | WABCO 970 051 124 7 |
| <b>Irisbus</b> Arway, Arway LE, Crossway LE, Eurorider, Evadys, Magelys,<br>New Domino, Récréo II                                                | 25 mm  | <b>0730 514 157</b> | WABCO 970 051 438 7 |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R13)                                                                                                | 85 mm  | <b>0730 514 120</b> | WABCO 970 051 412 7 |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                                           |        |                     |                     |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350), Travego I (O 580)                                                                    | 85 mm  | <b>0730 514 057</b> | WABCO 970 051 431 7 |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT |        |                     |                     |

**KNORR-BREMSE****Clutch servo**

| suitable for                 | Order no.           | Comparative no.    |
|------------------------------|---------------------|--------------------|
| <b>Scania</b> K380           | <b>8000 178 631</b> | Knorr 1000178631AM |
| <b>Volvo</b> B9R, B12B, B12R | <b>2127 006 459</b> | Knorr 629277AM     |

This figure corresponds to 8000 178 631



### Clutch servo

Stroke 70 mm

| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B12    | 6170 000 300 | Volvo 1671953   |



### WABCO

#### Repair kit for clutch booster

| suitable for                    | Order no.    | Comparative no.     |
|---------------------------------|--------------|---------------------|
| Iveco CityClass                 | 0371 230 002 | WABCO 472 123 000 2 |
| Iveco CityClass                 | 0379 000 062 | WABCO 472 900 006 2 |
| Iveco CityClass                 | 0283 159 152 | WABCO 461 315 915 2 |
| Iveco CityClass<br>MAN NL (A10) | 0390 150 012 | WABCO 475 015 001 2 |

This figure corresponds to 0390 150 012

### WABCO

#### Sensor for clutch booster

| suitable for              | Order no.    | Comparative no.     |
|---------------------------|--------------|---------------------|
| Setra S 415/416/417 GT-HD | 0211 005 312 | WABCO 441 100 531 2 |

### Shift cylinder

| suitable for                                                                                                                                           | Order no.    | Comparative no.                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------|
| Setra S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, S 411/415 HD, S 415/417 HDH, S 431 DT | 1325 007 163 | Mercedes-Benz 001 260 71 63<br>Mercedes-Benz 001 260 70 63<br>Mercedes-Benz 001 260 43 63 |



### Shift cylinder valve

This figure corresponds to 9472 602 057

| suitable for                                                                                                    | Order no.    | Comparative no.                                            |
|-----------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------|
| Setra S 312/315 HD, S 315 HDH/2, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT | 9472 604 457 | Mercedes-Benz 002 260 44 57                                |
| Setra S 411/415 HD, S 415/417 HDH, S 431 DT                                                                     | 9472 602 057 | Mercedes-Benz 970 260 05 57<br>Mercedes-Benz 002 260 20 57 |



## Control valve

suitable for

Setra S 315/317 HDH/3, S 315/319 NF, SG 321 UL

Order no.

1325 064 610

Comparative no.

Mercedes-Benz 002 260 16 57  
Mercedes-Benz 970 260 00 57

1

Engine and clutch

Storage  
for drive shaft

This figure corresponds to 5244 106 037

suitable for

MAN Lion's Coach, Lion's Comfort, Lion's Star, EL, NG, NL, NM, SÜ, ÜL

Inner Ø

75 mm

Order no.

5244 106 037

MAN Lion's Coach, Lion's Comfort, Lion's Star, EL, NG, NL, NM, SÜ, ÜL

85 mm

1325 006 034

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# Exhaust system

2



|                                           |          |
|-------------------------------------------|----------|
| Silencer and particulate filter . . . . . | 92-94    |
| Pipes and fixtures . . . . .              | 95-112   |
| Engine brake . . . . .                    | 113, 114 |





This figure corresponds to 8730 100 648

| suitable for                                              | Length  | Standard  | Order no.           | Comparative no. |
|-----------------------------------------------------------|---------|-----------|---------------------|-----------------|
| <b>Fast</b> Scoler I/II                                   | 655 mm  |           | <b>8730 421 700</b> | Dinex 64324     |
| <b>Fast</b> Syter                                         | 590 mm  | Euro 2, 3 | <b>8700 493 770</b> | Dinex 49377     |
| <b>MAN</b> Lion's Coach (R07)                             |         |           |                     |                 |
| <b>Neoplan</b> Tourliner (N 2216)                         |         |           |                     |                 |
| <b>Temsa</b> Safari                                       |         |           |                     |                 |
| <b>Heuliez</b> GX 217                                     | 620 mm  | Euro 2    | <b>4260 080 443</b> | Dinex 80443     |
| <b>Volvo</b> B10L                                         |         |           |                     |                 |
| <b>Irisbus</b> Eurorider                                  | 935 mm  | Euro 1    | <b>4260 028 410</b> | Dinex 28410     |
| <b>Iveco</b> EuroClass                                    |         |           |                     |                 |
| <b>Iveco</b> CityClass                                    | 770 mm  | Euro 3    | <b>8700 284 110</b> | Dinex 28411     |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)               | 850 mm  | Euro 2, 3 | <b>8730 101 739</b> | Dinex 49337     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37)                  |         | Euro 3    | <b>4260 047 324</b> | Dinex 47324     |
| <b>Neoplan</b> Centroliner (N 45XX)                       |         |           |                     |                 |
| <b>MAN</b> Lion's City (A20/A21), NG (A23), NL (A21)      | 590 mm  | Euro 3    | <b>8700 493 930</b> | Dinex 49393     |
| <b>Neoplan</b> Centroliner (N 45XX)                       |         |           |                     |                 |
| <b>MAN</b> Lion's City (A23)                              |         | Euro 4    | <b>4260 047 320</b> | Dinex 47320     |
| <b>MAN</b> Lion's Classic Ü (A72)                         | 1100 mm | Euro 2, 3 | <b>8772 473 010</b> | Dinex 47301     |
| <b>MAN</b> Lion's Classic Ü (A72), NG (A23)               | 590 mm  | Euro 2, 3 | <b>8700 493 780</b> | Dinex 49378     |
| <b>MAN</b> NÜ (A20)                                       | 590 mm  | Euro 3    | <b>5231 010 304</b> | Dinex 47309     |
| <b>Mercedes-Benz</b> Citaro I (O 530)                     | 480 mm  | Euro 3    | <b>9468 490 030</b> | Dinex 51330     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)  | 585 mm  | Euro 3    | <b>8730 500 414</b> | Dinex 51333     |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)          |         | Euro 4    | <b>8730 051 374</b> | Dinex 51374     |
| <b>Mercedes-Benz</b> O 405 N                              | 695 mm  | Euro 1    | <b>8730 504 330</b> | Dinex 50433     |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                | 690 mm  | Euro 1    | <b>8730 100 648</b> | Dinex 50358     |
| <b>Mercedes-Benz</b> O 407, O 408                         | 685 mm  | Euro 1, 2 | <b>8730 100 681</b> | Dinex 50370     |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                   | 950 mm  | Euro 2    | <b>8700 504 950</b> | Dinex 50495     |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                   | 985 mm  | Euro 3    | <b>9464 910 700</b> | Dinex 69333     |
| <b>Setra</b> S 411 HD, S 416 GT-HD                        |         |           |                     |                 |
| <b>Mercedes-Benz</b> Travego I (O 580)                    | 425 mm  |           | <b>9464 910 400</b> | Dinex 69331     |
| <b>Setra</b> S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH |         |           |                     |                 |
| <b>Setra</b> S 315/317 HDH/3                              | 1000 mm | Euro 1, 2 | <b>8700 693 250</b> | Dinex 69325     |
| <b>Setra</b> S 315/319 NF                                 | 650 mm  | Euro 2    | <b>8700 693 190</b> | Dinex 69319     |
| <b>Solaris</b> Urbino III                                 |         | Euro 5    | <b>4260 021 441</b> | Dinex 21441     |
| <b>Volvo</b> B10B, B10B LE                                | 700 mm  | Euro 1, 2 | <b>8725 706 100</b> | Dinex 80345     |
| <b>Volvo</b> B12                                          | 675 mm  | Euro 3    | <b>8000 000 117</b> | Dinex 80401     |
| <b>Volvo</b> B12B, B12R                                   | 800 mm  | Euro 3    | <b>4260 080 464</b> | Dinex 80464     |
| <b>Volvo</b> B7L, B7R                                     | 760 mm  | Euro 2, 3 | <b>8700 804 470</b> | Dinex 80447     |
| <b>Volvo</b> B9L                                          |         | Euro 4, 5 | <b>4260 080 397</b> | Dinex 80397     |
| <b>Volvo</b> B9L                                          |         | Euro 4, 5 | <b>4260 080 388</b> | Dinex 80388     |
| <b>Volvo</b> B9M, B10M                                    | 700 mm  | Euro 2, 3 | <b>8700 804 100</b> | Dinex 80410     |
| <b>Volvo</b> B9R, B12B, B12R                              | 800 mm  | Euro 3    | <b>4260 080 465</b> | Dinex 80465     |
| <b>Volvo</b> B9R, B9TL, B12B                              |         | Euro 4, 5 | <b>4260 080 392</b> | Dinex 80392     |



This figure corresponds to 8790 000 095

| suitable for                                                                                                                                      | Standard              | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 416/415 GT, S 415 GT-HD                            | Euro 3 (D3)           | <b>8700 051 342</b> | Dinex 51342     |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550)<br><b>Setra</b> S 415/416 GT, S 415 GT-HD, S 415 NF, S 412/415/416/417/419 UL       | Euro 4                | <b>8730 051 371</b> | Dinex 51371     |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourismo II<br><b>Setra</b> S 415/417/419 UL                                          | Euro 4 <sup>2</sup>   | <b>8730 051 373</b> | Dinex 51373     |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 415/416 NF                                                                               | Euro 4 <sup>2</sup>   | <b>8730 051 378</b> | Dinex 51378     |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 415 NF                                                                                   | Euro 4 <sup>2</sup>   | <b>8730 051 377</b> | Dinex 51377     |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo I (O 350)<br><b>Setra</b> S 315 UL, S 417 UL                                                    | Euro 4 <sup>2</sup>   | <b>8730 051 372</b> | Dinex 51372     |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                           | Euro 3                | <b>4260 051 370</b> | Dinex 51370     |
| <b>Mercedes-Benz</b> Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 415/417 GT-HD                                                        | Euro 4 <sup>2</sup>   | <b>8730 051 379</b> | Dinex 51379     |
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 415/416/417 GT-HD                                             | Euro 4 <sup>1/2</sup> | <b>8730 051 381</b> | Dinex 51381     |
| <b>Mercedes-Benz</b> Touro (O 500), Travego I (O 580)<br><b>Setra</b> S 315/317 HDH/3, S 315/317/319 GT-HD, S 415 HD, S 415/416/417 HDH, S 431 DT | Euro 3                | <b>4260 069 330</b> | Dinex 69330     |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                            | Euro 2, 3             | <b>8790 000 095</b> | Dinex 68327     |
| <b>Setra</b> S 431 DT                                                                                                                             | Euro 4 <sup>1/2</sup> | <b>8730 051 383</b> | Dinex 51383     |

<sup>1</sup> with NOx sensor

<sup>2</sup> Vehicles with SCR system

## Silencer

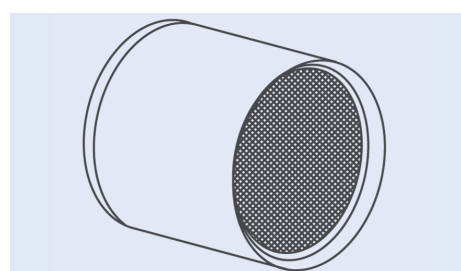
| suitable for                                                                                                                      | Order no.                        | Comparative no.   |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------|
| <b>Irisbus</b> Arway, Eurorider                                                                                                   | <b>2593 136 540</b>              | Irisbus 503136540 |
| <b>Irisbus</b> Arway, Récréo II                                                                                                   | <b>2594 316 027</b>              | Irisbus 504316027 |
| <b>Irisbus</b> Citelis                                                                                                            | <b>2593 137 188</b>              | Irisbus 503137188 |
| <b>Irisbus</b> Citelis CNG                                                                                                        | <b>2594 317 816</b>              | Irisbus 504317816 |
| <b>Irisbus</b> Crossway LE                                                                                                        | <b>2593 137 987</b>              | Irisbus 503137987 |
| <b>Irisbus</b> Crossway LE                                                                                                        | <b>2593 137 988</b>              | Irisbus 503137988 |
| <b>Irisbus</b> Eurorider                                                                                                          | <b>2594 133 911</b>              | Irisbus 504133911 |
| <b>Irisbus</b> Eurorider                                                                                                          | <b>2593 137 359</b>              | Irisbus 503137359 |
| <b>MAN</b> Lion's City (A37/A47)                                                                                                  | <sup>1</sup> <b>5231 036 055</b> | MAN 81.15103-6055 |
| <b>MAN</b> Lion's City (A78)                                                                                                      | <b>5231 036 029</b>              | MAN 81.15103-6029 |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216) | <sup>1</sup> <b>5231 010 410</b> | MAN 81.15101-0410 |
| <b>MAN</b> Lion's Regio (R12/R13)                                                                                                 | <b>5231 036 032</b>              | MAN 81.15103-6032 |

Continued on the next page ...

... continued from the previous page

| suitable for                                          | Order no.                        | Comparative no.             |
|-------------------------------------------------------|----------------------------------|-----------------------------|
| <b>MAN</b> Lion's Regio (R12)                         | <b>5231 010 367</b>              | MAN 81.15101-0367           |
| <b>Neoplan</b> Trendliner (N 3516)                    |                                  |                             |
| <b>MAN</b> Lion's Regio (R13)                         | <b>5231 010 383</b>              | MAN 81.15101-0383           |
| <b>Neoplan</b> Trendliner (N 3516)                    |                                  |                             |
| <b>Mercedes-Benz</b> Citaro II (O 530)                | <sup>1</sup> <b>9464 901 914</b> | Mercedes-Benz 628 490 19 14 |
| <b>Mercedes-Benz</b> Tourino (O 510)                  | <b>9464 490 020</b>              | Mercedes-Benz 444 490 02 01 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)               | <b>9463 490 030</b>              | Mercedes-Benz 613 490 03 01 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216) | <sup>1</sup> <b>5231 010 384</b> | MAN 81.15101-0384           |
| <b>Neoplan</b> Skyliner (2011-)                       | <sup>1</sup> <b>5231 010 479</b> | MAN 81.15101-0479           |
| <b>Neoplan</b> Trendliner (N 3516)                    | <b>5231 010 418</b>              | MAN 81.15101-0418           |
| <b>Volvo</b> B10M                                     | <b>6179 523 650</b>              | Volvo 9523650               |
| <b>Volvo</b> B12B, B12R                               | <b>6179 959 467</b>              | Volvo 9959467               |

<sup>1</sup> with catalytic converter



Particulate filter

This figure corresponds to 8700 047 002

| suitable for                           | Order no.           | Comparative no. |
|----------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arway                   | <b>4260 985 143</b> | Dinex 985143    |
| <b>MAN</b> Lion's City (A21)           | <b>8700 047 002</b> | Dinex 47002     |
| <b>Mercedes-Benz</b> Citaro C2 (O 530) | <b>8730 051 012</b> | Dinex 51012     |

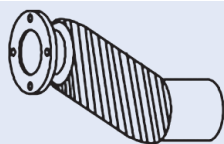
## Particulate filter

| suitable for                           | Order no.           | Comparative no.             |
|----------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Citelis                 | <b>2593 139 921</b> | Irisbus 503139921           |
| <b>MAN</b> Lion's City (A20/A21)       | <b>5231 030 020</b> | MAN 81.15103-0020           |
| <b>Mercedes-Benz</b> Conecto I (O 345) | <b>9464 902 114</b> | Mercedes-Benz 628 490 21 14 |
| <b>Volvo</b> B10B                      | <b>6170 112 659</b> | Volvo 85112659              |
| <b>Volvo</b> B12B                      | <b>6173 177 960</b> | Volvo 3177960               |
| <b>Volvo</b> B5LH                      | <b>6171 180 900</b> | Volvo 21180900              |
| <b>Volvo</b> B5LH                      | <b>6171 154 888</b> | Volvo 21154888              |
| <b>Volvo</b> B7L                       | <b>6170 330 456</b> | Volvo 70330456              |
| <b>Volvo</b> B7L                       | <b>6175 112 660</b> | Volvo 85112660              |
| <b>Volvo</b> B7R                       | <b>6170 956 853</b> | Volvo 20956853              |
| <b>Volvo</b> B9L                       | <b>6171 082 076</b> | Volvo 21082076              |
| <b>Volvo</b> B9TL                      | <b>6170 757 269</b> | Volvo 20757269              |
| <b>Volvo</b> B9TL                      | <b>6171 090 422</b> | Volvo 21090422              |

## Tip

During scheduled city service, particulate filters can quickly become clogged with soot because of the low temperatures in the exhaust system. Regeneration ovens provide a remedy (page 668).





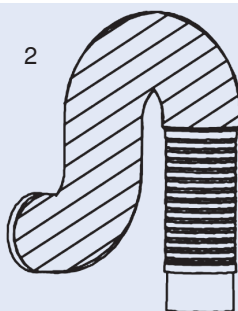
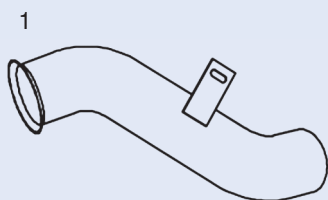
**dINEX**  
Front pipe

This figure corresponds to 4260 531 830

| suitable for                                                                              | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Heuliez</b> GX 127, 327, 427                                                           | <b>4260 029 293</b> | Dinex 29293     |
| <b>Irisbus</b> Arway, Citelis, Crossway LE, Domino, Evadys, Magelys, Midirider, Récréo II |                     |                 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                               | <b>8700 492 740</b> | Dinex 49274     |
| <b>MAN</b> Lion's City (A21/A23)                                                          | <b>8700 048 242</b> | Dinex 48242     |
| <b>MAN</b> Lion's City (A78)                                                              | <b>8700 048 145</b> | Dinex 48145     |
| <b>MAN</b> Lion's City (A78)                                                              | <b>8700 048 234</b> | Dinex 48234     |
| <b>MAN</b> Lion's Coach (R08)                                                             | <b>8700 048 200</b> | Dinex 48200     |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216)                 |                     |                 |
| <b>MAN</b> Lion's Regio (R13)                                                             | <b>8700 048 147</b> | Dinex 48147     |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                     | <b>4260 531 830</b> | Dinex 53183     |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                    | <b>4260 056 121</b> | Dinex 56121     |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                    | <b>8700 056 187</b> | Dinex 56187     |
| <b>Setra</b> S 415 NF                                                                     |                     |                 |
| <b>Mercedes-Benz</b> Integro II (O 550)                                                   | <b>8700 054 221</b> | Dinex 54221     |
| <b>Setra</b> S 315 UL, S 417 UL                                                           |                     |                 |
| <b>Mercedes-Benz</b> Intouro II                                                           | <b>4260 056 120</b> | Dinex 56120     |
| <b>Volvo</b> B12B, B12R                                                                   | <b>4260 082 188</b> | Dinex 82188     |
| <b>Volvo</b> B9TL                                                                         | <b>4260 082 222</b> | Dinex 82222     |

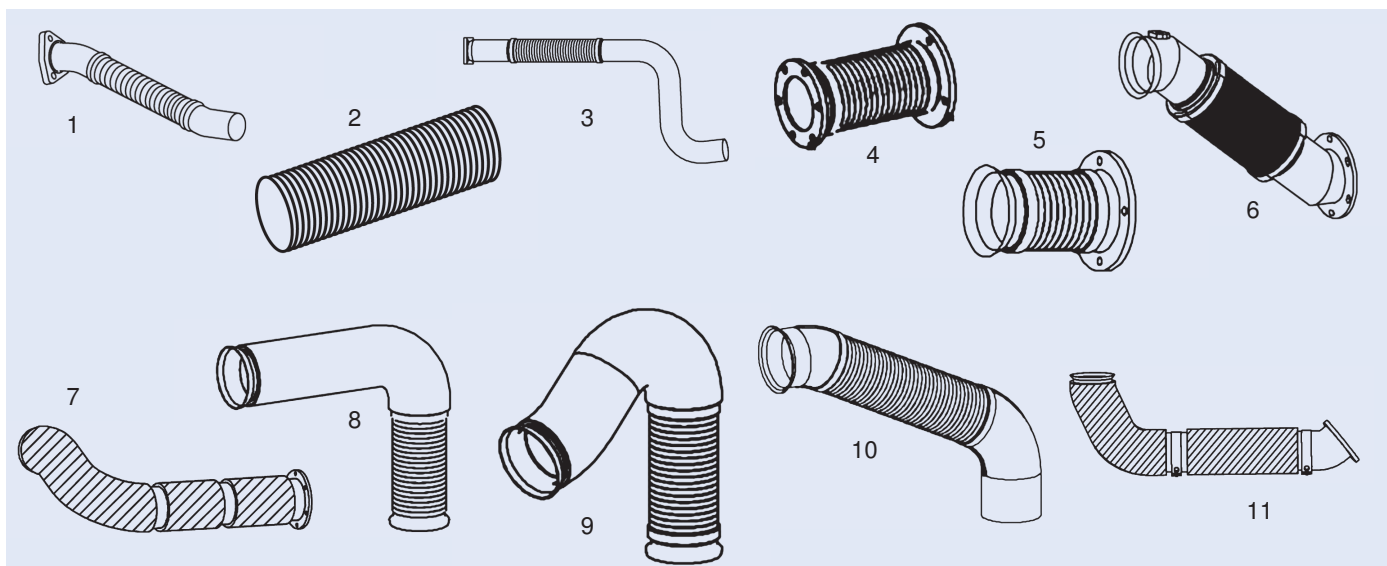
2

Exhaust system



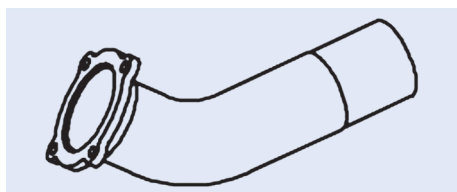
Front pipe

| suitable for                                                                 | Outlet Ø | Fig. | Order no.           | Comparative no. |
|------------------------------------------------------------------------------|----------|------|---------------------|-----------------|
| <b>MAN</b> Lion's Coach (R07)                                                | 110 mm   | 1    | <b>8700 048 204</b> | Dinex 48204     |
| <b>Neoplan</b> Tourliner (N 2216)                                            |          |      |                     |                 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo I (O 350), Travego I (O 580) | 120 mm   | 2    | <b>8700 054 219</b> | Dinex 54219     |
| <b>Setra</b> S 315 GT, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL          |          |      |                     |                 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                       | 120 mm   | 3    | <b>9464 900 610</b> | Dinex 69165     |
| <b>Setra</b> S 315/317/319 GT-HD, S 415 HD, S 415/417 HDH                    |          |      |                     |                 |



## Front pipe

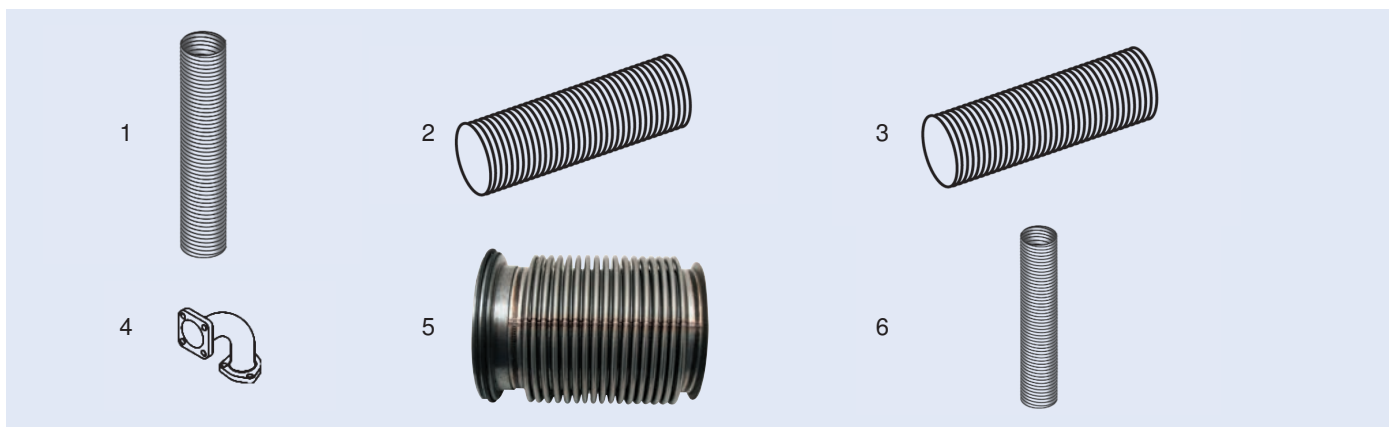
| suitable for                                                                                                | Length  | Installation location | Fig. | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------|---------|-----------------------|------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                 | 623 mm  | front                 | 1    | <b>8700 491 410</b> | Dinex 49141     |
| <b>MAN</b> Lion's City (A37/A47/A78)                                                                        | 300 mm  | centre                | 2    | <b>8700 492 680</b> | Dinex 49268     |
| <b>MAN</b> NÜ (A20)                                                                                         | 1011 mm | front                 | 3    | <b>5232 045 883</b> | Dinex 47222     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF                       | 230 mm  |                       | 4    | <b>8700 053 185</b> | Dinex 53185     |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF                                          | 170 mm  | front                 | 5    | <b>4260 056 118</b> | Dinex 56118     |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550),<br>Tourismo II<br><b>Setra</b> S 415/417/419 UL | 660 mm  | front                 | 6    | <b>8700 054 280</b> | Dinex 54280     |
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 415/416/417 GT-HD                  | 705 mm  | front                 | 7    | <b>4260 054 217</b> | Dinex 54217     |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315 GT, S<br>315/317/319 GT-HD                                    | 620 mm  | front                 | 8    | <b>8700 691 520</b> | Dinex 69152     |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315 GT, S<br>315/317/319 GT-HD                                    | 400 mm  | front                 | 9    | <b>8700 691 510</b> | Dinex 69151     |
| <b>Setra</b> S 411 HD                                                                                       | 608 mm  | front                 | 10   | <b>9464 901 510</b> | Dinex 69169     |
| <b>Setra</b> S 416 GT-HD                                                                                    | 763 mm  | front                 | 11   | <b>4260 054 218</b> | Dinex 54218     |



## Front pipe at turbocharger

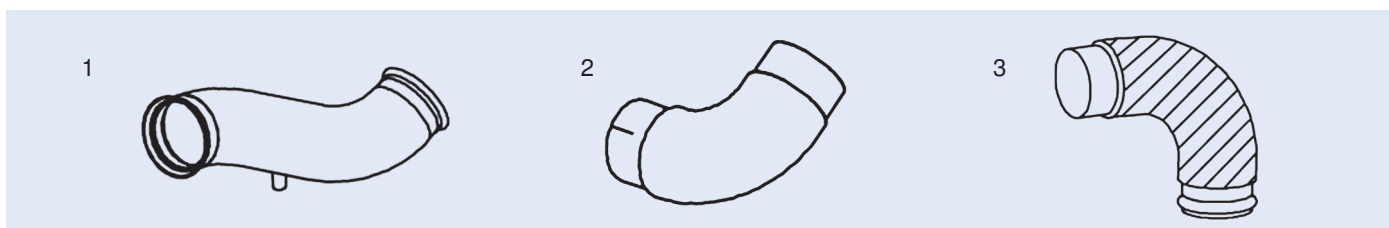
Inlet Ø 112 mm  
Version bent

| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 407, O 408 | <b>8730 206 712</b> | Dinex 53115     |



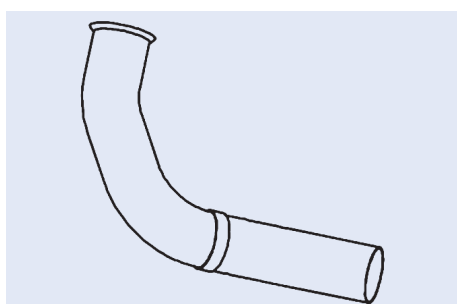
### Front pipe

| suitable for                  | Length | Inner Ø  | Outer Ø | Fig. | Order no.    | Comparative no. |
|-------------------------------|--------|----------|---------|------|--------------|-----------------|
| MAN Lion's City (A20/A21/A23) | 285 mm | 101 mm   | 105 mm  | 1    | 8730 101 754 | Dinex 49176     |
| MAN Lion's City (A23)         | 330 mm | 101 mm   |         | 2    | 8730 101 755 | Dinex 49186     |
| MAN Lion's Classic Ü (A72)    | 210 mm | 80 mm    |         | 3    | 8770 808 553 | Dinex 47111     |
| MAN Lion's Classic Ü (A72)    |        | 88,9 mm  | 95,3 mm | 4    | 8730 101 677 | Dinex 49153     |
| Scania K94/114/124, L94       | 190 mm | 114,3 mm |         | 5    | 8790 000 212 | Dinex 68239     |
| Volvo B10M                    | 327 mm | 115 mm   | 119 mm  | 6    | 8725 707 166 | Dinex 81224     |



### Front pipe

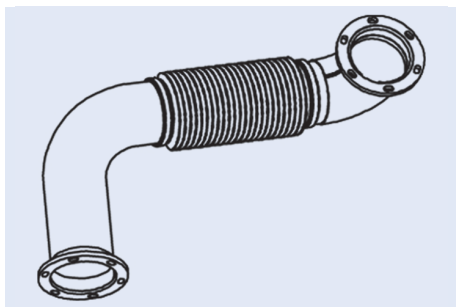
| suitable for                                       | Inlet Ø  | Outlet Ø | Fig. | Order no.    | Comparative no. |
|----------------------------------------------------|----------|----------|------|--------------|-----------------|
| Scania K114/124, L94                               | 126,4 mm | 126,4 mm | 1    | 8000 488 700 | Dinex 68259     |
| Setra S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 102,5 mm | 100 mm   | 2    | 4260 069 141 | Dinex 69141     |
| Volvo B9TL                                         | 113 mm   | 114,3 mm | 3    | 4260 082 219 | Dinex 82219     |



### Front pipe

Length 575 mm  
Outlet Ø 101,6 mm

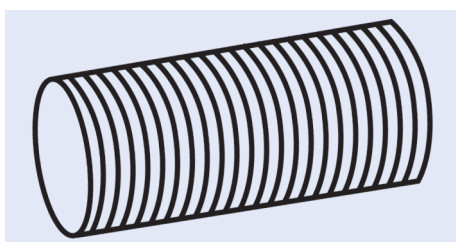
| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B7L    | 4260 082 179 | Dinex 82179     |



**DINEX**  
Flexible pipe

This figure corresponds to 4260 054 212

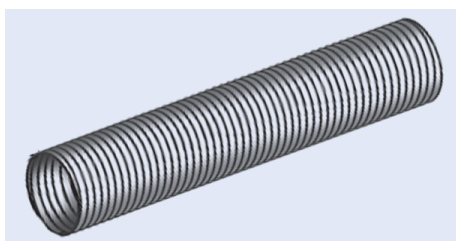
| suitable for                                                                                          | Installation location | Length | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------|-----------------------|--------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 415/416/417 GT-HD | centre                | 605 mm | <b>4260 054 212</b> | Dinex 54212     |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 416/417 HDH                                  | front                 | 311 mm | <b>4260 054 216</b> | Dinex 54216     |



**DINEX**  
Flexible pipe

This figure corresponds to 4260 002 187

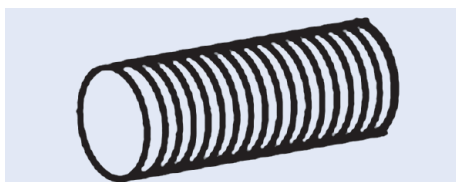
| suitable for                                                    | Inlet Ø | Order no.           | Comparative no. |
|-----------------------------------------------------------------|---------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 415 NF | 123 mm  | <b>4260 056 119</b> | Dinex 56119     |
| <b>Volvo</b> B7R, B9R, B9TL, B12B, B12R                         | 115 mm  | <b>4260 002 187</b> | Dinex 82187     |



**DINEX**  
Flexible pipe

Length 255 mm  
Inner Ø 103 mm  
Outer Ø 107 mm  
Material stainless steel

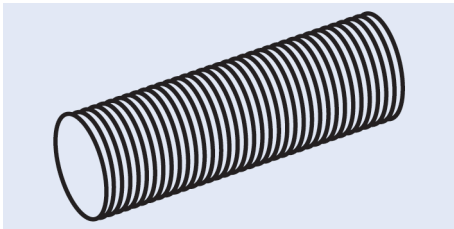
| suitable for     | Order no.           | Comparative no. |
|------------------|---------------------|-----------------|
| <b>Volvo</b> B7L | <b>4260 081 128</b> | Dinex 81128     |



**DINEX**  
Flexible pipe

This figure corresponds to 4260 081 657

| suitable for      | Length | Order no.           | Comparative no. |
|-------------------|--------|---------------------|-----------------|
| <b>Volvo</b> B10B | 365 mm | <b>8725 707 062</b> | Dinex 80208     |
| <b>Volvo</b> B5LH | 285 mm | <b>4260 081 657</b> | Dinex 81657     |

**Flexible pipe**

Length 357 mm  
Inner Ø 103 mm

| suitable for   | Order no.    | Comparative no. |
|----------------|--------------|-----------------|
| Volvo B7L, B7R | 8700 821 330 | Dinex 82133     |

**Flexible pipe**

| suitable for        | Order no.    |
|---------------------|--------------|
| Mercedes-Benz O 408 | 5247 050 217 |
| Volvo B12           | 5247 081 133 |

This figure corresponds to 5247 050 217

**Flexible pipe**

Length 295 mm

| suitable for                                                  | Order no.    |
|---------------------------------------------------------------|--------------|
| Mercedes-Benz Conecto I (O 345), O 404, O 405 N, O 407, O 408 | 3200 038 873 |
| Neoplan Starliner (N 516), Transliner (N 316)                 |              |
| Setra S 328 DT                                                |              |

**Flexible pipe**

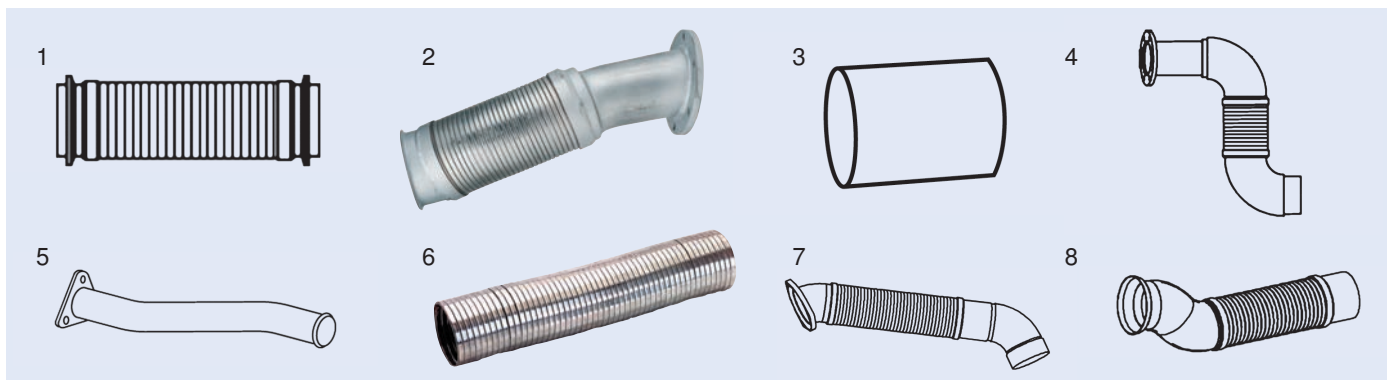
Ø 115 mm  
Length 305 mm  
Version flexible

| suitable for                | Order no.    |
|-----------------------------|--------------|
| MAN NL (A10, A15)           | 8772 037 000 |
| Neoplan Trendliner (N 3516) |              |

**Exhaust pipe socket**

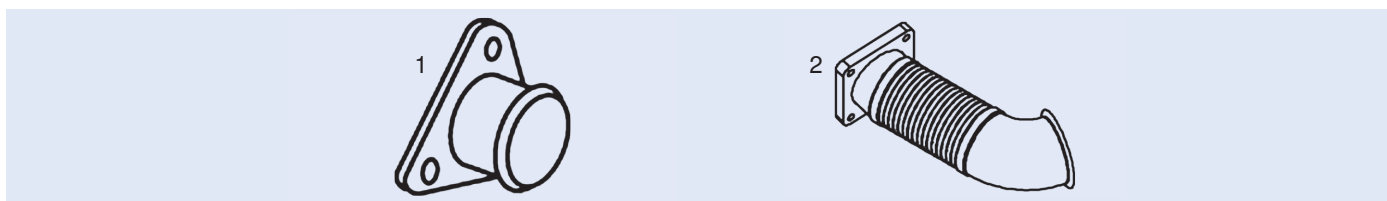
Ø 75 mm

| suitable for        | Order no.    |
|---------------------|--------------|
| Mercedes-Benz O 408 | 5247 050 218 |
| Setra 300 series    |              |



## Exhaust pipe

| suitable for                                                                                                          | Installation location | Length | Fig. | Order no.           | Comparative no. |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------|--------|------|---------------------|-----------------|
| <b>Irisbus</b> Axer, Citelis, Evadys, Récréo<br><b>Iveco</b> CityClass                                                | centre                | 315 mm | 1    | <b>4260 064 526</b> | Dinex 64526     |
| <b>MAN</b> Lion's City (A20/A21), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                           | front                 | 390 mm | 2    | <b>5232 055 092</b> | Dinex 47228     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                     | centre                | 110 mm | 3    | <b>4260 047 209</b> | Dinex 47209     |
| <b>MAN</b> NG (A23)                                                                                                   | front                 | 360 mm | 4    | <b>8704 722 000</b> | Dinex 47220     |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                            | front                 | 568 mm | 5    | <b>8730 100 675</b> | Dinex 51123     |
| <b>Mercedes-Benz</b> O 405 N<br><b>Setra</b> S 312/315/317 HD, S 315/317 HDH, S 328 DT, S 315 GT, S 315/317/319 GT-HD | front                 | 295 mm | 6    | <b>8730 200 500</b> | Dinex 51125     |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 415 HD, S 416 GT-HD                                          | centre                | 805 mm | 7    | <b>4260 069 164</b> | Dinex 69164     |
| <b>Setra</b> S 315/319 NF                                                                                             | centre                | 530 mm | 8    | <b>8700 691 360</b> | Dinex 69136     |



## Exhaust pipe

Installation location front

| suitable for                                                       | Length | Outlet Ø | Fig. | Order no.           | Comparative no. |
|--------------------------------------------------------------------|--------|----------|------|---------------------|-----------------|
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216) | 397 mm | 137 mm   | 1    | <b>8700 048 126</b> | Dinex 48126     |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                         | 130 mm | 82 mm    | 2    | <b>8730 511 220</b> | Dinex 51122     |



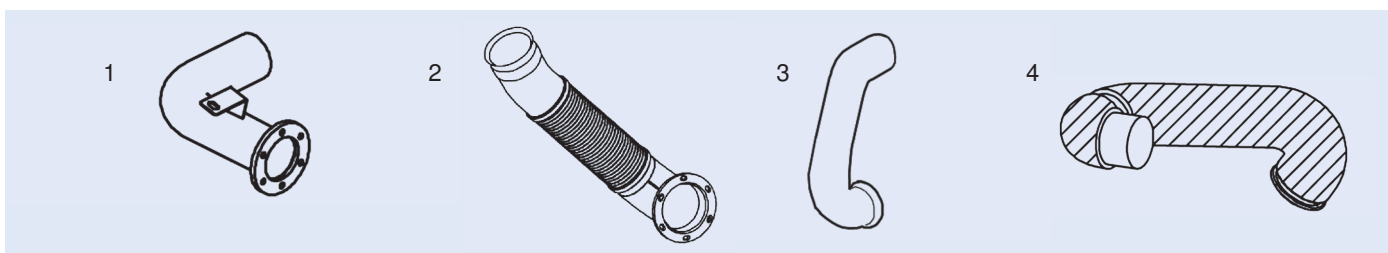


### Exhaust pipe for turbocharger

Installation location front

This figure corresponds to 8730 511 240

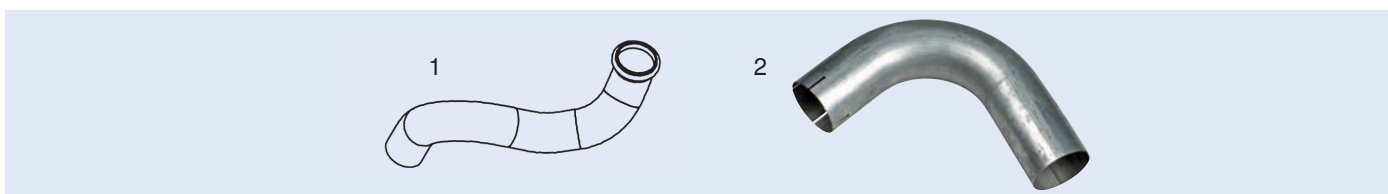
| suitable for                        | Length | Order no.           | Comparative no. |
|-------------------------------------|--------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 405 N, O 407 |        | <b>8730 511 240</b> | Dinex 51124     |
| <b>Scania</b> K114/124              | 63 mm  | <b>8790 000 230</b> | Dinex 68240     |



### Exhaust pipe

Installation location centre

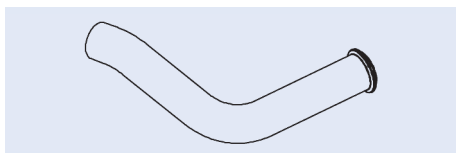
| suitable for                    | Fig. | Order no.           | Comparative no. |
|---------------------------------|------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Intouro II | 1    | <b>4260 056 206</b> | Dinex 56206     |
| <b>Setra</b> S 431 DT           | 2    | <b>4260 054 211</b> | Dinex 54211     |
| <b>Volvo</b> B12B               | 3    | <b>4260 082 512</b> | Dinex 82512     |
| <b>Volvo</b> B7R                | 4    | <b>4260 082 220</b> | Dinex 82220     |



### Exhaust pipe

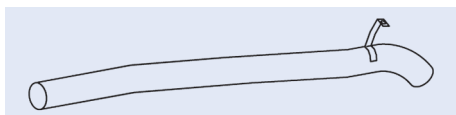
Installation location centre

| suitable for                            | Inlet Ø  | Fig. | Order no.           | Comparative no. |
|-----------------------------------------|----------|------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | 97 mm    | 1    | <b>8730 101 298</b> | Dinex 52276     |
| <b>Volvo</b> B7L                        | 101,6 mm | 2    | <b>4260 082 180</b> | Dinex 82180     |

**Exhaust pipe**

Installation location centre  
Outlet Ø 102 mm

| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B7R    | 4260 080 742 | Dinex 80742     |

**Tailpipe**

This figure corresponds to 8772 002 140

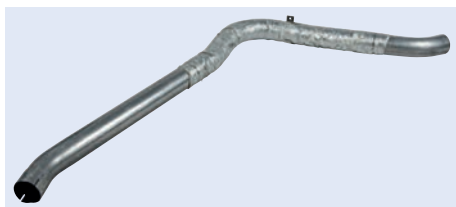
| suitable for                                                                                | Length  | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------|---------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                 |         | <b>8772 002 140</b> | Dinex 49694     |
| <b>MAN</b> Lion's City (A20/A21), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | 1587 mm | <b>5232 055 006</b> | Dinex 47665     |
| <b>MAN</b> Lion's City (A21/A23)                                                            |         | <b>8700 047 743</b> | Dinex 47743     |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                         |         | <b>4260 047 738</b> | Dinex 47738     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                           | 1310 mm | <b>8704 765 200</b> | Dinex 47652     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                           | 1970 mm | <b>4260 047 735</b> | Dinex 47735     |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216)                          | 1360 mm | <b>8700 047 731</b> | Dinex 47731     |
| <b>MAN</b> NG (A23)                                                                         | 1489 mm | <b>8704 765 800</b> | Dinex 47658     |
| <b>MAN</b> NÜ (A20)                                                                         | 1890 mm | <b>8704 765 700</b> | Dinex 47657     |

**Tailpipe**

This figure corresponds to 4260 505 110

| suitable for                                                                                                    | Length  | Order no.           | Comparative no. |
|-----------------------------------------------------------------------------------------------------------------|---------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                                                                          | 287 mm  | <b>4260 051 676</b> | Dinex 51676     |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                           | 440 mm  | <b>4260 505 110</b> | Dinex 50511     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)                                                        | 247 mm  | <b>4260 051 675</b> | Dinex 51675     |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF                                              | 225 mm  | <b>4260 051 678</b> | Dinex 51678     |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                          |         | <b>4260 051 927</b> | Dinex 51927     |
| <b>Mercedes-Benz</b> Integro II (O 550)<br><b>Setra</b> S 315 UL, S 417 UL                                      | 1770 mm | <b>4260 054 669</b> | Dinex 54669     |
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408                                                               | 285 mm  | <b>9464 920 959</b> | Dinex 53114     |
| <b>Mercedes-Benz</b> O 408                                                                                      | 1260 mm | <b>8700 527 590</b> | Dinex 52759     |
| <b>Mercedes-Benz</b> Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD | 475 mm  | <b>4260 054 668</b> | Dinex 54668     |

*A mobile exhaust extraction unit for your workshop can be found on page 668.*



### Tailpipe

Length 1250 mm  
Inlet Ø 101 mm

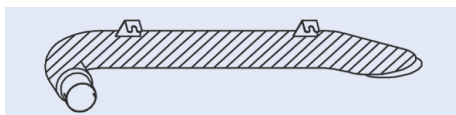
| suitable for          | Order no.    | Comparative no. |
|-----------------------|--------------|-----------------|
| Mercedes-Benz O 405 N | 8700 527 580 | Dinex 52758     |



### Tailpipe

This figure corresponds to 8730 101 294

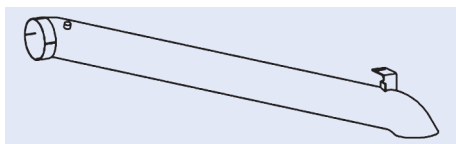
| suitable for                     | Inlet Ø | Order no.    | Comparative no. |
|----------------------------------|---------|--------------|-----------------|
| Mercedes-Benz O 407, O 408       | 101 mm  | 8730 202 977 | Dinex 50788     |
| Mercedes-Benz Tourismo I (O 350) | 90,5 mm | 8730 101 294 | Dinex 52761     |



### Tailpipe

This figure corresponds to 4260 051 680

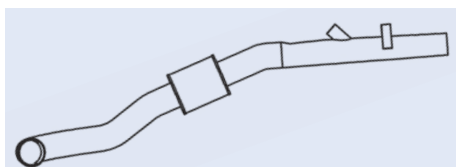
| suitable for                    | Length | Order no.    | Comparative no. |
|---------------------------------|--------|--------------|-----------------|
| Mercedes-Benz Citaro II (O 530) | 200 mm | 4260 050 514 | Dinex 50514     |
| Setra S 415 NF                  |        |              |                 |
| Mercedes-Benz Intouro II        |        | 4260 051 680 | Dinex 51680     |



### Tailpipe

Scope of supply  
with NOx sensor

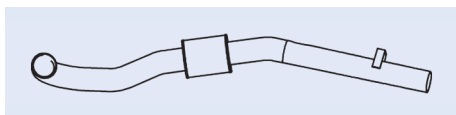
| suitable for                                                     | Order no.    | Comparative no. |
|------------------------------------------------------------------|--------------|-----------------|
| Mercedes-Benz Citaro II (O 530), Integro II (O 550), Tourismo II | 4260 054 681 | Dinex 54681     |
| Setra S 415/417/419 UL                                           |              |                 |



### Tailpipe

Inlet Ø 110 mm

| suitable for            | Order no.    | Comparative no. |
|-------------------------|--------------|-----------------|
| Scania K94/114/124, L94 | 8700 687 580 | Dinex 68758     |



### Tailpipe

Length 1900 mm

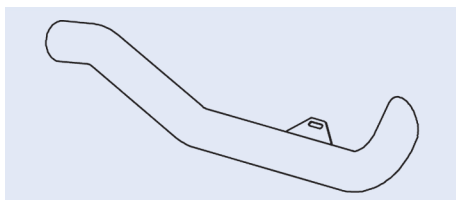
| suitable for            | Order no.    | Comparative no. |
|-------------------------|--------------|-----------------|
| Scania K94/114/124, L94 | 8700 687 570 | Dinex 68757     |



### Tailpipe

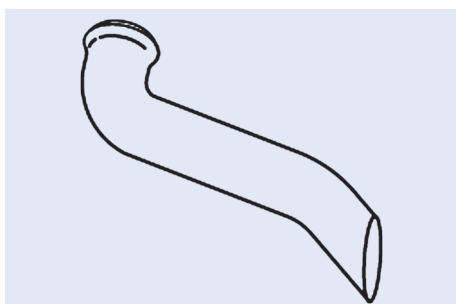
This figure corresponds to 4260 054 667

| suitable for                            | Length  | Order no.    | Comparative no. |
|-----------------------------------------|---------|--------------|-----------------|
| Setra S 313/315/319 UL, S 315/319 UL-GT | 1573 mm | 8700 696 180 | Dinex 69618     |
| Setra S 315 UL                          | 1650 mm | 4260 054 670 | Dinex 54670     |
| Setra S 415/417 GT-HD                   | 615 mm  | 4260 054 667 | Dinex 54667     |



### Tailpipe

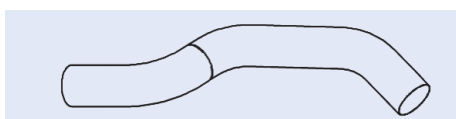
| suitable for       | Order no.    | Comparative no. |
|--------------------|--------------|-----------------|
| Setra S 315/319 NF | 8700 696 120 | Dinex 69612     |



### Tailpipe

| suitable for     | Order no.    | Comparative no. |
|------------------|--------------|-----------------|
| Volvo B10B       | 8725 707 132 | Dinex 81620     |
| Volvo B12B       | 4260 000 577 | Dinex 82615     |
| Volvo B12B, B12R | 4260 081 710 | Dinex 81710     |
| Volvo B7R        | 4260 082 701 | Dinex 82701     |

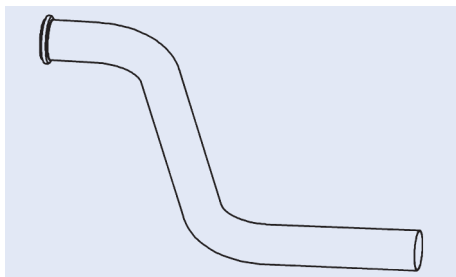
This figure corresponds to 8725 707 132



### Tailpipe

This figure corresponds to 4260 082 606

| suitable for | Length  | Inlet Ø  | Order no.    | Comparative no. |
|--------------|---------|----------|--------------|-----------------|
| Volvo B10B   | 1390 mm | 135 mm   | 8725 707 129 | Dinex 80798     |
| Volvo B10B   | 730 mm  |          | 8725 707 128 | Dinex 80797     |
| Volvo B9TL   | 917 mm  | 114,3 mm | 4260 082 606 | Dinex 82606     |
| Volvo B9TL   | 375 mm  | 126 mm   | 4260 080 530 | Dinex 80530     |

**Tailpipe**

suitable for low chassis  
Length 1307 mm

| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B7R    | 4260 082 186 | Dinex 82186     |

**Exhaust pipe clamp**

This figure corresponds to 8000 000 176

| suitable for                                                                                                                                                                                                                                                                  | Ø          | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|-----------------|
| <b>Irisbus</b> Arès                                                                                                                                                                                                                                                           | 108-114 mm | <b>8000 000 176</b> | Dinex 99115     |
| <b>MAN</b> Lion's City (A20/A21/A78), Lion's Classic Ü (A72),<br>Lion's Coach (R07/R08), NG (A23), NL (A10/A15/A21)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216)<br><b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 114,5 mm   | <b>8700 090 300</b> | Dinex 99714     |
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Classic Ü (A72), NÜ (A20)<br><b>Mercedes-Benz</b> O 405, O 408, Tourismo I (O 350)<br><b>Setra</b> S 309 HD                                                                                                                      | 85,5 mm    | <b>8730 106 200</b> | Dinex 99785     |
| <b>MAN</b> Lion's City (A37/A47)                                                                                                                                                                                                                                              | 110,5 mm   | <b>8730 128 700</b> | Dinex 99710     |
| <b>MAN</b> Lion's City (A37/A78), Lion's Classic Ü (A72), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro I (O 530), O 405 N, O 407, O 408, Tourino (O 510)<br><b>Setra</b> S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                              | 104,5 mm   | <b>8730 128 900</b> | Dinex 99704     |
| <b>Scania</b> K360                                                                                                                                                                                                                                                            | 122-127 mm | <b>8709 992 100</b> | Dinex 99921     |

**Exhaust pipe clamp**

This figure corresponds to 5234 205 045

| suitable for                                                                                                             | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's Coach (R07)                                                                                            | <b>4260 047 881</b> | Dinex 47881     |
| <b>MAN</b> Lion's Coach (R07), EL (A12), NG (A11), NL (A10/A15)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216) | <b>5234 205 045</b> | Dinex 49916     |
| <b>Volvo</b> B7L, B7R                                                                                                    | <b>8000 000 946</b> | Dinex 80910     |



## Exhaust pipe clamp

This figure corresponds to 5247 050 916

| suitable for                                                                                                                                                                  | Ø        | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|
| <b>MAN</b> Lion's Coach (R07/R08), EL (A12), NG (A11), NL (A10/A15)                                                                                                           | 124,5 mm | <b>5247 099 724</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo I (O 350)                                                                                                                     |          |                     |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                                             |          |                     |
| <b>Setra</b> S 315 UL, S 411 HD, S 417 UL                                                                                                                                     |          |                     |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), O 405 N, O 407                                                                                                                     | 102 mm   | <b>5247 050 849</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL              |          |                     |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourismo I/II (O 350), Travego I/II (O 580)                                                                       | 128,5 mm | <b>5247 051 894</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415 HD, S 415/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 416 GT-HD/2, S 417/419 UL |          |                     |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)                                                                                                                              | 88,9 mm  | <b>5247 050 852</b> |
| <b>Mercedes-Benz</b> O 405 N, Tourismo I (O 350)                                                                                                                              | 100,5 mm | <b>5247 099 700</b> |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                             | 100 mm   | <b>5247 050 916</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                                       | 94,5 mm  | <b>5247 099 794</b> |
| <b>Setra</b> S 309 HD                                                                                                                                                         |          |                     |
| <b>Setra</b> S 315/317/319 GT-HD                                                                                                                                              | 120,5 mm | <b>5247 099 720</b> |



## Exhaust pipe clamp

| suitable for                                        | Ø      | Order no.           |
|-----------------------------------------------------|--------|---------------------|
| <b>Volvo</b> B10B                                   |        | <b>6170 673 104</b> |
| <b>Volvo</b> B9L, B9R, B9TL, B10B, B10M, B12B, B12R | 114 mm | <b>8730 102 036</b> |

This figure corresponds to 8730 102 036



## Clamping collar

Type 142 x 25-W3  
Ø 114,3 mm

| suitable for                                                              | Order no.           | Comparative no. |
|---------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's Coach (R07)                                             | <b>8700 049 939</b> | Dinex 49939     |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216) |                     |                 |





### Clamping collar

Ø 114,3 mm

suitable for

Scania K94/114/124/360, L94

Order no.

5247 068 835



### Clamping piece

This figure corresponds to 8000 000 943

| suitable for                                                                                | Width | Ø              | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------|-------|----------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider                                                                    |       | 114-118 mm     | <b>8700 288 650</b> | Dinex 28865     |
| <b>Irisbus</b> Eurorider                                                                    |       | 118-120 mm     | <b>8700 288 660</b> | Dinex 28866     |
| <b>Iveco</b> CityClass                                                                      |       | 97-100 mm      | <b>4260 028 858</b> | Dinex 28858     |
| <b>MAN</b> Lion's City (A20/A21), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | 20 mm | 101,6/121 mm   | <b>8707 080 400</b> | Dinex 70804     |
| <b>Volvo</b> B10M                                                                           | 75 mm | 114,3/119 mm   | <b>8000 000 943</b> | Dinex 80871     |
| <b>Volvo</b> B5LH, B7L, B7R                                                                 | 75 mm | 101,6/106,6 mm | <b>8725 703 410</b> | Dinex 99302     |
| <b>Volvo</b> B9L, B9R, B9TL, B12B, B12R                                                     | 75 mm | 114,3/119 mm   | <b>8708 087 100</b> | Dinex 80871/T   |



### Clamping piece

| suitable for      | Order no.           | Comparative no. |
|-------------------|---------------------|-----------------|
| <b>Volvo</b> B5LH | <b>4260 080 807</b> | Dinex 80807     |
| <b>Volvo</b> B7R  | <b>8700 080 806</b> | Dinex 80806     |



### Clamping piece

suitable for

MAN EL (A12), NG (A11), NL (A10/A15)

Volvo B5LH, B9L, B9R, B9TL, B12B, B13R

Order no.

5247 049 871

6172 592 783

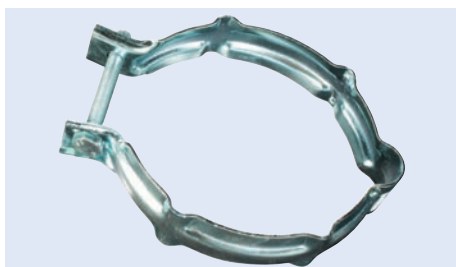
This figure corresponds to 6172 592 783



### Clamping piece

|               |        |
|---------------|--------|
| Length        | 170 mm |
| Ø             | 120 mm |
| Thread        | M10    |
| Thread length | 40 mm  |

| suitable for          | Order no.    |
|-----------------------|--------------|
| Volvo B9R, B9TL, B12B | 8730 190 120 |



This figure corresponds to 5247 081 921

### Pipe clip

| suitable for                          | Ø          | Order no.    |
|---------------------------------------|------------|--------------|
| Irisbus Arès, Eurorider               | 108-114 mm | 5247 099 115 |
| MAN Lion's Classic Ü (A72)            | 180-280 mm | 5247 050 860 |
| Mercedes-Benz O 408                   |            | 5247 050 827 |
| Scania K360/380                       |            | 5247 068 858 |
| Scania K94/114/124, L94               |            | 8000 111 237 |
| Volvo B7L, B9R                        |            | 6170 000 054 |
| Volvo B9L, B9R, B9TL, B12, B12B, B13R | 127 mm     | 5247 081 921 |



This figure corresponds to 5247 099 328

### Pipe clip

Width 75 mm

| suitable for | Inner Ø    | Material        | Order no.    |
|--------------|------------|-----------------|--------------|
| Volvo B12    | 127/132 mm | stainless steel | 6170 003 541 |
| Volvo B12    | 125/130 mm | Steel           | 5247 099 328 |



### Tightening strap for end pipe

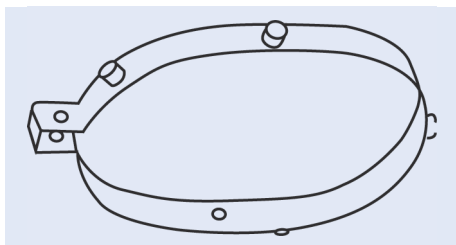
| suitable for | Order no.    |
|--------------|--------------|
| Volvo B12    | 5247 080 924 |



### Cup strap with bracket

Ø 180/280 mm

| suitable for                         | Order no.    |
|--------------------------------------|--------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 5247 049 841 |



### Tightening strap for silencer

| suitable for                                       | Order no.           | Comparative no. |
|----------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass | <b>8700 288 440</b> | Dinex 28844     |
| <b>Volvo</b> B10M, B12                             | <b>8730 102 101</b> | Dinex 80896     |
| <b>Volvo</b> B9L, B13R                             | <b>4260 080 805</b> | Dinex 80805     |



### Tightening strap for silencer

Scope of supply  
with accessories

| suitable for                                                                                                                     | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21), Lion's Classic Ü (A72), NG (A23),<br>NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>5247 049 905</b> |



### Bracket for silencer

| suitable for                 | Order no.           |
|------------------------------|---------------------|
| <b>MAN</b> Lion's City (A20) | <b>8730 101 777</b> |



### Heat protection panel

| suitable for                                                                      | Order no.           | Comparative no. |
|-----------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A20/A21), NG (A23)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>4260 499 310</b> | Dinex 32819     |
| <b>Neoplan</b> Tourliner (N 2216)                                                 | <b>5230 236 762</b> | Dinex 49876     |
| <b>Setra</b> S 315/319 NF                                                         | <b>4260 069 818</b> | Dinex 69818     |
| <b>Volvo</b> B10B                                                                 | <b>8730 102 099</b> | Dinex 80895     |

This figure corresponds to 8730 102 099



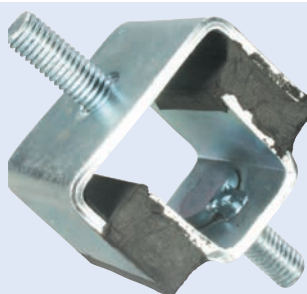
### Suspension elastic

| suitable for           | Order no.           | Comparative no. |
|------------------------|---------------------|-----------------|
| <b>Iveco</b> CityClass | <b>9990 000 056</b> | Dinex 28901     |



### Suspension elastic

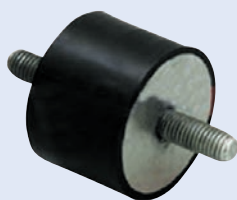
| suitable for                   | Order no.    | Comparative no.             |
|--------------------------------|--------------|-----------------------------|
| Mercedes-Benz Citaro I (O 530) | 8730 100 616 | Mercedes-Benz 300 492 00 82 |



### Rubber bearing

Length 33 mm  
Thread M10

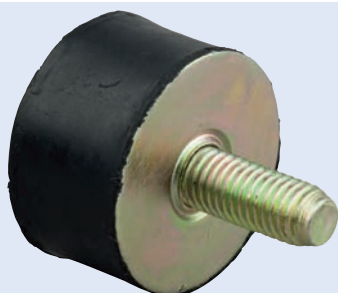
| suitable for                                                                                                                                                                                                                                                     | Order no.    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Mercedes-Benz Tourismo I (O 350), Travego I (O 580)<br>Setra S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH,<br>S 431 DT | 5247 069 804 |



### Rubber-to-metal bearing

Ø 48 mm  
Length 33 mm  
Thread M10

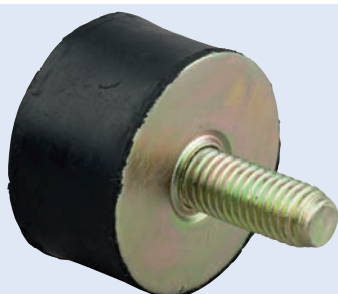
| suitable for                 | Order no.    | Comparative no. |
|------------------------------|--------------|-----------------|
| Irisbus Agora, Arès, Citelis | 8700 648 170 | Dinex 64817     |



### Rubber-to-metal bearing

| suitable for                        | Order no.    | Comparative no. |
|-------------------------------------|--------------|-----------------|
| Irisbus Agora, Arès, Evadys, Récréo | 4260 064 918 | Dinex 64918     |

(Illustration similar)

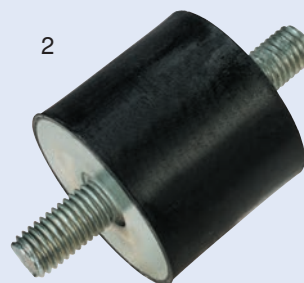
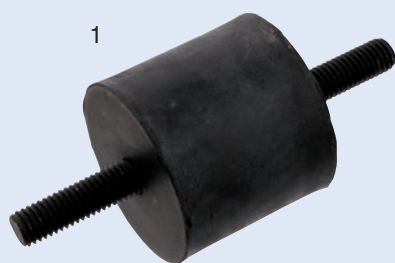


### Rubber-to-metal bearing

Thread M10

| suitable for                                                        | Length | Ø     | Order no.    |
|---------------------------------------------------------------------|--------|-------|--------------|
| MAN EL (A12), NG (A11), NL (A10/A15)                                | 35 mm  | 38 mm | 5247 049 910 |
| Setra S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | 30 mm  | 50 mm | 5247 020 950 |

(Illustration similar)



### Rubber-to-metal bearing

Outer Ø 50 mm

| suitable for                                                                          | Height | Thread | Thread length | Fig. | Order no.           |
|---------------------------------------------------------------------------------------|--------|--------|---------------|------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Regio, SÜ<br><b>Neoplan</b> Trendliner | 45 mm  | M10    | 34 mm         | 1    | <b>5231 325 613</b> |
| <b>Volvo</b> B7L, B7R, B10B, B10L, B10M, B12, B12B, B12R                              | 40 mm  | M12    | 20 mm         | 2    | <b>5247 080 950</b> |



### Nut for exhaust manifold

|              |            |
|--------------|------------|
| Thread       | M10 x 1,5  |
| Outer Ø      | 21,8 mm    |
| Thickness    | 11 mm      |
| Spanner size | 15 mm      |
| Class        | 8          |
| Surface      | galvanised |
| Contents     | 10 pieces  |

| suitable for      | Order no.           |
|-------------------|---------------------|
| <b>Volvo</b> B13R | <b>5870 258 040</b> |



**VICTOR REINZ**



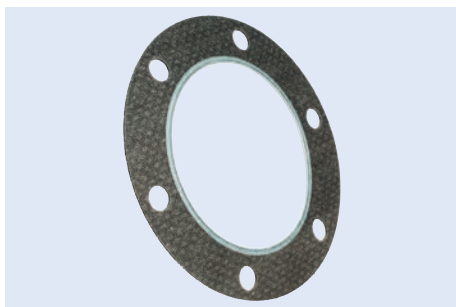
### Exhaust-manifold gasket

| suitable for                         | Order no.           | Comparative no.   |
|--------------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A35/A37/A66) | <b>8002 051 862</b> | Reinz 71-37112-00 |



### Exhaust-manifold gasket

| suitable for                                                                      | Order no.           |
|-----------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                       | <b>5821 140 085</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                       | <b>6170 318 160</b> |
| <b>Setra</b> S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT,<br>SG 321 UL |                     |

**VICTOR REINZ****Exhaust pipe gasket**

| suitable for        | Order no.           | Comparative no.   |
|---------------------|---------------------|-------------------|
| <b>MAN</b> NG (A23) | <b>8002 047 045</b> | Reinz 70-23275-20 |

**Exhaust pipe gasket**

| suitable for                                                                                                       | Order no.           |
|--------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's Comfort, Lion's Star (R02/R03), EL (A12), NG (A11/A23), NL (A10/A15)                             | <b>8002 535 314</b> |
| <b>Neoplan</b> Centroliner, Cityliner, Euroliner, Jetliner, Skyliner, Spaceliner, Starliner, Tourliner, Transliner |                     |
| <b>Setra</b> 300 series                                                                                            |                     |
| <b>Solaris</b> Urbino II/III                                                                                       |                     |
| <b>Temsa</b> Diamond                                                                                               |                     |

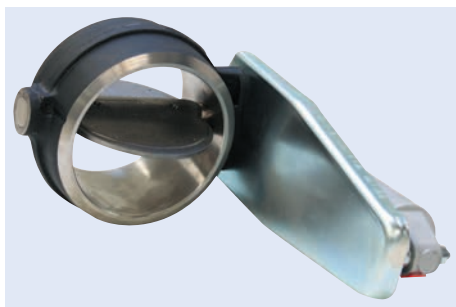
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**Exhaust flap  
for engine brake**

This figure corresponds to 1902 028 589

| suitable for                                                                                                    | Motor type                                       | Order no.           |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A39), NG (A24), NL (A22/A30)<br><b>Neoplan</b> Centroliner (N 45XX) | D2866 LUH 50/51,<br>Vehicles with CRT regulation | <b>5236 006 119</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26), NG (A24), NL (A22)<br><b>Neoplan</b> Centroliner (N 45XX)         | D2866 LUH                                        | <b>1902 028 589</b> |
| <b>MAN</b> Lion's Regio (R12/R13/R14)<br><b>Neoplan</b> Trendliner (N 35XX)                                     | D2066 LUH,<br>Vehicles with CRT regulation       | <b>5236 006 138</b> |



**WABCO**

**Working cylinder  
without internal travel limiter**

|                    |             |
|--------------------|-------------|
| Operating pressure | max. 10 bar |
| Ø                  | 35 mm       |
| Connection thread  | M12 x 1,5   |
| Piston rod thread  | M8          |

This figure corresponds to 0114 110 210

| suitable for                  | Length | Stroke | Order no.           | Comparative no.     |
|-------------------------------|--------|--------|---------------------|---------------------|
| <b>MAN</b> NG (A23)           | 185 mm | 65 mm  | <b>0114 110 210</b> | WABCO 421 411 021 0 |
| <b>Scania</b> K94/114/124/360 | 180 mm | 60 mm  | <b>0114 113 140</b> | WABCO 421 411 314 0 |

**WABCO**

**Working cylinder**

|                    |           |
|--------------------|-----------|
| Operating pressure | 4 bar     |
| Connection thread  | M14 x 1,5 |
| Stroke             | 25 mm     |

| suitable for              | Order no.           | Comparative no.     |
|---------------------------|---------------------|---------------------|
| <b>Irisbus</b> Euro rider | <b>3807 500 070</b> | WABCO 428 750 007 0 |



### Working cylinder

Connection thread M12 x 1.5

This figure corresponds to 3417 119 000

| suitable for                                                                     | Ø     | Stroke | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------|-------|--------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350)                                   | 28 mm | 50 mm  | <b>3417 111 500</b> | Knorr I58893    |
| <b>Mercedes-Benz</b> O 407, O 408                                                | 30 mm | 48 mm  | <b>3417 116 600</b> | Knorr I94326    |
| <b>Mercedes-Benz</b> Travego I (O 580)                                           | 50 mm | 48 mm  | <b>3417 119 000</b> | Knorr II32920   |
| <b>Setra</b> S 411 HD, S 431 DT, S 415/416/417 GT-HD,<br>S 416 GT-HD/2, S 417 UL |       |        |                     |                 |



### Working cylinder

This figure corresponds to 3417 044 601

| suitable for                                                              | Stroke | Outer Ø | Connection thread | Piston rod thread | Order no.           |
|---------------------------------------------------------------------------|--------|---------|-------------------|-------------------|---------------------|
| <b>MAN</b> Lion's City (A21/A23)<br><b>Solaris</b> Urbino III             | 48 mm  | 40 mm   | M8 x 1            | M8                | <b>3417 056 501</b> |
| <b>MAN</b> Lion's City (A37/A47/A78),<br>EL (A12), NG (A11), NL (A10/A15) | 45 mm  | 30 mm   | M8 x 1            | M8                | <b>3400 652 000</b> |
| <b>MAN</b> Lion's Classic Ü (A72)                                         | 40 mm  | 40 mm   |                   | M8                | <b>3417 044 601</b> |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216)        | 48 mm  | 54 mm   | M10 x 1           | M10               | <b>3461 100 000</b> |
| <b>Scania</b> K360/380                                                    | 60 mm  |         | M12 x 1,5         | M8                | <b>6170 118 675</b> |

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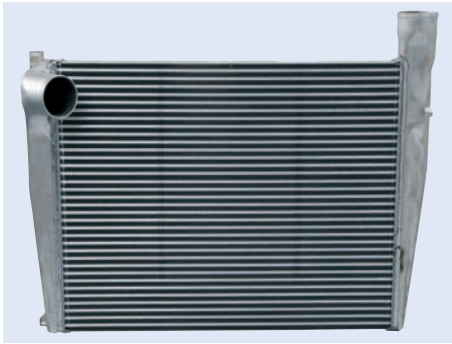
# Cooling

3



|                             |         |
|-----------------------------|---------|
| Charge air cooler . . . . . | 118-123 |
| Engine radiator . . . . .   | 124-126 |
| Expansion tank . . . . .    | 127-129 |
| Fan . . . . .               | 130-133 |
| Water pumps . . . . .       | 134-141 |

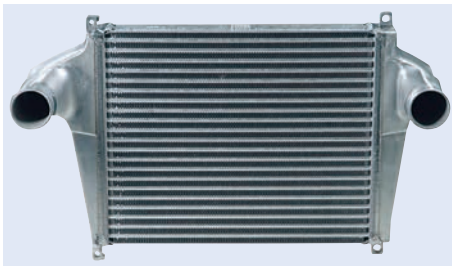




Charge air cooler

This figure corresponds to 9100 137 005

| suitable for                                                                                    | Length  | Height | Depth | Order no.           | Comparative no.       |
|-------------------------------------------------------------------------------------------------|---------|--------|-------|---------------------|-----------------------|
| <b>Heuliez</b> GX 327                                                                           | 593 mm  | 612 mm | 66 mm | <b>0376 724 421</b> | Hella 8ML 376 724-421 |
| <b>Irisbus</b> Agora, Citelis, Citelis CNG                                                      |         |        |       |                     |                       |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78)                                                | 752 mm  | 612 mm | 66 mm | <b>0376 724 351</b> | Hella 8ML 376 724-351 |
| <b>Neoplan</b> Centroliner (N 45XX)                                                             |         |        |       |                     |                       |
| <b>Solaris</b> Urbino III                                                                       |         |        |       |                     |                       |
| <b>MAN</b> Lion's Coach (R07)                                                                   | 840 mm  | 892 mm | 66 mm | <b>0376 724 431</b> | Hella 8ML 376 724-431 |
| <b>Neoplan</b> Tourliner (N 2216)                                                               |         |        |       |                     |                       |
| <b>Setra</b> S 415/417 GT-HD                                                                    |         |        |       |                     |                       |
| <b>MAN</b> Lion's Regio (R12/R13)                                                               | 931 mm  | 732 mm | 64 mm | <b>0376 755 451</b> | Hella 8ML 376 755-451 |
| <b>Neoplan</b> Trendliner (N 3516)                                                              |         |        |       |                     |                       |
| <b>Mercedes-Benz</b> Citaro II (O 530),<br>Integro II (O 550), Tourismo II                      | 931 mm  | 732 mm | 66 mm | <b>9100 137 005</b> | Hella 8ML 376 724-391 |
| <b>Setra</b> S 315 GT, S 315 UL, S 415/417/419 UL                                               |         |        |       |                     |                       |
| <b>Mercedes-Benz</b> Tourismo II, Travego I/II (O 580)                                          | 860 mm  | 792 mm | 66 mm | <b>0376 724 401</b> | Hella 8ML 376 724-401 |
| <b>Setra</b> S 315/317/319 GT-HD, S 411/415 HD,<br>S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD |         |        |       |                     |                       |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122),<br>tarliner (N 52XX), Tourliner (N 2216)  | 931 mm  | 732 mm | 64 mm | <b>0376 755 461</b> | Hella 8ML 376 755-461 |
| <b>Volvo</b> B5LH, B9TL, B12B, B12R                                                             | 1000 mm | 478 mm | 68 mm | <b>0376 792 051</b> | Hella 8ML 376 792-051 |
| <b>Volvo</b> B7L                                                                                | 877 mm  | 632 mm | 52 mm | <b>0376 724 341</b> | Hella 8ML 376 724-341 |



Charge air cooler

This figure corresponds to 9465 003 300

| suitable for                                         | Length  | Height | Depth | Order no.           |
|------------------------------------------------------|---------|--------|-------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)          | 723 mm  | 617 mm | 40 mm | <b>9100 267 120</b> |
| <b>MAN</b> Lion's City (A21), NG (A23), NL (A21)     | 750 mm  | 612 mm | 62 mm | <b>9100 467 002</b> |
| <b>Neoplan</b> Centroliner (N 45XX)                  |         |        |       |                     |
| <b>MAN</b> Lion's City (A78), Lion's Classic Ü (A72) | 695 mm  | 640 mm | 62 mm | <b>1902 028 363</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530)                | 745 mm  | 520 mm | 80 mm | <b>9465 001 100</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)               | 1000 mm | 655 mm | 65 mm | <b>9465 003 300</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408           | 500 mm  | 651 mm | 50 mm | <b>3880 137 170</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)              | 845 mm  | 710 mm | 73 mm | <b>3880 137 013</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)              | 660 mm  | 590 mm | 62 mm | <b>9100 137 150</b> |
| <b>Volvo</b> B13R                                    | 900 mm  | 891 mm | 52 mm | <b>9100 287 070</b> |
| <b>Volvo</b> B7R                                     | 905 mm  | 730 mm | 63 mm | <b>2860 097 006</b> |

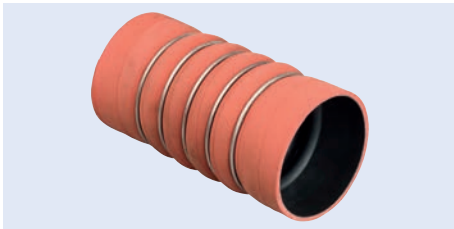




Charge air cooler

This figure corresponds to 9465 003 400

| suitable for                                                                                                                                                       | Length | Height | Depth | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)<br><b>Setra</b> S 415 NF                                                                            | 600 mm | 978 mm | 48 mm | <b>9465 003 400</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Turismo II<br><b>Setra</b> S 315 GT, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL,<br>S 415/417/419 UL | 931 mm | 732 mm | 66 mm | <b>9465 019 801</b> |



Charge air hose

This figure corresponds to 8000 946 382

| suitable for                                                                                                                                                                                                                              | Inner Ø        | Length | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23), Lion's Regio (R13)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                  | 90 mm          | 160 mm | <b>1911 043 009</b> |
| <b>MAN</b> Lion's City (A21), Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Trendliner (N 3516)                                                                                        | 90 mm          | 282 mm | <b>6170 006 402</b> |
| <b>MAN</b> Lion's City (A37/A47), Lion's Classic Ü (A72), Lion's Coach (R07/R08),<br>Lion's Regio (R13), NL (A10)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516) | 90 mm          | 120 mm | <b>1911 043 407</b> |
| <b>MAN</b> Lion's City (A47), NL (A10)                                                                                                                                                                                                    | 65 mm          | 180 mm | <b>5233 200 175</b> |
| <b>MAN</b> Lion's Classic Ü (A72), NG (A23), NL (A21)                                                                                                                                                                                     | 90 mm          | 130 mm | <b>5234 200 162</b> |
| <b>MAN</b> Lion's Classic Ü (A72), NG (A23), NL (A21)                                                                                                                                                                                     | 85 mm          | 205 mm | <b>5523 010 590</b> |
| <b>MAN</b> NL (A10)                                                                                                                                                                                                                       | 50 mm          | 155 mm | <b>5233 200 159</b> |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), O 405 N, O 407, O 408, Turismo I (O 350)                                                                                                                                                        | 100 mm         | 100 mm | <b>5821 094 983</b> |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Tourino (O 510)                                                                                                                                                                                 | 85 mm          | 195 mm | <b>1911 045 339</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), O 405 N, O 407, O 408, Turismo I (O 350)                                                                                                                                                          | 100 mm         | 200 mm | <b>8000 946 382</b> |
| <b>Mercedes-Benz</b> O 407, O 408, Turismo I (O 350)                                                                                                                                                                                      | 100 mm         | 250 mm | <b>8000 005 311</b> |
| <b>Mercedes-Benz</b> Turismo II<br><b>Setra</b> S 417 HDH, S 416/417 GT-HD                                                                                                                                                                | 115 mm         | 210 mm | <b>5529 000 180</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411 HD, S 416 HDH, S 431 DT                                                                                                                                                      | 115 mm         | 100 mm | <b>1325 299 708</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 416 GT-HD                                                                                                                                                                        | 100/<br>115 mm | 130 mm | <b>1911 043 433</b> |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                                                                                                         | 100 mm         | 235 mm | <b>5233 010 587</b> |
| <b>Scania</b> K360                                                                                                                                                                                                                        | 100 mm         | 182 mm | <b>1325 011 618</b> |
| <b>Scania</b> K94/114/124/380, L94                                                                                                                                                                                                        | 90 mm          | 100 mm | <b>9800 111 045</b> |

Continued on the next page ...

... continued from the previous page

| suitable for                     | Inner Ø | Length | Order no.           |
|----------------------------------|---------|--------|---------------------|
| <b>Setra S 419 UL</b>            | 100 mm  | 150 mm | <b>9460 000 781</b> |
| <b>Setra S 419 UL</b>            | 100 mm  | 190 mm | <b>9469 970 991</b> |
| <b>Volvo B7L, B7R, B9R, B12B</b> | 76 mm   | 245 mm | <b>1911 043 435</b> |
| <b>Volvo B9L</b>                 | 80 mm   | 390 mm | <b>6170 002 181</b> |
| <b>Volvo B9R, B12</b>            | 100 mm  | 148 mm | <b>6170 002 116</b> |

Cooling



**Charge air hose**

This figure corresponds to 1911 043 437

| suitable for                                                                             | Order no.           | Comparative no.             |
|------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra S 417 HDH, S 416/417 GT-HD</b>              | <b>1911 043 434</b> | Mercedes-Benz 001 501 88 82 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra S 411 HD, S 416/417 HDH, S 431 DT</b> | <b>9469 974 252</b> | Mercedes-Benz 002 997 42 52 |
| <b>Volvo B12, B12B, B12R</b>                                                             | <b>1911 043 436</b> | Volvo 1676199               |
| <b>Volvo B7L</b>                                                                         | <b>1911 043 437</b> | Volvo 1676216               |
| <b>Volvo B7R</b>                                                                         | <b>1325 049 137</b> | Volvo 8149137               |
| <b>Volvo B9L, B9R</b>                                                                    | <b>1325 012 237</b> | Volvo 21312237              |
| <b>Volvo B9L, B9R, B9TL</b>                                                              | <b>1911 043 438</b> | Volvo 20589123              |
| <b>Volvo B9L, B9TL</b>                                                                   | <b>1320 515 600</b> | Volvo 21312236              |



**Hose clip  
for charge air hose**

This figure corresponds to 1911 043 136

| suitable for                                                                                                                                                                                                                                                                                                  | Width   | Clamping range | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|---------------------|
| <b>MAN</b> Lion's City (A37), Lion's Classic Ü (A72), NL (A10)                                                                                                                                                                                                                                                | 15,8 mm | 70-92 mm       | <b>1911 043 136</b> |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07/R08),<br>Lion's Regio (R13), NL (A21), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro C2 (O 530), Tourino (O 510)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122),<br>Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | 15,8 mm | 83-105 mm      | <b>1911 043 137</b> |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                                                                                                                                                                                      | 15,8 mm | 83-105 mm      | <b>9469 972 990</b> |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                                                                                                                                                                  |         | 100-120 mm     | <b>2300 011 723</b> |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                                                                                                                                                                             | 15,8 mm | 95-117 mm      | <b>1911 043 138</b> |
| <b>Setra S 417 GT-HD</b>                                                                                                                                                                                                                                                                                      | 15,8 mm | 108-130 mm     | <b>1911 043 139</b> |
| <b>Setra S 419 UL</b>                                                                                                                                                                                                                                                                                         | 13 mm   | 55-75 mm       | <b>9460 003 529</b> |



# More than just hot air - the proper hoses for the highest demands!

**An important characteristic of the quality of hoses is the material used.**

Hoses are subject to the most varied requirements during the supply of liquids or air. If the material does not meet these demands, then in the worst case the vehicle may become unfit to drive. Charge air hoses made of rubber are often installed in series production. However, silicone applications cover a wider temperature range and moreover are the higher quality material.

Silicone is very resistant to external factors such as water or heat, it is a very good insulator and resists even the highest pressure demands. Depending on the application area, it is necessary to add additional reinforcement. This is obtained by an inner woven fabric made of polyester or to some extent by wrapping with a wire spiral.

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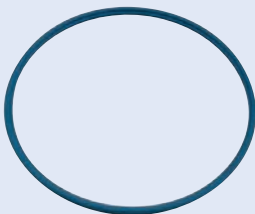
**Hose clip  
for charge air hose**

This figure corresponds to 6170 592 787

| suitable for                                                                      | Ø          | Width     | Order no.           | Comparative no.             |
|-----------------------------------------------------------------------------------|------------|-----------|---------------------|-----------------------------|
| <b>Irisbus</b> Crossway LE                                                        |            |           | <b>2594 231 714</b> | Irisbus 504231714           |
| <b>MAN</b> Lion's City (A21)                                                      | 98-100 mm  | 17 mm     | <b>5234 400 237</b> | MAN 81.97440-0237           |
| <b>MAN</b> Lion's Classic Ü (A72), NL (A10), NG (A23)                             | 100 mm     | 20 mm     | <b>5230 333 793</b> | MAN 81.97440-0170           |
| <b>MAN</b> NG (A23), NL (A21), NÜ (A20)                                           | 92 mm      | 15 mm     | <b>5234 606 027</b> | MAN 81.97460-6027           |
| <b>Neoplan</b> Centroliner (N 45XX)                                               |            |           |                     |                             |
| <b>MAN</b> NL (A10)                                                               | 75 mm      | 20 mm     | <b>5234 400 185</b> | MAN 81.97440-0185           |
| <b>MAN</b> NL (A10)                                                               |            |           | <b>5230 259 068</b> | MAN 06.67124-1021           |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530),<br>Conecto I (O 345)                 |            |           | <b>9465 040 033</b> | Mercedes-Benz 628 504 00 33 |
| <b>Mercedes-Benz</b> O 405 N                                                      |            |           | <b>9460 005 890</b> | Mercedes-Benz 000000 005890 |
| <b>Mercedes-Benz</b> Tourismo II, Travego I (O 580)                               | 108-130 mm | 15,8 mm   | <b>9469 971 490</b> | Mercedes-Benz 001 995 19 10 |
| <b>Setra</b> S 411 HD, S 416/417 HDH, S 431 DT,<br>S 416 GT-HD, S 416/417 GT-HD/2 |            |           |                     |                             |
| <b>Mercedes-Benz</b> Tourismo II, Travego II                                      |            |           | <b>9467 997 629</b> | Mercedes-Benz 007 997 62 90 |
| <b>Setra</b> S 411/415 HD, S 417 HDH, S 431 DT,<br>S 415 GT-HD                    |            |           |                     |                             |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                            | 20 mm      | 83-105 mm | <b>5231 241 234</b> | MAN 06.67124-1234           |
| <b>Scania</b> K360                                                                |            |           | <b>5831 880 969</b> | Scania 1880969              |
| <b>Scania</b> K94/114/360/380                                                     |            |           | <b>5831 928 397</b> | Scania 1928397              |
| <b>Volvo</b> B7R, B9L, B9R, B12B                                                  | 93,7 mm    |           | <b>6170 739 572</b> | Volvo 20739572              |
| <b>Volvo</b> B9L, B12B                                                            | 74 mm      |           | <b>6170 592 787</b> | Volvo 20592787              |

**Pipe clip  
for intake system**

| suitable for                             | Order no.           | Comparative no.    |
|------------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Citelis                   | <b>2593 083 108</b> | Irisbus 5003083108 |
| <b>Irisbus</b> Crossway LE               | <b>2596 024 702</b> | Irisbus 5006024702 |
| <b>Irisbus</b> Eurorider                 | <b>2597 769 591</b> | Irisbus 17769591   |
| <b>Irisbus</b> Eurorider, Magelys HD/Pro | <b>2598 150 294</b> | Irisbus 18150294   |



**Sealing ring  
for charge air hose**

Inner Ø 71,5 mm  
Thickness 3 mm  
Material MVQ (silicone rubber)

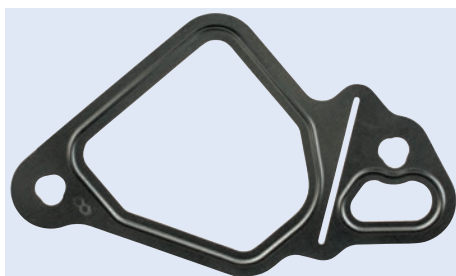
| suitable for     | Order no.           |
|------------------|---------------------|
| <b>Volvo</b> B7R | <b>1325 042 780</b> |

## Intake hose for air filter

| suitable for                                                                   | Order no.           | Comparative no.             |
|--------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530)                                          | <b>9468 528 038</b> | Mercedes-Benz 628 528 03 82 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                          | <b>9465 280 208</b> | Mercedes-Benz 628 528 02 08 |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 417 HDH,<br>S 416/417 GT-HD | <b>9465 018 882</b> | Mercedes-Benz 001 501 88 82 |

## Intake manifold for charge air cooler

| suitable for                                                         | Order no.           | Comparative no.   |
|----------------------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> NG (A23), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>5232 010 369</b> | MAN 81.08201-0369 |



This figure corresponds to 8002 051 796

**VICTOR REINZ**



## Intake-manifold gasket

| suitable for                                                                                                                                                                                              | Order no.           | Comparative no.   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 404, O 405 N, O 407,<br>O 408<br><b>Setra</b> S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | <b>8002 094 552</b> | Reinz 71-26069-20 |
| <b>MAN</b> NM                                                                                                                                                                                             | <b>8002 051 796</b> | Reinz 71-36649-00 |
| <b>Mercedes-Benz</b> Citaro I (O 530)<br><b>Setra</b> S 315/317/319 GT-HD, SG 321 UL,<br>S 415 HD, S 415/417 HDH, S 415 NF                                                                                | <b>8002 451 090</b> | Reinz 70-39089-00 |

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Engine radiator

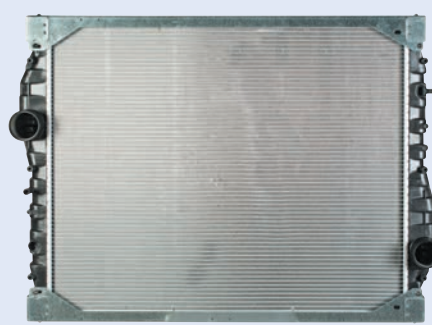
This figure corresponds to 0376 756 171

| suitable for                                                            | Length  | Width  | Depth | Order no.           | Comparative no.       |
|-------------------------------------------------------------------------|---------|--------|-------|---------------------|-----------------------|
| <b>Heuliez</b> GX 117, 127                                              | 708 mm  | 810 mm | 52 mm | <b>0376 721 771</b> | Hella 8MK 376 721-771 |
| <b>Irisbus</b> Arway, Crossway LE, Récréo II                            | 900 mm  | 708 mm | 52 mm | <b>0376 722 111</b> | Hella 8MK 376 722-111 |
| <b>Irisbus</b> Citelis, Citelis CNG                                     | 838 mm  | 850 mm | 42 mm | <b>0376 722 251</b> | Hella 8MK 376 722-251 |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216)      | 938 mm  | 920 mm | 42 mm | <b>0376 722 401</b> | Hella 8MK 376 722-401 |
| <b>MAN</b> Lion's Regio (R12/R13)<br><b>Neoplan</b> Trendliner (N 3516) | 1067 mm | 748 mm | 42 mm | <b>0376 755 421</b> | Hella 8MK 376 755-421 |
| <b>Scania</b> K360                                                      | 860 mm  | 688 mm | 40 mm | <b>0376 756 171</b> | Hella 8MK 376 756-171 |
| <b>Volvo</b> B9L, B9R, B12B                                             | 876 mm  | 807 mm | 52 mm | <b>0376 792 151</b> | Hella 8MK 376 792-151 |

1



2



## Engine radiator

### Application range

for vehicles with manual gearbox

| suitable for                                                                                                             | Length | Width  | Depth | Fig. | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------|--------|--------|-------|------|---------------------|
| <b>Fast</b> Scoler IV                                                                                                    | 689 mm | 810 mm | 52 mm | 1    | <b>0376 722 241</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A26/A37/A47/A78)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Solaris</b> Urbino III | 805 mm | 659 mm | 58 mm | 2    | <b>9100 261 890</b> |
| <b>MAN</b> Lion's City (A21/A25/A26), NG (A23), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX)                          | 860 mm | 689 mm | 40 mm |      | <b>3192 672 590</b> |





## Engine radiator

This figure corresponds to 8000 010 751

| suitable for                                                                                                                                              | Length  | Width   | Depth              | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|--------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23)                                                                                                                      | 708 mm  | 1020 mm | 52 mm              | <b>0376 749 821</b> |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                         | 768 mm  | 840 mm  | 74 mm <sup>1</sup> | <b>3880 260 011</b> |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Tourliner (N 2216),<br>Trendliner (N 3516)               | 1066 mm | 938 mm  | 40 mm              | <b>0376 755 431</b> |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF, S 415 NF                                                     | 1216 mm | 605 mm  | 52 mm              | <b>9100 733 480</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                                     | 785 mm  | 665 mm  | 95 mm              | <b>9100 131 001</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                                    | 1015 mm | 808 mm  | 52 mm              | <b>0946 500 503</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 415 NF                                                                                           | 605 mm  | 610 mm  | 52 mm              | <b>3880 130 040</b> |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                              | 637 mm  | 630 mm  | 80 mm              | <b>9100 131 321</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                | 636 mm  | 635 mm  | 60 mm              | <b>9100 131 351</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                   | 733 mm  | 700 mm  | 50 mm              | <b>9100 132 391</b> |
| <b>Mercedes-Benz</b> Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 315/317/319 GT-HD, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD | 1015 mm | 808 mm  | 42 mm              | <b>0376 722 361</b> |
| <b>Scania</b> K94/114/124, L94                                                                                                                            | 860 mm  | 690 mm  | 50 mm              | <b>8000 010 751</b> |
| <b>Solaris</b> Urbino III                                                                                                                                 | 850 mm  | 618 mm  | 44 mm              | <b>9100 290 012</b> |

<sup>1</sup> without side segments

Storage  
for engine radiator

|                          |              |
|--------------------------|--------------|
| Length                   | 110 mm       |
| Width                    | 48 mm        |
| Height                   | 35 mm        |
| Inner thread             | M10          |
| Bore hole Ø              | 9 mm         |
| Distance between centres | 90 mm        |
| Material                 | rubber/metal |

| suitable for        | Order no.           |
|---------------------|---------------------|
| <b>Scania</b> F/K/N | <b>8000 012 668</b> |

**Coolant sensor**

| suitable for                         | Order no.    |
|--------------------------------------|--------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 6170 337 006 |

**Coolant sensor**

Connection 2-pole, with connector  
Cable length 166/51,8 mm

| suitable for | Order no.    |
|--------------|--------------|
| Volvo B9R    | 1325 015 012 |

**Coolant temperature sensor**

switching point at 95 °C

Connection 2-pin  
Outer thread M14 x 1,5

**Scope of supply**  
with 200 mm cable

| suitable for            | Order no.    |
|-------------------------|--------------|
| MAN Lion's City, NG, NL | 9190 323 025 |

**Coolant temperature sensor**

Connection 2-pin  
Outer thread M14 x 1.5  
Spanner size 22 mm

**Scope of supply**  
with seal

| suitable for                                                                                                                           | Order no.    |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Setra S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/317 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT | 9460 462 921 |



### Surge tank for coolant

This figure corresponds to 0376 705 471

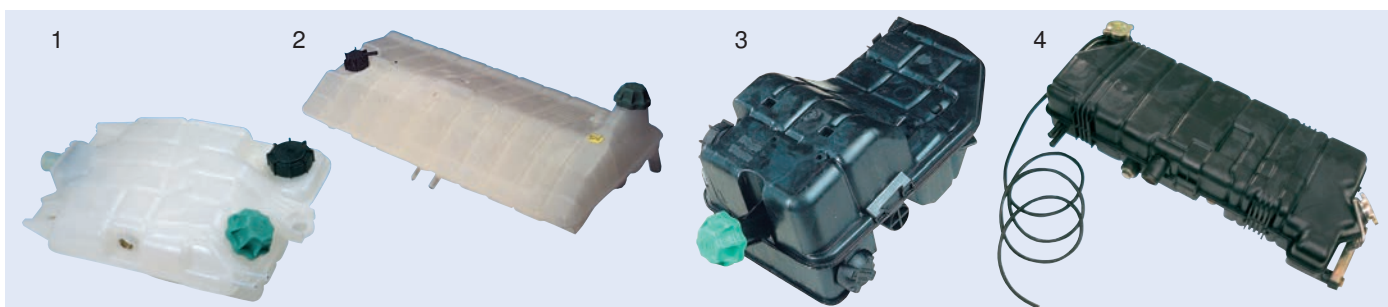
| suitable for                                                                               | Length | Width  | Height | Order no.                        | Comparative no.       |
|--------------------------------------------------------------------------------------------|--------|--------|--------|----------------------------------|-----------------------|
| <b>Irisbus</b> Citelis, Citelis CNG                                                        | 589 mm | 460 mm | 197 mm | <b>0376 737 001</b>              | Hella 8MA 376 737-001 |
| <b>MAN</b> Lion's City (A37/A47)                                                           | 742 mm | 321 mm | 130 mm | <sup>1</sup> <b>1100 129 005</b> | Hella 8MA 376 705-341 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530),<br>Conecto I (O 345)<br><b>Setra</b> S 415 NF | 566 mm | 289 mm | 444 mm | <sup>2</sup> <b>0376 705 471</b> | Hella 8MA 376 705-471 |

<sup>1</sup> with threaded bush

<sup>2</sup> short filler neck

3

Cooling



### Surge tank for coolant

| suitable for                                                                                                                                                                         | Length | Width  | Height | Fig. | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|------|---------------------|
| <b>Heuliez</b> GX 327, 427                                                                                                                                                           | 589 mm | 460 mm | 275 mm | 1    | <b>2591 215 631</b> |
| <b>Irisbus</b> Citelis                                                                                                                                                               |        |        |        |      |                     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), EL (A12), NG (A11), NL (A10/A15/A21),<br>NÜ (A20)                                   | 743 mm | 321 mm | 130 mm | 2    | <b>9100 262 160</b> |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N<br>1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                     |        |        |        |      |                     |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                                                               | 566 mm | 289 mm | 444 mm | 3    | <b>9100 134 070</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, O 405 N,<br>O 407, O 408, Tourino (O 510), Turismo I/II (O 350), Travego I/II (O 580)                        | 246 mm | 698 mm | 156 mm | 4    | <b>9100 130 000</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD, S 315 UL, S 411/415 HD,<br>S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD |        |        |        |      |                     |
| <b>Solaris</b> Urbino III                                                                                                                                                            |        |        |        |      |                     |
| <b>VDL</b> Bova Futura                                                                                                                                                               |        |        |        |      |                     |



Cooling

3 Surge tank for coolant

| suitable for                                                                      | Fig. | Order no.    |
|-----------------------------------------------------------------------------------|------|--------------|
| MAN Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10/A15)                      | 1    | 9101 026 118 |
| Setra S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 2    | 5821 500 050 |
| Volvo B7R, B9L                                                                    | 3    | 8003 979 764 |

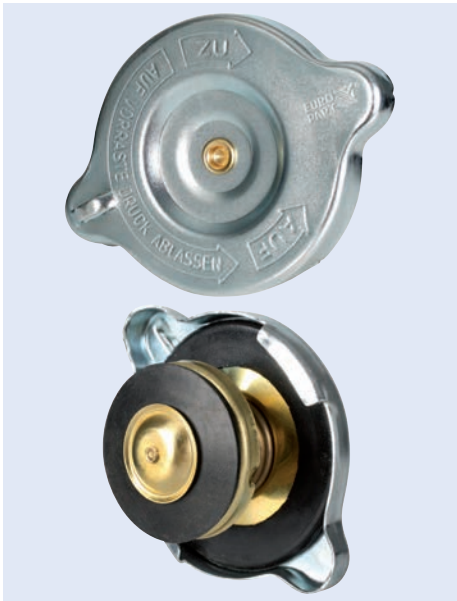


Surge tank for coolant

Colour transparent

Scope of supply without cap and valve

| suitable for                                      | Order no.    |
|---------------------------------------------------|--------------|
| Volvo B5LH, B7L, B9TL, B9R, B12, B12B, B12R, B13R | 6170 003 451 |



Cover lid

Opening pressure 1 bar  
Surface galvanised

| suitable for                         | Order no.    |
|--------------------------------------|--------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 9196 060 001 |

**Cover lid**

| suitable for                                                                                                                                                                                                                                                                          | Opening pressure | Outer Ø | Surface    | Fig.           | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------|------------|----------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                                                                                                                                           | 1,2 bar          | 63 mm   |            | 1              | <b>1129 210 018</b> |
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3,<br>S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH,<br>S 431 DT<br><b>VDL</b> Bova Futura | 0,7 bar          |         | galvanised | 3 <sup>1</sup> | <b>9196 050 000</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3,<br>S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319<br>UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT                                                                                                 | 0,7 bar          |         | galvanised | 2              | <b>1129 242 171</b> |

<sup>1</sup> with chain**Cover lid**

| suitable for               | Order no.           |
|----------------------------|---------------------|
| <b>Heuliez</b> GX 217, 417 | <b>6170 001 580</b> |
| <b>Setra</b> S 315/319 NF  | <b>1325 050 170</b> |
| <b>Volvo</b> B9R           | <b>6170 001 304</b> |

This figure corresponds to 6170 001 580

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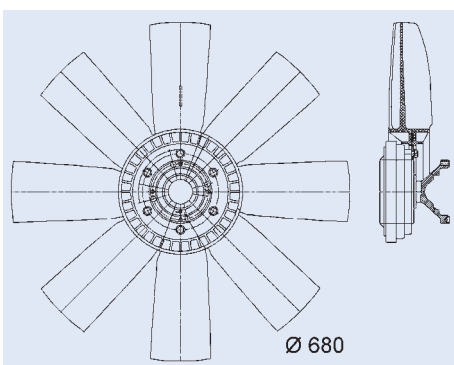
[www.europart.net](http://www.europart.net)



### Radiator fan

|                  |         |
|------------------|---------|
| Version          | thermal |
| Ø                | 630 mm  |
| Number of blades | 9       |

| suitable for                               | Order no.           |
|--------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | <b>1888 000 010</b> |



### Radiator fan

|                  |        |
|------------------|--------|
| Ø                | 680 mm |
| Number of blades | 8      |

| suitable for     | Order no.           | Comparative no.       |
|------------------|---------------------|-----------------------|
| <b>Volvo</b> B7L | <b>9100 288 090</b> | Hella 8MV 376 731-311 |



### Radiator fan in exchange

This figure corresponds to 9100 268 251

| suitable for                                                        | Ø      | Number of blades | Order no.           |
|---------------------------------------------------------------------|--------|------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10/A15) | 650 mm | 8                | <b>9100 268 251</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                             | 720 mm | 9                | <b>9100 138 240</b> |



## Radiator fan

| suitable for                                                            | Order no.           | Comparative no.             |
|-------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's Coach (R08)                                           | <b>5236 010 284</b> | MAN 51.06601-0284           |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Tourliner (N 2216) |                     |                             |
| <b>Mercedes-Benz</b> O 405 N                                            | <b>9460 500 006</b> | Mercedes-Benz 000 500 00 64 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                 | <b>9462 054 006</b> | Mercedes-Benz 003 205 40 06 |
| <b>Solaris</b> Urbino III                                               | <b>7560 405 010</b> | Solaris 1806 405 010        |



Fan wheel

This figure corresponds to 0376 728 111

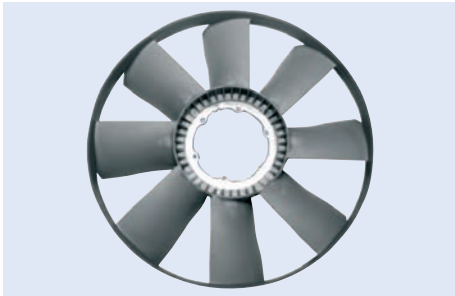
| suitable for                                                                                                                                                               | Outer Ø | Number of blades | Order no.           | Comparative no.       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|---------------------|-----------------------|
| <b>Irisbus</b> Arway                                                                                                                                                       | 680 mm  | 9                | <b>0376 757 771</b> | Hella 8MV 376 757-771 |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                                        | 654 mm  | 8                | <b>0376 733 101</b> | Hella 8MV 376 733-101 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)                                                                                                             |         |                  |                     |                       |
| <b>Setra</b> S 415 NF                                                                                                                                                      |         |                  |                     |                       |
| <b>MAN</b> Lion's City (A21/A37/A47), NG (A23)                                                                                                                             | 704 mm  | 8                | <b>0376 733 181</b> | Hella 8MV 376 733-181 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourino (O 510)                                                                                                                     |         |                  |                     |                       |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                        |         |                  |                     |                       |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R12/R13)                                                                                              | 754 mm  | 9                | <b>0376 728 111</b> | Hella 8MV 376 757-721 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                                           |         |                  |                     |                       |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourismo I/II (O 350), Travego I/II (O 580)                                                                    | 750 mm  | 8                | <b>0376 758 231</b> | Hella 8MV 376 758-231 |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL |         |                  |                     |                       |



Fan wheel

This figure corresponds to 1851 698 223

| suitable for                           | Outer Ø | Number of blades | Order no.           | Comparative no. |
|----------------------------------------|---------|------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro II (O 530) | 654 mm  | 8                | <b>1851 698 223</b> | Beru LR012      |
| <b>Scania</b> K94/124, L94             | 680 mm  | 9                | <b>1851 698 412</b> | Beru LR028      |



Fan wheel

This figure corresponds to 9100 139 790

| suitable for                                                                                                           | Outer Ø | Number of blades | Order no.           |
|------------------------------------------------------------------------------------------------------------------------|---------|------------------|---------------------|
| <b>MAN</b> Lion's City (A21/A23/A37/A47), NG (A23)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Solaris</b> Urbino III | 704 mm  | 9                | <b>5236 010 256</b> |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF                               | 750 mm  | 8                | <b>9100 139 790</b> |
| <b>Volvo</b> B5LH, B9TL, B10B, B12B                                                                                    | 560 mm  | 6                | <b>6179 516 517</b> |



Fan wheel

This figure corresponds to 5236 010 069

| suitable for                                                            | Outer Ø | Order no.           | Comparative no.   |
|-------------------------------------------------------------------------|---------|---------------------|-------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                             | 650 mm  | <b>5236 010 069</b> | MAN 81.06601-0069 |
| <b>MAN</b> Lion's City (A20/A78)<br><b>Neoplan</b> Centroliner (N 45XX) | 720 mm  | <b>5236 010 072</b> | MAN 81.06601-0072 |
| <b>MAN</b> Lion's City (A21/A23)                                        |         | <b>5236 010 073</b> | MAN 81.06601-0073 |
| <b>Volvo</b> B7R                                                        |         | <b>6170 320 661</b> | Volvo 70320661    |



Radiator fan coupling

Version electrical  
Voltage 24 V

Scope of supply  
without fan

| suitable for                                | Order no.           |
|---------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>9100 268 140</b> |

## Radiator fan coupling

| suitable for                                                                                                                                                                         | Order no.           | Comparative no.             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's City (A21), Lion's Regio (R13)<br><b>Neoplan</b> Tourliner (N 2216)                                                                                                | <b>5236 606 059</b> | MAN 81.06660-6059           |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>Setra</b> S 315/319 NF, S 415 NF                                                                                                   | <b>9468 500 092</b> | Mercedes-Benz 628 500 18 22 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                                                               | <b>9465 000 322</b> | Mercedes-Benz 628 500 03 22 |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 315/319 NF                                                                                                                  | <b>9465 000 722</b> | Mercedes-Benz 628 500 07 22 |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415/417/419 UL | <b>9465 004 122</b> | Mercedes-Benz 000 500 34 22 |



## Radiator fan coupling

| suitable for                                                                                                                                                                                 | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH,<br>S 431 DT, S 416 GT-HD | <b>9465 000 422</b> |

## Fan hub

| suitable for                                                    | Order no.           | Comparative no.             |
|-----------------------------------------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's City (A37), NG (A23)<br><b>Solaris</b> Urbino | <b>5236 040 035</b> | MAN 81.06604-0035           |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                          | <b>9465 060 714</b> | Mercedes-Benz 628 506 07 14 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                          | <b>9465 000 222</b> | Mercedes-Benz 628 500 02 22 |



## Hydraulic motor

with leak oil connection

| suitable for                                                                                                                                                                                                                               | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Fast</b> Syter<br><b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37),<br>Lion's Classic (A72/A74/A75), Lion's Coach (R07/R08),<br>Lion's Star (R02/R03), NG (A11), NL (A10)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Temsa</b> Safari | <b>3600 024 210</b> |

## Hydraulic motor

| suitable for       | Order no.           | Comparative no. |
|--------------------|---------------------|-----------------|
| <b>Scania</b> K114 | <b>1325 740 937</b> | Scania 470937   |
| <b>Scania</b> K360 | <b>5832 032 383</b> | Scania 2032383  |
| <b>Scania</b> K380 | <b>5832 032 382</b> | Scania 2032382  |

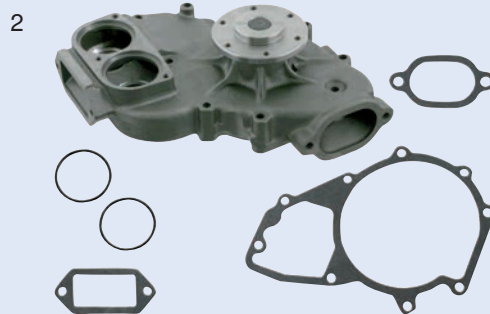
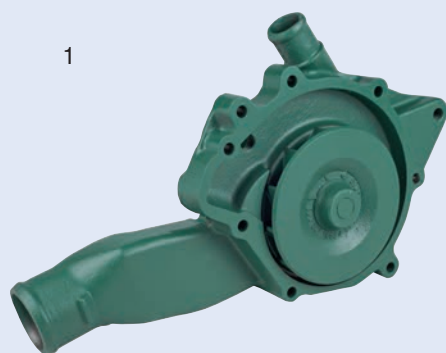


### Water pump as replacement

Scope of supply  
with seal set

| suitable for                                                                                                                                                                                   | Type     | Version                  | Fig. | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520), Conecto I (O 345), Tourino (O 510)                                                                                                        | 220 998  | with impeller            | 1    | <b>9150 000 725</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415 HD, S 415/417 HDH                      | 220 1053 | with retarder connection | 2    | <b>9462 000 501</b> |
| <b>Mercedes-Benz</b> O 407, O 408, Tourismo I (O 350)<br><b>Setra</b> S 309 HD                                                                                                                 | 220 873  |                          | 3    | <b>9150 000 015</b> |
| <b>Mercedes-Benz</b> O 407<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 220 728  | with impeller            | 4    | <b>9150 000 110</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315/317 HDH/3, S 315/317/319 GT-HD, S 411/415 HD, S 415/416/417 HDH, S 431 DT                                                         | 220 881  | with retarder connection | 5    | <b>9460 000 033</b> |

**For exact assignment of the water pump to the respective engine,  
please ask our sales staff for advice!**



### Water pump in exchange

| suitable for                                                                                                                                    | Scope of supply | Fig. | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                               | with seal       | 1    | <b>9150 000 630</b> |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Integro II (O 550), O 405 N, O 408, Tourismo I/II (O 350), Travego I/II (O 580) | with gasket kit | 2    | <b>9460 027 724</b> |
| <b>Setra</b> S 315 UL, S 415 HD, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL                                                                |                 |      |                     |



### Water pump

| suitable for                                                                  | Fig. | Order no.           |
|-------------------------------------------------------------------------------|------|---------------------|
| <b>Irisbus</b> Agora                                                          | 5    | <b>9072 201 111</b> |
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE, Eurorider, Récréo II | 1    | <b>9070 409 280</b> |
| <b>Iveco</b> CityClass                                                        |      |                     |
| <b>MAN</b> Lion's City (A20/A21/A23), Lion's Regio (R12/R13)                  | 2    | <b>9152 201 091</b> |
| <b>Neoplan</b> Trendliner (N 3516)                                            |      |                     |
| <b>Scania</b> K114/380                                                        | 3    | <b>8000 570 964</b> |
| <b>Volvo</b> B12                                                              | 6    | <b>9072 201 084</b> |
| <b>Volvo</b> B12B, B12M, B12R                                                 | 4    | <b>1325 215 680</b> |





This figure corresponds to 6170 215 246

### Water pump

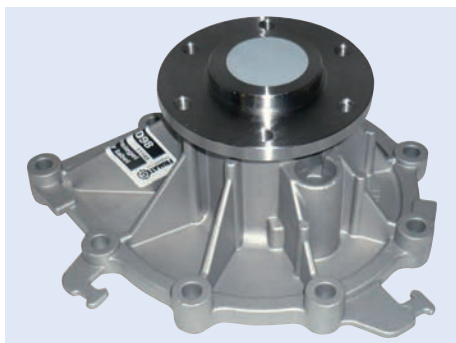
| suitable for              | Scope of supply | Order no.    |
|---------------------------|-----------------|--------------|
| Heuliez GX 117            |                 | 6421 450 892 |
| Irisbus Agora             |                 | 6422 858 484 |
| Scania K114/380           | complete        | 1325 070 965 |
| Scania Serie 4            |                 | 1325 096 752 |
| Volvo B7L, B7R            | with seals      | 6170 215 246 |
| Volvo B9L, B9R, B9S, B9TL |                 | 1325 015 681 |



### Water pump

| suitable for                                                                                                                                                                                                        | Scope of supply          | Fig. | Order no.    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------|--------------|
| <b>MAN</b> Lion's City (A21), Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R12), Lion's Star (R02), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516) | with seals               | 1    | 1911 043 113 |
| <b>MAN</b> Lion's City (A37/A47)                                                                                                                                                                                    | with seal                | 2    | 1911 043 176 |
| <b>MAN</b> Lion's City (A37/A78)                                                                                                                                                                                    | with seal                | 3    | 9072 201 113 |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                                                                                   | with seal                | 4    | 1100 030 595 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)                                                                                                                                                                           | with seal                | 5    | 1911 043 016 |
| <b>Mercedes-Benz</b> Travego II<br><b>Setra</b> S 411 HD, S 416/417 HDH, S 431 DT                                                                                                                                   | with seal                | 6    | 1911 043 432 |
| <b>Scania</b> K94                                                                                                                                                                                                   | with seal, without cover | 7    | 8000 012 793 |
| <b>Volvo</b> B9L, B9R, B9TL                                                                                                                                                                                         | with seal                | 8    | 1911 014 920 |





This figure corresponds to 9152 201 098

## Water pump

| suitable for                                                                                                                               | Scope of supply | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| <b>Mercedes-Benz</b> Travego (O 580)<br><b>Setra</b> S 412, S 415-417, S 419, S 431 DT                                                     | with seals      | <b>9462 002 501</b> |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-),<br>Starliner (N 52XX), Tourliner (N 2216) | with seal       | <b>9152 201 098</b> |
| <b>Scania</b> K114/380                                                                                                                     | <sup>1</sup>    | <b>8001 789 522</b> |

<sup>1</sup> Pulley Ø 150 mm



## Water pump

Type 220 1075

**Scope of supply**  
with gasket kit

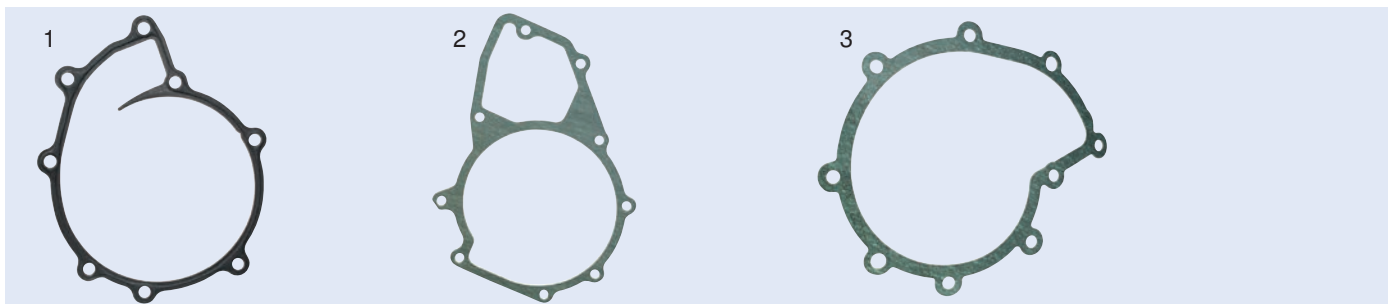
| suitable for                                                                                   | Order no.           |
|------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Intouro II, Tourino (O 510)<br><b>Setra</b> S 415 NF | <b>2222 002 701</b> |



## Water pump

**Scope of supply**  
with seal and sleeve

| suitable for                | Order no.           |
|-----------------------------|---------------------|
| <b>Scania</b> K114/124, L94 | <b>8000 010 731</b> |



## Water pump seal

| suitable for                                                              | Fig. | Order no.           | Comparative no.   |
|---------------------------------------------------------------------------|------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A37/A47), Lion's Classic Ü (A72)                  | 1    | <b>8002 051 805</b> | Reinz 71-36711-00 |
| <b>MAN</b> Lion's Coach (R07), Lion's Classic Ü (A72), Lion's Regio (R12) | 2    | <b>8022 504 936</b> | Reinz 70-24502-10 |
| <b>Scania</b> K114/124, L94                                               | 3    | <b>8002 000 159</b> | Reinz 70-35947-00 |



## Water pump seal

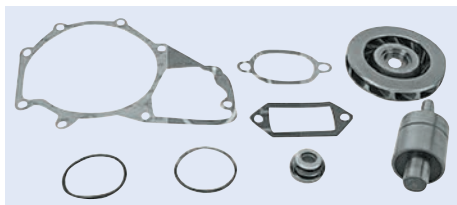
| suitable for                                             | Order no.           |
|----------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Star (R02/R03) | <b>8002 531 655</b> |
| <b>Neoplan</b> Starliner (N 52XX), Tourliner (N 2216)    |                     |



## Water pump seal

| suitable for                      | Order no.           |
|-----------------------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72) | <b>9150 001 113</b> |
| <b>Scania</b> K114/124, L94       | <b>8000 002 014</b> |
| <b>Scania</b> K124                | <b>8000 002 013</b> |
| <b>Scania</b> K94                 | <b>9800 111 221</b> |

This figure corresponds to 8000 002 013



## Repair kit for water pump

| suitable for                          | Order no.           |
|---------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530) | <b>6170 490 926</b> |



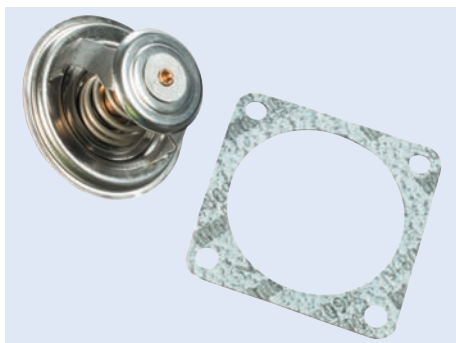
## Belt pulley for water pump

| suitable for                   | Order no.           |
|--------------------------------|---------------------|
| <b>Scania</b> K94/114/124, L94 | <b>6031 535 068</b> |



## Coolant thermostat

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Opening temperature | Ø          | Scope of supply   | Fig. | Order no.    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|-------------------|------|--------------|
| <b>Heuliez</b> GX 317, 327, 427<br><b>Irisbus</b> Agora, Citelis CNG, Crossway LE<br><b>Iveco</b> CityClass<br><b>MAN</b> NL (A10/A15)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 79 °C               | 67 mm      | with seal         | 1    | 9100 210 579 |
| <b>Fast Syter</b> (Euro 4)<br><b>MAN</b> Lion's City (A20/A21/A23/A37/A78),<br>Lion's Classic Ü (A72), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), NG (A23), NL (A21)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530),<br>Conecto I (O 345), Integro II (O 550), Intouro II,<br>O 405 N, O 407, O 408, Tourino (O 510),<br>Turismo I/II (O 350), Travego I/II (O 580)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX),<br>Skyliner (N 1122/2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/<br>317 HDH/3, S 328 DT, S 315 GT, S 315/317/<br>319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD,<br>S 415/416/417 HDH, S 431 DT, S 415/416/<br>417 GT-HD, S 415/417/419 UL | 83 °C               | 67 mm      | with seal         | 2    | 9100 000 007 |
| <b>Irisbus</b> Arès, Iliade<br><b>Volvo</b> B7L, B7R, B10B, B10M, B12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 82 °C               | 57,6/73 mm | with sealing ring | 3    | 6170 000 035 |
| <b>Irisbus</b> Eurorider, Magelys HD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 79 °C               |            | with seal         |      | 2594 071 087 |
| <b>MAN</b> Lion's City, Lion's Coach, Lion's Classic,<br>Lion's Star, Lion's Regio, EL, NG, NL, SÜ, ÜL<br><b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408,<br>Turismo I (O 350)<br><b>Setra</b> S 431 DT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 71 °C               |            | without seal      |      | 6170 460 668 |
| <b>Volvo</b> B12B, B12R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 86 °C               |            | with sealing ring |      | 1325 015 641 |
| <b>Volvo</b> B9L, B12B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 76 °C               | 110/70 mm  |                   |      | 6172 123 715 |
| <b>Volvo</b> B9L, B9R, B9TL, B12B, B12R, B13R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 82 °C               |            | with sealing ring |      | 1325 015 077 |



### Coolant thermostat

Scope of supply  
with seal

This figure corresponds to 9101 004 596

| suitable for                       | Opening temperature | Ø        | Version          | Order no.           |
|------------------------------------|---------------------|----------|------------------|---------------------|
| <b>Heuliez</b> GX 317              | 83 °C               | 85/47 mm |                  | <b>9101 004 596</b> |
| <b>Irisbus</b> Agora, Arès, Iliade |                     |          |                  |                     |
| <b>Setra</b> S 415 NF              | 92 °C               | 67/43 mm | with ventilation | <b>9101 001 376</b> |



# MAHLE

### Coolant thermostat

| suitable for                                | Opening temperature | Scope of supply   | Fig. | Order no.           |
|---------------------------------------------|---------------------|-------------------|------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | 83 °C               |                   | 1    | <b>9101 001 357</b> |
| <b>Volvo</b> B7L, B7R                       | 75 °C               | with sealing ring | 2    | <b>1911 020 356</b> |



### Thermostat set

Opening temperature 86 °C

Scope of supply  
with seal

| suitable for                                            | Order no.           |
|---------------------------------------------------------|---------------------|
| <b>Irisbus</b> Arway, Crossway LE, Eurorider, Récréo II | <b>6170 000 036</b> |
| <b>Volvo</b> B12                                        |                     |



## Double thermostat

|                     |              |
|---------------------|--------------|
| Opening temperature | 80 °C        |
| Ø                   | 52,8/91,8 mm |
| Height              | 7,5/42,5 mm  |

| suitable for                              | Order no.    |
|-------------------------------------------|--------------|
| Scania K94/114/124/360/380, L94, OmniCity | 9990 000 552 |

## Accessories



| Description                        | Order no.    |
|------------------------------------|--------------|
| Seal for coolant double thermostat | 9990 000 554 |

3

Cooling



**VICTOR REINZ**



## Thermostat sealing ring

|         |       |
|---------|-------|
| Inner Ø | 60 mm |
| Outer Ø | 68 mm |

This figure corresponds to 8022 502 128

| suitable for               | Material                       | Order no.    |
|----------------------------|--------------------------------|--------------|
| MAN Lion's Classic Ü (A72) | NBR (nitrile butadiene rubber) | 8022 502 128 |
| MAN Lion's Classic Ü (A72) | paper                          | 8002 000 212 |



## Sealing ring for coolant pipeline

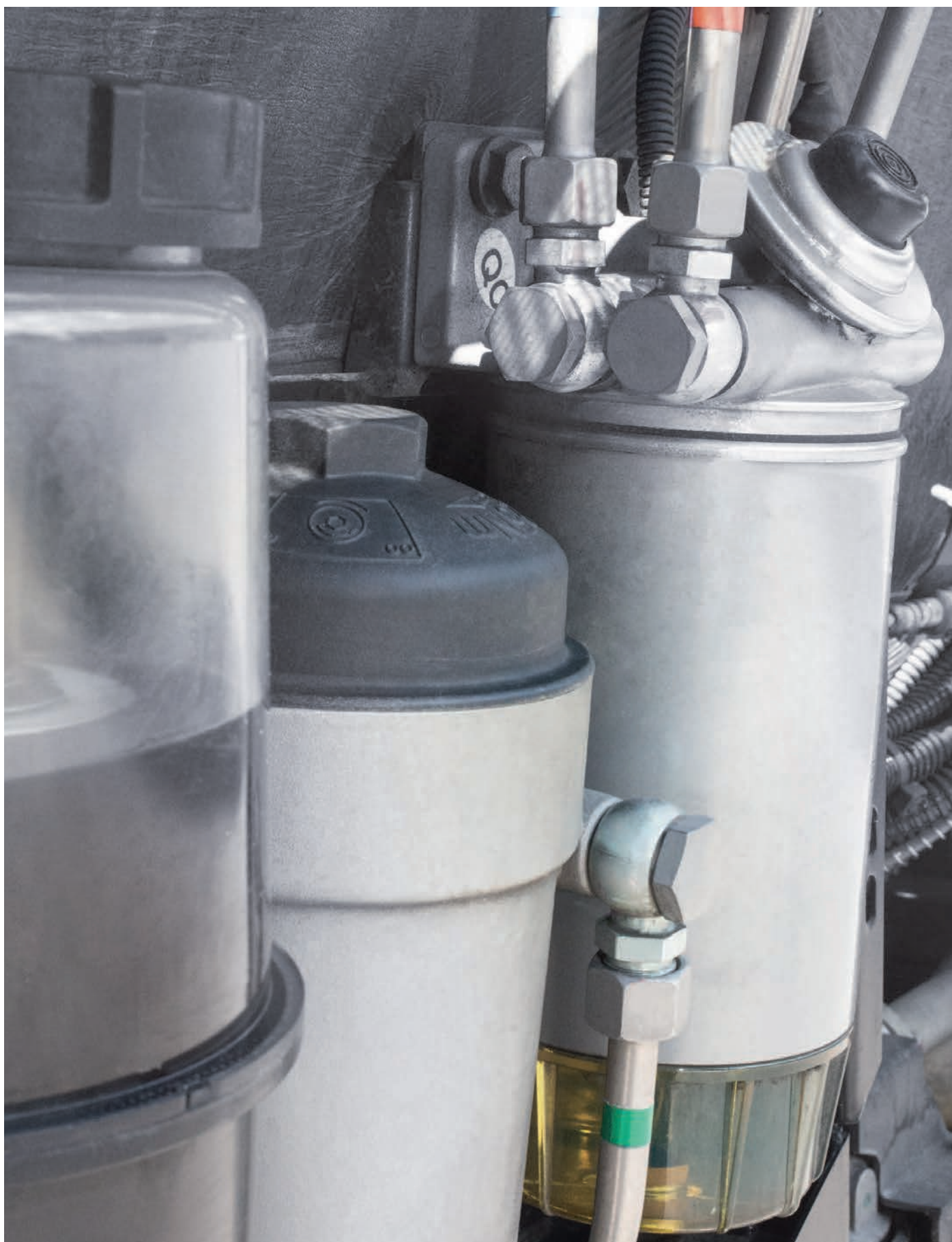
|           |         |
|-----------|---------|
| Outer Ø   | 29,5 mm |
| Thickness | 6 mm    |

| suitable for | Order no.    |
|--------------|--------------|
| Volvo B9L    | 6170 215 060 |



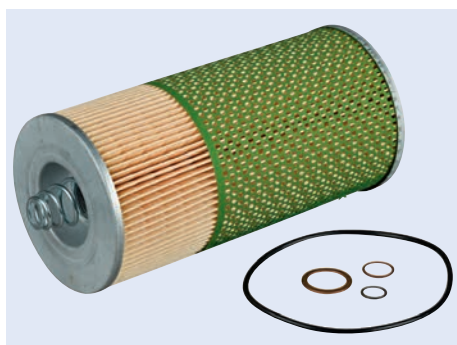
# Filters

4





|                            |         |
|----------------------------|---------|
| Oil filter. . . . .        | 144-146 |
| Fuel filter . . . . .      | 147-150 |
| Urea filter . . . . .      | 151     |
| Air filter. . . . .        | 152-154 |
| Hydraulic filter . . . . . | 155-157 |
| Cabin filter . . . . .     | 158-161 |
| Coolant filter. . . . .    | 162     |



**EURO  
PART**  
Oil filter

This figure corresponds to 9020 121 102

Filters

| suitable for                                                                                                                                 | Order no.           | Comparative no.                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------|
| <b>Fast</b> Scoler II                                                                                                                        | <b>9022 314 400</b> | Hengst H200W10<br>MANN W 11 102/11                                |
| <b>Irisbus</b> Agora, Arès, Iliade, Récréo                                                                                                   |                     |                                                                   |
| <b>Volvo</b> B7L, B7R, B10B, B10M, B12                                                                                                       |                     |                                                                   |
| <b>Fast</b> Scoler III                                                                                                                       | <b>9022 327 600</b> | Hengst H210W01<br>MANN W 1160<br>Knecht/Mahle OC 206              |
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10/A15), NÜ (A20)                                     |                     |                                                                   |
| <b>Neoplan</b> Centroliner (N 44XX)                                                                                                          |                     |                                                                   |
| <b>Solaris</b> Urbino II/III                                                                                                                 |                     |                                                                   |
| <b>Fast</b> Syter                                                                                                                            | <b>9020 013 810</b> | Hengst E13H D47<br>MANN HU 1381 x<br>Knecht/Mahle OX 146D ECO     |
| <b>MAN</b> Lion's Coach (R07)                                                                                                                |                     |                                                                   |
| <b>Neoplan</b> Centroliner (N 44XX), Starliner (N 52XX), Tourliner (N 2216)                                                                  |                     |                                                                   |
| <b>Temsa</b> Safari                                                                                                                          |                     |                                                                   |
| <b>Heuliez</b> GX 327, 427                                                                                                                   | <b>9020 011 707</b> | Hengst H230W<br>MANN W 1170/7<br>Knecht/Mahle OC 474              |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Citelis, Citelis CNG, Crossway LE, Domino, New Domino, Evadys, Magelys, Récréo, Récréo II |                     |                                                                   |
| <b>Iveco</b> CityClass                                                                                                                       |                     |                                                                   |
| <b>MAN</b> Lion's City (A20/A21), Lion's Classic Ü (A72), Lion's Regio (R12), EL (A12), NG (A11/A23), NL (A10/A15/A21)                       | <b>9020 121 102</b> | Hengst D 11 E 251-14<br>MANN H 12 110/2 x<br>Knecht/Mahle OX 69D  |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                   |                     |                                                                   |
| <b>Neoplan</b> Centroliner (N 45XX), Trendliner (N 3516)                                                                                     |                     |                                                                   |
| <b>Setra</b> S 309 HD, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                     |                     |                                                                   |
| <b>Temsa</b> Safari                                                                                                                          |                     |                                                                   |
| <b>MAN</b> Lion's Coach (R08)                                                                                                                | <b>9020 947 100</b> | Hengst E197H D31<br>MANN HU 947/1 n<br>Knecht/Mahle OX 137 D2 ECO |
| <b>MAN</b> NL (A10/A15)                                                                                                                      | <b>9020 001 275</b> | Hengst E174H D11<br>MANN H 1275 x<br>Knecht/Mahle OX 71D          |
| <b>Setra</b> S 315/319 NF                                                                                                                    |                     |                                                                   |
| <b>Mercedes-Benz</b> Citaro II (O 530), Travego I (O 580)                                                                                    | <b>9020 121 400</b> | Hengst E500H D129<br>MANN HU 12 140 x<br>Knecht/Mahle OX 168 D    |
| <b>Setra</b> S 315/317 HDH/3, S 315/317/319 GT-HD, S 411/415 HD, S 415/416/417 HDH, S 431 DT                                                 |                     |                                                                   |
| <b>Scania</b> K94/114/124/380, L94                                                                                                           | <b>9022 314 402</b> | Hengst H200W20<br>MANN W 11 102/14<br>Knecht/Mahle OC 246         |
| <b>Volvo</b> B7L, B9L, B9R, B9TL, B12, B12B, B12R, B13R                                                                                      |                     |                                                                   |
| <b>Solaris</b> Urbino II/III                                                                                                                 | <b>9020 000 903</b> | Hengst Z12 D64<br>MANN ZR 903 x<br>Knecht/Mahle OZ 5D             |
| <b>Van Hool</b> A330, AG300, T911                                                                                                            |                     |                                                                   |
| <b>VDL</b> Bova Futura, Bova Lexio, Bova Magiq, Bova Synergy                                                                                 |                     |                                                                   |
| <b>VDL</b> Bova Futura                                                                                                                       | <b>9020 095 018</b> | Hengst H19W08<br>MANN W 950/18<br>Knecht/Mahle OC 320             |
| <b>Volvo</b> B7L, B7R, B10B, B10M, B12                                                                                                       | <b>9025 540 040</b> | Hengst H200W10<br>MANN W 11 102/4<br>Knecht/Mahle OC 121          |
| <b>Volvo</b> B7L, B9R, B9L, B9TL, B12, B12B, B12R                                                                                            | <b>9021 110 200</b> | Hengst H200WN01<br>MANN WP 11 102<br>Knecht/Mahle OC 121 J        |



Oil filter

This figure corresponds to 3359 000 559

| suitable for                                                                                                                       | Order no.           | Comparative no.    |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Fast Syter</b>                                                                                                                  | <b>9750 103 145</b> | Hengst E13H D47    |
| <b>MAN</b> Lion's Coach (R07)                                                                                                      |                     |                    |
| <b>Neoplan</b> Centroliner (N 44XX), Starliner (N 52XX), Tourliner (N 2216)                                                        |                     |                    |
| <b>Temsa</b> Safari                                                                                                                |                     |                    |
| <b>Heuliez</b> GX 117, 127                                                                                                         | <b>9750 001 910</b> | Hengst H19W10      |
| <b>Irisbus</b> Arway LE, Crossway, Midys, Proxys, Récréo                                                                           |                     |                    |
| <b>Heuliez</b> GX 327, 427                                                                                                         | <b>9751 011 707</b> | Hengst H230W       |
| <b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Citelis CNG, Crossway LE, Domino, New Domino, Evadys, Magelys, Récréo, Récréo II |                     |                    |
| <b>Iveco</b> CityClass                                                                                                             |                     |                    |
| <b>Irisbus</b> Agora                                                                                                               | <b>9750 104 290</b> | Hengst H18W07      |
| <b>Irisbus</b> Agora, Arès, Iliade                                                                                                 | <b>9750 104 561</b> | Hengst Z10 D64     |
| <b>Irisbus</b> Iliade GTX, Moovy                                                                                                   | <b>3565 404 389</b> | Hengst E39H D120   |
| <b>Iveco</b> CityClass                                                                                                             |                     |                    |
| <b>MAN</b> Lion's Coach (R07)                                                                                                      |                     |                    |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                  |                     |                    |
| <b>MAN</b> Lion's City (A20/A21/A23), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                               | <b>3359 000 559</b> | Hengst E422H D86   |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)            |                     |                    |
| <b>Temsa</b> Diamond                                                                                                               |                     |                    |
| <b>Van Hool</b> A330, AG300, T911/916/917/918/919                                                                                  |                     |                    |
| <b>MAN</b> Lion's City (A20/A21), Lion's Classic Ü (A72), Lion's Regio (R12), NG (A23), NL (A21)                                   | <b>9750 103 350</b> | Hengst E251H D11   |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                         |                     |                    |
| <b>Neoplan</b> Centroliner (N 45XX), Trendliner (N 3516)                                                                           |                     |                    |
| <b>Temsa</b> Safari                                                                                                                |                     |                    |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II        | <b>2127 001 816</b> | Hengst E161H01 D28 |
| <b>Setra</b> S 315 UL, S 415 NF, S 415/417/419 UL                                                                                  |                     |                    |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                             | <b>9750 103 082</b> | Hengst E110M D02   |
| <b>Mercedes-Benz</b> Turismo I/II (O 350), Travego I/II (O 580)                                                                    | <b>3359 175 129</b> | Hengst E175H D129  |
| <b>Setra</b> S 415 HD, S 417 HDH, S 415/416/417 GT-HD                                                                              |                     |                    |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                                                             | <b>9750 103 259</b> | Hengst E89H D213   |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD                                   |                     |                    |
| <b>Scania</b> K114                                                                                                                 | <b>9750 104 331</b> | Hengst H200W20     |
| <b>Scania</b> K114/124/360/380                                                                                                     | <b>9750 104 391</b> | Hengst H24W05      |
| <b>Scania</b> K360                                                                                                                 | <b>9750 103 130</b> | Hengst E123H D194  |
| <b>Scania</b> K94/114/124/380, L94                                                                                                 | <b>9750 104 332</b> | Hengst H200W40     |
| <b>Volvo</b> B7L, B9L, B9R, B9TL, B12, B12B, B12R, B13R                                                                            |                     |                    |
| <b>Scania</b> K94/124                                                                                                              | <b>9750 103 578</b> | Hengst E41H        |

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| suitable for                                                                                                                                    | Order no.           | Comparative no.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
| <b>Solaris</b> Urbino II/III, Vacanza<br><b>Temsa</b> Safari<br><b>Van Hool</b> A330<br><b>VDL</b> Bova Futura, Bova Lexio, Bova Magiq          | <b>9750 103 509</b> | Hengst E34H D213 |
| <b>Solaris</b> Urbino II/III<br><b>Van Hool</b> A330, T911<br><b>VDL</b> Bova Futura FHD/FLD, Bova Lexio LD/LLD, Bova Magiq HD, Bova Synergy DD | <b>9750 104 563</b> | Hengst Z12 D64   |
| <b>Solaris</b> Vacanza<br><b>Van Hool</b> T915/916/917/918/919<br><b>VDL</b> Bova Magiq, Bova Synergy DD/SDD                                    | <b>9750 103 988</b> | Hengst E89H D213 |
| <b>VDL</b> Bova Magiq MHD, Bova Synergy SDD                                                                                                     | <b>9750 104 567</b> | Hengst Z16 D183  |
| <b>Volvo</b> B7R, B5LH                                                                                                                          | <b>9750 041 686</b> | Hengst E416H D86 |

4

Filters

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| suitable for                                                                                                                                                                                                        | Order no.           | Comparative no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|
| <b>Fast</b> Scoler III, Syter (Euro 4)                                                                                                                                                                              | <b>9020 001 059</b> | Hengst E422 KP D98        |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                                                                                                    |                     | MANN PU 1059 x            |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                             |                     | Knecht/Mahle KX 191/1 D   |
| <b>Heuliez</b> GX 327, 427                                                                                                                                                                                          | <b>9020 000 210</b> | Hengst H60WK01            |
| <b>Irisbus</b> Arway, Arway LE, Citelis, Crossway LE, Evadys, Magelys, Récréo II                                                                                                                                    |                     | MANN WK 731               |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KC 6         |
| <b>Irisbus</b> Agora, Citelis, Evadys, New Domino                                                                                                                                                                   | <b>9020 001 149</b> | Hengst H152WK             |
| <b>Iveco</b> CityClass                                                                                                                                                                                              |                     | MANN WK 1149              |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KC 171       |
| <b>Irisbus</b> Axer, Récréo                                                                                                                                                                                         | <b>9020 094 036</b> | MANN WK 940/36 x          |
| <b>Irisbus</b> Eurorider                                                                                                                                                                                            | <b>9022 450 000</b> | Hengst H70WK09            |
| <b>Iveco</b> CityClass                                                                                                                                                                                              |                     | MANN WK 950/6             |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KC 186       |
| <b>Iveco</b> CityClass                                                                                                                                                                                              | <b>9022 432 900</b> | Hengst H60WK09            |
|                                                                                                                                                                                                                     |                     | MANN WK 724               |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KC 6         |
| <b>MAN</b> Lion's City (A20/A21), Lion's Coach (R07/R08), Lion's Regio (R12), Lion's Star (R02/R03), NL (A21)                                                                                                       | <b>9020 000 855</b> | Hengst E56KP D72          |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                                                        |                     | MANN PU 855 x             |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KX 73/1D ECO |
| <b>MAN</b> Lion's City (A21), Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)                                                                                                                | <b>9027 240 001</b> | Hengst H70WDK14           |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourino (O 510), Turismo I (O 350), Travego I (O 580)                                                                                                                      |                     | MANN WDK 725              |
| <b>Neoplan</b> Centroliner (N 44XX), Euroliner (N 3316), Megashuttle (N 4032), Starliner (N 22X)                                                                                                                    |                     | Knecht/Mahle KC 102       |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 417 UL                                              |                     |                           |
| <b>Solaris</b> Urbino II                                                                                                                                                                                            |                     |                           |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Integro II (O 550), Turismo I/II (O 350), Travego I (O 580)                                                                                         | <b>9020 009 991</b> | Hengst E500KP02D36        |
| <b>Setra</b> S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL |                     | MANN PU 999/1 x           |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KX 80 D      |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)                                                                                                                                                            | <b>9020 010 603</b> | Hengst H7090WK30          |
| <b>Solaris</b> Urbino III                                                                                                                                                                                           |                     | MANN WK 1060/3 x          |
| <b>Volvo</b> B7R, B12                                                                                                                                                                                               |                     | Knecht/Mahle KC 249D      |
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Intouro II, Tourino (O 510), Turismo I/II (O 350), Travego I (O 580)                                                                                     | <b>9020 010 461</b> | Hengst E52KP D36          |
| <b>Setra</b> S 315 UL, S 415 HD, S 415/417 GT-HD, S 415/417/419 UL                                                                                                                                                  |                     | MANN PU 1046/1 x          |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408, Turismo I (O 350)                                                                                                                                                       | <b>9025 503 490</b> | Hengst E10KFR4 D10        |
| <b>Setra</b> S 309 HD                                                                                                                                                                                               |                     | MANN BFU 900 x            |
|                                                                                                                                                                                                                     |                     | Knecht/Mahle KX 65D ECO   |

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| suitable for                                                                                                            | Order no.           | Comparative no.                                                   |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------|
| <b>Neoplan</b> Transliner (N 316/N 316 H)<br><b>Solaris</b> Urbino II<br><b>Van Hool</b> T815<br><b>VDL</b> Bova Futura | <b>9020 005 298</b> | Hengst H17WK03<br>MANN WDK 940/5<br>Knecht/Mahle KC 117           |
| <b>Scania</b> K380                                                                                                      | <b>9020 009 411</b> | Hengst E68KP01 D73<br>MANN PU 941/1 x<br>Knecht/Mahle KX 182D ECO |
| <b>Scania</b> K94, Omnicity                                                                                             | <b>9020 000 818</b> | Hengst H17WK04<br>MANN WK 940/12<br>Knecht/Mahle KC 186           |
| <b>Scania</b> K94/114/124, L94                                                                                          | <b>9020 009 402</b> | Hengst H17WK11<br>MANN WK 940/2<br>Knecht/Mahle KC 184            |
| <b>Solaris</b> Urbino III<br><b>VDL</b> Bova Futura                                                                     | <b>9020 009 992</b> | Hengst E66KP D36<br>MANN PU 999/2 x<br>Knecht/Mahle KX 181D ECO   |
| <b>Solaris</b> Urbino III<br><b>VDL</b> Bova Futura                                                                     | <b>9020 000 420</b> | Hengst H710WK<br>MANN PL 420 x<br>Knecht/Mahle KC 296D            |
| <b>Volvo</b> B7L, B7R, B12                                                                                              | <b>9020 000 648</b> | Hengst H18WK03<br>MANN WK 962/7<br>Knecht/Mahle KC 75             |
| <b>Volvo</b> B9L, B9R, B12B, B12R                                                                                       | <b>9020 111 021</b> | Hengst H200WDK<br>MANN WDK 11 102/9<br>Knecht/Mahle KC 251        |



(Illustration similar)



## Fuel filter

| suitable for                                                                                                                                                                                                                                                                                                          | Order no.           | Comparative no.   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>Fast</b> Scoler II<br><b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Civis, Crealis, Crossway, Domino, Europolis, Evadys, Iliade<br><b>Iveco</b> CityClass<br><b>VDL</b> Bova Futura FDH/FHM/FLD/FVD                                                                                                            | <b>9750 104 474</b> | Hengst H60WK06    |
| <b>Fast</b> Scoler III, Syter (Euro 4)<br><b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Temsa</b> Diamond<br><b>Van Hool</b> A330 | <b>2300 008 093</b> | Hengst E422KP D98 |

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| suitable for                                                                                                                                                                                                                           | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Fast Syter</b><br><b>MAN</b> Lion's City (A20/A21/A23)                                                                                                                                                                              | <b>9750 104 490</b> | Hengst H70WDK15     |
| <b>Heuliez</b> GX 117, 127<br><b>Irisbus</b> Arway LE, Crossway LE, Europolis, Evadys, Midys, Récréo                                                                                                                                   | <b>9750 104 305</b> | Hengst H18WK05      |
| <b>Heuliez</b> GX 327, 427<br><b>Irisbus</b> Agora, Arway, Arway LE, Axer, Citelis, Crealis, Crossway LE, Domino, New Domino, Evadys, Magelys, Récréo<br><b>Iveco</b> CityClass                                                        | <b>9750 104 336</b> | Hengst H201WDK      |
| <b>Heuliez</b> GX 327, 427<br><b>Irisbus</b> Agora, Arway, Arway LE, Citelis, Crealis, Crossway LE, Domino, New Domino, Eurorider, Evadys, Magelys, Récréo<br><b>Iveco</b> CityClass                                                   | <b>9750 104 364</b> | Hengst H215WK       |
| <b>Irisbus</b> Agora                                                                                                                                                                                                                   | <b>9750 104 115</b> | Hengst H101WK       |
| <b>Irisbus</b> Agora, Arway, Axer, Domino, Eurorider, Récréo                                                                                                                                                                           | <b>9750 104 300</b> | Hengst H18WDK04     |
| <b>Irisbus</b> Iliade GTX<br><b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | <b>9750 103 122</b> | Hengst E11S03 D65   |
| <b>MAN</b> Lion's City (A20/A21/A23), NG (A23)                                                                                                                                                                                         | <b>9746 600 001</b> | Hengst E21K         |
| <b>MAN</b> Lion's City (A20/A21), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)                                                             | <b>9750 103 121</b> | Hengst E11S03 D132  |
| <b>MAN</b> Lion's City (A21/A23), Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)<br><b>Neoplan</b> Tourliner (N 2216)                                                                                          | <b>9750 000 006</b> | Hengst E6KS         |
| <b>MAN</b> Lion's City (A35/A66), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                            | <b>9750 103 011</b> | Hengst E0530K01     |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Conecto I (O 345)<br><b>Setra</b> S 415 NF                                                                                                                                                   | <b>9750 104 486</b> | Hengst H7091WK10    |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Turismo I (O 350), Travego I (O 580)                                                                                                                                         | <b>3359 000 557</b> | Hengst E500KP02 D36 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourino (O 510), Turismo I/II (O 350), Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416 HDH, S 431 DT, S 416/417 GT-HD, S 415/417/419 UL                    | <b>3565 429 204</b> | Hengst H701WK       |
| <b>Mercedes-Benz</b> Citaro II (O 530), Intouro II<br><b>Setra</b> S 328 DT                                                                                                                                                            | <b>9750 103 124</b> | Hengst E11S04 D65   |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                   | <b>9750 103 123</b> | Hengst E11S04 D132  |
| <b>Neoplan</b> Skyliner (2011-)                                                                                                                                                                                                        | <b>9750 103 001</b> | Hengst E1030K01     |
| <b>Neoplan</b> Transliner (N 316/N 316H)<br><b>Solaris</b> Urbino II<br><b>Van Hool</b> T815<br><b>VDL</b> Bova Futura                                                                                                                 | <b>9750 104 056</b> | Hengst H17WK03      |
| <b>Scania</b> K360                                                                                                                                                                                                                     | <b>6200 013 164</b> | Hengst E103KP D197  |
| <b>Solaris</b> Urbino III, Vacanza<br><b>Van Hool</b> T911/915/916/917/918/919, TD925/927                                                                                                                                              | <b>9750 104 506</b> | Hengst H710WK       |
| <b>Solaris</b> Urbino III, Vacanza<br><b>Van Hool</b> T915/916/917/918/919<br><b>VDL</b> Bova Futura, Bova Magiq                                                                                                                       | <b>9750 008 273</b> | Hengst E82KP D36    |
| <b>Solaris</b> Urbino III<br><b>VDL</b> Bova Futura                                                                                                                                                                                    | <b>9750 103 803</b> | Hengst E66KP D36    |
| <b>VDL</b> Bova Futura FVD                                                                                                                                                                                                             | <b>9750 104 492</b> | Hengst H70WK02      |
| <b>Volvo</b> B5LH, B7R                                                                                                                                                                                                                 | <b>9750 104 482</b> | Hengst H7062WK30    |
| <b>Volvo</b> B7R, B5LH                                                                                                                                                                                                                 | <b>9750 041 636</b> | Hengst E416KP D36   |
| <b>Volvo</b> B9L, B9R, B9TL, B12B, B12R                                                                                                                                                                                                | <b>9750 104 478</b> | Hengst H700WK       |
| <b>Volvo</b> B9L, B9R, B9TL, B13R                                                                                                                                                                                                      | <b>9750 104 334</b> | Hengst H200WDK01    |



Fuel filter

This figure corresponds to 9740 092 320

| suitable for                                                                                      | Order no.           | Comparative no.             |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Agora, Arès, Citelis, Evadys                                                       | <b>9720 722 480</b> | MANN WK 940/15              |
| <b>Irisbus</b> Arway, Citelis, Crossway                                                           | <b>9740 016 600</b> | MANN P 66 x                 |
| <b>MAN</b> Lion's City (A20/A21/A23), NG (A23), NL (A21)                                          |                     |                             |
| <b>Mercedes-Benz</b> Citaro I/C2 (O 530), Conecto I (O 345), Turismo I (O 350), Travego I (O 580) |                     |                             |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 122), Starliner (N 52XX), Trendliner (N 3516)      |                     |                             |
| <b>Volvo</b> B7, B9, B12                                                                          |                     |                             |
| <b>Irisbus</b> Axer, Récréo                                                                       | <b>9740 094 036</b> | MANN WK 940/36 x            |
| <b>Irisbus</b> Récréo                                                                             | <b>9720 723 285</b> | MANN P 929/1                |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                       | <b>3600 434 011</b> | Bosch 2 457 434 011         |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                             | <b>9740 092 320</b> | MANN WK 923/2x              |
| <b>Mercedes-Benz</b> O 405 N                                                                      | <b>6170 460 145</b> | Mercedes-Benz 307 470 01 06 |
| <b>Mercedes-Benz</b> O 405 N, O 408                                                               | <b>3600 060 259</b> | Bosch 1 457 434 004         |
| <b>Setra</b> S 315/317/319 GT-HD                                                                  |                     |                             |
| <b>Solaris</b> Urbino III                                                                         | <b>6200 019 754</b> | Solaris 0112 142 040        |
| <b>Volvo</b> B12B, B12R                                                                           | <b>9740 001 020</b> | MANN WK 1020 x              |
| <b>Volvo</b> B9L, B9R, B9TL, B13R                                                                 | <b>9740 010 006</b> | MANN WK 10 006 z            |



Fuel pre-filter system

Preline 420

| suitable for              | Order no.           | Comparative no.    |
|---------------------------|---------------------|--------------------|
| <b>Solaris</b> Urbino III | <b>9740 004 200</b> | MANN 66 606 62 982 |

You'll find a diesel bleeding unit on page 637.



Urea filter

This figure corresponds to 3565 430 767

| suitable for                                                                                                        | Order no.           | Comparative no.   |
|---------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>Irisbus</b> Access Bus, Arway, Citelis, Crealis, Crossway LE, Eurorider, Magelys HD, Proway, Proxys              | <b>3565 430 767</b> | Hengst E101U D178 |
| <b>Solaris</b> Urbino III                                                                                           |                     |                   |
| <b>Van Hool</b> A330, AG300, T915/916/917/918/919                                                                   |                     |                   |
| <b>VDL</b> Berkhof Ambassador, Bova Futura, Bova Lexio, Bova Magiq, Bova Synergy                                    |                     |                   |
| <b>Volvo</b> B7, B9, B12                                                                                            |                     |                   |
| <b>Irisbus</b> Arway, Crealis, Crossway, Midirider, Proway, Proxys                                                  | <b>9750 103 023</b> | Hengst E100U D160 |
| <b>Volvo</b> B5LH, B9L, B9R, B9TL, B12B, B13R                                                                       |                     |                   |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550), Intouro II, Tourino (O 510), Tourismo II, Travego II | <b>9750 103 044</b> | Hengst E102U D179 |
| <b>Setra</b> S 315 UL, S 411 HD, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL                          |                     |                   |

### Urea filter

| suitable for                  | Order no.           | Comparative no.   |
|-------------------------------|---------------------|-------------------|
| <b>Irisbus</b> Magelys HD/Pro | <b>2594 190 958</b> | Irisbus 504190958 |

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PART**  
Air filter

This figure corresponds to 9022 563 100

Filters

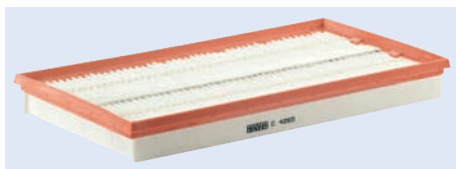
| suitable for                                                                           | Order no.           | Comparative no.       |
|----------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Fast Syter</b>                                                                      | <b>9020 007 080</b> | Hengst E118L          |
| <b>MAN</b> Lion's Coach (A13/A32), Lion's Star (R02)                                   |                     | MANN C 30 850/2       |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                |                     | Knecht/Mahle LX 273   |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216)                                |                     |                       |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT                      |                     |                       |
| <b>Solaris</b> Urbino II                                                               |                     |                       |
| <b>Temsa</b> Safari                                                                    |                     |                       |
| <b>Irisbus</b> Arès                                                                    | <b>9020 321 447</b> | Hengst E452L          |
|                                                                                        |                     | MANN C 32 1447        |
|                                                                                        |                     | Knecht/Mahle LX 713   |
| <b>Iveco</b> CityClass                                                                 | <b>9020 007 030</b> | Hengst E117L          |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                             |                     | MANN C 24 650/1       |
|                                                                                        |                     | Knecht/Mahle LX 271   |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                            | <b>9022 718 700</b> | Hengst E214L          |
| <b>Mercedes-Benz</b> O 404                                                             |                     | MANN C 24 508         |
|                                                                                        |                     | Knecht/Mahle LX 345   |
| <b>MAN</b> Lion's City (A20/A21/A23), NG (A23), NL (A21), NÜ (A20)                     | <b>9020 025 978</b> | Hengst E426L          |
| <b>Neoplan</b> Centroliner (N 45XX)                                                    |                     | MANN C 25 978         |
|                                                                                        |                     | Knecht/Mahle LX 619   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)                         | <b>9020 308 503</b> | Hengst E118L04        |
| <b>Setra</b> S 315/319 NF, S 415 NF                                                    |                     | MANN C 30 850/3       |
|                                                                                        |                     | Knecht/Mahle LX 1606  |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD | <b>9020 331 840</b> | Hengst E272L          |
|                                                                                        |                     | MANN C 33 1840        |
|                                                                                        |                     | Knecht/Mahle LX 674   |
| <b>Temsa</b> Safari                                                                    | <b>9020 025 496</b> | Hengst E307L          |
|                                                                                        |                     | MANN C 25 730/1       |
|                                                                                        |                     | Knecht/Mahle LX 560/1 |
| <b>Volvo</b> B10B                                                                      | <b>9023 110 932</b> | Hengst E291L          |
|                                                                                        |                     | MANN C 31 1093/2      |
|                                                                                        |                     | Knecht/Mahle LX 93    |
| <b>Volvo</b> B7L, B7R, B9R, B13R                                                       | <b>9022 563 100</b> | Hengst E496L01        |
|                                                                                        |                     | MANN C 31 1345/1      |
|                                                                                        |                     | Knecht/Mahle LX 1587  |



Air filter

This figure corresponds to 3565 420 027

| suitable for                                                                                                                                                                                                                                                                                                                  | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Fast Scoler II</b>                                                                                                                                                                                                                                                                                                         | <b>9750 103 892</b> | Hengst E761L    |
| <b>Irisbus</b> Agora, Citelis, Moovy, Récréo<br><b>Mercedes-Benz</b> Integro II (O 550)<br><b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                                                                                                                            | <b>9750 103 480</b> | Hengst E320L    |
| <b>Irisbus</b> Arway, Crossway LE, Domino, Eurorider, Evadys, Récréo II<br><b>Iveco</b> CityClass, EuroClass                                                                                                                                                                                                                  | <b>9750 103 878</b> | Hengst E743L    |
| <b>Irisbus</b> Proway, Proxys<br><b>Iveco</b> CityClass                                                                                                                                                                                                                                                                       | <b>9750 103 847</b> | Hengst E713L    |
| <b>Iveco</b> CityClass<br><b>Mercedes-Benz</b> O 405 N, O 407, O 408<br><b>Setra</b> S 309 HD, S 315 HDH, S 315 GT-HD                                                                                                                                                                                                         | <b>9750 103 100</b> | Hengst E117L    |
| <b>MAN</b> Lion's City (A35/A66)<br><b>Solaris</b> Urbino III<br><b>Temsa</b> Opalin                                                                                                                                                                                                                                          | <b>9750 103 725</b> | Hengst E594L    |
| <b>MAN</b> Lion's City (A37/A78)<br><b>Solaris</b> Urbino III<br><b>Temsa</b> Opalin<br><b>VDL</b> Bova Futura                                                                                                                                                                                                                | <b>9750 103 724</b> | Hengst E594L    |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                                                                                                                                                                                             | <b>9750 103 285</b> | Hengst E213L    |
| <b>MAN</b> Lion's Coach (A13/A32), Lion's Star (R02)<br><b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Neoplan</b> Centroliner (N 44XX), Euroliner (N 3316), Starliner (N 52XX),<br>Tourliner (N 2216)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT<br><b>Solaris</b> Urbino II<br><b>Temsa</b> Safari | <b>3565 428 053</b> | Hengst E118L    |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF, S 415 NF                                                                                                                                                                                                                         | <b>9750 103 106</b> | Hengst E118L04  |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                                                                                                                                                                                                      | <b>9750 103 551</b> | Hengst E390L    |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourismo II<br><b>Setra</b> S 315 UL, S 415/417/419 UL                                                                                                                                                                                                            | <b>9750 103 647</b> | Hengst E491L    |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                                                                          | <b>2300 008 045</b> | Hengst E844L    |
| <b>Mercedes-Benz</b> Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD                                                                                                                                                                                             | <b>3565 420 027</b> | Hengst E626L    |
| <b>Solaris</b> Vacanza<br><b>VDL</b> Bova Futura                                                                                                                                                                                                                                                                              | <b>9750 000 702</b> | Hengst E702L    |
| <b>Temsa</b> Safari                                                                                                                                                                                                                                                                                                           | <b>9750 103 463</b> | Hengst E307L    |
| <b>VDL</b> Bova Futura FHD/FLD, Bova Lexio LLD, Bova Magiq MHD, Synergy SDD                                                                                                                                                                                                                                                   | <b>9750 104 114</b> | Hengst H100WL   |
| <b>Volvo</b> B7, B9, B9TL, B10M, B12, B12B, B13R                                                                                                                                                                                                                                                                              | <b>9750 103 708</b> | Hengst E580L    |



This figure corresponds to 9740 004 265

### Air filter

| suitable for                               | Order no.           | Comparative no. |
|--------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Citelis, Citelis CNG        | <b>9740 024 820</b> | MANN C 24 820   |
| <b>Irisbus</b> Eurorider, Magelys HD/Pro   | <b>9740 301 530</b> | MANN C 30 1530  |
| <b>Irisbus</b> Eurorider                   | <b>9740 308 507</b> | MANN C 30 850/7 |
| <b>Mercedes-Benz</b> Tourismo I/II (O 350) |                     |                 |
| <b>Mercedes-Benz</b> Tourino (O 510)       | <b>9740 004 265</b> | MANN C 4265     |
| <b>Volvo</b> B7R, B9L, B9R, B12B, B12R     | <b>6200 027 875</b> | Volvo 70320440  |

4

Filters



This figure corresponds to 9750 103 613



### Secondary air filter

| suitable for                         | Order no.           | Comparative no. |
|--------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arès                  | <b>9750 103 613</b> | Hengst E454LS   |
| <b>MAN</b> NL (A10)                  | <b>9750 103 303</b> | Hengst E214LS   |
| <b>Mercedes-Benz</b> O 404           |                     |                 |
| <b>Scania</b> L94                    | <b>9750 103 309</b> | Hengst E218LS   |
| <b>Volvo</b> B7, B9, B9TL, B10M, B12 | <b>9750 103 709</b> | Hengst E580LS   |

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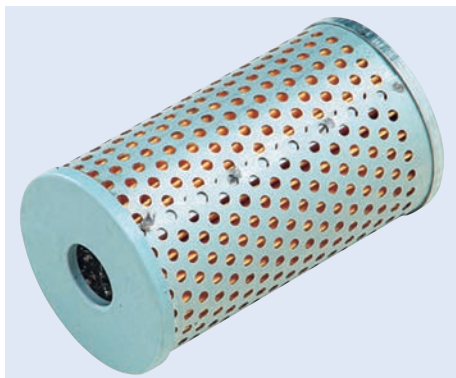
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Hydraulic filter

This figure corresponds to 9025 503 090

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Version               | Order no.           | Comparative no.                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|----------------------------------------------------------|
| <b>Heuliez</b> GX 217<br><b>Irisbus</b> Agora, Arès, Eurorider, Iliade<br><b>Iveco</b> CityClass<br><b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N<br><b>Scania</b> K360<br><b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | for automatic gearbox | <b>9020 007 101</b> | Hengst E39H D119<br>MANN H 710/1 x<br>Knecht/Mahle HX 40 |
| <b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Crossway LE, Eurorider, Evadys, Iliade, Magelys, New Domino, Récréo<br><b>Iveco</b> CityClass<br><b>MAN</b> Lion's City (A20/A21/A23/A37/A47), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), EL (A12), NG (A11/A23), NL (A10/A15)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Intouro II, O 405 N, O 407, O 408, Tourino (O 510), Turismo II, Travego I (O 580)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Scania</b> K94/114/124/360/380, L94<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT, S 415 GT-HD, S 416 GT-HD/2, S 415 NF, S 415 UL<br><b>Solaris</b> Urbino III<br><b>Temsa</b> Safari<br><b>VDL</b> Bova Futura<br><b>Volvo</b> B7R, B9L, B9R, B9TL, B10B, B12 | for steering          | <b>9025 503 090</b> | Hengst E10H02<br>MANN H 601/4<br>Knecht/Mahle HX 15      |



## Hydraulic filter

| suitable for                                                                                                                                  | Version                  | Order no.           | Comparative no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|------------------|
| <b>Heuliez</b> GX 217, 317, 417                                                                                                               | for return filter/blower | <b>9750 104 294</b> | Hengst H18W14    |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Crossway LE, Evadys, Iliade, Magelys, Récréo                                               |                          |                     |                  |
| <b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Crossway LE, Eurorider, Evadys, Iliade, Magelys, New Domino, Proway, Proxys, Récréo         | for steering             | <b>9750 103 076</b> | Hengst E10H02    |
| <b>Iveco</b> CityClass                                                                                                                        |                          |                     |                  |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A10)      |                          |                     |                  |
| <b>Mercedes-Benz</b> Citaro C2 (O 530), Intouro II                                                                                            |                          |                     |                  |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                          |                     |                  |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                        |                          |                     |                  |
| <b>Solaris</b> Urbino III                                                                                                                     |                          |                     |                  |
| <b>Temsa</b> Safari                                                                                                                           |                          |                     |                  |
| <b>VDL</b> Bova Futura                                                                                                                        |                          |                     |                  |
| <b>Volvo</b> B7R, B9L, B9R, B9TL, B10B, B12                                                                                                   |                          |                     |                  |
| <b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Eurorider, Evadys, Iliade, New Domino, Récréo                                               | for steering             | <b>9750 103 075</b> | Hengst E10H01    |
| <b>Iveco</b> CityClass                                                                                                                        |                          |                     |                  |
| <b>MAN</b> Lion's City (A20/A21/A23/A37), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A10)          |                          |                     |                  |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                       |                          |                     |                  |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                        |                          |                     |                  |
| <b>Solaris</b> Urbino III                                                                                                                     |                          |                     |                  |
| <b>Temsa</b> Safari                                                                                                                           |                          |                     |                  |
| <b>VDL</b> Bova Futura                                                                                                                        |                          |                     |                  |
| <b>Volvo</b> B7R, B9L, B9R, B9TL, B10B                                                                                                        |                          |                     |                  |
| <b>Irisbus</b> Agora, Arès, Iliade, Magelys HD                                                                                                | for automatic gearbox    | <b>1392 039 119</b> | Hengst E39H D119 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404                                                                                                 |                          |                     |                  |
| <b>Irisbus</b> Arès, Iliade                                                                                                                   | for automatic gearbox    | <b>9750 104 161</b> | Hengst H12W06    |
| <b>MAN</b> Lion's City (A78), Lion's Classic Ü (A72), Lion's Regio (R12/R13), Lion's Star (R02/R03), EL (A12), NG (A11/A23), NL (A10/A15)     | for return filter/blower | <b>9750 104 008</b> | Hengst E90H D149 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                    |                          |                     |                  |
| <b>Scania</b> K124                                                                                                                            |                          |                     |                  |
| <b>MAN</b> Lion's Coach (R07)                                                                                                                 | for automatic gearbox    | <b>9750 103 562</b> | Hengst E39H D131 |
| <b>Neoplan</b> Centroliner (N 44XX/N 45XX)                                                                                                    |                          |                     |                  |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                        | for return filter/blower | <b>1392 000 309</b> | Hengst H309W     |
| <b>Setra</b> S 415 NF                                                                                                                         |                          |                     |                  |
| <b>Mercedes-Benz</b> Turismo II                                                                                                               | for steering             | <b>9750 103 841</b> | Hengst E70H      |
| <b>Setra</b> S 417 HDH, S 431 DT, S 416/417 GT-HD, S 417 UL                                                                                   |                          |                     |                  |
| <b>Setra</b> S 417 HDH, S 431 DT, S 417 GT-HD, S 417 UL                                                                                       | for steering             | <b>9750 103 083</b> | Hengst E111H     |
| <b>Volvo</b> B12B, B13R                                                                                                                       |                          |                     |                  |
| <b>Volvo</b> B9R, B12B, B12R                                                                                                                  | for automatic gearbox    | <b>9750 103 383</b> | Hengst E28H D175 |
| <b>Volvo</b> B9R, B13R                                                                                                                        | for automatic gearbox    | <b>9750 103 382</b> | Hengst E28H D174 |



Hydraulic filter

| suitable for                                                                                                                                                    | Version                  | Order no.           | Comparative no.                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|------------------------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Citaro I (O 530)<br><b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | for automatic gearbox    | <b>6200 007 831</b> | Cummins HF7831                     |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Centroliner (N 44XX/N 45XX)                                                                                     | for automatic gearbox    | <b>9740 071 010</b> | Hengst E39H D131<br>MANN H 710/1 z |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)<br><b>Setra</b> S 419 UL<br><b>Solaris</b> Urbino III                                                                  | for automatic gearbox    | <b>9740 000 835</b> | MANN H 835 x                       |
| <b>Scania</b> K360                                                                                                                                              | for return filter/blower | <b>9740 000 962</b> | MANN H 962                         |
| <b>Solaris</b> Urbino III<br><b>VDL</b> Bova Magiq                                                                                                              | for working hydraulics   | <b>9720 721 970</b> | MANN H 957/1                       |
| <b>Volvo</b> B12B                                                                                                                                               | for working hydraulics   | <b>9740 009 351</b> | Hengst H17W22<br>MANN W 935/1      |

4

Filters

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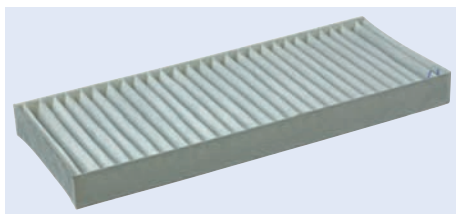
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PART**  
Cabin filter

(Illustration similar)

| suitable for                                                                                   | Order no.           | Comparative no.      |
|------------------------------------------------------------------------------------------------|---------------------|----------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                      | <b>9020 047 950</b> | Hengst E954LI        |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                     | MANN CU 4795         |
|                                                                                                |                     | Knecht/Mahle LA 154  |
| <b>Neoplan</b> Tourliner (N 2216)                                                              | <b>9020 479 500</b> | Hengst E954LC        |
|                                                                                                |                     | MANN CUK 4795        |
|                                                                                                |                     | Knecht/Mahle LAK 154 |



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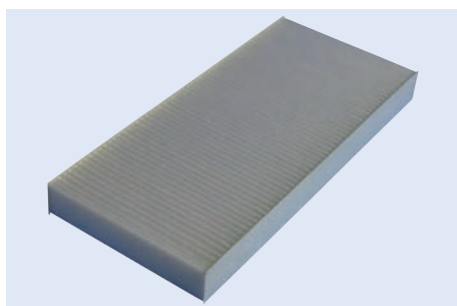




Cabin filter

This figure corresponds to 9750 103 389

| suitable for                                                                                                 | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Access Bus, Agora, Arès, Arway, Axer, Citelis, Crealis, Domino, Evadys, Iliade, Midys, Récréo | <b>9750 104 030</b> | Hengst E929LI   |
| <b>Iveco</b> CityClass                                                                                       |                     |                 |
| <b>MAN</b> Lion's City (A20/A21/A23/A26/A37)                                                                 |                     |                 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Travego I (O 580)                                  |                     |                 |
| <b>Neoplan</b> Centroliner (N 44XX/N 45XX)                                                                   |                     |                 |
| <b>Irisbus</b> Arway, Crossway                                                                               | <b>9750 103 272</b> | Hengst E1994LI  |
| <b>MAN</b> Lion's City (A22/A23), Lion's Coach (R09)                                                         |                     |                 |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I (O 560), Travego I (O 580)                                |                     |                 |
| <b>Neoplan</b> Starliner (N 52XX, Trendliner (N 3516)                                                        |                     |                 |
| <b>Scania</b> OmniCity, OmniLink (01/2006-), OmniExpress (09/2007-)                                          |                     |                 |
| <b>Setra</b> S 411/415 HD, S 415/416 HDH, S 415/416/417 GT-HD, S 412/415 UL                                  |                     |                 |
| <b>Solaris</b> Alpino, Urbino II/III, Vacanza                                                                |                     |                 |
| <b>Temsa</b> Diamond                                                                                         |                     |                 |
| <b>Van Hool</b> A308/330, AG300                                                                              |                     |                 |
| <b>MAN</b> Lion's City (A22/A35), NL (A21), NÜ (A20)                                                         | <b>3565 428 080</b> | Hengst E2941LI  |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Integro II (O 550), Intouro I (O 560), Turismo I (O 350)           |                     |                 |
| <b>Setra</b> S 416/417 GT-HD, S 412/415/416/417 UL                                                           |                     |                 |
| <b>MAN</b> Lion's City (A22), NL (A21), NÜ (A20)                                                             | <b>9750 104 103</b> | Hengst E995LI   |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520), Tourino (O 510)                                         |                     |                 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                        |                     |                 |
| <b>Setra</b> S 415/416 NF                                                                                    |                     |                 |
| <b>Solaris</b> Urbino II/III                                                                                 |                     |                 |
| <b>MAN</b> Lion's City (A23/A35/A66), NG (A23), NL (A21), NÜ (A20)                                           | <b>9750 104 078</b> | Hengst E966LI   |
| <b>Neoplan</b> Centroliner (N 44XX/N 45XX)                                                                   |                     |                 |
| <b>MAN</b> Lion's Coach (A13/A32), Lion's Star (R02)                                                         | <b>9020 313 935</b> | Hengst E1936LI  |
| <b>Neoplan</b> Euroliner (N 33XX), Starliner (N 516/N 52XX), Trendliner (N 3516/N 3517)                      |                     |                 |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12)                                                            | <b>9750 103 221</b> | Hengst E1923LI  |
| <b>Mercedes-Benz</b> Citaro I (O 530), Turismo I (O 350)                                                     |                     |                 |
| <b>Neoplan</b> Tourliner (N 2216)                                                                            |                     |                 |
| <b>Temsa</b> Diamond, Tourmalin                                                                              |                     |                 |
| <b>MAN</b> Lion's Star (R02)                                                                                 | <b>9750 103 238</b> | Hengst E1958LI  |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216)                                                      |                     |                 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                     | <b>9750 103 417</b> | Hengst E2950LI  |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                     | <b>9750 104 108</b> | Hengst E999LI   |
| <b>Setra</b> S 415 NF                                                                                        |                     |                 |
| <b>Setra</b> S 416 HDH                                                                                       | <b>9750 104 568</b> | Hengst E993LI   |
| <b>Volvo</b> B7R, B9, B9S, B10L, B10M, B12B, B13R                                                            | <b>9750 103 389</b> | Hengst E2911LI  |



## Cabin filter

### Application range

vehicles with air-conditioning system

This figure corresponds to 9020 314 079

| suitable for                                                                                    | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Agora, Citelis, Citelis CNG, Crossway LE, Iliade, Magelys HD                     | <b>9740 042 001</b> | MANN CU 42 001  |
| <b>Irisbus</b> Agora, Domino HD/HDH, Iliade                                                     | <b>9020 314 087</b> | Hengst E923LI   |
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Travego I (O 580)                    |                     | MANN CU 4580    |
| <b>Neoplan</b> Centroliner (N 45XX)                                                             |                     |                 |
| <b>Scania</b> OmniCity                                                                          |                     |                 |
| <b>Setra</b> S 411/415 HD                                                                       |                     |                 |
| <b>Irisbus</b> Agora, Domino HD/HDH, Iliade                                                     | <b>9740 004 627</b> | MANN CU 4627    |
| <b>Neoplan</b> Skyliner (N 1122)                                                                |                     |                 |
| <b>Scania</b> OmniCity                                                                          |                     |                 |
| <b>Irisbus</b> Arway, Crossway                                                                  | <b>9020 314 089</b> | Hengst E1923LI  |
| <b>MAN</b> Lion's Coach (R07)                                                                   |                     | MANN CU 4926    |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo I (O 350)                                       |                     |                 |
| <b>Neoplan</b> Starliner (N 52XX), Tourliner (N 2216)                                           |                     |                 |
| <b>Temsa</b> Diamond                                                                            |                     |                 |
| <b>MAN</b> Lion's City (A20/A23/A37/A47), NG (A23), NL (A10/A21), NÜ (A20)                      | <b>9020 314 058</b> | Hengst E966LI   |
| <b>Neoplan</b> Centroliner (N 45XX)                                                             |                     | MANN CU 45 120  |
| <b>MAN</b> Lion's City (A22/A23/A26/A37), NL (A21), NÜ (A20)                                    | <b>9020 314 077</b> | Hengst E995LI   |
| <b>Mercedes-Benz</b> Cito (O 520), Tourino (O 510)                                              |                     | MANN CU 4036    |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216) |                     |                 |
| <b>Setra</b> S 415/416 NF                                                                       |                     |                 |
| <b>Solaris</b> Urbino II/III                                                                    |                     |                 |
| <b>MAN</b> Lion's City (A22)                                                                    | <b>9020 314 097</b> | Hengst E1994LI  |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                          |                     | MANN CU 4662    |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Trendliner (N 3516)                      |                     |                 |
| <b>Setra</b> S 411/415 HD, S 415/416 HDH, S 415/416/417 GT-HD, S 412/415/416/417 UL             |                     |                 |
| <b>Solaris</b> Urbino II/III                                                                    |                     |                 |
| <b>Temsa</b> Diamond                                                                            |                     |                 |
| <b>Van Hool</b> A308/330, AG300                                                                 |                     |                 |
| <b>MAN</b> Lion's Coach (R07/08)                                                                | <b>9027 791 005</b> | MANN CU 3933    |
| <b>Neoplan</b> Starliner (N 52XX), Tourliner (N 22XX)                                           |                     |                 |
| <b>Mercedes-Benz</b> Citaro (O 530), Integro II (O 550), Tourismo I (O 350), Travego I (O 580)  | <b>9020 314 052</b> | Hengst E2942LI  |
| <b>Setra</b> S 411, S 412, S 415-417, S 419                                                     |                     | MANN CU 5067    |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                                                          | <b>9740 091 001</b> | MANN CU 91 001  |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                           | <b>9740 004 783</b> | MANN CU 4783    |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                          | <b>9020 314 078</b> | Hengst E2950LI  |
|                                                                                                 |                     | MANN CU 50 102  |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                          | <b>9020 314 098</b> | Hengst E2941LI  |
| <b>Setra</b> S 412, S 415-417, S 419                                                            |                     | MANN CU 3959    |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                          | <b>9020 314 079</b> | Hengst E999LI   |
| <b>Setra</b> S 415 NF                                                                           |                     | MANN CU 5096    |
| <b>Mercedes-Benz</b> Integro II (O 550), Travego I (O 580)                                      | <b>9740 562 010</b> | MANN CU 5620-10 |
| <b>Setra</b> S 415/417 HDH, S 431 DT, S 415/417 GT-HD, S 415/417/419 UL                         |                     |                 |
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350)                                                  | <b>9020 313 926</b> | Hengst E927LI   |
|                                                                                                 |                     | MANN CU 5346    |
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350)                                                  | <b>9020 314 001</b> | Hengst E928LI   |
|                                                                                                 |                     | MANN CU 3415    |

Continued on the next page ...



... continued from the previous page

| suitable for                                                                                           | Order no.           | Comparative no.                 |
|--------------------------------------------------------------------------------------------------------|---------------------|---------------------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                             | <b>9020 350 147</b> | Knecht/Mahle LAP 17             |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                | <b>9020 314 030</b> | MANN CU 3935                    |
| <b>Neoplan</b> Starliner (52XX)                                                                        | <b>9020 313 996</b> | Hengst E925LC<br>MANN CUK 4062  |
| <b>Scania</b> K94/114/124, L94                                                                         | <b>9020 314 100</b> | Hengst E956LI01<br>MANN CU 1722 |
| <b>Setra</b> S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                              | <b>9468 351 747</b> | Mercedes-Benz 001 835 17 47     |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | <b>9020 314 051</b> | MANN CU 155 0037                |
| <b>Setra</b> S 415 HD, S 415/417 HDH                                                                   | <b>9740 003 243</b> | Hengst E1931LI<br>MANN CU 3243  |
| <b>Setra</b> S 431 DT                                                                                  | <b>9020 006 034</b> | Hengst E2938LI<br>MANN CU 6034  |
| <b>Setra</b> S 431 DT                                                                                  | <b>9020 002 916</b> | Hengst E2952LI<br>MANN CU 2916  |
| <b>Volvo</b> B5LH, B7L, B7R, B9L, B9S, B10L, B10M, B12B, B12M, B13R                                    | <b>9020 314 062</b> | Hengst E2911LI<br>MANN CU 4150  |

4

Filters



(Illustration similar)

### Filter mat for roof-mounted air-conditioning system

| suitable for      | Order no.           | Comparative no. |
|-------------------|---------------------|-----------------|
| <b>Volvo</b> B13R | <b>6171 079 270</b> | Volvo 21079270  |



(Illustration similar)

### Filter mat for roof air conditioning systems, universal for individual cutting

Container      Roll  
Dimensions    2 x 20 m

| Thickness | Order no.           |
|-----------|---------------------|
| 10 mm     | <b>9020 003 007</b> |
| 20 mm     | <b>9020 003 006</b> |

*Please note our article on the subject of air conditioning service starting on page 655.*



Coolant filter

| suitable for               | Order no.    | Comparative no. |
|----------------------------|--------------|-----------------|
| Scania K114/124            | 9750 104 467 | Hengst H34WF    |
| Volvo B7R, B10B, B12, B12B | 9750 104 409 | Hengst H28WF    |

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This figure corresponds to 9750 104 409

Filters



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# Electrics and lighting

5



|                                      |          |
|--------------------------------------|----------|
| Front lighting . . . . .             | 166-190  |
| Side lighting . . . . .              | 191-200  |
| Rear lighting . . . . .              | 201-222  |
| Light source . . . . .               | 223-230  |
| Starter motor . . . . .              | 231-240  |
| Alternators . . . . .                | 241-250  |
| Switches/sensors . . . . .           | 251-254  |
| Connectors/sockets . . . . .         | 255, 256 |
| Audible signalling devices . . . . . | 257      |
| Starter batteries . . . . .          | 258-260  |


**MAGNETI  
MARELLI**

### H7 main headlamp

Version with dipped beam, high beam and position lamp  
 Bulb type H7/W5W  
 Voltage 24 V

#### Application range

for vehicles without headlamp levelling

| suitable for         | Installation side | Order no.           | Comparative no.              |
|----------------------|-------------------|---------------------|------------------------------|
| <b>Irisbus</b> Arway | left              | <b>3600 052 271</b> | Magneti Marelli 712452501129 |
| <b>Irisbus</b> Arway | right             | <b>3600 052 171</b> | Magneti Marelli 712452401129 |

5

Electrics and lighting



### H7 main headlamp

Version with dipped beam, high beam and position lamp  
 Bulb type H7/W5W  
 Voltage 24 V

#### Application range

for vehicles with headlight range adjustment

#### Scope of supply

without control motor

| suitable for                                 | Installation side | Order no.           |
|----------------------------------------------|-------------------|---------------------|
| <b>Irisbus</b> Arway, Crossway LE, Récréo II | left              | <b>5532 663 110</b> |
| <b>Irisbus</b> Arway, Crossway LE, Récréo II | right             | <b>5532 663 111</b> |


**MAGNETI  
MARELLI**

### H4 main headlamp

Version with dipped beam, high beam and position lamp  
 Installation side left/right  
 Voltage 12/24 V

#### Application range

for vehicles without headlamp levelling

| suitable for                      | Order no.           | Comparative no.              |
|-----------------------------------|---------------------|------------------------------|
| <b>MAN</b> NG (A11), NL (A10/A15) | <b>3630 117 303</b> | Magneti Marelli 710301017303 |





### H4 main headlamp

Version with dipped beam, high beam and position lamp  
 Installation side left/right  
 Bulb type H4/T4W  
 Voltage 12/24 V

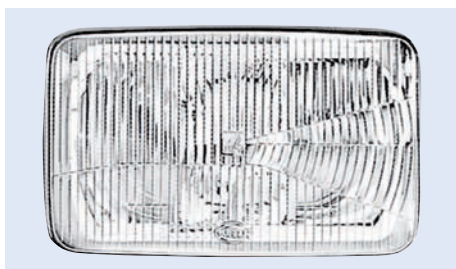
#### Application range

for vehicles with headlamp levelling

#### Scope of supply

without control motor

| suitable for                         | Order no.    | Comparative no.              |
|--------------------------------------|--------------|------------------------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 3600 017 275 | Magneti Marelli 710301017304 |



### Side light/indicator lens for H4 main headlight

Installation side left/right

| suitable for | Order no.    | Comparative no.       |
|--------------|--------------|-----------------------|
| MAN NL (A10) | 0120 743 005 | Hella 9ES 120 743-005 |



### H1 main headlamp

Version with low beam and position lamp  
 Bulb type H1/T4W  
 Voltage 12/24 V  
 Width 190 mm  
 Height 142 mm

Suitable for MAN NÜ (A20) pre-series vehicles.

| suitable for                                    | Installation side | Order no.    | Comparative no.       |
|-------------------------------------------------|-------------------|--------------|-----------------------|
| MAN Lion's Star (R02/R03), ND 202, NÜ (A20), ÜL | left              | 0005 740 091 | Hella 1BL 005 740-091 |
| MAN Lion's Star (R02/R03), ND 202, NÜ (A20), ÜL | right             | 0005 740 101 | Hella 1BL 005 740-101 |



### H1 spotlight

|                    |              |
|--------------------|--------------|
| Voltage            | 12/24 V      |
| Width              | 190 mm       |
| Height             | 142 mm       |
| Light aperture     | 190 x 132 mm |
| Installation depth | 133 mm       |

**Suitable for MAN NÜ (A20) pre-series vehicles.**

| suitable for                                                           | Installation side | Order no.           | Comparative no.       |
|------------------------------------------------------------------------|-------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's Comfort, Lion's Star (R02/R03), ND 202, NÜ (A20), ÜL | left              | <b>0005 478 011</b> | Hella 1FE 005 478-011 |
| <b>MAN</b> Lion's Comfort, Lion's Star (R02/R03), ND 202, NÜ (A20), ÜL | right             | <b>0005 478 021</b> | Hella 1FE 005 478-021 |

5

Electrics and lighting



### H7 main headlamp

with rubber gasket

|           |                                               |
|-----------|-----------------------------------------------|
| Version   | with dipped beam, high beam and position lamp |
| Bulb type | H7/W5W                                        |
| Voltage   | 24 V                                          |

#### Application range

for vehicles without headlight levelling

| suitable for                               | Installation side | Order no.           |
|--------------------------------------------|-------------------|---------------------|
| <b>MAN</b> Lion's Star (R02/R03), NG (A23) | left              | <b>5231 016 419</b> |
| <b>MAN</b> Lion's Star (R02/R03), NG (A23) | right             | <b>5231 016 348</b> |



### H7 main headlamp

with rubber seal

|           |                                               |
|-----------|-----------------------------------------------|
| Version   | with dipped beam, high beam and position lamp |
| Bulb type | H7/W5W                                        |
| Voltage   | 24 V                                          |

#### Application range

for vehicles with headlight levelling

#### Scope of supply

without control motor

| suitable for                                                                                                                  | Installation side | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Classic Ü (A72), Lion's Regio (R12/R13), Lion's Star (R02/R03), NL (A21) | left              | <b>9500 449 110</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Classic Ü (A72), Lion's Regio (R12/R13), Lion's Star (R02/R03), NL (A21) | right             | <b>9500 449 111</b> |



**Side light/indicator lens  
for main headlights**

| suitable for                                                                                                                                                        | Installation side | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), NG (A23), NL (A21)     | left              | <b>5230 331 023</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), NG (A23), NL (A21) | right             | <b>5230 331 024</b> |



**Plug housing  
for main headlights**

Version 7-pin

| suitable for                                                                                                                                                                                 | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, ND, NG, NL, NM, SÜ, ÜL<br><b>Neoplan</b> Centroliner, Cityliner, Skyliner, Starliner, Tourliner, Trendliner | <b>1325 032 390</b> |



**H4 main headlamp**

Version with dipped beam, high beam and position lamp  
Bulb type H4/H3/T4W  
Voltage 24 V

| suitable for                               | Installation side | Order no.           | Comparative no.              |
|--------------------------------------------|-------------------|---------------------|------------------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | left              | <b>3600 046 414</b> | Magneti Marelli 710301060161 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | right             | <b>3600 046 415</b> | Magneti Marelli 710301060162 |



**Side light/indicator lens  
for main headlights**

| suitable for                               | Installation side | Order no.           | Comparative no.     |
|--------------------------------------------|-------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | left              | <b>3630 520 545</b> | Bosch 1 305 620 545 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | right             | <b>3630 520 546</b> | Bosch 1 305 620 546 |

**H1/H1 main headlamp**

Version with dipped beam, high beam and position lamp  
 Bulb type H1/T4W  
 Voltage 24 V

**Scope of supply**  
 with bulbs

| suitable for                          | Installation side | Order no.           | Comparative no.       |
|---------------------------------------|-------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530) | left              | <b>0007 859 011</b> | Hella 1DL 007 859-011 |
| <b>Mercedes-Benz</b> Citaro I (O 530) | right             | <b>0007 859 021</b> | Hella 1DL 007 859-021 |

**H1/H1 main headlamp**

Version with dipped, high beam and position light  
 Bulb type H1/T4W  
 Voltage 24 V

**Scope of supply**  
 with bulbs

| suitable for                           | Installation side | Order no.           | Comparative no.       |
|----------------------------------------|-------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530) | left              | <b>0007 859 051</b> | Hella 1DL 007 859-051 |
| <b>Mercedes-Benz</b> Citaro II (O 530) | right             | <b>0007 859 061</b> | Hella 1DL 007 859-061 |

**H7 main headlamp**

Version with dipped beam, high beam and position lamp  
 Bulb type H7/H1/W5W  
 Voltage 24 V

| suitable for                                                               | Installation side | Order no.           | Comparative no.              |
|----------------------------------------------------------------------------|-------------------|---------------------|------------------------------|
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Tourismo II, Travego I (O 580) | left              | <b>9465 400 154</b> | Magneti Marelli 710301160001 |
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Tourismo II, Travego I (O 580) | right             | <b>9465 400 254</b> | Magneti Marelli 710301160002 |

*You'll find a suitable headlamp adjusting unit on page 631.*



### H4 main headlamp

Version with indicator, high beam and side light  
Voltage 24 V

**Application range**  
for vehicles without headlight levelling

| suitable for                                       | Installation side | Order no.           |
|----------------------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) (1996-2001) | left              | <b>3600 100 030</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345) (1996-2001) | right             | <b>3600 100 040</b> |

#### Accessories

| Description               | Installation side | Order no.           |
|---------------------------|-------------------|---------------------|
| Side light/indicator lens | left              | <b>3600 100 015</b> |
| Side light/indicator lens | right             | <b>3600 100 025</b> |



### H1/H1 main headlamp

Version with dipped beam, high beam and position lamp

**Application range**  
for vehicles without headlamp levelling

| suitable for                                                                                                                                                     | Installation side | Order no.           | Comparative no.              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|------------------------------|
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | left              | <b>3630 111 011</b> | Magneti Marelli 710301011015 |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | right             | <b>3630 111 012</b> | Magneti Marelli 710301011016 |

#### Accessories

| Description               | Installation side | Order no.           |
|---------------------------|-------------------|---------------------|
| Side light/indicator lens | left              | <b>3600 621 979</b> |
| Side light/indicator lens | right             | <b>3600 621 980</b> |



### Bi-Xenon main headlamp

with Xenon control unit

Version with low beam and high beam  
Bulb type H1/Xenon  
Voltage 24 V

| suitable for                                                                                                                  | Installation side | Order no.           | Comparative no.              |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|------------------------------|
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416 GT, S 415/416/417 GT-HD, S 415 NF, S 412/415/416/417/419 UL | left              | <b>3741 160 071</b> | Magneti Marelli 710301160071 |
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416 GT, S 415/416/417 GT-HD, S 415 NF, S 412/415/416/417/419 UL | right             | <b>3741 160 072</b> | Magneti Marelli 710301160072 |





### Headlamp insert H7 main headlamp

|                   |                   |
|-------------------|-------------------|
| Version           | with dipped light |
| Installation side | left/right        |
| Design            | DE/Halogen        |
| Bulb type         | H7                |
| Voltage           | 24 V              |
| Width             | 103 mm            |
| Height            | 119 mm            |
| Depth             | 165 mm            |
| Light aperture    | 90 mm             |
| Form              | round             |

#### Scope of supply with bulb

| suitable for                                                                 | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Fast</b> Scoler IV                                                        | <b>0008 193 017</b> | Hella 1BL 008 193-011 |
| <b>Heuliez</b> GX 127 (Euro 2, 3)                                            |                     |                       |
| <b>Mercedes-Benz</b> Intouro II                                              |                     |                       |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516) |                     |                       |
| <b>Temsa</b> Safari (Euro 3, 4)                                              |                     |                       |
| <b>Van Hool</b> CL, T9, TL (Euro 2, 3)                                       |                     |                       |
| <b>VDL</b> Bova Futura FHD (Euro 3)                                          |                     |                       |
| <b>Volvo</b> B7L, B9L, B12B, B12R, 7700, 8700, 9700, 9900                    |                     |                       |



### Headlamp insert H1 main headlamp

|                   |                   |
|-------------------|-------------------|
| Version           | with dipped light |
| Installation side | left/right        |
| Design            | DE/Halogen        |
| Voltage           | 24 V              |
| Light aperture    | 100 mm            |
| Form              | round             |
| Ø                 | 124 mm            |

| suitable for                                                                    | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 44XX/45XX), Euroliner (N 3316), Starliner (N 516) | <b>0007 834 007</b> | Hella 1BL 007 834-007 |
| <b>Solaris</b> Urbino III                                                       |                     |                       |



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### Headlamp insert Xenon headlamp

|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Voltage           | 24 V       |
| Width             | 103 mm     |
| Height            | 119 mm     |
| Depth             | 165 mm     |
| Light aperture    | 90 mm      |

#### Scope of supply

with gas discharge lamp (D2S), ballast and fittings

| suitable for     | Order no.    | Comparative no.       |
|------------------|--------------|-----------------------|
| Volvo B12B, 9700 | 0008 194 027 | Hella 1BL 008 194-027 |



(Illustration similar)



### Headlamp insert H1 main headlamp

|                   |                                         |
|-------------------|-----------------------------------------|
| Version           | with dipped beam, without position lamp |
| Installation side | left/right                              |
| Voltage           | 24 V                                    |
| Light aperture    | 100 mm                                  |
| Form              | round, flat                             |
| Ø                 | 124 mm                                  |

#### Scope of supply

with mounting frame and provision for headlamp levelling

| suitable for | Order no.    | Comparative no.       |
|--------------|--------------|-----------------------|
| Volvo B7L    | 0007 834 047 | Hella 1BL 007 834-047 |



### Headlamp insert H7 main headlamp

|                   |                  |
|-------------------|------------------|
| Version           | with dipped beam |
| Installation side | left/right       |
| Voltage           | 24 V             |
| Width             | 103 mm           |
| Height            | 119 mm           |
| Depth             | 165 mm           |
| Light aperture    | 90 mm            |
| Form              | round            |

#### Scope of supply

with bulb

| suitable for                           | Order no.    | Comparative no.       |
|----------------------------------------|--------------|-----------------------|
| Volvo B5LH, B7R, B9L, B12B, 7700, 8700 | 0008 193 172 | Hella 1BL 008 193-172 |



### Reflector for main headlights

| suitable for | Installation side | Order no.    |
|--------------|-------------------|--------------|
| Volvo B9R    | left              | 1325 016 472 |
| Volvo B9R    | right             | 1325 016 471 |


**BOSCH**

### Adjustment mechanism for headlamp levelling

|                  |                     |
|------------------|---------------------|
| Version          | electrical          |
| Voltage          | 24 V                |
| Electric current | 0,055 A             |
| Speed            | 6 min <sup>-1</sup> |
| Protection class | IP54                |

| suitable for                                                                                    | Order no.           |
|-------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Star, Lion's Regio, NG, NL, NM, NÜ | <b>9468 201 142</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo I (O 350), Travego I (O 580)                    |                     |
| <b>Neoplan</b> Cityliner, Centroliner, Skyliner, Starliner, Trendliner, Electroliner            |                     |
| <b>Setra</b> S 411/415 HD, S 415/417 HDH, S 415 NF, S 417 UL                                    |                     |
| <b>Solaris</b> Urbino III                                                                       |                     |
| <b>Volvo</b> 7000, 7500, 7700, 8500, 8700, 9500, 9700, 9900                                     |                     |



### Ballast for gas discharge lamp

| suitable for                                                                                | Voltage | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------|---------|---------------------|-----------------------|
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)                                         | 12/24 V | <b>0008 856 001</b> | Hella 5DV 008 856-001 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216) | 12 V    | <b>0008 855 017</b> | Hella 5DV 008 855-017 |
| <b>Setra</b> S 411/415 HD, S 416/417 HDH, S 431 DT, S 416 GT-HD                             | 12/24 V | <b>0007 810 197</b> | Hella 5DV 007 810-197 |



### Headlamp insert H1 spotlight

|                   |               |
|-------------------|---------------|
| Installation side | left/right    |
| Design            | DE/Halogen    |
| Voltage           | 24 V          |
| Light aperture    | 100 mm        |
| Form              | round         |
| Ø                 | 124 mm        |
| Type              | flush-mounted |

#### Scope of supply without bulb

| suitable for                                                      | Order no.           | Comparative no.       |
|-------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 44XX/N 45XX),<br>Euroliner (N 3316) | <b>0007 834 027</b> | Hella 1KL 007 834-027 |
| <b>Volvo</b> B7R, B10L, B12B, 7500, 8500                          |                     |                       |



### Headlamp insert H1 spotlight

|                   |                        |
|-------------------|------------------------|
| Version           | without position light |
| Installation side | left/right             |
| Design            | DE/Halogen             |
| Voltage           | 24 V                   |
| Light aperture    | 100 mm                 |
| Form              | round, flat            |
| Ø                 | 124 mm                 |
| Type              | flush-mounted          |

#### Scope of supply without bulb

| suitable for                 | Order no.           | Comparative no.       |
|------------------------------|---------------------|-----------------------|
| <b>VDL</b> Bova Futura 1 FHD | <b>0007 834 067</b> | Hella 1KL 007 834-067 |
| <b>Volvo</b> B7L             |                     |                       |



### Headlamp insert H7 spotlight

|                   |                     |
|-------------------|---------------------|
| Version           | with position light |
| Installation side | left/right          |
| Design            | FF/Halogen          |
| Bulb type         | H7/T4W              |
| Voltage           | 24 V                |
| Depth             | 120 mm              |
| Light aperture    | 90 mm               |
| Ø                 | 90 mm               |
| Type              | flush-mounted       |

#### Scope of supply with bulb

| suitable for                                                   | Order no.           | Comparative no.       |
|----------------------------------------------------------------|---------------------|-----------------------|
| <b>Fast</b> Scoler IV                                          | <b>0008 191 021</b> | Hella 1K0 008 191-021 |
| <b>Heuliez</b> GX 127 (Euro 2, 3), 327                         |                     |                       |
| <b>Irisbus</b> Citelis, Citelis CNG                            |                     |                       |
| <b>Mercedes-Benz</b> Conecto I (O 345) (2001-), Intouro II     |                     |                       |
| <b>Neoplan</b> Centroliner (N 45XX), Trendliner (N 3516)       |                     |                       |
| <b>Van Hool</b> CL, T9, TL (Euro 2, 3)                         |                     |                       |
| <b>VDL</b> Bova Futura FHD (Euro 3)                            |                     |                       |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B12B, B12R, 7700, 9700, 9900 |                     |                       |



### Headlamp insert H7 spotlight

|                   |                        |
|-------------------|------------------------|
| Version           | without position light |
| Installation side | left/right             |
| Voltage           | 24 V                   |
| Depth             | 120 mm                 |
| Light aperture    | 90 mm                  |
| Form              | round                  |
| Ø                 | 90 mm                  |
| Test mark         | E1 917                 |
| Type              | flush-mounted          |

(Illustration similar)

| suitable for                                  | Order no.           | Comparative no.       |
|-----------------------------------------------|---------------------|-----------------------|
| <b>Volvo</b> B7L, B9L, B12B, 8700, 9700, 9900 | <b>0008 191 047</b> | Hella 1K0 008 191-041 |





### Headlamp insert Xenon spotlight

|                   |                    |
|-------------------|--------------------|
| Version           | with position lamp |
| Installation side | left/right         |
| Bulb type         | D2S/T4W            |
| Voltage           | 24 V               |
| Depth             | 120 mm             |
| Light aperture    | 90 mm              |
| Form              | round              |
| Ø                 | 90 mm              |
| Type              | flush-mounted      |

#### Scope of supply

with bulb, ballast and fittings

| suitable for     | Order no.    | Comparative no.       |
|------------------|--------------|-----------------------|
| Volvo B12B, 9700 | 0008 192 027 | Hella 1K0 008 192-027 |



### Cap for spotlight

Material Rubber

| suitable for    | Order no.    |
|-----------------|--------------|
| Volvo B9L, 7700 | 0145 943 001 |



### Additional headlamp

|           |                                        |
|-----------|----------------------------------------|
| Version   | with indicator, high beam and fog lamp |
| Bulb type | H4/P21W                                |
| Voltage   | 24 V                                   |
| Width     | 395 mm                                 |
| Height    | 95 mm                                  |
| Depth     | 175 mm                                 |
| Type      | flush-mounting                         |

| suitable for                                                                                                                                         | Installation side | Order no.    |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|
| MAN Lion's City (A20/A21/A23/A37), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), NG (A23), NL (A21) | left              | 9190 222 791 |
| MAN Lion's City (A20/A21/A23/A37), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), NG (A23), NL (A21) | right             | 9190 222 792 |





### Additional headlamp

|           |                                        |
|-----------|----------------------------------------|
| Version   | with indicator, high beam and fog lamp |
| Bulb type | H4/PY21W                               |
| Voltage   | 24 V                                   |
| Width     | 395 mm                                 |
| Height    | 95 mm                                  |
| Depth     | 175 mm                                 |
| Type      | flush-mounting                         |

| suitable for                                                 | Installation side | Order no.           |
|--------------------------------------------------------------|-------------------|---------------------|
| <b>MAN</b> Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13) | left              | <b>5233 206 113</b> |
| <b>MAN</b> Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13) | right             | <b>5233 206 114</b> |


**BOSCH**

### H3 fog light

|                   |                                    |
|-------------------|------------------------------------|
| Installation side | left/right                         |
| Voltage           | 12/24 V                            |
| Width             | 177 mm                             |
| Height            | 87 mm                              |
| Depth             | 71 mm                              |
| Type              | surface-mounted, suspended/upright |

| suitable for                                       | Order no.           | Comparative no.     |
|----------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11),<br>NL (A10), NM, ÜL | <b>3600 036 607</b> | Bosch 0 305 406 001 |



### H1 fog light

|         |      |
|---------|------|
| Voltage | 24 V |
|---------|------|

| suitable for                                                                                                                                | Installation side | Order no.           | Comparative no.             |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550),<br>Tourismo II, Travego I (O 580)                                               | left              | <b>3600 059 001</b> | Magnet Marelli 710305059001 |
| <b>Setra</b> S 315 UL (2003-), S 411/415 HD, S 415/416/417<br>HDH, S 431 DT, S 415/416/417 GT-HD, S 415/416 NF,<br>S 412/415/416/417/419 UL |                   |                     |                             |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550),<br>Tourismo II, Travego I (O 580)                                               | right             | <b>3600 059 002</b> | Magnet Marelli 710305059002 |
| <b>Setra</b> S 315 UL (2003-), S 411/415 HD, S 415/416/417<br>HDH, S 431 DT, S 415/416/417 GT-HD, S 415/416 NF,<br>S 412/415/416/417/419 UL |                   |                     |                             |

### Accessories

| Description               | Installation side | Order no.           | Comparative no.             |
|---------------------------|-------------------|---------------------|-----------------------------|
| Side light/indicator lens | left              | <b>3745 613 008</b> | Magnet Marelli 711305613008 |
| Side light/indicator lens | right             | <b>3745 613 009</b> | Magnet Marelli 711305613009 |

**H11 fog light**

Version with cornering light

| suitable for                                                                                                    | Installation side | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro C2 (O 530), Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 416/417 GT-HD (2007-) | left              | <b>3561 160 852</b> | Hella 1NA 010 059-011 |
| <b>Mercedes-Benz</b> Citaro C2 (O 530), Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 416/417 GT-HD (2007-) | right             | <b>3561 160 860</b> | Hella 1NA 010 059-021 |

5

Electrics and lighting

**H7 fog light**

|                   |               |
|-------------------|---------------|
| Installation side | left/right    |
| Voltage           | 24 V          |
| Width             | 96 mm         |
| Height            | 116 mm        |
| Depth             | 79 mm         |
| Form              | round         |
| Ø                 | 90 mm         |
| Type              | flush-mounted |

**Scope of supply**  
with bulb

| suitable for                                                                                                                                                           | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Intouro II<br><b>Neoplan</b> Centroliner (N 45XX), Skyliner (N 1122), Tourliner (N 2216),<br>Trendliner (N 3516)<br><b>Volvo</b> B12B, 9700, 9900 | <b>0008 582 011</b> | Hella 1N0 008 582-011 |

**H3 fog light**

|                    |               |
|--------------------|---------------|
| Installation side  | left/right    |
| Voltage            | 24 V          |
| Width              | 105 mm        |
| Height             | 105 mm        |
| Light aperture     | 50 mm         |
| Outer Ø            | 73,1 mm       |
| Type               | flush-mounted |
| Installation depth | 140 mm        |

**Scope of supply**  
without mounting frame

| suitable for                                        | Order no.           | Comparative no.       |
|-----------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-) | <b>0008 090 327</b> | Hella 1NL 008 090-327 |

**H1 fog light**

|                   |                        |
|-------------------|------------------------|
| Installation side | left/right             |
| Voltage           | 24 V                   |
| Depth             | 218 mm                 |
| Light aperture    | 100 mm                 |
| Form              | round, domed           |
| Ø                 | 124 mm                 |
| Type              | Flush-mounted, upright |

| suitable for                                         | Order no.           | Comparative no.       |
|------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Euroliner (N 3316), Starliner (N 516) | <b>0007 834 017</b> | Hella 1NL 007 834-017 |
| <b>Solaris</b> Urbino III                            |                     |                       |

**Fog light**

|                   |                           |
|-------------------|---------------------------|
| Version           | with daytime running lamp |
| Installation side | left/right                |
| Voltage           | 12 V                      |
| Width             | 96 mm                     |
| Height            | 116 mm                    |
| Depth             | 118,9 mm                  |
| Light aperture    | 90 mm                     |
| Form              | round                     |
| Ø                 | 90 mm                     |
| Type              | upright                   |

**Scope of supply**  
with mounting frame and bulb

| suitable for                      | Order no.           | Comparative no.       |
|-----------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Tourliner (N 2216) | <b>9260 294 001</b> | Hella 1N0 010 294-001 |

**H3 fog light**

|                    |               |
|--------------------|---------------|
| Installation side  | left/right    |
| Design             | DE/Halogen    |
| Voltage            | 24 V          |
| Light aperture     | 54 mm         |
| Type               | flush-mounted |
| Installation depth | 149,4 mm      |

**Scope of supply**  
with cover, cap, cable and bulb

| suitable for                                                                     | Order no.           | Comparative no.       |
|----------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner                                                       | <b>0007 186 047</b> | Hella 1NL 007 186-047 |
| <b>VDL</b> Bova Futura                                                           |                     |                       |
| <b>Volvo</b> B5LH, B7L, B9L, B9R, B12B, B12R, B13R, 7500, 7700, 8500, 9700, 9900 |                     |                       |



### Headlamp insert H1 fog light

|                   |               |
|-------------------|---------------|
| Installation side | left/right    |
| Design            | DE/Halogen    |
| Bulb type         | H1            |
| Voltage           | 24 V          |
| Width             | 150 mm        |
| Height            | 150 mm        |
| Depth             | 208 mm        |
| Light aperture    | 100 mm        |
| Form              | round, flat   |
| Ø                 | 124 mm        |
| Test mark         | E1 548        |
| Type              | flush-mounted |

| suitable for                      | Order no.    | Comparative no.       |
|-----------------------------------|--------------|-----------------------|
| Volvo B7R, B10L, B12B, 7500, 8500 | 0007 834 057 | Hella 1NL 007 834-057 |



### LED daytime running lamp

|              |                    |
|--------------|--------------------|
| Version      | with position lamp |
| Voltage      | 12/24 V            |
| Cable length | 500 mm             |
| Type         | surface mounted    |

| suitable for                    | Order no.    | Comparative no.       |
|---------------------------------|--------------|-----------------------|
| Mercedes-Benz Citaro II (O 530) | 0009 496 007 | Hella 2PT 009 496-007 |

#### Accessories

| Description      | Order no.    |
|------------------|--------------|
| Connection cable | 0165 959 001 |







### LED daytime running lights set LEDayFlex

|                   |            |
|-------------------|------------|
| Colour            | clear      |
| Installation side | left/right |
| Voltage           | 12/24 V    |
| Form              | round      |
| Ø                 | 30 mm      |
| Test mark         | E24 5852   |



| Version                                       | Description           | Fig. | Order no.           | Comparative no.       |
|-----------------------------------------------|-----------------------|------|---------------------|-----------------------|
| with daytime running light                    | 5 LED light modules   | 1    | <b>0010 458 801</b> | Hella 2PT 010 458-801 |
| with daytime running light and position light | 5 LED light module    | 1    | <b>0010 458 811</b> | Hella 2PT 010 458-811 |
| with daytime running light                    | 6 LED light modules   | 2    | <b>0010 458 821</b> | Hella 2PT 010 458-821 |
| with daytime running light and position light | 6 LED light modules   | 2    | <b>0010 458 831</b> | Hella 2PT 010 458-831 |
| with daytime running lamp                     | 7 LED lighting module | 3    | <b>0010 458 841</b> | Hella 2PT 010 458-841 |
| with daytime running light and position light | 7 LED lighting module | 3    | <b>0010 458 851</b> | Hella 2PT 010 458-851 |
| with daytime running light and position light | 8 LED lighting module | 4    | <b>0010 458 871</b> | Hella 2PT 010 458-871 |



### Connection cable for LED daytime running lights set

Voltage 12/24 V

| Description                                      | Order no.           | Comparative no.       |
|--------------------------------------------------|---------------------|-----------------------|
| 2-pole with connector, Cable length 500 mm       | <b>0178 139 001</b> | Hella 8KB 178 139-001 |
| 3-pole with connector, Cable length 2700/1800 mm | <b>0165 959 001</b> | Hella 8KA 165 959-001 |



### Indicator light

|                   |               |
|-------------------|---------------|
| Installation side | left/right    |
| Bulb type         | PY21W         |
| Voltage           | 12/24 V       |
| Depth             | 87,5 mm       |
| Ø                 | 55 mm         |
| Type              | flush-mounted |

#### suitable for

**Heuliez** GX 127 (Euro 2, 3), 327  
**Irisbus** Citelis, Citelis CNG, Evadys H, Magelys HD/Pro  
**Mercedes-Benz** Intouro II  
**Neoplan** Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)  
**Solaris** Urbino III  
**Temsa** Safari (Euro 3, 4), Tourmalin (Euro 4)  
**Van Hool** CL, T9, TL (Euro 2, 3)  
**Volvo** B5LH, B7R, B9L, B9R, B10L, B12B, B12R, 7500, 7700, 8500, 9700, 9900

#### Order no.

**0008 221 001**

#### Comparative no.

Hella 2BA 008 221-001



### Indicator light

|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Bulb type         | PY21W      |
| Voltage           | 24 V       |

#### suitable for

**Irisbus** Arway, Crossway LE, Récréo II

#### Order no.

**5532 440 150**



### Indicator light

|                   |               |
|-------------------|---------------|
| Installation side | left/right    |
| Bulb type         | P21W          |
| Voltage           | 24 V          |
| Width             | 199 mm        |
| Height            | 167 mm        |
| Depth             | 98 mm         |
| Type              | flush-mounted |

#### suitable for

**MAN** EL (A12), NG (A11), NL (A10/A15)

#### Order no.

**9582 700 189**





### Indicator light

|           |                                            |
|-----------|--------------------------------------------|
| Version   | without high beam and fog light, with trim |
| Bulb type | P21W                                       |
| Voltage   | 24 V                                       |
| Width     | 395 mm                                     |
| Height    | 95 mm                                      |
| Depth     | 175 mm                                     |
| Type      | flush-mounting                             |

#### Scope of supply

with bulb holder

| suitable for                                                     | Installation side | Order no.           |
|------------------------------------------------------------------|-------------------|---------------------|
| <b>MAN</b> Lion's City (A23/A37/A47/A78), Lion's Classic Ü (A72) | left              | <b>5233 206 089</b> |
| <b>MAN</b> Lion's City (A23/A37/A47/A78), Lion's Classic Ü (A72) | right             | <b>5233 206 090</b> |



### Indicator light

|                       |                           |
|-----------------------|---------------------------|
| Installation location | surface mounting at front |
| Installation side     | left/right                |
| Bulb type             | P21W                      |
| Voltage               | 24 V                      |
| Width                 | 264 mm                    |
| Height                | 133 mm                    |
| Type                  | flush-mounted             |

#### Scope of supply

with bulb holder

**Suitable for MAN NÜ (A20) pre-series vehicles.**

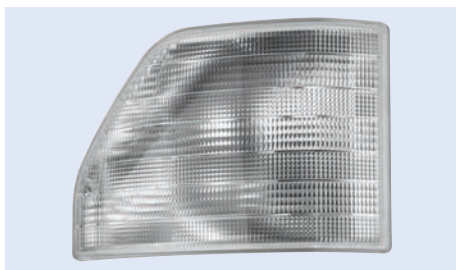
| suitable for                                                               | Order no.           | Comparative no.       |
|----------------------------------------------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's Coach, Lion's Comfort, Lion's Star, ND 202, NÜ (A20), ÜL | <b>0005 603 001</b> | Hella 2BA 005 603-001 |



### Indicator light

|                       |                           |
|-----------------------|---------------------------|
| Installation location | surface mounting at front |
| Installation side     | left/right                |
| Bulb type             | P21W                      |
| Voltage               | 24 V                      |
| Width                 | 254 mm                    |
| Height                | 122 mm                    |
| Type                  | flush-mounted, horizontal |

| suitable for                               | Order no.           | Comparative no.       |
|--------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | <b>0004 119 001</b> | Hella 2BA 004 119-001 |

**Indicator light**

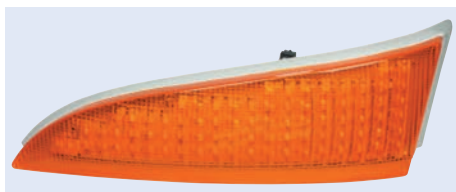
|                       |       |
|-----------------------|-------|
| Installation location | front |
| Bulb type             | P21W  |
| Voltage               | 24 V  |

| suitable for                          | Installation side | Order no.           | Comparative no.             |
|---------------------------------------|-------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530) | left              | <b>9468 205 821</b> | Mercedes-Benz 001 820 58 21 |
| <b>Mercedes-Benz</b> Citaro I (O 530) | right             | <b>9468 205 921</b> | Mercedes-Benz 001 820 59 21 |

**Indicator light**

|                       |               |
|-----------------------|---------------|
| Installation location | front         |
| Installation side     | left / right  |
| Bulb type             | P21W, W5W     |
| Voltage               | 24 V          |
| Width                 | 192 mm        |
| Height                | 133 mm        |
| Type                  | flush-mounted |

| suitable for                                                                                        | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 44XX/45XX), Euroliner (N 3316), Starliner (N 516)<br><b>Volvo</b> B7L | <b>0004 119 021</b> | Hella 2BE 004 119-021 |

**LED indicator light**

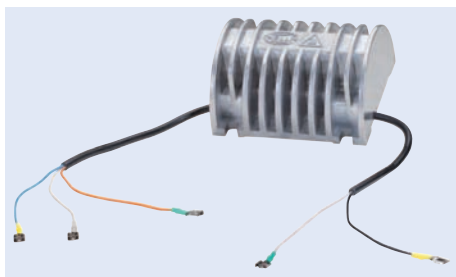
|                       |       |
|-----------------------|-------|
| Installation location | front |
| Voltage               | 24 V  |

| suitable for                                           | Installation side | Order no.           |
|--------------------------------------------------------|-------------------|---------------------|
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT | left              | <b>1325 006 921</b> |
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT | right             | <b>1325 007 021</b> |

**LED indicator light****Bus, universal**

|                   |             |
|-------------------|-------------|
| Lens colour       | transparent |
| Housing colour    | grey        |
| Voltage           | 24 V        |
| Power consumption | 2 W         |
| Width             | 192 mm      |
| Height            | 133 mm      |
| Cable length      | 500 mm      |

| Order no.           | Comparative no.       |
|---------------------|-----------------------|
| <b>0008 982 041</b> | Hella 2BA 008 982-041 |



### LED ballast

Voltage 24 V

#### Scope of supply

with flat spade terminals

**Mandatory for conversion to LED direction indicators. This serves the purpose of the legally required direction indicator failure recognition (according to the ECE ruling).**

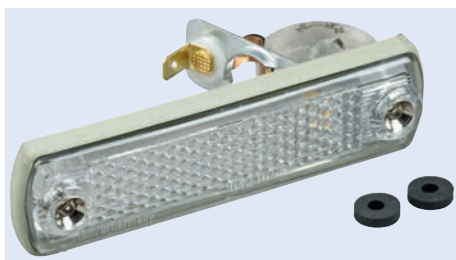
| Order no.    | Comparative no.       |
|--------------|-----------------------|
| 0009 552 011 | Hella 5DS 009 552-011 |



### Position light

Lens colour clear  
Width 136 mm  
Height 40 mm  
Depth 45 mm  
Type surface mounted

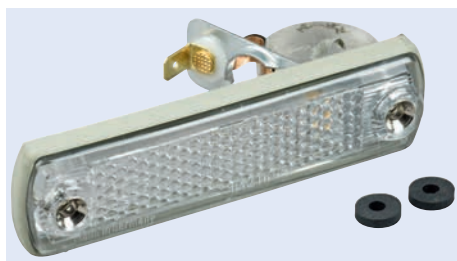
| suitable for                                      | Version            | Order no.           |
|---------------------------------------------------|--------------------|---------------------|
| <b>MAN NL (A10)</b><br><b>Mercedes-Benz O 407</b> | without antidazzle | <b>9501 250 018</b> |
| <b>Mercedes-Benz O 405 N</b>                      | with antidazzle    | <b>9500 710 289</b> |



### Position light

Installation location front  
Installation side left/right  
Voltage 24 V  
Width 100 mm  
Height 26 mm  
Depth 38 mm  
Type flush / surface mounted

| suitable for                                                                                                                                                                                                                                                                                                                                                  | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Tourino (O 510), Turismo II, Travego I (O 580)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT,<br>S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT,<br>SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/417 GT-HD,<br>S 415 NF, S 415/417/419 UL | <b>0001 647 067</b> | Hella 2PF 001 647-067 |



### Position light

|                       |                    |
|-----------------------|--------------------|
| Version               | with straight seal |
| Colour                | transparent        |
| Installation location | front, top         |
| Installation side     | left/right         |
| Bulb type             | R10W               |
| Voltage               | 12/24 V            |
| Width                 | 100 mm             |
| Height                | 26 mm              |
| Depth                 | 38 mm              |
| Type                  | flush-mounting     |

### Scope of supply

without bulb

| suitable for                                                                                                                                                                                | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourino (O 510), Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 415/417 GT-HD, S 415 NF,<br>S 415/417/419 UL | <b>0001 647 031</b> | Hella 2PF 001 647-031 |



### Position light

|                       |            |
|-----------------------|------------|
| Colour                | white      |
| Installation location | front, top |
| Installation side     | left/right |
| Bulb type             | W5W        |
| Width                 | 140 mm     |
| Height                | 65 mm      |
| Depth                 | 30,5 mm    |

| suitable for                                                                                                                                  | Order no.           | Comparative no. |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Heuliez</b> GX 127, 217, 417<br><b>Irisbus</b> Arès, Arway, Citelis, Citelis CNG, Crossway LE, Evayds HD, Iliade,<br>Magelys HD, Récréo II | <b>3900 195 000</b> | Vignal 195030   |



### LED position light

|                   |                |
|-------------------|----------------|
| Colour            | clear          |
| Installation side | left/right     |
| Voltage           | 10-30 V        |
| Width             | 77 mm          |
| Height            | 23 mm          |
| Depth             | 18,2 mm        |
| Type              | flush-mounting |

| suitable for                                                           | Order no.           |
|------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Volvo</b> B5LH, B9L, 7700 | <b>9551 001 303</b> |

**Position light**

|                   |               |
|-------------------|---------------|
| Colour            | white         |
| Installation side | left/right    |
| Bulb type         | C5W           |
| Voltage           | 24 V          |
| Width             | 100 mm        |
| Height            | 40 mm         |
| Type              | flush mounted |

**suitable for**

**Mercedes-Benz** Conecto I (O 345), O 404, O 408, Tourismo I (O 350)  
**Volvo** B7L, B7R, B9L, B9R, B12B, B13R, 7500, 7700, 8500, 9700, 9900

**Order no.**

1325 463 541

**Position light**

|                       |                |
|-----------------------|----------------|
| Colour                | white          |
| Installation location | front, top     |
| Installation side     | left/right     |
| Bulb type             | C5W            |
| Voltage               | 24 V           |
| Width                 | 100 mm         |
| Height                | 40 mm          |
| Type                  | flush-mounting |

**Scope of supply**

with bulb holder

**suitable for**

**Mercedes-Benz** Conecto I (O 345), O 408, Tourismo I (O 350)  
**Volvo** B7L, B7R, B9L, B9R, B12B, B13R, 7500, 8500, 9900

**Order no.**

0961 167 021

**Comparative no.**

Hella 2PF 961 167-021

**Position light**

|                       |                  |
|-----------------------|------------------|
| Version               | with rubber base |
| Installation location | front            |
| Installation side     | left/right       |
| Voltage               | 24 V             |
| Width                 | 53,5 mm          |
| Height                | 48 mm            |
| Depth                 | 68,2 mm          |
| Type                  | surface mounted  |

**for front surface mounting on the roof, a 0° to 90° slope of the roof can be compensated for**

**suitable for****Neoplan** Skyliner (N 1122)**Order no.**

0006 679 007

**Comparative no.**

Hella 2PF 006 679-001





### Position light

|                       |               |
|-----------------------|---------------|
| Colour                | white         |
| Installation location | front, top    |
| Bulb type             | W5W           |
| Voltage               | 24 V          |
| Depth                 | 49 mm         |
| Ø                     | 20,5 mm       |
| Type                  | flush mounted |

#### Scope of supply

with bulb

| suitable for                      | Order no.           | Comparative no.       |
|-----------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Tourliner (N 2216) | <b>0003 563 187</b> | Hella 2PF 003 563-187 |



### Position light

|                       |               |
|-----------------------|---------------|
| Colour                | white         |
| Installation location | front         |
| Installation side     | left/right    |
| Bulb type             | R5W           |
| Voltage               | 12/24 V       |
| Depth                 | 87,5 mm       |
| Cable length          | 500 m         |
| Ø                     | 55 mm         |
| Type                  | flush-mounted |

| suitable for                      | Order no.           | Comparative no.       |
|-----------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Tourliner (N 2216) | <b>0008 221 011</b> | Hella 2PF 008 221-011 |
| <b>Solaris</b> Urbino III         |                     |                       |



### LED position light

|                   |                  |
|-------------------|------------------|
| Colour            | white            |
| Installation side | left/right       |
| Voltage           | 10-33 V          |
| Width             | 60 mm            |
| Height            | 38 mm            |
| Depth             | 32 mm            |
| Cable length      | 5000 mm          |
| Type              | surface-mounting |

| suitable for                  | Cable length | Order no.           | Comparative no.       |
|-------------------------------|--------------|---------------------|-----------------------|
| <b>MAN</b> Lion's Coach (R07) | 500 mm       | <b>0959 570 401</b> | Hella 2PF 959 570-401 |
| <b>Solaris</b> Urbino III     |              |                     |                       |
| <b>Solaris</b> Urbino III     | 5000 mm      | <b>0959 570 411</b> | Hella 2PF 959 570-411 |



**Indicator light**

|                       |                 |
|-----------------------|-----------------|
| Installation location | at the side     |
| Installation side     | left/right      |
| Bulb type             | P21W            |
| Voltage               | 24 V            |
| Test mark             | E2 5047/E2 7139 |

**Scope of supply**  
without bulb carriers

| suitable for                         | Order no.    | Comparative no. |
|--------------------------------------|--------------|-----------------|
| Heuliez GX                           | 6001 626 101 | Vignal 119550   |
| Irisbus Agora, Arès, Citelis, Iliade |              |                 |

**Accessories**

| Description | Order no.    | Comparative no. |
|-------------|--------------|-----------------|
| Bulb holder | 6210 016 160 | Vignal 001616   |

**5**

Electrics and lighting

**Indicator light**

|                       |                  |
|-----------------------|------------------|
| Installation location | at the side      |
| Installation side     | left/right       |
| Bulb type             | P21W             |
| Voltage               | 24 V             |
| Depth                 | 71 mm            |
| Outer Ø               | 77 mm            |
| Type                  | surface mounting |

**Scope of supply**  
with cable and bulb

| suitable for                                                                          | Order no.    |
|---------------------------------------------------------------------------------------|--------------|
| MAN Lion's City (A20/A21/A23/A37/A47/A78), Lion's Coach (R07/R08), NG (A23), NL (A21) | 1325 331 054 |
| Neoplan Centroliner (N 45XX), Trendliner (N 3516)                                     |              |

**Indicator light**

|                       |                  |
|-----------------------|------------------|
| Installation location | at the side      |
| Installation side     | left/right       |
| Bulb type             | PY21W            |
| Voltage               | 24 V             |
| Depth                 | 52,5 mm          |
| Outer Ø               | 122,5 mm         |
| Type                  | surface mounting |

| suitable for                                       | Order no.    |
|----------------------------------------------------|--------------|
| MAN Lion's Coach (R07/R08), Lion's Regio (R12/R13) | 5233 206 106 |



### Indicator light

|                       |                  |
|-----------------------|------------------|
| Installation location | at the side      |
| Installation side     | left/right       |
| Bulb type             | PY21W            |
| Voltage               | 24 V             |
| Depth                 | 52,5 mm          |
| Outer Ø               | 75 mm            |
| Type                  | surface mounting |

#### suitable for

**MAN** Lion's Regio (R12/R13)

**Neoplan** Trendliner (N 3516)

#### Order no.

**1325 331 052**



### Indicator light

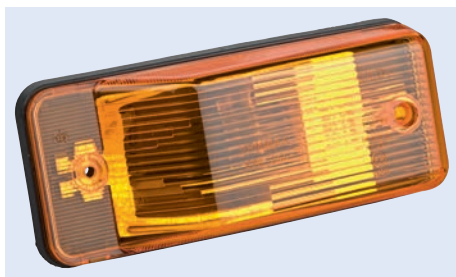
|                       |             |
|-----------------------|-------------|
| Installation location | at the side |
| Bulb type             | P21W        |
| Voltage               | 12 V        |
| Width                 | 140 mm      |
| Height                | 51 mm       |
| Depth                 | 47,5 mm     |

#### Scope of supply

with bulb holder

| suitable for                                                                                                                                                                                                                                                                                                                                                                               | Installation side | Order no.           | Comparative no.       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)<br><b>Mercedes-Benz</b> Conecto I (O 345), O 407, O 408, Tourismo I (O 350)<br><b>Neoplan</b> Centroliner (N 44XX/45XX), Cityliner (N 116), Euroliner (N 3316/3318), Skyliner (N 122), Spaceliner (N 117), Starliner (N 516)<br><b>Volvo</b> B7R, B10L, B12B, 7500, 8500                                 | left              | <b>0006 692 011</b> | Hella 2BM 006 692-011 |
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520), Conecto I (O 345), O 407, O 408, Tourismo I (O 350)<br><b>Neoplan</b> Cityliner (N 116), Centroliner (N 44XX/45XX), Euroliner (N 3316/3318), Skyliner (N 122), Spaceliner (N 117), Starliner (N 516)<br><b>Volvo</b> B7L, B10L, B12B, 7500, 8500 | right             | <b>0006 692 021</b> | Hella 2BM 006 692-021 |

*Test units for vehicle electrical systems can be found on pages 633-637.*

**Indicator light**

|                       |             |
|-----------------------|-------------|
| Installation location | at the side |
| Voltage               | 24 V        |
| Width                 | 165 mm      |
| Height                | 73 mm       |

| suitable for                                                                                                                                                                                                                                                                                       | Installation side | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, S 415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | left              | <b>9643 251 030</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, S 415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | right             | <b>9643 251 020</b> |

**Indicator light**

|                       |                  |
|-----------------------|------------------|
| Colour                | yellow           |
| Installation location | at the side      |
| Installation side     | left, right      |
| Bulb type             | P21/5W           |
| Voltage               | 24 V             |
| Type                  | surface mounting |

**Scope of supply**

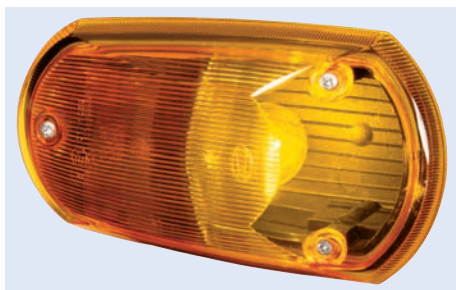
without bulb carriers

| suitable for                    | Order no.           |
|---------------------------------|---------------------|
| <b>Setra</b> S 411 HD, S 412 UL | <b>9503 700 104</b> |

**Auxiliary flasher light**

|                       |             |
|-----------------------|-------------|
| Installation location | at the side |
| Installation side     | left/right  |
| Bulb type             | PY21W       |
| Voltage               | 24 V        |
| Width                 | 140 mm      |
| Height                | 78 mm       |
| Depth                 | 52 mm       |

| suitable for                                                                                | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216) | <b>0008 355 017</b> | Hella 2BM 008 355-017 |



### Auxiliary flasher light

|                       |                  |
|-----------------------|------------------|
| Installation location | at the side      |
| Bulb type             | P21W             |
| Voltage               | 24 V             |
| Width                 | 140 mm           |
| Height                | 78 mm            |
| Depth                 | 52 mm            |
| Type                  | surface mounting |

can be used in splash water protected area

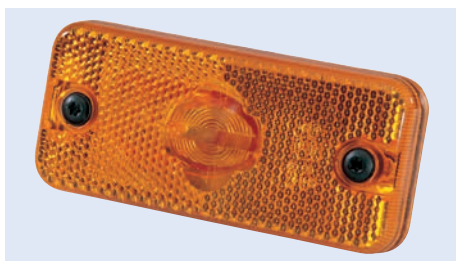
| suitable for                                                                    | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Skyliner (N 1122), Tourliner (N 2216)                            | <b>0008 355 001</b> | Hella 2BM 008 355-001 |
| <b>Setra</b> S 415 HD, S 417 HDH, S 431 DT, S 416/417 GT-HD                     |                     |                       |
| <b>Solaris</b> Urbino III                                                       |                     |                       |
| <b>Volvo</b> B5LH, B7L, B7R, B9L, B9R, B12B, B12R, B13R, 7700, 8700, 9700, 9900 |                     |                       |



### Auxiliary flasher light

|                       |                  |
|-----------------------|------------------|
| Installation location | at the side      |
| Bulb type             | P21W             |
| Voltage               | 24 V             |
| Test mark             | E1 32692         |
| Type                  | surface mounting |

| suitable for                                                                                                                                                     | Installation side | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------------------|
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | left              | <b>0002 847 097</b> | Hella 2BM 002 847-097 |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | right             | <b>0002 847 107</b> | Hella 2BM 002 847-107 |



### Side marker light

|                   |                |
|-------------------|----------------|
| Version           | with reflector |
| Installation side | left/right     |
| Bulb type         | W5W            |
| Voltage           | 12/24 V        |
| Width             | 110 mm         |
| Height            | 50 mm          |
| Depth             | 18 mm          |
| Type              | flush-mounted  |

| suitable for                                                       | Order no.           | Comparative no. |
|--------------------------------------------------------------------|---------------------|-----------------|
| <b>Heuliez</b> GX                                                  | <b>6211 930 200</b> | Vignal 193020   |
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE, Récréo II |                     |                 |



### Accessories

| Description | Order no.           | Comparative no. |
|-------------|---------------------|-----------------|
| Bulb holder | <b>6210 017 260</b> | Vignal 001726   |



### Side marker light

two pole flat contact housing, with bulb carrier installed and encapsulated cable

|                   |                     |
|-------------------|---------------------|
| Version           | with reflector      |
| Installation side | left/right          |
| Bulb type         | W3W                 |
| Voltage           | 24 V                |
| Length            | 200 mm              |
| Width             | 120 mm              |
| Height            | 45 mm               |
| Depth             | 40 mm               |
| Cable length      | 200 mm              |
| Type              | flush-mounted, side |

#### Scope of supply

with housing, bulb carrier and cable,  
without bulb, seal or connector

#### suitable for

**MAN** EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)

#### Order no.

**9645 615 050**



### LED side marker light

|           |                                             |
|-----------|---------------------------------------------|
| Version   | with reflector and cable with AMP connector |
| Fastening | horizontal                                  |
| Voltage   | 24 V                                        |
| Width     | 120 mm                                      |
| Height    | 45 mm                                       |
| Depth     | 38,5 mm                                     |
| Type      | flush-mounted                               |

#### suitable for

**MAN** Lion's City (A20), NG (A23), NL (A10/A21)  
**Neoplan** Centroliner (N 45XX)

#### Order no.

**9640 561 536**



### LED side marker light

|              |                      |
|--------------|----------------------|
| Version      | with reflector       |
| Connection   | with 2-pole AMP plug |
| Voltage      | 24 V                 |
| Width        | 134,9 mm             |
| Height       | 23,4 mm              |
| Depth        | 9,5 mm               |
| Cable length | 195 mm               |
| Type         | surface mounting     |

#### suitable for

**MAN** Lion's Regio (R12/R13)  
**Neoplan** Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX)

#### Order no.

**0009 226 017**

#### Comparative no.

Hella 2PS 009 226-017



**LED side marker light**

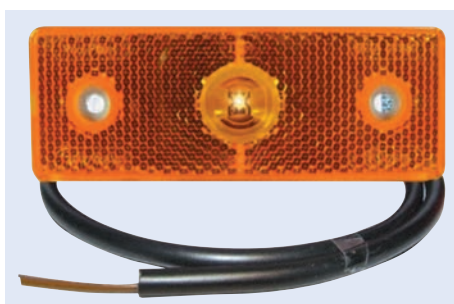
|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Version           | with reflector, with 60 mm encapsulated cable and Bosch connector |
| Installation side | left/right                                                        |
| Voltage           | 24 V                                                              |
| Length            | 120 mm                                                            |
| Width             | 45 mm                                                             |
| Height            | 38,5 mm                                                           |
| Type              | flush-mounted                                                     |

**suitable for****Order no.****Mercedes-Benz** Citaro I/II (O 530)**8580 561 535****Setra** S 415 NF**LED side marker light**

|           |                                               |
|-----------|-----------------------------------------------|
| Version   | with reflector and cable with Bosch connector |
| Fastening | horizontal                                    |
| Voltage   | 24 V                                          |
| Width     | 120 mm                                        |
| Height    | 45 mm                                         |
| Depth     | 38,5 mm                                       |

**suitable for****Order no.****Mercedes-Benz** Citaro I/II (O 530)**9640 561 535****Setra** S 415 NF**LED side marker light**

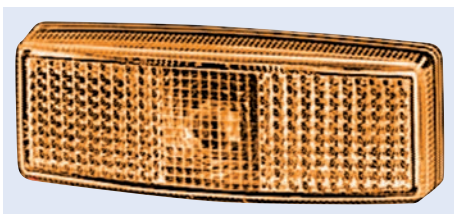
|         |               |
|---------|---------------|
| Voltage | 24 V          |
| Length  | 110 mm        |
| Width   | 41 mm         |
| Type    | flush mounted |

**suitable for****Order no.****Mercedes-Benz** Citaro II/C2 (O 530), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II, Travego II**1325 463 495****Setra** S 315 UL, S 411/415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL**LED side marker light**

|                   |                                              |
|-------------------|----------------------------------------------|
| Version           | with reflector and 200 mm encapsulated cable |
| Installation side | left/right                                   |
| Fastening         | horizontal                                   |
| Voltage           | 24 V                                         |
| Width             | 120 mm                                       |
| Height            | 45 mm                                        |
| Depth             | 38,5 mm                                      |
| Type              | flush mounted                                |

**suitable for****Order no.****Mercedes-Benz** Citaro I (O 530), O 405 N, O 408, Tourino (O 510), Travego I (O 580)**9645 615 200****Setra** S 411/415 HD, S 416/417 HDH, S 416 GT-HD**Solaris** Urbino III (U12)





### Side marker light

|                   |                                      |
|-------------------|--------------------------------------|
| Version           | with reflector                       |
| Installation side | left/right                           |
| Bulb type         | W5W                                  |
| Width             | 110 mm                               |
| Height            | 40 mm                                |
| Depth             | 25 mm                                |
| Type              | surface-mounted, horizontal/vertical |

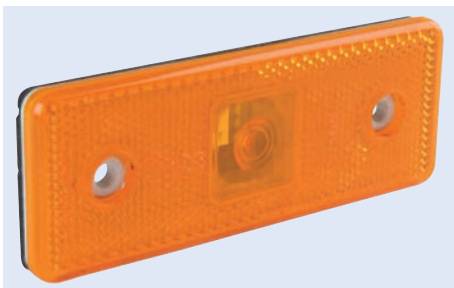
| suitable for        | Order no.    | Comparative no.       |
|---------------------|--------------|-----------------------|
| Mercedes-Benz O 407 | 0006 717 071 | Hella 2PS 006 717-071 |

#### Accessories

| Description | Order no.    | Comparative no.       |
|-------------|--------------|-----------------------|
| Lens        | 0141 135 031 | Hella 9EL 141 135-031 |

5

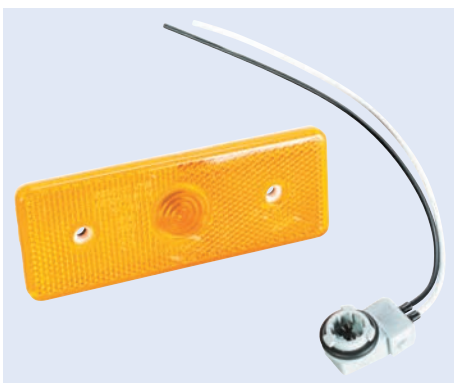
Electrics and lighting



### Side marker light

|                   |                                 |
|-------------------|---------------------------------|
| Version           | with seal, without bulb carrier |
| Installation side | left/right                      |
| Fastening         | vertical                        |
| Bulb type         | W3W                             |
| Voltage           | 24 V                            |
| Width             | 41 mm                           |
| Height            | 110 mm                          |
| Depth             | 7,5 mm                          |

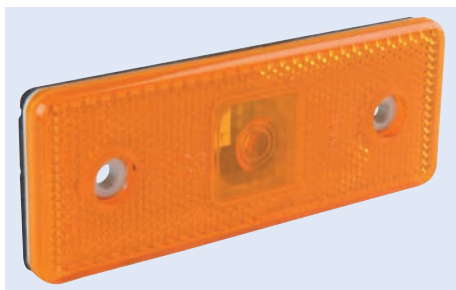
| suitable for                                            | Order no.    |
|---------------------------------------------------------|--------------|
| Mercedes-Benz O 405 N, O 407, O 408, Tourismo I (O 350) | 9500 992 901 |



### Side marker light

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Version               | with installed bulb carrier and encapsulated cable and reflector |
| Installation location | at the side                                                      |
| Installation side     | left/right                                                       |
| Bulb type             | W3W                                                              |
| Voltage               | 24 V                                                             |
| Width                 | 120 mm                                                           |
| Height                | 45 mm                                                            |
| Depth                 | 40 mm                                                            |

| suitable for                                                                                                               | Order no.    |
|----------------------------------------------------------------------------------------------------------------------------|--------------|
| Setra S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 411/415 HD, S 415/417 HDH, S 431 DT | 9645 615 100 |



### Side marker light

|           |                                 |
|-----------|---------------------------------|
| Version   | with seal, without bulb carrier |
| Fastening | horizontal                      |
| Bulb type | W3W                             |
| Voltage   | 24 V                            |
| Width     | 110 mm                          |
| Height    | 41 mm                           |
| Depth     | 7,5 mm                          |

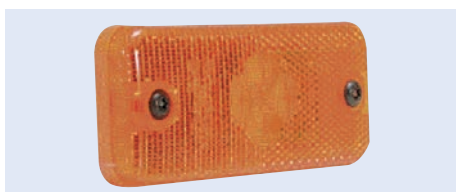
|                     |                  |
|---------------------|------------------|
| <b>suitable for</b> | <b>Order no.</b> |
| Setra S 411 HD      | 9500 992 899     |



### LED side marker light

Installation side left/right

|                          |                  |
|--------------------------|------------------|
| <b>suitable for</b>      | <b>Order no.</b> |
| Solaris Urbino III (U18) | 7560 154 001     |



### LED side marker light

|                   |                        |
|-------------------|------------------------|
| Version           | 2 LEDs, with reflector |
| Installation side | left/right             |
| Voltage           | 24 V                   |
| Width             | 110 mm                 |
| Height            | 50 mm                  |
| Depth             | 18 mm                  |
| Type              | flush mounted          |

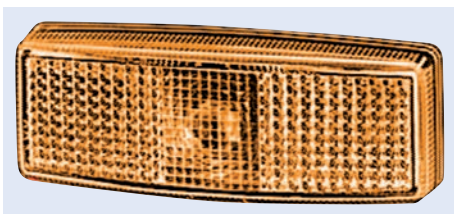
|                                                                                 |                  |                        |
|---------------------------------------------------------------------------------|------------------|------------------------|
| <b>suitable for</b>                                                             | <b>Order no.</b> | <b>Comparative no.</b> |
| Volvo B5LH, B7L, B9L, B9R, B10L, B12B, B12R, B13R, 7500, 7700, 8500, 9700, 9900 | 3900 198 650     | Vignal 198650          |



### LED side marker light

|              |                 |
|--------------|-----------------|
| Version      | with reflector  |
| Voltage      | 24 V            |
| Length       | 110,5 mm        |
| Height       | 50,4 mm         |
| Depth        | 24 mm           |
| Cable length | 500 mm          |
| Type         | surface mounted |

|                                 |                  |
|---------------------------------|------------------|
| <b>suitable for</b>             | <b>Order no.</b> |
| Volvo B7L, B7R, B9R, B12B, 8700 | 8000 006 428     |



### Side marker light

|                   |                 |
|-------------------|-----------------|
| Version           | with reflector  |
| Installation side | left/right      |
| Bulb type         | W5W             |
| Voltage           | 12/24 V         |
| Width             | 110 mm          |
| Height            | 40 mm           |
| Depth             | 25 mm           |
| Test mark         | E1 86, E17 378  |
| Type              | surface mounted |

#### Scope of supply

with self-adhesive film for mounting

| suitable for | Order no.    | Comparative no.       |
|--------------|--------------|-----------------------|
| Volvo B7L    | 0006 717 051 | Hella 2PS 006 717-051 |

#### Accessories

| Description | Order no.    | Comparative no.       |
|-------------|--------------|-----------------------|
| Lens        | 0141 135 031 | Hella 9EL 141 135-031 |



### Clearance light

|                       |                 |
|-----------------------|-----------------|
| Colour                | red/white       |
| Installation location | at the side     |
| Installation side     | left/right      |
| Bulb type             | R5W             |
| Voltage               | 12/24 V         |
| Width                 | 42 mm           |
| Height                | 92 mm           |
| Depth                 | 37 mm           |
| Type                  | surface mounted |

| suitable for                                             | Order no.    | Comparative no.     |
|----------------------------------------------------------|--------------|---------------------|
| Mercedes-Benz Tourismo II<br>Setra S 416 GT-HD, S 419 UL | 8840 202 180 | Proplast 40 101 004 |

#### Accessories

| Description | Order no.    | Comparative no.     |
|-------------|--------------|---------------------|
| Lens        | 8840 202 184 | Proplast 40 101 104 |

*Test units for vehicle electrical systems can be found on pages 633-637.*



### Clearance light

|                       |                 |
|-----------------------|-----------------|
| Lens colour           | white/red       |
| Installation location | upper, side     |
| Installation side     | left/right      |
| Bulb type             | T4W             |
| Width                 | 42 mm           |
| Height                | 92 mm           |
| Depth                 | 37 mm           |
| Type                  | surface mounted |

#### Scope of supply

2 attachment screws ST 3,5 x 16-C, without bulb

| suitable for                                                           | Order no.           | Comparative no.       |
|------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 416 GT-HD, S 419 UL | <b>0005 020 003</b> | Hella 2XS 005 020-003 |

#### Accessories

| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Lens        | <b>0132 215 001</b> | Hella 9EL 132 215-001 |



### Clearance light

|                       |                 |
|-----------------------|-----------------|
| Lens colour           | clear/black     |
| Installation location | rear, side      |
| Installation side     | left/right      |
| Bulb type             | T4W             |
| Width                 | 42 mm           |
| Height                | 116 mm          |
| Depth                 | 37 mm           |
| Type                  | surface mounted |

#### Scope of supply

2 attachment screws ST 3,5 x 16-C, without grommet

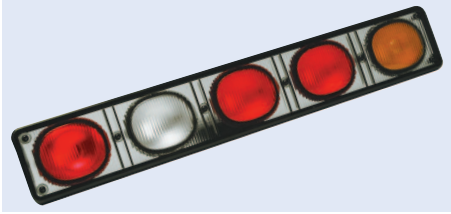
| suitable for                                                                                                           | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Travego II<br><b>Setra</b> S 411 HD, S 431 DT, S 417 GT-HD | <b>0005 020 077</b> | Hella 2XS 005 020-077 |



### Clearance light

|                       |             |
|-----------------------|-------------|
| Lens colour           | white/red   |
| Installation location | at the side |
| Bulb type             | C5W         |
| Voltage               | 24 V        |
| Width                 | 39,2 mm     |
| Height                | 122,5 mm    |
| Depth                 | 28,6 mm     |

| suitable for                                                                 | Installation side | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------|-------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Trendliner (N 3516) | left              | <b>0008 479 041</b> | Hella 2XS 008 479-041 |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Trendliner (N 3516) | right             | <b>0008 479 051</b> | Hella 2XS 008 479-051 |

**Rear light**

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Installation side | left/right                                            |
| Version           | with indicator, stop, reversing and double tail light |
| Width             | 120 mm                                                |
| Height            | 700 mm                                                |
| Depth             | 60 mm                                                 |

| suitable for                  | Order no.    | Comparative no. |
|-------------------------------|--------------|-----------------|
| Irisbus Arès, Evadys, Illiade | 3901 950 000 | Vignal 195000   |

**Rear light**

|                   |                                      |
|-------------------|--------------------------------------|
| Version           | with indicator, brake and tail light |
| Colour            | red/yellow                           |
| Installation side | left/right                           |
| Voltage           | 12/24 V                              |
| Width             | 347 mm                               |
| Height            | 147 mm                               |
| Depth             | 72 mm                                |
| Type              | surface-mounting                     |

| suitable for                         | Order no.    |
|--------------------------------------|--------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 8840 206 002 |
| Mercedes-Benz O 405 N, O 407         |              |

**Accessories**

| Description | Order no.    |
|-------------|--------------|
| Lens        | 8840 206 102 |

**Rear light**

|         |                          |
|---------|--------------------------|
| Version | with brake and tail lamp |
| Voltage | 24 V                     |

| suitable for                    | Installation side | Order no.    |
|---------------------------------|-------------------|--------------|
| Mercedes-Benz Citaro I (O 530)  | left              | 9468 203 564 |
| Mercedes-Benz Citaro I (O 530)  | right             | 9468 203 664 |
| Mercedes-Benz Travego I (O 580) | left              | 9468 203 664 |
| Mercedes-Benz Travego I (O 580) | right             | 9468 203 564 |

**Rear light**

|                       |                          |
|-----------------------|--------------------------|
| Version               | with brake and tail lamp |
| Colour                | red                      |
| Installation location | top                      |
| Installation side     | left/right               |
| Bulb type             | P21/5W                   |
| Voltage               | 24 V                     |
| Type                  | flush-mounted            |

| suitable for                                          | Order no.    |
|-------------------------------------------------------|--------------|
| Mercedes-Benz Citaro I/II/C2 (O 530), Tourino (O 510) | 9468 261 344 |
| Setra S 415 NF                                        |              |





### Rear light

Version with brake, indicator, reversing and tail lamp,  
without rear foglamp

#### Scope of supply

with bulb holder, without bulb

| suitable for                                                                                              | Installation side | Order no.           |
|-----------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF,<br>S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | left              | <b>9644 498 130</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF,<br>S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | right             | <b>9644 498 140</b> |



### Rear light

Version with indicator, stop, tail, rear fog and reversing lamp

| suitable for                                           | Installation side | Order no.           |
|--------------------------------------------------------|-------------------|---------------------|
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT | left              | <b>4302 112 047</b> |
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT | right             | <b>4302 112 048</b> |



### LED rear light

Version with tail lamp  
 Lens colour transparent  
 Colour red  
 Installation side left/right  
 Voltage 24 V  
 Ø 55/58 mm  
 Type flush-mounted

| suitable for                                                                                           | Order no.           | Comparative no.       |
|--------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Volvo</b> B9R, B12B | <b>0008 405 011</b> | Hella 2SA 008 405-011 |





### Rear light

|                   |                          |
|-------------------|--------------------------|
| Version           | with brake and tail lamp |
| Colour            | red                      |
| Installation side | left/right               |
| Bulb type         | P21/5W                   |
| Voltage           | 24 V                     |
| Width             | 192 mm                   |
| Height            | 133 mm                   |
| Type              | flush-mounted            |

| suitable for                             | Order no.           | Comparative no.       |
|------------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A47) | <b>0008 805 021</b> | Hella 2SB 008 805-021 |
| <b>Volvo</b> B9R                         |                     |                       |

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Electrics and lighting



### Rear light

|                   |                                    |
|-------------------|------------------------------------|
| Version           | with tail lamp                     |
| Colour            | red                                |
| Installation side | left/right                         |
| Bulb type         | R5W                                |
| Width             | 117 mm                             |
| Height            | 139 mm                             |
| Depth             | 63 mm                              |
| Type              | Flush mounted, vertical/horizontal |

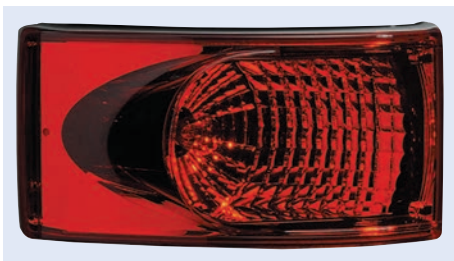
| suitable for           | Order no.           | Comparative no.       |
|------------------------|---------------------|-----------------------|
| <b>Volvo</b> B7R, 8700 | <b>0005 200 171</b> | Hella 2SA 005 200-171 |



### Rear light

|                   |                           |
|-------------------|---------------------------|
| Version           | with brake and tail lamp  |
| Colour            | red                       |
| Installation side | left / right              |
| Bulb type         | P21/5W                    |
| Width             | 264 mm                    |
| Height            | 133 mm                    |
| Type              | flush-mounted, horizontal |

| suitable for                             | Order no.           | Comparative no.       |
|------------------------------------------|---------------------|-----------------------|
| <b>Volvo</b> B7R, B10L, B12B, 7500, 8500 | <b>0005 603 137</b> | Hella 2SB 005 603-137 |



### Rear light

|                   |                           |
|-------------------|---------------------------|
| Colour            | red                       |
| Installation side | left/right                |
| Bulb type         | R5W                       |
| Voltage           | 12/24 V                   |
| Width             | 192 mm                    |
| Height            | 133 mm                    |
| Type              | flush-mounted, horizontal |

| suitable for                                                                                | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Cityliner (N 116), Skyliner (N 122/3), Spaceliner (N 117), Starliner (N 516) | <b>0008 805 001</b> | Hella 2SA 008 805-001 |
| <b>Volvo</b> B12B, 9700                                                                     |                     |                       |



### Tail/brake light

|                   |               |
|-------------------|---------------|
| Colour            | red           |
| Installation side | left / right  |
| Bulb type         | P21W          |
| Voltage           | 24 V          |
| Type              | flush-mounted |

**Scope of supply**  
with bulb holder

| suitable for                                                                                  | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 44XX), Cityliner (N 116), Skyliner (N 122/3), Starliner (N 516) | <b>0005 603 037</b> | Hella 2DA 005 603-031 |
| <b>Volvo</b> B12B, 9700, 9900                                                                 |                     |                       |

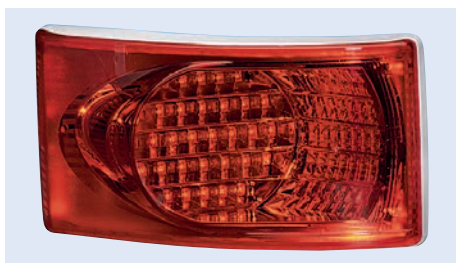


### Rear light

|                   |                           |
|-------------------|---------------------------|
| Colour            | red                       |
| Installation side | left/right                |
| Bulb type         | R5W                       |
| Voltage           | 12/24 V                   |
| Width             | 264 mm                    |
| Height            | 133 mm                    |
| Type              | flush-mounted, horizontal |

**Scope of supply**  
with bulb holder

| suitable for                                                              | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 44XX), Cityliner (N 116), Starliner (N 516) | <b>0005 603 021</b> | Hella 2SA 005 603-021 |
| <b>Volvo</b> B12B, 9700, 9900                                             |                     |                       |



### LED rear light Bus, universal

|              |                           |
|--------------|---------------------------|
| Version      | with brake and tail light |
| Voltage      | 24 V                      |
| Power        | 3 W                       |
| Width        | 192 mm                    |
| Height       | 133 mm                    |
| Cable length | 500 mm                    |

#### Order no.

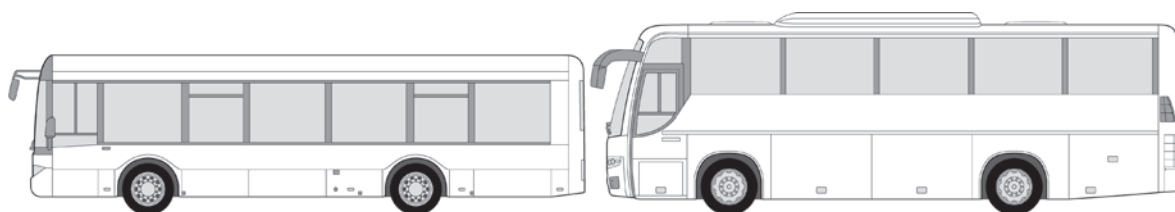
0008 982 001

#### Comparative no.

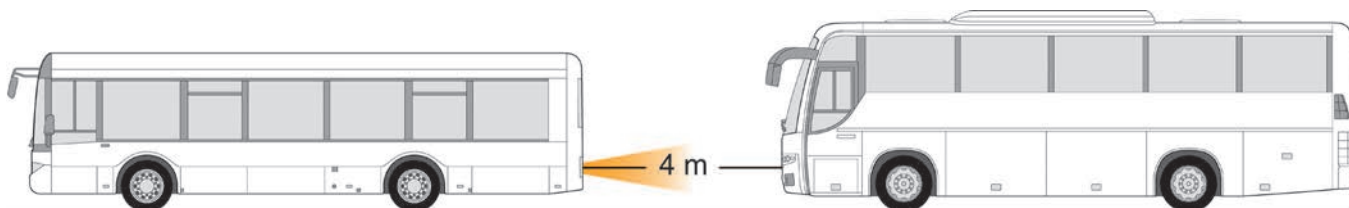
Hella 2SB 008 982-001

5

Electrics and lighting



Rear lights with bulbs at 90 km/h



Rear lights with LEDs at 90 km/h

### The advantages of LEDs on a vehicle:

- Save on costs through the very long service life
- 60 % lower energy consumption for the same illumination power
- Constant natural light
- Wear-free and no maintenance and thus lower downtime and installation time
- Added safety through faster switch-on speed (braking distance)



### Brake light

|                       |               |
|-----------------------|---------------|
| Colour                | red           |
| Installation location | top           |
| Installation side     | left/right    |
| Bulb type             | P21W          |
| Width                 | 110 mm        |
| Height                | 94 mm         |
| Type                  | flush-mounted |

| suitable for                                      | Order no.           | Comparative no. |
|---------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arès, Arway, Crossway LE, Evadys H | <b>2590 403 076</b> | Vignal 197070   |



### Accessories

| Description | Order no.           | Comparative no. |
|-------------|---------------------|-----------------|
| Lamp holder | <b>1325 034 564</b> | Vignal 001606   |



### Brake light

|                   |                          |
|-------------------|--------------------------|
| Version           | with brake and tail lamp |
| Colour            | red                      |
| Installation side | left/right               |
| Bulb type         | P21/5W                   |
| Width             | 252 mm                   |
| Height            | 117 mm                   |
| Depth             | 105 mm                   |
| Type              | flush-mounted            |

| suitable for                           | Order no.           |
|----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580) | <b>1325 040 697</b> |



### Brake light

|                   |                  |
|-------------------|------------------|
| Colour            | red              |
| Installation side | left/right       |
| Bulb type         | P21W             |
| Voltage           | 12/24 V          |
| Width             | 117 mm           |
| Height            | 139 mm           |
| Depth             | 63 mm            |
| Type              | flush / mounting |

| suitable for                                                                      | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>Tourismo I (O 350)<br><b>Volvo</b> B7L | <b>0003 236 031</b> | Hella 2DA 003 236-031 |

### Accessories

| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Lens        | <b>0119 544 031</b> | Hella 9EL 119 544-031 |

**Brake light**

can be used as tail light (R5W) or brake light (P21W)

|                   |                 |
|-------------------|-----------------|
| Colour            | red             |
| Installation side | left/right      |
| Bulb type         | P21W or R5W     |
| Voltage           | 12/24 V         |
| Depth             | 87,5 mm         |
| Ø                 | 55 mm           |
| Test mark         | E1 1048/E1 1049 |
| Type              | flush-mounted   |

| suitable for                                                                    | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 45XX),<br>Tourliner (N 2216), Trendliner (N 3516) | <b>0008 221 021</b> | Hella 2XA 008 221-021 |

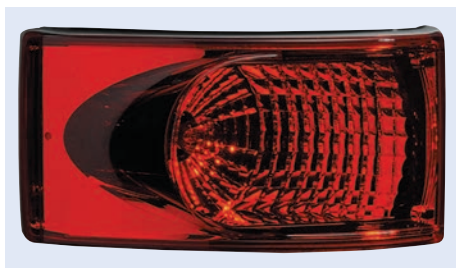
**5**

Electrics and lighting

**LED brake light**

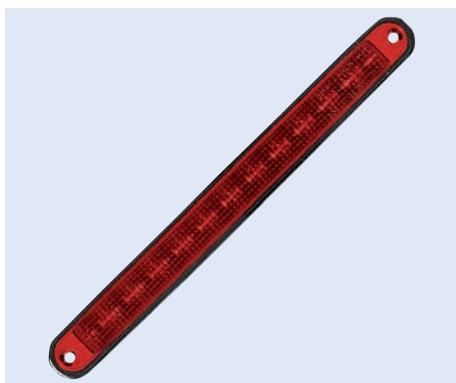
|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Voltage           | 12/24 V    |
| Depth             | 38 mm      |
| Cable length      | 200 mm     |
| Ø                 | 95 mm      |

| suitable for              | Order no.           |
|---------------------------|---------------------|
| <b>Solaris</b> Urbino III | <b>9108 370 104</b> |

**Brake light**

|                       |               |
|-----------------------|---------------|
| Colour                | red           |
| Installation location | rear          |
| Installation side     | left/right    |
| Bulb type             | P21W          |
| Voltage               | 12/24 V       |
| Width                 | 192 mm        |
| Height                | 133 mm        |
| Type                  | flush-mounted |

| suitable for            | Order no.           | Comparative no.       |
|-------------------------|---------------------|-----------------------|
| <b>Volvo</b> B12B, 9700 | <b>0008 805 011</b> | Hella 2DA 008 805-011 |



### LED additional stop light

|             |                                |
|-------------|--------------------------------|
| Version     | with 12 LEDs and 2500 mm cable |
| Lens colour | red                            |
| Voltage     | 24 V                           |
| Width       | 265 mm                         |
| Height      | 33 mm                          |
| Depth       | 28 mm                          |
| Type        | flush-mounted                  |

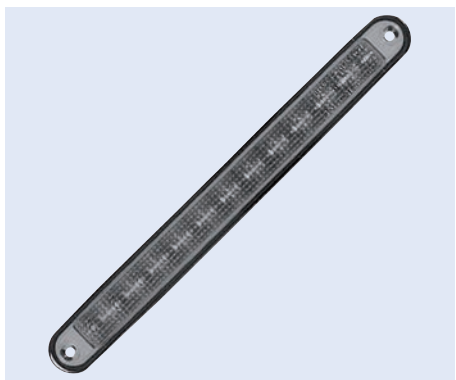
| suitable for                                                                             | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A21),<br>Lion's Coach (R08)<br><b>Neoplan</b> Tourliner (N 2216) | <b>0959 071 787</b> | Hella 2DA 959 071-787 |



### LED additional stop light

|             |                                                 |
|-------------|-------------------------------------------------|
| Version     | with light-emitting diodes and connection cable |
| Lens colour | red                                             |
| Voltage     | 24 V                                            |
| Width       | 258,5 mm                                        |
| Height      | 26,2 mm                                         |
| Depth       | 28 mm                                           |
| Type        | flush-mounting                                  |

| suitable for                                                                                                        | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Tourliner (N 2216),<br>Trendliner (N 3516)<br><b>Volvo</b> B7R, B9R, B12B, B13R,<br>7500, 8500, 8700 | <b>0959 071 737</b> | Hella 2DA 959 071-737 |



### LED additional stop light

|             |                                |
|-------------|--------------------------------|
| Version     | with 12 LEDs and 2500 mm cable |
| Lens colour | transparent                    |
| Voltage     | 24 V                           |
| Width       | 258,5 mm                       |
| Height      | 26,2 mm                        |
| Depth       | 28 mm                          |
| Type        | flush-mounting                 |

| suitable for                        | Order no.           | Comparative no.       |
|-------------------------------------|---------------------|-----------------------|
| <b>Volvo</b> B12B, B13R, 9700, 9900 | <b>0959 071 237</b> | Hella 2DA 959 071-237 |



**Reversing light**

housing of rubber

|                   |               |
|-------------------|---------------|
| Colour            | transparent   |
| Installation side | left/right    |
| Bulb type         | P21W          |
| Voltage           | 24 V          |
| Type              | flush-mounted |

| suitable for                                                 | Order no.           | Comparative no.       |
|--------------------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530),<br>Tourino (O 510) | <b>0003 236 311</b> | Hella 2ZR 003 236-311 |

**Accessories**

| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Lens        | <b>0119 544 111</b> | Hella 9EL 119 544-111 |

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Electrics and lighting

**Reversing light**

|           |                               |
|-----------|-------------------------------|
| Colour    | clear                         |
| Bulb type | P21W                          |
| Voltage   | 12/24 V                       |
| Width     | 117 mm                        |
| Height    | 139 mm                        |
| Depth     | 63 mm                         |
| Type      | surface-mounted/flush-mounted |

| suitable for                                               | Order no.           | Comparative no.     |
|------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407,<br>Tourismo I (O 350) | <b>0003 236 051</b> | Proplast 40 130 003 |

**Accessories**

| Description | Order no.           | Comparative no.     |
|-------------|---------------------|---------------------|
| Lens        | <b>8840 202 292</b> | Proplast 40 130 103 |

**Reversing light**

|                   |            |
|-------------------|------------|
| Colour            | clear      |
| Installation side | left/right |
| Width             | 250 mm     |
| Height            | 116 mm     |
| Depth             | 107 mm     |

| suitable for                           | Order no.           |
|----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580) | <b>9468 208 056</b> |



### Reversing light

|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Bulb type         | P21W       |
| Voltage           | 24 V       |
| Depth             | 87,5 mm    |
| Ø                 | 55 mm      |

#### suitable for

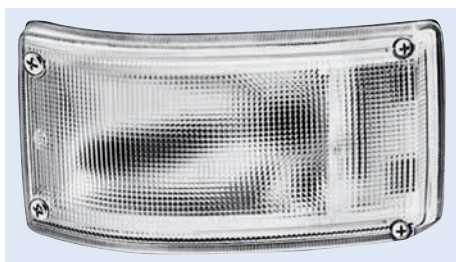
**MAN** Lion's City (A20/A21/A47)  
**Neoplan** Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)  
**Volvo** B12B, 9700

#### Order no.

**0008 221 051**

#### Comparative no.

Hella 2ZR 008 221-051



### Reversing light

|                   |                  |
|-------------------|------------------|
| Version           | with bulb holder |
| Installation side | left / right     |
| Bulb type         | P21W             |
| Voltage           | 12/24 V          |
| Type              | flush-mounted    |

#### suitable for

**Neoplan** Centroliner (N 44XX/45XX), Cityliner (N 116), Euroliner (N 3316), Transliner (N 314/316)  
**Volvo** B7R, B10L, B12B, 7500, 8500

#### Order no.

**0005 603 061**

#### Comparative no.

Hella 2ZR 005 603-061



### LED reversing light

|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Voltage           | 12/24 V    |
| Depth             | 32 mm      |
| Cable length      | 200 mm     |
| Ø                 | 95 mm      |

#### suitable for

**Solaris** Urbino III

#### Order no.

**9108 370 404**



### Reversing light

|                   |            |
|-------------------|------------|
| Installation side | left/right |
|-------------------|------------|

#### suitable for

**Solaris** Urbino III

#### Order no.

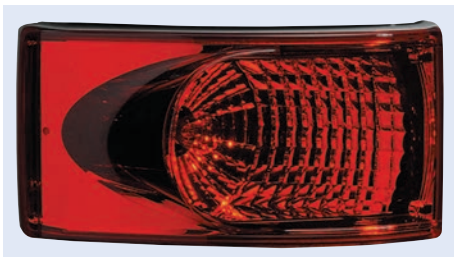
**7565 042 262**



### Reversing light

|                   |               |
|-------------------|---------------|
| Colour            | transparent   |
| Installation side | left/right    |
| Bulb type         | P21W          |
| Voltage           | 24 V          |
| Width             | 192 mm        |
| Height            | 133 mm        |
| Type              | flush-mounted |

| suitable for                                                                                                     | Order no.           | Comparative no.       |
|------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Cityliner (N 1116),<br>Skyliner (N 1122), Starliner (N 516)<br><b>Volvo</b> B9R, B12B, 9700, 9900 | <b>0008 805 041</b> | Hella 2ZR 008 805-041 |



### Rear fog lamp

|                   |               |
|-------------------|---------------|
| Colour            | red           |
| Installation side | left/right    |
| Bulb type         | P21W          |
| Voltage           | 12/24 V       |
| Width             | 192 mm        |
| Height            | 133 mm        |
| Type              | flush-mounted |

| suitable for                         | Order no.           | Comparative no.       |
|--------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A21/A23/A47) | <b>0008 805 031</b> | Hella 2NE 008 805-031 |



### Rear fog lamp

|                       |                               |
|-----------------------|-------------------------------|
| Version               | with bulb holder              |
| Colour                | red                           |
| Installation location | rear                          |
| Bulb type             | P21W                          |
| Voltage               | 12/24 V                       |
| Width                 | 117 mm                        |
| Height                | 139 mm                        |
| Depth                 | 63 mm                         |
| Form                  | rectangular                   |
| Type                  | surface-mounted/flush-mounted |

| suitable for                                                        | Order no.           | Comparative no.     |
|---------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>O 407, Turismo I (O 350) | <b>9170 604 544</b> | Proplast 40 130 002 |



### Rear fog lamp

|                   |               |
|-------------------|---------------|
| Colour            | red           |
| Installation side | left/right    |
| Bulb type         | P21W          |
| Voltage           | 24 V          |
| Width             | 112 mm        |
| Height            | 134 mm        |
| Depth             | 63 mm         |
| Test mark         | E1 18411      |
| Type              | flush-mounted |

| suitable for                         | Order no.           | Comparative no.       |
|--------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Tourino (O 510) | <b>0003 236 301</b> | Hella 2NE 003 236-301 |

### Accessories

| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Lens        | <b>0119 544 001</b> | Hella 9EL 119 544-001 |



### Rear fog lamp

|           |               |
|-----------|---------------|
| Colour    | red           |
| Bulb type | P21W          |
| Voltage   | 24 V          |
| Width     | 172 mm        |
| Height    | 160 mm        |
| Depth     | 200 mm        |
| Type      | flush-mounted |

| suitable for                           | Installation side | Order no.           |
|----------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580) | left              | <b>1325 008 256</b> |
| <b>Mercedes-Benz</b> Travego I (O 580) | right             | <b>1325 008 356</b> |



### Rear fog lamp

|                   |               |
|-------------------|---------------|
| Colour            | red           |
| Installation side | left/right    |
| Bulb type         | P21W          |
| Voltage           | 12/24 V       |
| Depth             | 87,5 mm       |
| Ø                 | 55 mm         |
| Type              | flush-mounted |

**Scope of supply**  
without bulb

| suitable for                                                                                                                | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Volvo</b> B12B, 9700 | <b>0008 221 031</b> | Hella 2NE 008 221-031 |



### LED rear fog lamp

|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Voltage           | 12/24 V    |
| Depth             | 38 mm      |
| Cable length      | 200 mm     |
| Ø                 | 95 mm      |

| suitable for       | Order no.    |
|--------------------|--------------|
| Solaris Urbino III | 9108 370 304 |



### Rear fog lamp

|                   |                                |
|-------------------|--------------------------------|
| Colour            | red                            |
| Installation side | left/right                     |
| Voltage           | 12/24 V                        |
| Width             | 98 mm                          |
| Height            | 78 mm                          |
| Depth             | 65 mm                          |
| Type              | surface mounted                |
| Fastening         | bracket with M8 retaining bolt |

| suitable for          | Order no.    | Comparative no.       |
|-----------------------|--------------|-----------------------|
| Volvo B7R, B12B, 8700 | 0003 030 151 | Hella 2NE 003 030-151 |



### Rear fog lamp

|                   |                  |
|-------------------|------------------|
| Version           | with bulb holder |
| Colour            | red              |
| Installation side | left/right       |
| Bulb type         | P21W             |
| Voltage           | 24 V             |
| Width             | 264 mm           |
| Height            | 133 mm           |
| Type              | flush-mounted    |

| suitable for                                                                           | Order no.    | Comparative no.       |
|----------------------------------------------------------------------------------------|--------------|-----------------------|
| Neoplan Centroliner (N 44XX), Cityliner (N 116), Skyliner (N 122/3), Starliner (N 516) | 0005 603 071 | Hella 2NE 005 603-071 |
| Volvo B7R, B10L, B12B, 7500, 8500, 9700, 9900                                          |              |                       |





### Indicator light

|                       |               |
|-----------------------|---------------|
| Installation location | rear, top     |
| Installation side     | left/right    |
| Bulb type             | P21W          |
| Voltage               | 24 V          |
| Width                 | 110 mm        |
| Height                | 94 mm         |
| Type                  | flush-mounted |

| suitable for                                      | Order no.           | Comparative no. |
|---------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arès, Arway, Crossway LE, Evadys H | <b>2590 403 075</b> | Vignal 197080   |



### Indicator light

|                       |            |
|-----------------------|------------|
| Installation location | rear, top  |
| Installation side     | left/right |
| Voltage               | 24 V       |

| suitable for                                                                                | Order no.           |
|---------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Tourino (O 510), Turismo II, Travego I (O 580) | <b>9468 260 443</b> |
| <b>Setra</b> S 411 HD, S 416/417 HDH, S 431 DT, S 416/417 GT-HD, S 415 NF, S 417/419 UL     |                     |



### Indicator light

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Version           | black plastic housing, 4 attachment screws BZ 4,2 |
| Installation side | left/right                                        |
| Bulb type         | P21W                                              |
| Width             | 117 mm                                            |
| Height            | 139 mm                                            |
| Depth             | 23/63 mm                                          |
| Type              | surface-mounted/flush-mounted                     |

| suitable for                                | Order no.           | Comparative no.       |
|---------------------------------------------|---------------------|-----------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>0005 200 151</b> | Hella 2BA 005 200-151 |

(Illustration similar)

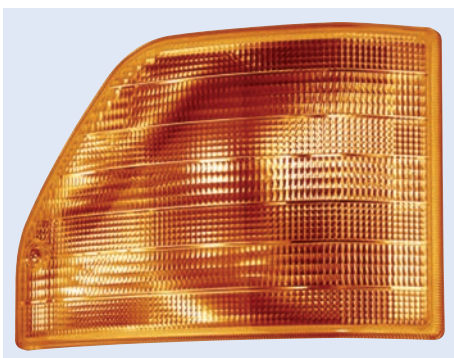




### Indicator light

|                       |               |
|-----------------------|---------------|
| Lens colour           | transparent   |
| Colour                | yellow        |
| Installation location | rear          |
| Installation side     | left/right    |
| Bulb type             | P21W          |
| Voltage               | 24 V          |
| Width                 | 192 mm        |
| Height                | 133 mm        |
| Type                  | flush-mounted |

| suitable for                         | Order no.           | Comparative no.       |
|--------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A20/A21/A47) | <b>0008 805 127</b> | Hella 2BA 008 805-127 |
| <b>Neoplan</b> Skyliner (N 1122)     |                     |                       |



### Indicator light

|                       |        |
|-----------------------|--------|
| Installation location | rear   |
| Bulb type             | P21W   |
| Voltage               | 24 V   |
| Cable length          | 200 mm |

| suitable for                          | Installation side | Order no.           |
|---------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530) | left              | <b>9468 206 021</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530) | right             | <b>9468 206 121</b> |



### Indicator light

|                       |                                    |
|-----------------------|------------------------------------|
| Version               | with indicator and clearance light |
| Colour                | red/yellow                         |
| Installation location | rear, top                          |
| Installation side     | left/right                         |
| Bulb type             | P21W, R10W                         |
| Voltage               | 24 V                               |
| Type                  | flush-mounted                      |

| suitable for                               | Order no.           | Comparative no.       |
|--------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 405, O 405 N, O 407 | <b>0003 236 541</b> | Hella 2BA 003 236-541 |
| <b>Neoplan</b> Centroliner (N 44XX)        |                     |                       |
| <b>Volvo</b> B7R, 8700                     |                     |                       |

### Accessories

| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Lens        | <b>0139 898 005</b> | Hella 9EL 119 544-212 |



### Indicator light

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Version               | black plastic housing, 2 M6 attachment screws |
| Installation location | rear                                          |
| Installation side     | left/right                                    |
| Bulb type             | P21W                                          |
| Voltage               | 12/24 V                                       |
| Width                 | 117 mm                                        |
| Height                | 139 mm                                        |
| Test mark             | E1 32764                                      |
| Type                  | surface-mounting/flush-mounting               |

| suitable for               | Order no.           | Comparative no.       |
|----------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 407 | <b>0003 236 027</b> | Hella 2BA 003 236-021 |
| <b>Volvo</b> B7L           |                     |                       |



### Indicator light

|                       |            |
|-----------------------|------------|
| Lens colour           | white      |
| Installation location | rear       |
| Installation side     | left/right |
| Bulb type             | PY21W      |
| Voltage               | 24 V       |
| Width                 | 172 mm     |
| Height                | 117 mm     |
| Depth                 | 200 mm     |
| Cable length          | 200 mm     |

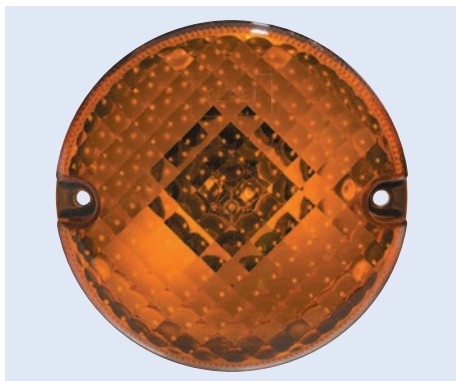
| suitable for                           | Order no.           |
|----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580) | <b>1325 000 420</b> |



### LED indicator light

|                       |            |
|-----------------------|------------|
| Installation location | rear       |
| Installation side     | left/right |
| Voltage               | 12/24 V    |
| Height                | 38 mm      |
| Cable length          | 200 mm     |
| Ø                     | 95 mm      |

| suitable for              | Order no.           |
|---------------------------|---------------------|
| <b>Solaris</b> Urbino III | <b>9108 370 204</b> |



### Indicator light

Installation location rear  
Installation side left/right

| suitable for              | Order no.    |
|---------------------------|--------------|
| <b>Solaris</b> Urbino III | 7565 042 261 |



### Indicator light

Version with yellow flashing light  
Lens colour transparent  
Installation side left/right  
Bulb type PY21W  
Voltage 12/24 V  
Width 192 mm  
Height 133 mm  
Type flush-mounted

| suitable for                 | Order no.    | Comparative no.       |
|------------------------------|--------------|-----------------------|
| <b>Volvo</b> B9R, B12B, 9700 | 0008 805 051 | Hella 2BA 008 805-051 |



### Halogen direction indicator lamp

Installation location rear  
Installation side left/right  
Bulb type PY21W  
Voltage 12/24 V  
Depth 87,5 mm  
Ø 55 mm  
Type flush-mounted

**Scope of supply**  
without bulb

| suitable for                                                                                                                         | Order no.    | Comparative no.       |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Volvo</b> B9L, B12B, B12R, B13R, 7700, 9700, 9900 | 0008 221 041 | Hella 2BA 008 221-041 |



### Indicator light

|                       |                  |
|-----------------------|------------------|
| Version               | with bulb holder |
| Lens colour           | yellow           |
| Installation location | rear             |
| Installation side     | left/right       |
| Bulb type             | P21W             |
| Voltage               | 24 V             |
| Width                 | 264 mm           |
| Depth                 | 133 mm           |
| Type                  | flush-mounted    |

| suitable for                      | Order no.    | Comparative no.       |
|-----------------------------------|--------------|-----------------------|
| Volvo B7R, B10L, B12B, 7500, 8500 | 0005 603 011 | Hella 2BA 005 603-011 |



### Position light

|                       |           |
|-----------------------|-----------|
| Lens colour           | red       |
| Installation location | rear, top |
| Bulb type             | W5W       |
| Voltage               | 24 V      |
| Width                 | 140 mm    |
| Height                | 65 mm     |
| Depth                 | 30,5 mm   |

| suitable for                                     | Order no.    | Comparative no. |
|--------------------------------------------------|--------------|-----------------|
| Heuliez GX                                       | 3900 196 060 | Vignal 195060   |
| Irisbus Arway, Citelis, Citelis CNG, Crossway LE |              |                 |



### Position light

|             |                 |
|-------------|-----------------|
| Lens colour | red             |
| Width       | 136 mm          |
| Height      | 40 mm           |
| Depth       | 45 mm           |
| Type        | surface mounted |

| suitable for        | Order no.    |
|---------------------|--------------|
| MAN NL (A10)        | 9501 250 012 |
| Mercedes-Benz O 407 |              |



### Position light

|                       |                 |
|-----------------------|-----------------|
| Installation location | rear            |
| Installation side     | left/right      |
| Lens colour           | red             |
| Bulb type             | C5W             |
| Voltage               | 24 V            |
| Width                 | 108 mm          |
| Height                | 48 mm           |
| Depth                 | 33 mm           |
| Type                  | surface mounted |

| suitable for        | Order no.    |
|---------------------|--------------|
| Mercedes-Benz O 408 | 9643 731 170 |



### Position/tail light

|                   |                  |
|-------------------|------------------|
| Version           | with rubber base |
| Lens colour       | red              |
| Installation side | left/right       |
| Bulb type         | R10W             |
| Voltage           | 24 V             |
| Width             | 53,5 mm          |
| Height            | 48 mm            |
| Depth             | 68,2 mm          |

for surface mounting on the vehicle roof, a 0° to 90° slope of the roof can be compensated for

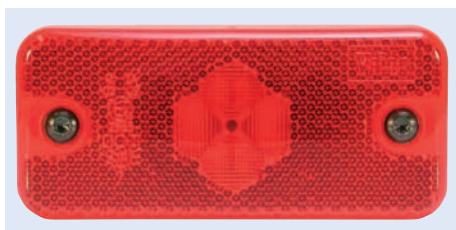
| suitable for                                                                           | Order no.           | Comparative no.       |
|----------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Euroliner (N 312/313/316/318),<br>Starliner (N 516)<br><b>Volvo</b> B7L | <b>0006 679 027</b> | Hella 2SA 006 679-027 |



### LED position light

|                   |                               |
|-------------------|-------------------------------|
| Version           | with tail light and reflector |
| Lens colour       | red                           |
| Installation side | left/right                    |
| Voltage           | 24 V                          |
| Width             | 110,5 mm                      |
| Height            | 50,5 mm                       |
| Depth             | 24 mm                         |
| Cable length      | 5000 mm                       |
| Test mark         | E17 9800                      |
| Type              | surface mounted               |

| suitable for     | Order no.           |
|------------------|---------------------|
| <b>Volvo</b> B9R | <b>8000 006 432</b> |



### LED position light

|                       |                                    |
|-----------------------|------------------------------------|
| Version               | with reflector and connection plug |
| Lens colour           | red                                |
| Installation location | rear                               |
| Installation side     | left/right                         |
| Voltage               | 24 V                               |
| Width                 | 110 mm                             |
| Height                | 50 mm                              |
| Depth                 | 18 mm                              |
| Type                  | flush mounted                      |

| suitable for                 | Order no.           | Comparative no. |
|------------------------------|---------------------|-----------------|
| <b>Volvo</b> B9R, B12B, B13R | <b>3900 198 640</b> | Vignal 198640   |





### Numberplate lamp

|                   |                     |
|-------------------|---------------------|
| Version           | with bulb holder    |
| Lens colour       | transparent         |
| Housing colour    | black               |
| Installation side | left/right          |
| Bulb type         | P21W                |
| Voltage           | 24 V                |
| Width             | 102 mm              |
| Height            | 57 mm               |
| Depth             | 55 mm               |
| Test mark         | E1 22819            |
| Type              | Mounting/PG fitting |

| suitable for                                | Order no.           | Comparative no.       |
|---------------------------------------------|---------------------|-----------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>0003 389 081</b> | Hella 2KA 003 389-081 |

### Accessories

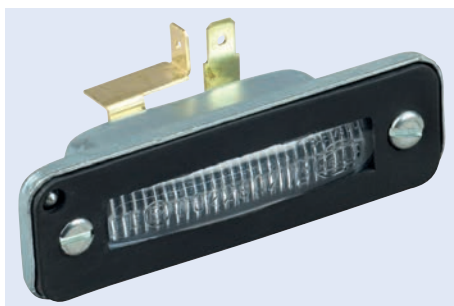
| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Housing     | <b>0121 587 031</b> | Hella 9BG 121 587-031 |



### Numberplate lamp

|                   |                 |
|-------------------|-----------------|
| Lens colour       | transparent     |
| Housing colour    | black           |
| Installation side | left/right      |
| Bulb type         | C5W             |
| Voltage           | 12/24 V         |
| Width             | 89 mm           |
| Height            | 23 mm           |
| Depth             | 40 mm           |
| Type              | surface mounted |

| suitable for                           | Order no.           | Comparative no.       |
|----------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) | <b>0006 896 001</b> | Hella 2KA 006 896-001 |



### Numberplate lamp

|                   |                  |
|-------------------|------------------|
| Version           | with bulb holder |
| Installation side | left/right       |
| Bulb type         | C5W              |
| Voltage           | 24 V             |
| Type              | flush-mounted    |

| suitable for                                   | Order no.           | Comparative no.       |
|------------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 408, Tourismo I (O 350) | <b>0001 388 051</b> | Hella 2KA 001 388 051 |



### LED numberplate lamp

for identification with the dimensions 520 x 120 mm

|              |                          |
|--------------|--------------------------|
| Version      | with Tyco-Superseal plug |
| Voltage      | 24 V                     |
| Width        | 75 mm                    |
| Height       | 33 mm                    |
| Depth        | 29 mm                    |
| Cable length | 300 mm                   |

#### suitable for

#### Order no.

**Mercedes-Benz** Citaro II/C2 (O 530)

**3170 180 252**

**Setra** S 415 HD, S 431 DT, S 416/417 GT-HD, S 419 UL



### Numberplate lamp

|                   |                  |
|-------------------|------------------|
| Version           | with bulb holder |
| Colour            | clear            |
| Installation side | left/right       |
| Bulb type         | C5W              |
| Voltage           | 24 V             |
| Width             | 82,5 mm          |
| Height            | 32,5 mm          |
| Depth             | 39 mm            |
| Type              | surface-mounting |

#### suitable for

#### Order no.

#### Comparative no.

**Neoplan** Centroliner (N 44XX/45XX), Cityliner (N 116), Euroliner (N 3316), Starliner (N 516)

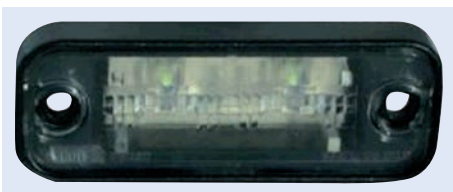
**Setra** S 415 NF

**Solaris** Urbino III

**Volvo** B7R, B9R, B12B, 8700

**0005 049 011**

Hella 2KA 005 049-011



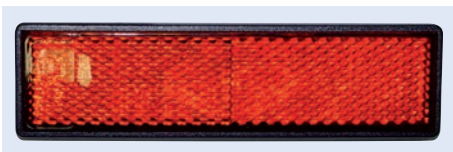
### LED numberplate lamp

#### suitable for

#### Order no.

**Volvo** B12B, B13R, 9700, 9900

**1340 001 340**



### Rectangular reflector

|         |                         |
|---------|-------------------------|
| Version | with self-adhesive film |
| Colour  | red                     |
| Width   | 122 mm                  |
| Height  | 32,5 mm                 |
| Depth   | 7 mm                    |

#### suitable for

#### Order no.

#### Comparative no.

**MAN** EL (A12), NG (A11), NL (A10/A15)

**8840 202 074**

Proplast 26 112 142



### Rectangular reflector

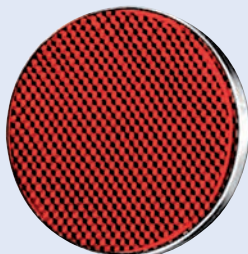
|         |                         |
|---------|-------------------------|
| Version | with self-adhesive film |
| Colour  | red                     |
| Length  | 94 mm                   |
| Width   | 44 mm                   |

#### suitable for

**Mercedes-Benz** Tourismo I (O 350)

#### Order no.

**9500 010 600**



### Round reflector

|                       |                             |
|-----------------------|-----------------------------|
| Version               | with frame and bottom plate |
| Colour                | red                         |
| Installation location | rear                        |
| Fastening             | threaded bolt M5 x 15       |

#### suitable for

**Solaris** Urbino III

#### Order no.

**0002 016 111**

#### Comparative no.

Hella 8RA 002 016-111

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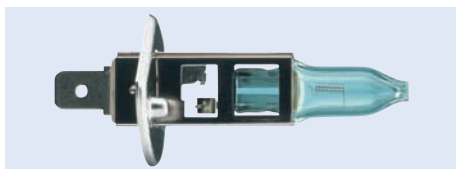
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- Highest quality standards
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**Top quality at a fair price.**





### H1 halogen headlamp bulb

Version Vision Plus: up to 50 % more light on the road, 10-20 m further visibility  
 Voltage 24 V  
 Power 70 W  
 Socket P 14,5 s

#### Application range

for high beam/low beam and fog light

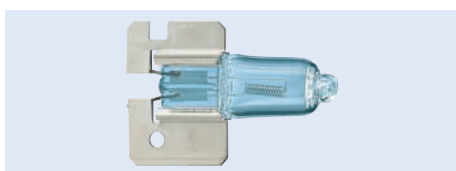
---

Order no.

---

8900 040 100

---



### H2 halogen headlamp bulb

Voltage 24 V  
 Power 70 W  
 Socket X 511

#### Application range

for low beam/high beam/fog light and worklight

---

Order no.

---

0002 857 241

---



### H3 halogen headlamp bulb

Voltage 24 V  
 Power 70 W  
 Socket PK 22 s

#### Application range

for low beam/high beam/fog light and worklight

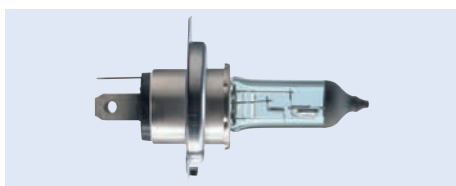
---

Order no.

---

8900 009 000

---



### H4 halogen headlamp bulb

Voltage 24 V  
 Power 75/70 W  
 Socket P 43 t

#### Application range

for low beam/high beam/fog light

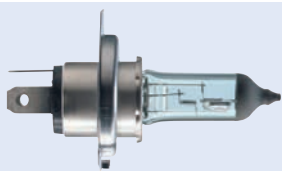
---

Order no.

---

8900 006 000

---



### H4 halogen headlamp bulb

Version Heavy Duty, Vision Plus: up to 50 % more light on the road, 10-20 m further visibility

Voltage 24 V

Power 75/70 W

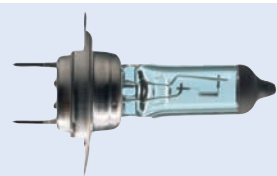
Socket P 43 t

#### Application range

for high beam/low beam and fog light

Order no.

8900 008 000



### H7 halogen headlamp bulb

Voltage 24 V

Power 70 W

Socket PX 26 d

#### Application range

for low beam/high beam/fog light and worklight

Order no.

8900 001 030



### H11 halogen headlamp bulb

Voltage 24 V

Power 70 W

Socket PGJ 19-2

#### Application range

for cornering, spot, main and fog lamp, also position and daytime running lamp

Order no.

8900 132 470



### Gas discharge lamp

Voltage 85 V

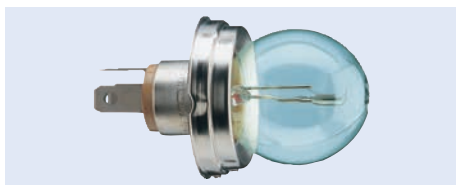
Power 35 W

#### Application range

for main headlights and spotlights

| Version   | Socket    | Order no.    |
|-----------|-----------|--------------|
| D1S-Xenon | PK 32 d-2 | 2748 541 000 |
| D1R-Xenon | PK 32 d-2 | 2740 475 033 |
| D2S Xenon | P 32 d-2  | 2740 477 433 |
| D2R Xenon | P 32 d-3  | 2740 479 833 |



**Headlamp bulb**

Voltage 24 V  
Power 55/50 W  
Socket P 45 t

**Application range**  
for main headlights

---

**Order no.**


---

8900 040 050

---

**Bulb**  
**Drop-shaped**

Voltage 24 V  
Power 21 W  
Socket BA 15 s

**Application range**  
for indicator, brake, rear fog, reversing lights

---

**Version**


---

**Order no.**


---

8900 003 000

---



---

Heavy Duty

---

8900 010 000

---

**Bulb**  
**Drop-shaped**

Voltage 24 V  
Power 21/5 W  
Socket BAY 15 d

**Application range**  
for brake/tail light

---

**Order no.**


---

8900 013 000

---

**Bulb**  
**drop-shaped**

Version heavy duty LLCP  
Voltage 24 V  
Power 21 W  
Socket BAU 15 s  
Colour yellow

**Application range**  
for indicator, brake, rear fog and reversing lamps

---

**Order no.**


---

9560 013 496

---



### Bulb spherical

Voltage 24 V  
Socket BA 15 s

**Application range**  
for tail/licence plate/position and interior light

| Power | Version    | Order no.    |
|-------|------------|--------------|
| 5 W   |            | 8900 001 000 |
| 5 W   | Heavy Duty | 8900 011 000 |
| 10 W  |            | 8900 002 000 |
| 10 W  | Heavy Duty | 8900 012 000 |
| 18 W  |            | 8900 000 915 |



### Bulb spherical

Version double pole  
Voltage 24 V  
Power 5 W  
Socket BA 15 d

**Application range**  
for tail light and number plate light

| Order no.    |
|--------------|
| 9501 007 185 |



### Bulb festoon bulb

Voltage 24 V  
Socket SV 8,5

**Application range**  
for tail/licence plate/position and interior light

| Power | Length | Ø       | Order no.    |
|-------|--------|---------|--------------|
| 5 W   | 35 mm  | 11 mm   | 8900 005 000 |
| 10 W  | 41 mm  | 11 mm   | 8900 040 060 |
| 18 W  | 41 mm  | 15,5 mm | 0002 091 241 |



### Bulb festoon bulb

Voltage 24 V  
Power 3 W  
Socket SV 6

**Application range**  
for tail, licence plate, position and interior light

| Order no.    |
|--------------|
| 0002 094 241 |



### Bulb

#### display bulb

Voltage 24 V  
Socket BA 9 s

**Application range**  
for clearance light and interior light

| Power | Version    | Order no.    |
|-------|------------|--------------|
| 2 W   |            | 8900 016 000 |
| 4 W   |            | 8900 004 000 |
| 4 W   | Heavy Duty | 8900 030 080 |



### Bulb

#### Plastic base lamp

Voltage 24 V  
Power 1,2 W  
Socket BAX 8,5 d

**Application range**  
for instrument lighting and tachograph

| Order no.    |
|--------------|
| 3610 004 068 |



### Bulb

Voltage 24 V

**Application range**  
for instrument lighting

| Power | Socket        | Order no.    |
|-------|---------------|--------------|
| 1,2 W | W 2 x 4,6 d   | 3610 002 741 |
| 3 W   | W 2,1 x 9,5 d | 3610 002 841 |
| 5 W   | W 2,1 x 9,5 d | 8900 040 130 |



### Bulb

Voltage 24 V  
Power 1 W  
Socket W 2 x 4,6 d

**Application range**  
for instrument lighting

| Order no.    |
|--------------|
| 0007 997 021 |



# PHILIPS

## Bulb

### Glass-base bulb

Voltage 24 V  
Power 2 W  
Socket W 2,1 x 9,5 d

**Application range**  
for instrument lighting

Order no.

3610 002 840



## Bulb

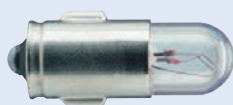
### Plastic base lamp

Voltage 24 V

### Application range

for instrument lighting and tachograph

| Power | Socket     | Colour | Fig. | Order no.    |
|-------|------------|--------|------|--------------|
| 1 W   | KW 2x4,6 d | white  | 1    | 9501 007 163 |
| 1,2 W | BAX 10 s   | grey   | 2    | 3610 009 638 |
| 1,2 W | EBS R4     | yellow | 3    | 9585 785 204 |
| 1,2 W | EBS R10    | white  | 4    | 9500 901 255 |
| 1,2 W | EBS R11    | brown  | 5    | 9501 007 166 |
| 1,2 W | EBS R12    | blue   | 6    | 9500 901 248 |



## Bulb

Voltage 24 V  
Power 3 W  
Socket BA 7 s

**Application range**  
for interior light

Order no.

3610 003 899

**Bulb****Reflector lamp, with holder**

Voltage 24 V

Power 2,4 W

Socket BA 9 d

**Application range**

for instrument lighting

**Order no.**

9501 007 122

**Bulb****Reflector lamp, with holder**

Voltage 24 V

Power 1,4 W

Socket REF 29

**Application range**

for instrument lighting

**Order no.**

9501 007 124

**Spare bulbs box****with 24 Volt H4 halogen bulbs****Scope of supply**

2 x H4 bulb 75/70 W, P 43 t

2 x display bulb 4 W, BA 9 s

2 x spherical bulb 21 W, BA 15 s

2 x spherical bulb 10 W, BA 15 s

2 x tubular bulb 5 W, SV 8.5-8

2 x spherical bulb 21/5 W, BAY 15 d

2 x flat fuses each: 10, 15, 30 amps

**Version****Order no.**

18-piece

0002 525 941

**Spare bulbs box****with 24 Volt H4 halogen bulbs****Scope of supply**

1 x H4 bulb 75/70 W, P 43 t

1 x display bulb 4 W, BA 9 s

1 x spherical bulb 21 W, BA 15 s

1 x spherical bulb 10 W, BA 15 s

1 x tubular bulb 5 W, SV 8.5-8

1 x spherical bulb 21/5 W, BAY 15 d

1 x flat fuses each: 10, 15, 30 amps

**Version****Order no.**

9-piece

8900 001 020

(Illustration similar)





### Spare bulbs box with 24 Volt H7 halogen bulbs

#### Scope of supply

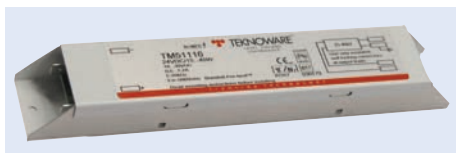
2 x H7 bulb 70 W PX 26  
2 x spherical bulb 10 W BA 15 s  
6 x spherical bulb 21 W BA 15 s  
2 x display bulb 4 W BA 9 s  
2 x tubular bulb 10 W SV 8.5-8  
2 x flat fuses each: 10, 15, 20, 30 amps

#### Version

22-piece

#### Order no.

8900 000 051



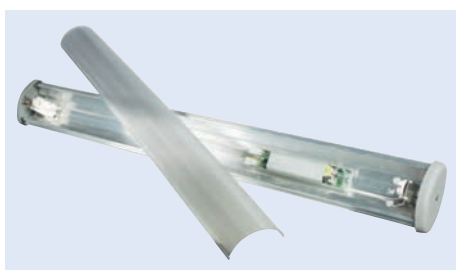
This figure corresponds to 6690 000 030

### Ballast for fluorescent lamp

For controlling fluorescent interior lighting, with fixed or stepless brightness control, the lamps are protected against excess load by intelligent electronics and emit a homogenous light intensity

Voltage 24 V  
Length 195 mm  
Width 38 mm  
Height 24 mm

| Version                          | Power    | Regulation             | Order no.    |
|----------------------------------|----------|------------------------|--------------|
| for 1 tube                       | 4-13 W   | fixed                  | 6690 000 020 |
| for 1 tube                       | 15-40 W  | fixed                  | 6690 000 030 |
| for 1 tube                       | 15-40 W  | 2-level, can be dimmed | 6690 000 050 |
| for 2 tubes                      | 2 x 8 W  | fixed                  | 6690 000 090 |
| for 2 tubes                      | 2 x 18 W | fixed                  | 6690 000 040 |
| for 2 tubes                      | 2 x 18 W | 2-level, dimmable      | 6690 000 110 |
| with reverse polarity protection | 4-13 W   | dimmable               | 6690 005 521 |
| with reverse polarity protection | 15-40 W  | dimmable               | 6690 005 522 |



### Ballast

Version with bulb holder

#### suitable for

Solaris Urbino III

#### Order no.

7560 860 100



### Starter Motor

|              |        |
|--------------|--------|
| Voltage      | 24 V   |
| Power        | 4 kW   |
| Pinion teeth | 11     |
| Flange       | 3-hole |

| suitable for        | Order no.           | Comparative no.     |
|---------------------|---------------------|---------------------|
| <b>MAN</b> NL (A21) | <b>7563 002 318</b> | Bosch 0 986 018 990 |



### Starter Motor

|              |                                 |
|--------------|---------------------------------|
| Voltage      | 24 V                            |
| Power        | 4 kW                            |
| Pinion teeth | 10                              |
| Flange       | 3-hole                          |
| Version      | clockwise direction of rotation |

| suitable for                 | Order no.           | Comparative no.     |
|------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A78) | <b>7563 002 317</b> | Bosch 0 986 020 070 |



### Starter Motor

|              |                    |
|--------------|--------------------|
| Voltage      | 24 V               |
| Power        | 6,6 kW             |
| Fastening    | 15°, left          |
| Pinion teeth | 9                  |
| Flange       | 3-hole             |
| Version      | clockwise rotation |

| suitable for                                                             | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Coach, Lion's Comfort, Lion's Star, NG (A23), NL (A21) | <b>7063 002 391</b> | Bosch 0 986 011 510 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                               |                     |                     |
| <b>Neoplan</b> Tourliner                                                 |                     |                     |
| <b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL  |                     |                     |



### Starter Motor

|              |               |
|--------------|---------------|
| Voltage      | 24 V          |
| Power        | 5,4 kW        |
| Fastening    | 15°, left     |
| Pinion teeth | 9             |
| Flange       | 3-hole        |
| Version      | without cover |

| suitable for                                                                                                                                         | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21), Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R12), EL (A12), NG (A11/A23), NL (A10/A15/A21), NÜ (A20) | <b>7063 002 380</b> | Bosch 0 986 011 570 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Intouro I (O 560), O 404, Turismo I (O 350)                                                                  |                     |                     |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)                                                                         |                     |                     |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD                                                 |                     |                     |
| <b>Temsa</b> Safari                                                                                                                                  |                     |                     |



## Starter Motor

Voltage 24 V  
Power 6,2 kW  
Fastening 85°  
Pinion teeth 11  
Flange 3-hole flange

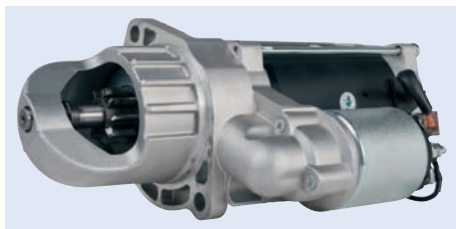
| suitable for                           | Order no.           | Comparative no.     |
|----------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580) | <b>7063 002 370</b> | Bosch 0 986 017 320 |



## Starter Motor

Voltage 24 V  
Power 6,2 kW  
Fastening 75°  
Pinion teeth 11  
Flange 3-hole flange

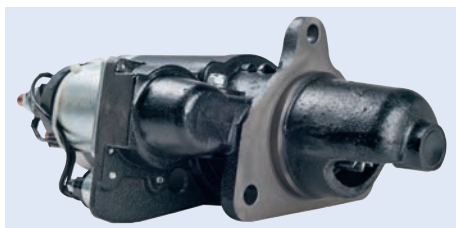
| suitable for                                                                                                                                                                                                                       | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/317 UL, S 315/319 UL-GT, SG 321 UL, S 415 HD, S 415/417 HDH | <b>7063 000 217</b> | Bosch 0 986 020 880 |



## Starter Motor

Voltage 24 V  
Power 4 kW  
Fastening 125°  
Pinion teeth 9  
Flange 3-hole  
Version with cover

| suitable for                                                                                                                            | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Cito (O 520), Conecto I (O 345), Integro II (O 550), Tourino (O 510)<br><b>Setra</b> S 415 NF | <b>7063 000 215</b> | Bosch 0 986 017 240 |



## Starter Motor

Voltage 24 V  
Power 6,2 kW  
Fastening 81°  
Pinion teeth 11  
Flange 3-hole flange

| suitable for                                                                                                                                          | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 315/317/319 GT-HD, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416 GT, 416/417 GT-HD | <b>7063 002 371</b> | Bosch 0 986 018 370 |



## Starter Motor

Voltage 24 V  
Power 6,7 kW  
Pinion teeth 11  
Flange 3-hole  
Version clockwise direction of rotation

| suitable for                | Order no.    | Comparative no.     |
|-----------------------------|--------------|---------------------|
| Scania K94/114/124/380, L94 | 7063 002 352 | Bosch 0 986 017 760 |



## Starter Motor

Voltage 24 V  
Power 6,6 kW  
Flange 3-hole  
Version clockwise direction of rotation

| suitable for          | Order no.    | Comparative no.     |
|-----------------------|--------------|---------------------|
| Volvo B12, B12B, B12R | 7063 000 224 | Bosch 0 986 017 050 |



## Starter Motor in exchange

Voltage 24 V  
Power 4 kW  
Fastening 30°, right  
Pinion teeth 11  
Flange 3-hole

| suitable for                   | Order no.    | Comparative no.     |
|--------------------------------|--------------|---------------------|
| Fast Starter<br>Van Hool AG500 | 3698 601 372 | Bosch 0 986 013 720 |



## Starter Motor in exchange

Voltage 24 V  
Power 4 kW  
Fastening 120°, right  
Flange 3-hole

| suitable for                                                               | Order no.    | Comparative no.     |
|----------------------------------------------------------------------------|--------------|---------------------|
| Heuliez GX 117, 127<br>Irisbus Arway LE, Crossway LE, Eurorider,<br>Récréo | 3698 602 017 | Bosch 0 986 020 170 |



## Starter Motor in exchange

|              |                 |
|--------------|-----------------|
| Voltage      | 24 V            |
| Power        | 6,6 kW          |
| Fastening    | 45°, left/right |
| Pinion teeth | 12              |
| Flange       | 3-hole          |

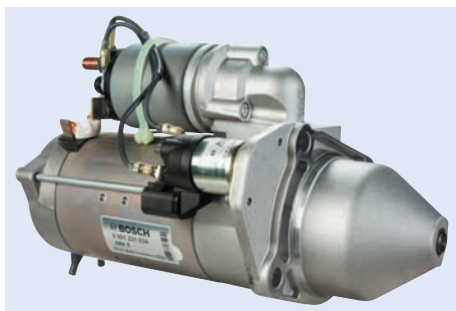
| suitable for                       | Order no.           | Comparative no.     |
|------------------------------------|---------------------|---------------------|
| <b>Heuliez</b> GX 317              | <b>3698 601 567</b> | Bosch 0 986 015 670 |
| <b>Irisbus</b> Agora, Arès, Iliade |                     |                     |



## Starter Motor in exchange

|         |        |
|---------|--------|
| Voltage | 24 V   |
| Power   | 4,5 kW |
| Flange  | 3-hole |

| suitable for                                                       | Order no.           | Comparative no.     |
|--------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Crossway, Récréo | <b>3856 022 940</b> | Bosch 0 986 022 940 |



## Starter Motor in exchange

|              |                                             |
|--------------|---------------------------------------------|
| Voltage      | 24 V                                        |
| Power        | 4 kW                                        |
| Pinion teeth | 11                                          |
| Flange       | 3-hole                                      |
| Version      | with cover, clockwise direction of rotation |

| suitable for                 | Order no.           | Comparative no.     |
|------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A37) | <b>5230 223 459</b> | Bosch 0 986 023 200 |



## Starter Motor as replacement

|              |           |
|--------------|-----------|
| Voltage      | 24 V      |
| Power        | 5,4 kW    |
| Fastening    | 15°, left |
| Pinion teeth | 9         |
| Flange       | 3-hole    |

| suitable for                                                                                             | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Coach, Lion's Comfort, Lion's Star, EL (A12), NG (A23), NL (A21/A26), NÜ (A20), SÜ, ÜL | <b>3698 601 157</b> | Bosch 0 986 011 570 |
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404                                                           |                     |                     |
| <b>Temsa</b> Safari                                                                                      |                     |                     |

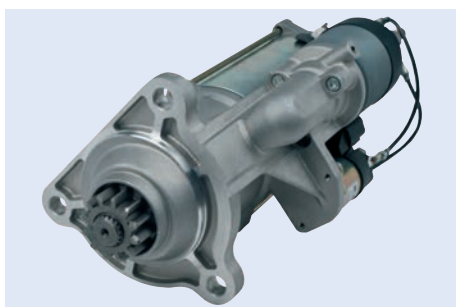




### Starter Motor

|              |             |
|--------------|-------------|
| Voltage      | 24 V        |
| Power        | 4 kW        |
| Fastening    | 125°, right |
| Pinion teeth | 9           |
| Flange       | 3-hole      |

| suitable for                                                                                                        | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Cito (O 520), Conecto I (O 345), Tourino (O 510)<br><b>Setra</b> S 415 NF | <b>3850 200 010</b> | Bosch 0 001 231 033 |



### Starter Motor in exchange

|              |           |
|--------------|-----------|
| Voltage      | 24 V      |
| Power        | 5,5 kW    |
| Pinion teeth | 12        |
| Flange       | 3-hole    |
| Version      | 40°, left |

| suitable for                                                                                 | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216) | <b>5230 223 465</b> | Bosch 0 986 022 640 |



### Starter Motor in exchange

|              |           |
|--------------|-----------|
| 1-pole       |           |
| Voltage      | 24 V      |
| Power        | 4 kW      |
| Fastening    | 45°, left |
| Pinion teeth | 9         |
| Flange       | 3-hole    |

| suitable for                          | Order no.           | Comparative no.     |
|---------------------------------------|---------------------|---------------------|
| <b>Scania</b> K94, L94, N94, OmniCity | <b>3698 601 128</b> | Bosch 0 986 011 280 |



### Starter Motor

|              |           |
|--------------|-----------|
| Voltage      | 24 V      |
| Power        | 6,7 kW    |
| Fastening    | 65°, left |
| Pinion teeth | 11        |
| Flange       | 3-hole    |

| suitable for           | Order no.           | Comparative no.     |
|------------------------|---------------------|---------------------|
| <b>Scania</b> K114/124 | <b>3600 371 007</b> | Bosch 0 001 371 007 |





## Starter Motor

|              |           |
|--------------|-----------|
| Voltage      | 24 V      |
| Power        | 5,5 kW    |
| Fastening    | 85°, left |
| Pinion teeth | 12        |
| Flange       | 3-hole    |

| suitable for               | Order no.           | Comparative no.     |
|----------------------------|---------------------|---------------------|
| <b>VDL Bova Futura FHD</b> | <b>6001 604 246</b> | Bosch 0 001 241 007 |



## Starter Motor in exchange

|              |            |
|--------------|------------|
| Voltage      | 24 V       |
| Power        | 5,4 kW     |
| Fastening    | 45°, right |
| Pinion teeth | 12         |
| Flange       | 3-hole     |

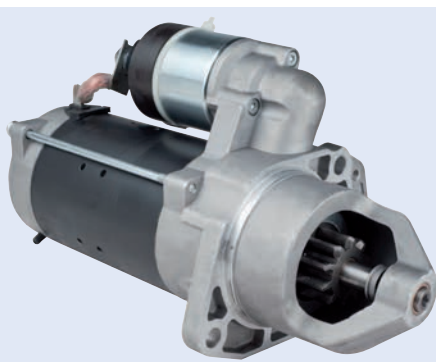
| suitable for     | Order no.           | Comparative no.     |
|------------------|---------------------|---------------------|
| <b>Volvo B7L</b> | <b>3600 066 678</b> | Bosch 0 986 015 430 |



## Starter Motor

|              |        |
|--------------|--------|
| Voltage      | 24 V   |
| Power        | 4 kW   |
| Pinion teeth | 12     |
| Flange       | 3-hole |

| suitable for          | Order no.           | Comparative no.     |
|-----------------------|---------------------|---------------------|
| <b>Volvo B7L, B7R</b> | <b>3600 198 300</b> | Bosch 0 986 019 830 |



## Starter Motor

|              |                                 |
|--------------|---------------------------------|
| Voltage      | 24 V                            |
| Power        | 4 kW                            |
| Pinion teeth | 10                              |
| Flange       | 3-hole                          |
| Version      | clockwise direction of rotation |

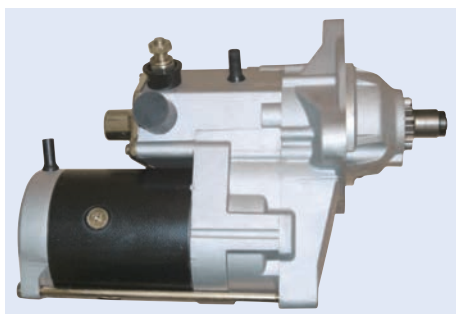
| suitable for                                            | Order no.           | Comparative no.   |
|---------------------------------------------------------|---------------------|-------------------|
| <b>Heuliez GX 117, 127</b>                              | <b>0738 030 001</b> | Prestolite 860716 |
| <b>Irisbus Arway LE, Crossway LE, Eurorider, Récréo</b> |                     |                   |



## Starter Motor

|              |                                 |
|--------------|---------------------------------|
| Voltage      | 24 V                            |
| Power        | 7,5 kW                          |
| Pinion teeth | 11                              |
| Flange       | 3-hole                          |
| Version      | clockwise direction of rotation |

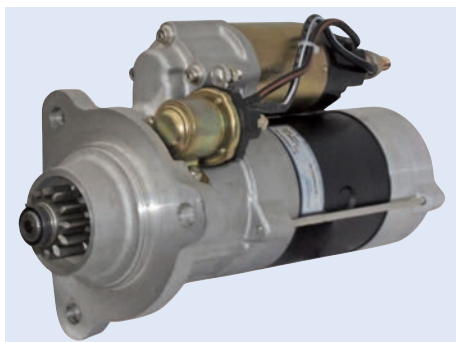
| suitable for                        | Order no.    | Comparative no.        |
|-------------------------------------|--------------|------------------------|
| Irisbus Agora, Arés, Iliade, Tracer | 6420 029 741 | Prestolite M105R3032SE |



## Starter Motor

|              |        |
|--------------|--------|
| Voltage      | 24 V   |
| Power        | 5,5 kW |
| Pinion teeth | 10     |
| Flange       | 3-hole |

| suitable for                  | Order no.    | Comparative no.     |
|-------------------------------|--------------|---------------------|
| Irisbus Arway, Domino, Evadys | 0738 152 001 | Prestolite 20540101 |



## Starter Motor

|              |                     |
|--------------|---------------------|
| Voltage      | 24 V                |
| Power        | 7,5 kW              |
| Fastening    | 275°                |
| Pinion teeth | 12                  |
| Flange       | 3-hole              |
| Version      | with reduction gear |

| suitable for                                                                                                                                                                                                                                         | Order no.    | Comparative no.        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Conecto I (O 345), Integro II (O 550),<br>Tourismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | 9461 511 501 | Prestolite M105R3031SE |



## Starter Motor

|              |                                 |
|--------------|---------------------------------|
| Voltage      | 24 V                            |
| Power        | 6 kW                            |
| Fastening    | 45°                             |
| Pinion teeth | 12                              |
| Flange       | 3-hole                          |
| Version      | clockwise direction of rotation |

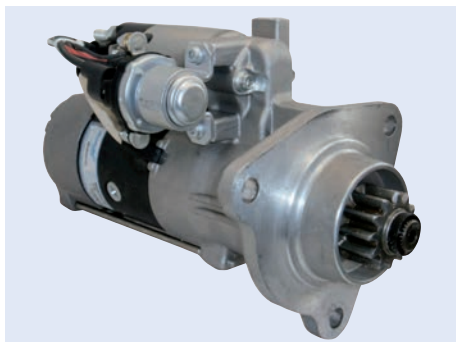
| suitable for                                                                                    | Order no.    | Comparative no.       |
|-------------------------------------------------------------------------------------------------|--------------|-----------------------|
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX),<br>Tourliner (N 2216) | 5240 903 548 | Prestolite M90R3548SE |



## Starter Motor

Voltage 24 V  
Power 5,5 kW  
Pinion teeth 11  
Flange 3-hole

| suitable for         | Order no.    | Comparative no.       |
|----------------------|--------------|-----------------------|
| Volvo B9L, B9R, B9TL | 3600 333 054 | Prestolite M90R3538SE |



## Starter Motor

Voltage 24 V  
Power 6 kW  
Fastening 67.5°  
Pinion teeth 12  
Flange 3-hole  
Version clockwise direction of rotation

| suitable for           | Order no.    | Comparative no.       |
|------------------------|--------------|-----------------------|
| Volvo B12B, B12R, B13R | 0738 258 381 | Prestolite M90R3547SE |



## Starter Motor in exchange

Voltage 24 V  
Power 4,5 kW  
Pinion teeth 10  
Flange 3-hole  
Version clockwise direction of rotation

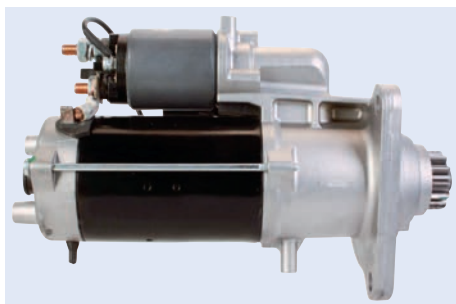
| suitable for                                                                                                                                   | Order no.    | Comparative no.       |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|
| Heuliez GX 327, 427<br>Irisbus Arès, Arway, Arway LE, Axer, Citelis, Citelis CNG, Crossway LE, Eurorider, Evadys, Récréo II<br>Iveco CityClass | 0738 258 111 | Hella 8EA 738 258-111 |



## Starter Motor

Voltage 24 V  
Power 4 kW  
Pinion teeth 9  
Flange 3-hole  
Version clockwise direction of rotation

| suitable for                         | Order no.    | Comparative no.       |
|--------------------------------------|--------------|-----------------------|
| Irisbus Arway, Domino HD/HDH, Evadys | 0737 936 001 | Hella 8EA 737 936-001 |



Lucas

## Starter Motor in exchange

Voltage 24 V  
Power 5,5 kW  
Pinion teeth 12

| suitable for                                                                                       | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A20/A21/A23), Lion's Regio (R12/R13)<br><b>Neoplan</b> Trendliner (N 3516) | <b>3561 399 501</b> | Lucas LRS02378  |



Lucas

## Starter Motor in exchange

Voltage 24 V  
Power 4 kW  
Pinion teeth 9  
Flange 3-hole

| suitable for                                                                          | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530),<br>Tourino (O 510)<br><b>Setra</b> S 415 NF | <b>1058 900 225</b> | Lucas LRT00225  |



Lucas

## Starter Motor in exchange

Voltage 24 V  
Power 5,5 kW  
Pinion teeth 12  
Flange 3-hole

| suitable for               | Order no.           | Comparative no. |
|----------------------------|---------------------|-----------------|
| <b>VDL</b> Bova Futura FHD | <b>1058 902 268</b> | Lucas LRS02268  |



## Starter Motor in exchange

Voltage 24 V  
Power 5,5 kW  
Flange 3-hole

| suitable for                             | Order no.           | Comparative no. |
|------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider, Magelys HD/Pro | <b>1902 028 303</b> | Iveco 504042667 |



## Starter Motor in exchange

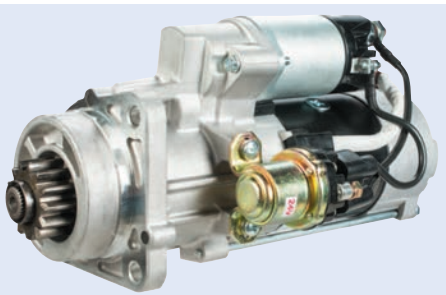
|              |                                 |
|--------------|---------------------------------|
| Voltage      | 24 V                            |
| Power        | 4 kW                            |
| Pinion teeth | 11                              |
| Flange       | 3-hole                          |
| Version      | clockwise direction of rotation |

### suitable for

**MAN** Lion's City (A37/A47/A78)

### Order no.

**1902 000 061**



## Starter Motor

|              |        |
|--------------|--------|
| Voltage      | 24 V   |
| Power        | 5 kW   |
| Pinion teeth | 13     |
| Flange       | 3-hole |

### suitable for

**Mercedes-Benz** Intouro II,  
Tourino (O 510)

### Order no.

**1325 065 041**

### Comparative no.

Mercedes-Benz 007 151 08 01

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### Alternator

Voltage 28 V  
Charging current 140 A  
Version without belt pulley

(Illustration similar)

| suitable for                                                                                                                                                                                                                                         | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass                                                                                                                                                                                                                               | <b>7063 001 450</b> | Bosch 0 986 038 290 |
| <b>MAN</b> Lion's Coach                                                                                                                                                                                                                              |                     |                     |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Integro II (O 550), O 404, O 405 N, O 407, O 408, Tourismo I/II (O 350), Travego I (O 580)                                                                                           |                     |                     |
| <b>Neoplan</b> Skyliner                                                                                                                                                                                                                              |                     |                     |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 416 GT-HD, S 415 NF, S 415/417/419 UL |                     |                     |



### Alternator in exchange

Voltage 28 V  
Charging current 110 A

| suitable for                                                | Order no.           | Comparative no.     |
|-------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Coach, Lion's Star, SÜ                    | <b>7063 000 010</b> | Bosch 0 986 046 570 |
| <b>Solaris</b> Urbino III                                   |                     |                     |
| <b>Temsa</b> Tourmalin                                      |                     |                     |
| <b>VDL</b> Citea, Bova Futura FHD, Bova Magiq, Bova Synergy |                     |                     |



### Alternator

Voltage 28 V  
Charging current 110 A  
Fastening 60°, left/right  
Version without belt pulley

| suitable for                                            | Order no.           | Comparative no.     |
|---------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Regio (R12)                           | <b>7063 000 014</b> | Bosch 0 986 046 590 |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216) |                     |                     |

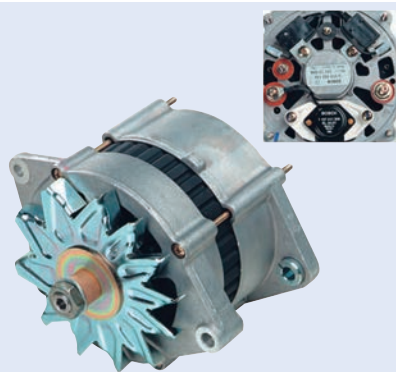




## Alternator in exchange

Voltage 28 V  
Charging current 100 A

| suitable for                                              | Order no.           | Comparative no.     |
|-----------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530),<br>Tourino (O 510) | <b>7563 002 111</b> | Bosch 0 986 042 390 |



**BOSCH**

## Alternator in exchange

Voltage 28 V  
Charging current 80 A  
Fastening 20°, right  
Version without pulley

| suitable for                       | Order no.           | Comparative no.     |
|------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Agora, Arès, Iliade | <b>3698 604 235</b> | Bosch 0 986 042 350 |

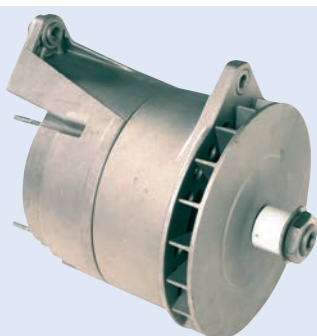


**BOSCH**

## Alternator in exchange

Voltage 28 V  
Charging current 140 A  
Fastening 60°, right  
Version without pulley

| suitable for                                                                                                                                                                                                                            | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Arway LE, Citelis CNG, Crossway LE, Eurorider, Magelys, Récréo II<br><b>MAN</b> Lion's Coach (R07/R08), Lion's Comfort, Lion's Star (R02/R03), NG (A23)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516) | <b>3600 471 600</b> | Bosch 0 986 047 160 |

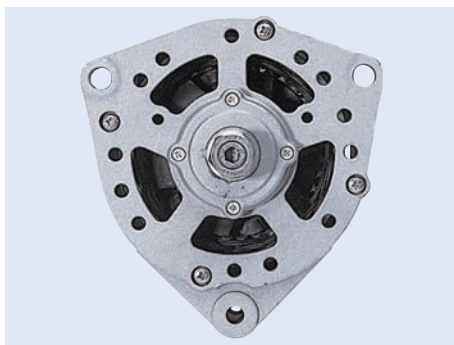


**BOSCH**

## Alternator in exchange

Voltage 28 V  
Charging current 140 A  
Fastening 60°, left

| suitable for                                                                                                                              | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Conecto I (O 345), Integro II (O 550), O 405 N,<br>O 407, O 408, Tourismo I (O 350), Travego II | <b>3698 604 164</b> | Bosch 0 986 041 640 |



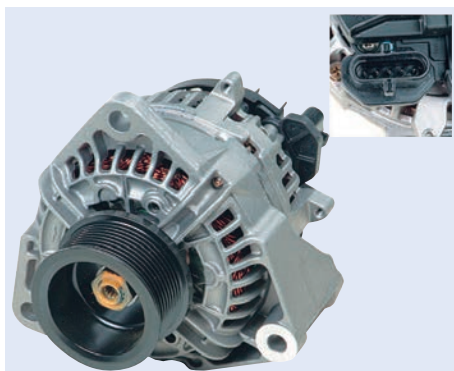
(illustration similar)



### Alternator in exchange

Voltage 28 V  
Charging current 100 A

| suitable for                      | Order no.           | Comparative no.     |
|-----------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20)      | <b>3698 604 259</b> | Bosch 0 986 042 590 |
| <b>Neoplan</b> Tourliner (N 2216) |                     |                     |
| <b>Solaris</b> Urbino III         |                     |                     |



### Alternator

Voltage 28 V  
Charging current 100 A  
Fastening 60°, left/right  
Version with pulley

| suitable for                                                           | Order no.           | Comparative no.     |
|------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520), Conecto I (O 345) | <b>3600 468 145</b> | Bosch 0 120 468 145 |



### Alternator in exchange

Voltage 28 V  
Charging current 28 A  
Flange ESA 80/10,2  
Fastening 60°, left/right  
Version without pulley

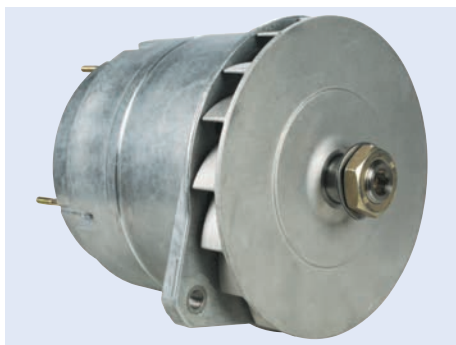
| suitable for                                                                                                     | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Integro I (O 550), Intouro I (O 560)                   | <b>3698 603 351</b> | Bosch 0 986 033 510 |
| <b>Setra</b> S 309/315 HD, S 315 HDH, S 328 DT, S 315 GT, S 319 GT-HD, S 315/319 NF, S 315/317/319 UL, SG 321 UL |                     |                     |



### Alternator in exchange

Voltage 28 V  
Charging current 140 A  
Fastening 60°, left  
Version without pulley

| suitable for                   | Order no.           | Comparative no.     |
|--------------------------------|---------------------|---------------------|
| <b>Scania</b> K94/114/124, L94 | <b>3600 044 060</b> | Bosch 0 986 044 060 |



### Alternator

Voltage 28 V  
Charging current 140 A  
Version without pulley

| suitable for                 | Order no.    | Comparative no.     |
|------------------------------|--------------|---------------------|
| Scania K94/114/124, L94, N94 | 3600 689 562 | Bosch 0 120 689 562 |



### Alternator as replacement

1-pin  
Voltage 28 V  
Charging current 65 A  
Flange DSA 67/10.5  
Version without belt pulley

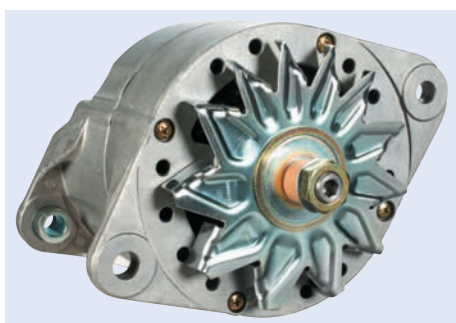
| suitable for                 | Order no.    | Comparative no.     |
|------------------------------|--------------|---------------------|
| Scania K94/114/124, OmniCity | 8000 000 677 | Bosch 0 986 039 490 |



### Alternator in exchange

Voltage 28 V  
Charging current 120 A  
Flange DSA 180/12.2  
Fastening 60°, left  
Version without pulley

| suitable for                                                                            | Order no.    | Comparative no.     |
|-----------------------------------------------------------------------------------------|--------------|---------------------|
| Setra S 309 HD, S 315/317/319 GT-HD,<br>S 313/315/319 UL, S 315/319 UL-GT,<br>SG 321 UL | 3698 603 914 | Bosch 0 986 039 140 |



### Alternator in exchange

Voltage 28 V  
Charging current 80 A  
Fastening 60°, left  
Version without pulley

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Volvo B12, B12B | 8000 000 676 | Bosch 0 986 039 260 |



## Alternator

|                  |                     |
|------------------|---------------------|
| Voltage          | 28 V                |
| Charging current | 120 A               |
| Flange           | 3-hole              |
| Version          | without belt pulley |

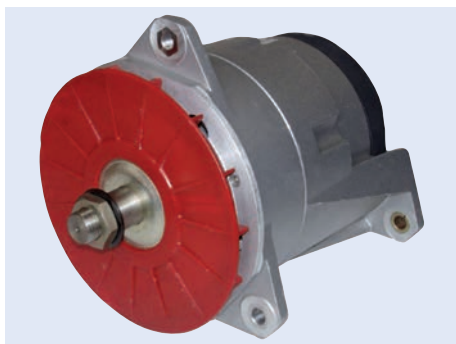
| suitable for                                                                                                            | Order no.           | Comparative no.   |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>Fast</b> Scoler III, Syter (Euro 4)                                                                                  | <b>9859 838 870</b> | Prestolite 860812 |
| <b>MAN</b> Lion's City (A20/A21/A37/A39/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03) |                     |                   |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                     |                   |
| <b>Temsa</b> Diamond, Opalin                                                                                            |                     |                   |



## Alternator

|                  |                                 |
|------------------|---------------------------------|
| Voltage          | 28 V                            |
| Charging current | 90 A                            |
| Version          | clockwise direction of rotation |

| suitable for                                                                                       | Order no.           | Comparative no.      |
|----------------------------------------------------------------------------------------------------|---------------------|----------------------|
| <b>Heuliez</b> GX 317, 327                                                                         | <b>5240 860 712</b> | Prestolite 860712GBA |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Eurorider, Citelis, Crossway LE, Evadys, Récréo |                     |                      |
| <b>Iveco</b> CityClass                                                                             |                     |                      |



## Alternator

|                  |                |
|------------------|----------------|
| Voltage          | 28 V           |
| Charging current | 155 A          |
| Version          | without pulley |

| suitable for                                        | Order no.           | Comparative no.     |
|-----------------------------------------------------|---------------------|---------------------|
| <b>Heuliez</b> GX 317                               | <b>5240 127 768</b> | Prestolite 1277A680 |
| <b>Irisbus</b> Agora, Arès, Iliade, Magelys, Récréo |                     |                     |
| <b>MAN</b> Lion's Coach (R07)                       |                     |                     |
| <b>Volvo</b> B7L, B10M, B12B, B12R                  |                     |                     |



**Prestolite**  
electric

### Alternator in exchange

Voltage 28 V  
Charging current 180 A  
Version without pulley

| suitable for                                             | Order no.    | Comparative no.    |
|----------------------------------------------------------|--------------|--------------------|
| Heuliez GX 417<br>Volvo B7L, B9TL, B10B, B10M, B12, B12B | 0737 996 001 | Prestolite 880704Z |

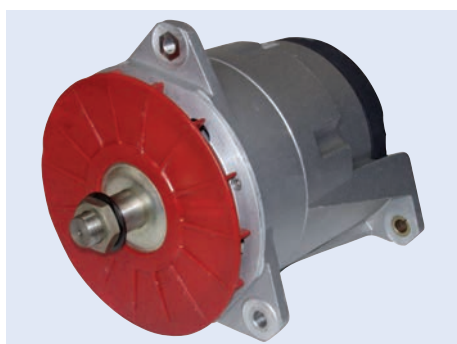


**Prestolite**  
electric

### Alternator in exchange

Voltage 28 V  
Charging current 115 A  
Version without pulley

| suitable for                                             | Order no.    | Comparative no.    |
|----------------------------------------------------------|--------------|--------------------|
| Heuliez GX 417<br>Volvo B7L, B7TL, B10B, B10L, B12, B12B | 2127 000 112 | Prestolite 880703Z |



**Prestolite**  
electric

### Alternator

Voltage 28 V  
Charging current 150 A  
Version without pulley

| suitable for                                                                                                                                                                                                                                                                                                                           | Order no.    | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|
| <b>Irisbus</b> Arway, Arway LE, Citelis CNG, Crossway LE, Eurorider, Magelys, Récréo II<br><b>MAN</b> Lion's City (A21), Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Comfort, Lion's Regio (R12/R13), Lion's Star (R02/R03), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516) | 5241 277 760 | Prestolite 1277A760 |

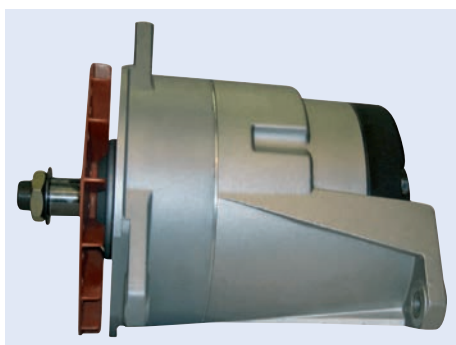




## Alternator

Voltage 28 V  
Charging current 155 A  
Version without pulley

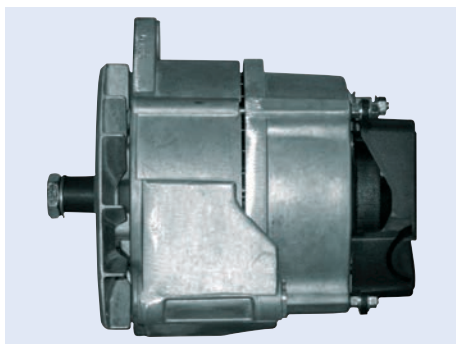
| suitable for                                                                                                                                                                                                                                                       | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Arway LE<br><b>MAN</b> Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Comfort, EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)<br><b>Neoplan</b> Skyliner (N 1122)<br><b>Setra</b> S 415/416 GT, S 415/417 GT-HD<br><b>Volvo</b> B12B | <b>1902 033 021</b> | Prestolite 1277A720 |



## Alternator

Voltage 28 V  
Charging current 155 A  
Flange 2-hole  
Version right stop, without pulley

| suitable for                                                                                                                                                                                                                                                                                    | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Comfort, Lion's Star (R02/R03), EL (A12), NG (A11/A23), NL (A10/A15), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro II (O 530), Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315/319 NF, S 415 HD, S 417 HDH, S 415/416/417 GT-HD, S 415 NF | <b>1902 533 300</b> | Prestolite 1277A650 |

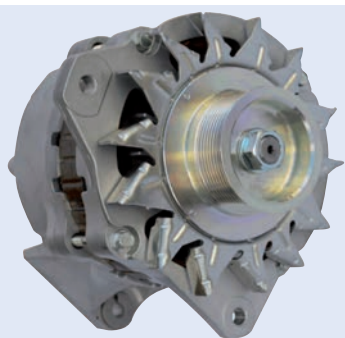


## Alternator

Voltage 28 V  
Charging current 100 A  
Flange 3-hole  
Version with belt pulley

| suitable for                                                                                                                                                       | Order no.           | Comparative no.   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Cito (O 520), Conecto I (O 345), Intouro II, Tourino (O 510)<br><b>Setra</b> S 415 HD, S 415/417 HDH, S 431 DT, S 415 NF | <b>5240 860 563</b> | Prestolite 860563 |





## Alternator

Voltage 28 V  
Charging current 150 A  
Version brushless, clockwise direction of rotation

| suitable for    | Order no.    | Comparative no.        |
|-----------------|--------------|------------------------|
| Scania K360/380 | 5240 005 591 | Prestolite A009TU5591A |



## Alternator

Voltage 28 V  
Charging current 110 A  
Version clockwise direction of rotation

| suitable for    | Order no.    | Comparative no.   |
|-----------------|--------------|-------------------|
| Temsa Avenue LF | 5240 860 810 | Prestolite 860810 |



## Alternator

Voltage 28 V  
Charging current 115 A  
Version without pulley

| suitable for | Order no.    | Comparative no.    |
|--------------|--------------|--------------------|
| Volvo B10L   | 5240 880 701 | Prestolite 880701Z |



## Alternator

Voltage 28 V  
Charging current 110 A  
Flange 2-hole flange

| suitable for                                  | Order no.    | Comparative no.   |
|-----------------------------------------------|--------------|-------------------|
| Volvo B7R, B9L, B9R, B9TL, B12, B12B, B12B LE | 9859 838 871 | Prestolite 860804 |



## Alternator as replacement

Voltage 28 V  
Charging current 90 A  
Version without pulley

| suitable for                                                                            | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Heuliez</b> GX 317, 327                                                              | <b>0737 916 001</b> | Hella 8EL 737 916-001 |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Citelis, Crossway LE, Evadys, Récréo |                     |                       |
| <b>Iveco</b> CityClass                                                                  |                     |                       |



## Alternator in exchange

Voltage 28 V  
Charging current 140 A  
Version without pulley

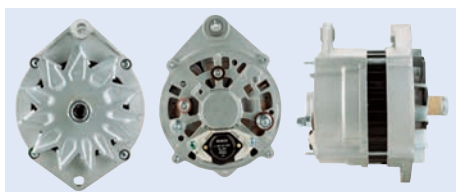
| suitable for                        | Order no.           | Comparative no.       |
|-------------------------------------|---------------------|-----------------------|
| <b>Scania</b> K94/114/124, L94, N94 | <b>0737 894 001</b> | Hella 8EL 737 894-001 |



## Alternator

Voltage 28 V  
Charging current 100 A  
Version without pulley

| suitable for                        | Order no.           | Comparative no.       |
|-------------------------------------|---------------------|-----------------------|
| <b>Scania</b> K94/114/124, L94, N94 | <b>0738 211 401</b> | Hella 8EL 738 211-401 |

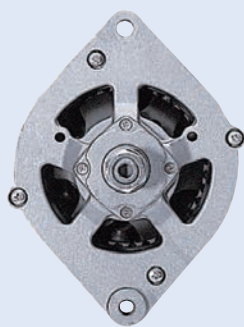


## Alternator in exchange

Voltage 28 V  
Charging current 80 A

**Scope of supply**  
without pulley

| suitable for                                                                                                   | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Heuliez</b> GX 317, 327, 427                                                                                | <b>1058 902 469</b> | Lucas LRA02469  |
| <b>Irisbus</b> Agora, Arway, Arway LE, Citelis CNG, Crossway LE, Domino, New Domino, Eurorider, Evadys, Récréo |                     |                 |
| <b>Iveco</b> CityClass                                                                                         |                     |                 |



### Alternator as replacement

|                  |                                                |
|------------------|------------------------------------------------|
| Voltage          | 28 V                                           |
| Charging current | 60 A                                           |
| Fastening        | 0°                                             |
| Version          | without pulley, with connection for tachometer |

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Volvo B12, B12B | 9192 000 086 | Valeo 437352    |



### Alternator in exchange

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Voltage          | 28 V                                                                   |
| Charging current | 80 A                                                                   |
| Version          | without pulley, with connection for tachometer and integrated governor |

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Volvo B12, B12B | 6170 002 226 | Volvo 8156817   |

## Professional vehicle diagnosis

Across-brand diagnostic tools for tractor units, trailers, semi-trailers, buses and vans

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## Indicator switch

| suitable for                                                                                                                                           | Switch function                                                       | Fig. | Order no.    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------|--------------|
| <b>Fast</b> Scoler III, Syter                                                                                                                          | Retarder                                                              | 1    | 5235 090 068 |
| <b>Irisbus</b> Arway, Crossway LE, Eurorider, Magelys HD, Récréo II                                                                                    | Direction indicators                                                  |      | 2591 221 035 |
| <b>Irisbus</b> Eurorider                                                                                                                               | Light                                                                 | 2    | 2593 191 488 |
| <b>Irisbus</b> Eurorider                                                                                                                               | Wipe                                                                  |      | 2590 213 305 |
| <b>Irisbus</b> Eurorider                                                                                                                               | Direction indicators and horn                                         | 2    | 2593 194 121 |
| <b>MAN</b> Lion's City (A21)                                                                                                                           | Retarder                                                              |      | 5235 090 134 |
| <b>MAN</b> Lion's City (A37), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                                                           | Direction indicators, wash, wipe, light, headlight flasher, main beam |      | 1325 090 139 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                       |                                                                       |      |              |
| <b>MAN</b> Lion's Coach (R07/R08)                                                                                                                      | Retarder                                                              |      | 5235 090 002 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                                                                  |                                                                       |      |              |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12)                                                                                                      | Retarder, 2 levels                                                    |      | 5235 090 126 |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                                                 |                                                                       |      |              |
| <b>MAN</b> Lion's Coach (R07)                                                                                                                          | Retarder                                                              |      | 5230 262 776 |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                      |                                                                       |      |              |
| <b>MAN</b> Lion's Coach (R08)                                                                                                                          | Retarder                                                              |      | 5235 090 149 |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                      |                                                                       |      |              |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)                                                                                                              | Retarder                                                              |      | 9465 408 945 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                                                             | Retarder and Tempomat                                                 |      | 9465 458 324 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350), O 404                                                                                      | Direction indicators, wash, wipe, light, headlight flasher, main beam |      | 1325 061 340 |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourino (O 510), Tourismo II, Travego I (O 580)                                                               | Retarder, Tempomat and engine brake                                   | 3    | 9465 450 724 |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 416 HDH, S 431 DT, S 416 GT-HD, S 417/419 UL |                                                                       |      |              |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                | Tempomat                                                              |      | 9465 406 945 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                                 | Retarder and Tempomat                                                 | 3    | 9465 458 524 |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT      |                                                                       |      |              |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                                 | Direction indicators, light and wipe                                  | 3    | 9465 458 424 |
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT                                                                                                 |                                                                       |      |              |
| <b>Neoplan</b> Tourliner (N 2216)                                                                                                                      | Distance control and Tempomat                                         |      | 5235 090 151 |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                     | speed limiter                                                         |      | 5235 090 179 |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                     | Speed limiter, 2 levels                                               |      | 5235 090 079 |

Continued on the next page ...

... continued from the previous page

| suitable for                                     | Switch function                                                     | Fig. | Order no.    |
|--------------------------------------------------|---------------------------------------------------------------------|------|--------------|
| Scania K114/124                                  | Wipe                                                                |      | 8000 112 694 |
| Setra S 417/419 UL                               | Retarder and Tempomat                                               |      | 9460 624 538 |
| Volvo B10B, B10M                                 | Direction indicators, lights, headlamp flasher, main beam, Tempomat | 4    | 6170 001 207 |
| Volvo B10B, B10M, B12                            | Wipe                                                                | 5    | 6170 138 956 |
| Volvo B5LH, B7R, B9L, B9R, B9TL, B12, B12B, B13R | Direction indicators, light and Tempomat                            | 6    | 6170 003 600 |
| Volvo B7L                                        | Wash, wipe and Tempomat                                             | 4    | 6170 003 494 |
| Volvo B9R, B12B, B13R                            | Wash, wipe and Tempomat                                             |      | 8000 006 591 |



Indicator switch

This figure corresponds to 8000 012 667

| suitable for                                                                                                                                                                                                                                                                                                          | Switch function                                                                              | Cable length | Order no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------|--------------|
| <b>MAN</b> Lion's City (A20/A21), NG (A23), NL (A21)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520)<br><b>Neoplan</b> Centroliner (N 45XX), Skyliner (N 1122)<br><b>Setra</b> S 415 NF<br><b>Solaris</b> Urbino III                                                                                     | Direction indicators, horn, light, headlight flasher, wash and wipe with intermittent wipe   | 350 mm       | 9465 406 244 |
| <b>MAN</b> Lion's City (A78), Lion's Coach (R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                                                          | Direction indicators, horn, light, headlight flasher, wash and wipe with intermittent wipe   | 260 mm       | 9790 000 033 |
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10/A15), ÜL                                                                                                                                                                                                                                               | Direction indicators, light, headlight flasher, wash and wipe                                | 600 mm       | 9790 003 943 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Integro II (O 550), Intouro II, Tourino (O 510), Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415/416 HD, S 416/417 HDH, S 415/416/417 GT-HD, S 415/417/419 UL | Direction indicators, horn, lights, headlight flashers, wash and wipe                        | 560 mm       | 9465 453 125 |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourino (O 510), Turismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 UL                                                                                                                             | Direction indicators, horn, lights, headlight flashers, wash and wipe                        | 560 mm       | 9500 992 673 |
| <b>Mercedes-Benz</b> O 404                                                                                                                                                                                                                                                                                            | Direction indicators, horn, headlight flashers, lights, wash and wipe with intermittent wipe | 490 mm       | 9500 992 679 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                                                                                                                                                                            | Direction indicators, horn, lights, headlight flashers, wash and wipe                        | 480 mm       | 5130 412 029 |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                                                                                                                                                                                                                                                | Direction indicators, horn, headlight flashers, lights, wash and wipe with intermittent wipe | 800 mm       | 9790 000 029 |

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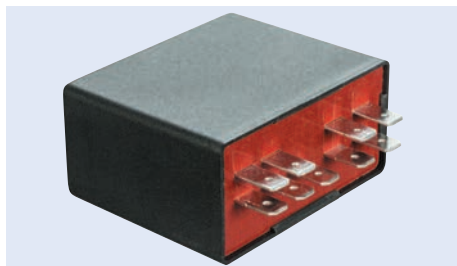
| suitable for                | Switch function                                                         | Cable length | Order no.    |
|-----------------------------|-------------------------------------------------------------------------|--------------|--------------|
| Scania K114/124             | Direction indicators, light and headlamp flasher                        | 300 mm       | 8000 012 667 |
| Scania K114/124             | Direction indicators, lights, headlamp flasher, main beam and Tempomat  | 365 mm       | 8000 012 666 |
| Volvo B12, B12B, B12R       | Direction indicators, lights, main beam, headlamp flashers and Tempomat | 350 mm       | 6170 003 464 |
| Volvo B5LH, B7R, B9TL, B12B | Wash, wipe and Tempomat                                                 |              | 6170 553 741 |



Indicator switch

This figure corresponds to 6170 700 930

| suitable for                                                       | Order no.    | Comparative no.             |
|--------------------------------------------------------------------|--------------|-----------------------------|
| Irisbus Arway, Crossway LE, Evadys, Magelys, New Domino, Récréo II | 2590 125 870 | Irisbus 41221009            |
| Irisbus Citelis                                                    | 2591 859 358 | Irisbus 5001859358          |
| Irisbus Eurorider                                                  | 2591 221 260 | Irisbus 41221260            |
| Iveco CityClass                                                    | 2592 538 795 | Irisbus 42538795            |
| MAN Lion's City (A20/A21/A23/A37/A47)                              | 5235 090 133 | MAN 81.25509-0133           |
| Neoplan Centroliner (N 45XX)                                       |              |                             |
| MAN Lion's Regio (R12)                                             | 5235 090 130 | MAN 81.25509-0130           |
| MAN Lion's Regio (R12)                                             | 5235 090 152 | MAN 81.25509-0152           |
| MAN Lion's Regio (R12)                                             | 5235 090 187 | MAN 81.25509-0187           |
| MAN NÜ (A20)                                                       | 5235 090 058 | MAN 81.25509-0058           |
| Mercedes-Benz O 407                                                | 9465 400 384 | Mercedes-Benz 000 540 03 84 |
| Mercedes-Benz Travego II                                           | 9465 459 524 | Mercedes-Benz 007 545 95 24 |
| Setra S 417 HDH, S 417 GT-HD                                       |              |                             |
| Volvo B7R, B12B                                                    | 6170 700 930 | Volvo 20700930              |



Indicator

| suitable for                                                | Order no.    |
|-------------------------------------------------------------|--------------|
| MAN Lion's Star (R02/R03), EL (A12), NG (A11), NL (A10/A15) | 5825 215 006 |

Indicator

| suitable for      | Order no.    |
|-------------------|--------------|
| Irisbus Eurorider | 2594 021 455 |

**WABCO****Potentiometer**

Temperature range -40 to +80 °C

| suitable for                                                                     | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Crossway, Domino,<br>Eurorider, Evadys, Magelys, Récréo II | <b>0631 000 010</b> | Wabco 965 100 001 0 |

**BOSCH****Potentiometer**

for accelerator pedal position

| suitable for           | Order no.           | Comparative no.     |
|------------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass | <b>3850 001 204</b> | Bosch 0 205 001 204 |

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**Adapter**

from the 13-pole socket (ISO 11 446) on the towing vehicle to a 7-pole connector (ISO 1724) on the trailer line

Cable length 57 mm

Load capacity at 12 V: 16 A

**Order no.**

**0008 969 001**

**Comparative no.**

Hella 8JA 008 969-001

**For the electrical supply of your bus trailer.**

**5**

Electrics and lighting

**Socket**

Version 7-pin

Voltage 12 V

Standard ISO 1724

Material Plastic

Plug type Screw contact

**Order no.**

**0001 943 003**

**Socket**

with cut-off contact for rear fog light, with rubber seal

Version 13-pole

Voltage 6-24 V

Standard ISO 11 446

Material plastic

**Order no.**

**9501 003 209**

**Socket**

with snap cover, 6,3 mm spade connection

Version 2-pin

Voltage 6-24 V

Standard ISO 4165

Load capacity, max. 16 A

**Order no.**

**9501 003 364**



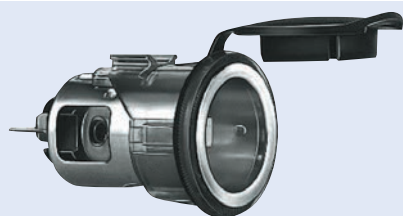
### Plug

without strain relief and cable protection sleeve

Version 2-pin  
Voltage 6-24 V  
Standard ISO 4165

Order no.

9501 241 440



### Socket

for cigarette lighter socket

with cover and clamping sleeve, 6,3 mm spade connection

Version 2-pin  
Voltage 6-24 V

Load capacity: max. 16 A

Order no.

0008 023 001

Comparative no.

Hella 8JB 008 023-001



### Plug

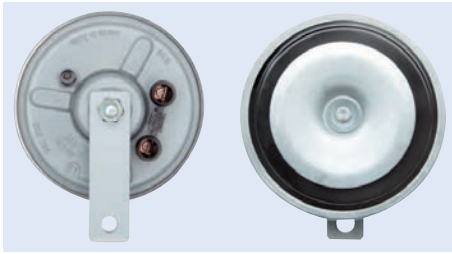
for cigarette lighter and standard sockets (ISO 4165)

with screwed strain relief and 8 A fuse

Voltage 6-24 V  
Plug type Screw contact

Order no.

0007 589 001

**Signal horn****B 36**

black membrane, with Teflon ring to protect against moisture

|                   |                              |
|-------------------|------------------------------|
| Noise level       | 116 dB(A)                    |
| Power consumption | 72 W                         |
| Voltage           | 24 V                         |
| Version           | protected                    |
| Material          | metal                        |
| Surface           | galvanised                   |
| Width             | 113 mm                       |
| Height            | 129 mm                       |
| Depth             | 60 mm                        |
| Fastening         | Bracket on horn, M8          |
| Connection        | Flat-blade connection 6,3 mm |

| Frequency | Order no.           | Comparative no.       |
|-----------|---------------------|-----------------------|
| 335 Hz    | <b>0002 768 441</b> | Hella 3BA 002 768-441 |
| 400 Hz    | <b>0002 768 201</b> | Hella 3BA 002 768-201 |

**Signal horn****Super tone, DL 50**

|                   |                              |
|-------------------|------------------------------|
| Noise level       | 114 dB(A)                    |
| Power consumption | 84 W                         |
| Voltage           | 24 V                         |
| Version           | with protection mesh         |
| Surface           | painted                      |
| Width             | 130 mm                       |
| Height            | 143 mm                       |
| Depth             | 61 mm                        |
| Fastening         | Bracket on horn, M8          |
| Connection        | Flat-blade connection 6,3 mm |

| Frequency | Order no.           | Comparative no.       |
|-----------|---------------------|-----------------------|
| 310 Hz    | <b>0004 811 021</b> | Hella 3CA 004 811-021 |
| 380 Hz    | <b>0004 811 031</b> | Hella 3CA 004 811-031 |

**Fanfare horn**

|                    |                                                      |
|--------------------|------------------------------------------------------|
| Noise level        | 118 dB(A)                                            |
| Frequency          | 350 Hz                                               |
| Power consumption  | 108 W                                                |
| Voltage            | 24 V                                                 |
| Version            | with curved horn, with interference suppressor diode |
| Ø                  | 122 mm                                               |
| Length             | 175 mm                                               |
| Height             | 195 mm                                               |
| Operating pressure | 6-8,3 bar bar                                        |
| Connection         | Round plug connection Ø 4 mm                         |
| suitable for       | Compressed air pipe Ø 8 mm                           |

| Order no.           | Comparative no.       |
|---------------------|-----------------------|
| <b>0004 206 031</b> | Hella 3PA 004 206-031 |





## Starter battery

### 12 V, filled and charged

The wide range of EUROPART starter batteries for trucks and cars stands out particularly not only thanks to its excellent price-performance ratio but also through good start-up power, low water consumption, universal application possibilities, load capacity, long service life and reliability. It goes without saying that the quality requirements of EUROPART starter batteries comply with general DIN/EN standards.

Circuit 3  
Cell type 1

| Type        | CCA           | Capacity | Length x width x height | Bottom rail | Order no.    |
|-------------|---------------|----------|-------------------------|-------------|--------------|
| 620 045 068 | 680 (A [EN])  | 120 Ah   | 513 x 189 x 223 mm      | B00         | 9560 620 343 |
| 635 052 100 | 1000 (A [EN]) | 135 Ah   | 514 x 175 x 210 mm      | B03         | 9560 635 393 |
| 640 035 076 | 760 (A [EN])  | 140 Ah   | 513 x 189 x 223 mm      | B00         | 9560 640 203 |
| 640 036 076 | 760 (A [EN])  | 140 Ah   | 513 x 189 x 223 mm      | B03         | 9560 635 313 |
| 643 033 095 | 950 (A [EN])  | 143 Ah   | 514 x 218 x 210 mm      | B03         | 9560 643 233 |
| 655 013 090 | 900 (A [EN])  | 155 Ah   | 513 x 223 x 223 mm      | B00         | 9560 643 173 |
| 670 043 100 | 1000 (A [EN]) | 170 Ah   | 513 x 223 x 223 mm      | B00         | 9560 670 183 |
| 680 032 100 | 1000 (A [EN]) | 180 Ah   | 513 x 223 x 223 mm      | B00         | 9560 680 323 |
| 725 012 115 | 1150 (A [EN]) | 225 Ah   | 518 x 276 x 242 mm      | B00         | 9560 710 143 |



## Starter battery

### EUROPART Plus, 12 V, filled and charged

In addition to the product advantages of the EUROPART standard starter battery, the EUROPART Plus is completely maintenance-free, has a central degassing vent, a safety cover providing flashback protection, Ca/Ca technology (Calcium/Calcium technology)

Design Super Heavy Duty  
Standard EN-4, V3  
Circuit 3  
Cell type 1  
Bottom rail B00  
maintenance free

| Type        | CCA           | Capacity | Length x width x height | Order no.    |
|-------------|---------------|----------|-------------------------|--------------|
| 680 032 100 | 1000 (A [EN]) | 180 Ah   | 513 x 223 x 223 mm      | 9560 680 325 |
| 725 012 115 | 1150 (A [EN]) | 225 Ah   | 518 x 276 x 242 mm      | 9560 710 145 |



### Starter battery

#### Promotive blue, 12 V, filled and charged

absolutely maintenance-free, labyrinth safety cover with flashback protection, central degassing, can be stored for up to 15 months, optimised current flow with PowerFrame grid technology for particularly low resistance and maximum conductivity, extended OE technology

|           |            |
|-----------|------------|
| Standard  | EN-3, V2   |
| Design    | heavy duty |
| Cell type | 1          |
| Circuit   | 3          |

#### Application range

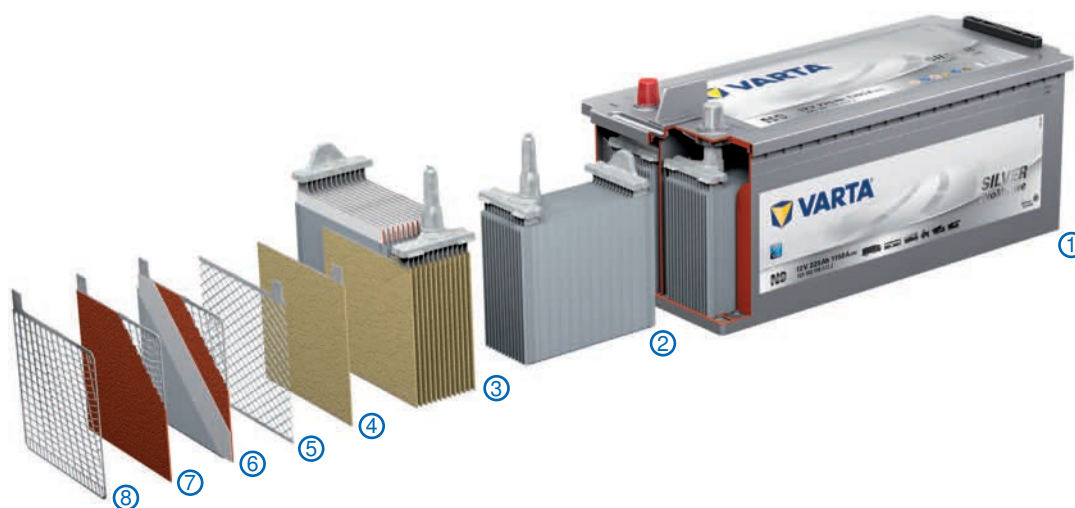
Commercial vehicles with normal energy requirement

| Type        | CCA           | Capacity | Length x width x height | Bottom rail | Order no.    |
|-------------|---------------|----------|-------------------------|-------------|--------------|
| 640 103 080 | 800 (A [EN])  | 140 Ah   | 513 x 189 x 223 mm      | B00         | 9560 640 104 |
| 640 400 080 | 800 (A [EN])  | 140 Ah   | 513 x 189 x 223 mm      | B03         | 9560 640 401 |
| 670 103 100 | 1000 (A [EN]) | 170 Ah   | 513 x 223 x 223 mm      | B00         | 9560 670 102 |

5

Electrics and lighting

### VARTA® Promotive Silver section diagram



- ① Battery casing
- ② Plate block
- ③ Negative plate set
- ④ Negative plate
- ⑤ Negative grid
- ⑥ Positive plate with separator
- ⑦ Positive plate
- ⑧ PowerFrame® grid

**Innovative plate technology – Up to eight times greater deep cycle resistance than traditional wet batteries, for a longer service life.**



## Starter battery

### Promotive Silver, 12 V, filled and charged

absolutely maintenance-free, labyrinth safety cover with flashback protection, central degassing, can be stored for up to 18 months, optimised current flow with PowerFrame grid technology for particularly low resistance and maximum conductivity, extended OE technology

Standard EN-4, V3  
Design Super Heavy Duty  
Cell type 1  
Circuit 3

### Application range

Commercial vehicles with particularly high energy requirement

| Type        | CCA           | Capacity | Length x width x height | Bottom rail | Order no.    |
|-------------|---------------|----------|-------------------------|-------------|--------------|
| 645 400 080 | 800 (A [EN])  | 145 Ah   | 513 x 189 x 223 mm      | B00         | 9560 645 400 |
| 680 108 100 | 1000 (A [EN]) | 180 Ah   | 513 x 223 x 223 mm      | B00         | 9560 680 110 |
| 725 103 115 | 1150 (A [EN]) | 225 Ah   | 518 x 276 x 242 mm      | B00         | 9560 725 104 |

Battery testers and chargers can be found on pages 650-653.

## In 24 V systems, the two 12 V batteries must match!

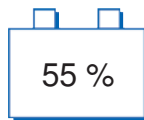
For 24 Volts (= 2 x 12 Volts), there are 3 rules to obey:

- only pair batteries > 85 % with new batteries
- If the difference between the two batteries > 25 % => replace the weaker battery
- Replace batteries < 50 %

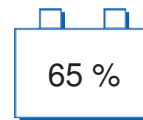
Benchmark:

Battery life or cold start current

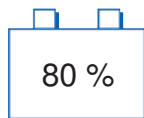
Case studies:



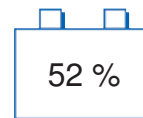
Difference < 25 %  
Each battery above 50 %  
**both batteries OK**



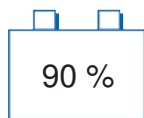
In practice, in spring both batteries would be left in place, in autumn however, they would be replaced because of the low temperatures which could be expected.



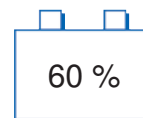
Difference > 25 %  
neither battery above 85 %  
**replace both batteries**



In practice, the 52 % battery would be disposed of, the 80 % battery however would be kept ready for pairing with another battery having between 75 % and 90 %.



Difference > 25 %  
neither battery > 85 %  
**battery 1 is kept**  
**battery 2 is replaced**



The 90 % battery can be well combined with a new battery.



The technology that keeps your  
fleet on the road. **Who started it?**



VARTA® Promotive batteries are built to power fleets and reduce Total Cost of Ownership. Advanced PowerFrame® and Labyrinth lid technologies, plus durable design, deliver reliability, zero maintenance, and longer life. Which means less downtime.

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Johnson  
Controls 



# Axle and steering parts

6





|                                         |         |
|-----------------------------------------|---------|
| Steering . . . . .                      | 264-293 |
| Axle location . . . . .                 | 294-335 |
| Wheel suspension and mounting . . . . . | 336-363 |
| Wheels . . . . .                        | 364-369 |

**Drag-link**

Version not adjustable  
 Length 628 mm  
 Cone-Ø 30 mm  
 Pipe Ø 40 mm

**Scope of supply**  
 with accessories

| suitable for                                                 | Order no.           |
|--------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37), NL (A21), NÜ (A20) | <b>9070 001 007</b> |
| <b>Neoplan</b> Centroliner (N 45XX)                          |                     |

**Drag-link**

Version adjustable on one side  
 Cone-Ø 30 mm  
 Pipe Ø 60 mm

**Scope of supply**  
 with accessories

This figure corresponds to 9079 918 070

| suitable for                                                   | Length       | Order no.           |
|----------------------------------------------------------------|--------------|---------------------|
| <b>MAN</b> Lion's City (A78), EL (A12), NG (A11), NL (A10/A15) | 1066/1258 mm | <b>9079 918 070</b> |
| <b>Mercedes-Benz</b> O 405 N                                   |              |                     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)       | 1271 mm      | <b>9070 322 078</b> |

**Drag-link**

Version not adjustable  
 Cone-Ø 30 mm  
 Pipe Ø 42 mm

**Scope of supply**  
 with accessories

This figure corresponds to 9070 001 023

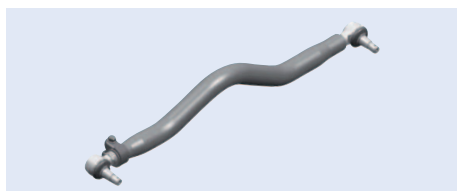
| suitable for                                                           | Length  | Order no.           |
|------------------------------------------------------------------------|---------|---------------------|
| <b>MAN</b> Lion's City (A78), EL (A12), NG (A11), NL (A10/A15)         | 1050 mm | <b>9079 922 058</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520), Conecto I (O 345) | 928 mm  | <b>9070 001 023</b> |

**Drag-link**

Installation side left  
 Cone-Ø 26 mm  
 Threadtype right-hand thread

This figure corresponds to 9070 900 049

| suitable for                      | Installation location | Length  | Order no.           |
|-----------------------------------|-----------------------|---------|---------------------|
| <b>Mercedes-Benz</b> O 407, O 408 | front                 | 1160 mm | <b>9070 900 098</b> |
| <b>Mercedes-Benz</b> O 407, O 408 | rear                  | 988 mm  | <b>9070 900 049</b> |


**LEMFÖRDER**

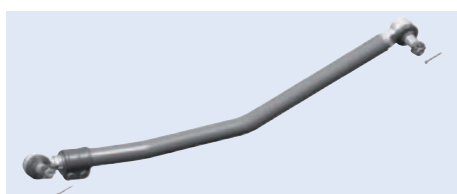
### Drag-link

Version adjustable on one side

**Scope of supply**  
with accessories

This figure corresponds to 9050 027 560

| suitable for                                                                     | Length  | Cone-Ø | Pipe Ø | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------|---------|--------|--------|---------------------|--------------------|
| <b>Heuliez</b> GX 427<br><b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE | 529 mm  | 30 mm  | 48 mm  | <b>9074 113 824</b> | Lemförder 34654 01 |
| <b>Scania</b> K94, K360                                                          | 1042 mm | 32 mm  | 62 mm  | <b>9050 027 560</b> | Lemförder 27560 02 |


**LEMFÖRDER**

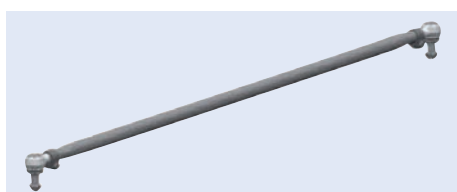
### Drag-link

Version adjustable on one side

**Scope of supply**  
with accessories

This figure corresponds to 9072 461 301

| suitable for                                           | Length  | Cone-Ø  | Pipe Ø | Order no.           | Comparative no.    |
|--------------------------------------------------------|---------|---------|--------|---------------------|--------------------|
| <b>Heuliez</b> GX 127<br><b>Irisbus</b> Agora, Citelis | 955 mm  | 30 mm   | 50 mm  | <b>9072 461 301</b> | Lemförder 24613 01 |
| <b>Irisbus</b> Eurorider                               | 888 mm  | 30 mm   | 62 mm  | <b>9050 228 141</b> | Lemförder 22814 01 |
| <b>Scania</b> K94/124                                  | 1256 mm | 30 mm   | 62 mm  | <b>9070 021 450</b> | Lemförder 21450 01 |
| <b>Volvo</b> B12B, B12R, B13R                          | 770 mm  | 28,6 mm | 38 mm  | <b>9052 981 401</b> | Lemförder 29814 01 |


**LEMFÖRDER**

### Drag-link

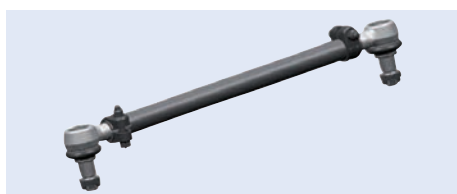
Version adjustable on both sides

Cone-Ø 30 mm

**Scope of supply**  
with accessories

This figure corresponds to 1582 536 164

| suitable for                                                                                                  | Length  | Pipe Ø | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------------------------------------------|---------|--------|---------------------|--------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Star, ÜL<br><b>Neoplan</b> Centroliner (N 44XX), Tourliner (N 2216) | 1821 mm | 46 mm  | <b>1582 536 164</b> | Lemförder 31370 01 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N                                                               | 1160 mm | 38 mm  | <b>9079 991 438</b> | Lemförder 24301 01 |


**LEMFÖRDER**

### Drag-link

Version adjustable on both sides

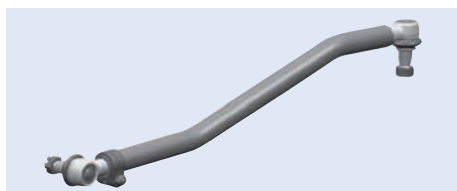
Length 651 mm

Cone-Ø 30 mm

Pipe Ø 38 mm

**Scope of supply**  
with accessories

| suitable for                                                       | Order no.           | Comparative no.    |
|--------------------------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF | <b>9050 601 905</b> | Lemförder 33306 01 |


**LEMFÖRDER**

### Drag-link

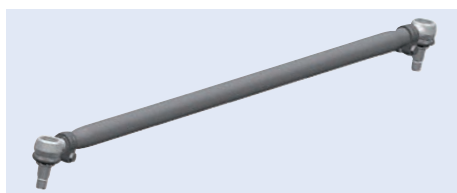
Version adjustable on one side

**Scope of supply**  
with accessories

This figure corresponds to 9073 196 401

| suitable for                                 | Length  | Cone-Ø   | Pipe Ø | Order no.           | Comparative no.    |
|----------------------------------------------|---------|----------|--------|---------------------|--------------------|
| <b>MAN</b> Lion's Classic Ü (A72)            | 905 mm  | 30 mm    | 52 mm  | <b>9079 991 399</b> | Lemförder 21001 01 |
| <b>Scania</b> K124/380, Irizar PB12          | 882 mm  | 30 mm    | 48 mm  | <b>9070 022 744</b> | Lemförder 27744 01 |
| <b>Setra</b> S 315/319 NF, S 431 DT          | 870 mm  | 32/30 mm | 38 mm  | <b>9079 991 140</b> | Lemförder 23396 01 |
| <b>Volvo</b> B10B                            | 1028 mm | 28,6 mm  | 60 mm  | <b>2127 003 314</b> | Lemförder 21572 02 |
| <b>Volvo</b> B5LH, B7R, B9L, B9TL, B12, B12B | 805 mm  | 28,6 mm  | 42 mm  | <b>9073 196 401</b> | Lemförder 31964 02 |
| <b>Volvo</b> B7L, B9TL, B12, B12B            | 763 mm  | 28,6 mm  | 38 mm  | <b>9079 991 009</b> | Lemförder 21271 01 |
| <b>Volvo</b> B9R, B10B, B10M                 | 1028 mm | 28,6 mm  | 60 mm  | <b>9070 000 091</b> | Lemförder 22024 02 |

6


**LEMFÖRDER**

### Drag-link

Installation location driver's side, longitudinal

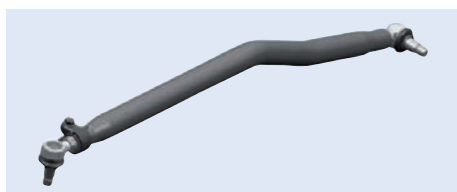
Version adjustable

Length 2175 mm

Cone-Ø 30 mm

Pipe Ø 48 mm

| suitable for                                            | Order no.           | Comparative no.    |
|---------------------------------------------------------|---------------------|--------------------|
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3 | <b>9070 000 060</b> | Lemförder 23391 01 |


**LEMFÖRDER**

### Drag-link

Version adjustable

**Scope of supply**  
with accessories

This figure corresponds to 9050 026 052

| suitable for                                                | Length  | Cone-Ø  | Pipe Ø | Order no.           | Comparative no.    |
|-------------------------------------------------------------|---------|---------|--------|---------------------|--------------------|
| <b>Scania</b> K114/124, L94                                 | 1272 mm | 30 mm   | 62 mm  | <b>9050 026 052</b> | Lemförder 26052 01 |
| <b>Setra</b> S 328 DT, S 315/319 NF, S 313/315 UL, S 431 DT | 630 mm  | 30 mm   | 38 mm  | <b>9079 991 127</b> | Lemförder 21540 01 |
| <b>Volvo</b> B5LH, B7L, B7R, B9L, B9TL, B12B                | 1243 mm | 28,6 mm | 42 mm  | <b>9073 329 701</b> | Lemförder 33297 01 |


**LEMFÖRDER**

### Drag-link

Version adjustable

Length 1342 mm

Cone-Ø 28,6 mm

Pipe Ø 42 mm

**Scope of supply**  
with accessories

| suitable for                    | Order no.           | Comparative no.    |
|---------------------------------|---------------------|--------------------|
| <b>Volvo</b> B7R, B12B, B12B LE | <b>9053 535 901</b> | Lemförder 35359 01 |


**LEMFÖRDER**

### Drag-link

Version adjustable on one side  
 Length 1147 mm  
 Cone-Ø 30 mm  
 Pipe Ø 52 mm

| suitable for       | Order no.    | Comparative no.    |
|--------------------|--------------|--------------------|
| Volvo B7, B7F, B7R | 9072 555 101 | Lemförder 25551 01 |


**LEMFÖRDER**

### Drag-link

Installation location rear axle  
 Version adjustable on both sides  
 Length 1023 mm  
 Cone-Ø 28,6 mm  
 Pipe Ø 42 mm

**Scope of supply**  
 with accessories

| suitable for     | Order no.    | Comparative no.    |
|------------------|--------------|--------------------|
| Volvo B12B, B13R | 9077 703 206 | Lemförder 36106 01 |


**TRW**

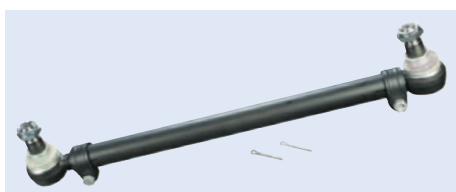
### Drag-link

Cone-Ø 30 mm

**Scope of supply**  
 with accessories

This figure corresponds to 9070 311 120

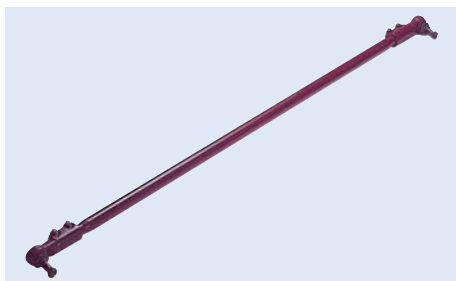
| suitable for                                                                                      | Length  | Pipe Ø | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------|---------|--------|---------------------|-----------------|
| <b>Fast</b> Scoler III, Starter, Syter (Euro 4)<br><b>MAN</b> Lion's Classic Ü (A72)              | 1103 mm | 50 mm  | <b>9070 311 120</b> | TRW JTR4165     |
| <b>Irisbus</b> PR100-2                                                                            | 1855 mm | 40 mm  | <b>9072 058 802</b> | TRW JTR4079     |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12/R13),<br>Lion's Star (R02/R03)                   | 661 mm  | 38 mm  | <b>9079 993 018</b> | TRW JTR4166     |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516) |         |        |                     |                 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N                                                   | 922 mm  | 36 mm  | <b>9079 991 427</b> | TRW JTR0124     |
| <b>Mercedes-Benz</b> O 404, Turismo I (O 350)                                                     | 1708 mm | 56 mm  | <b>9079 006 470</b> | TRW JTR0284     |



### Drag-link

| suitable for              | Order no.           | Comparative no.      |
|---------------------------|---------------------|----------------------|
| <b>Solaris</b> Urbino III | <b>7560 228 505</b> | Solaris 1203 228 505 |





### Steering Track Rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | centre     |
| Length                | 1689 mm    |
| Cone-Ø                | 26 mm      |
| Pipe Ø                | 50 mm      |

#### suitable for

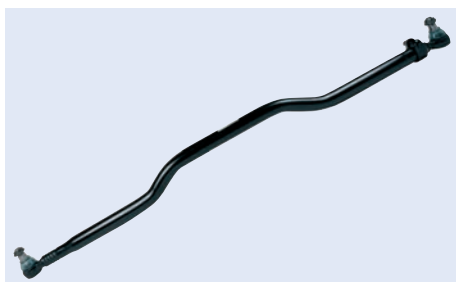
**MAN** EL (A12), NG (A11), NL (A10/A15)  
**Mercedes-Benz** O 405

#### Order no.

**9079 920 884**

6

Axle and steering parts



### Steering Track Rod

|                       |                                   |
|-----------------------|-----------------------------------|
| Installation location | front axle                        |
| Version               | guide rod, adjustable on one side |
| Cone-Ø                | 30 mm                             |

This figure corresponds to 9070 900 056

| suitable for                                                                                                                             | Length  | Pipe Ø | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------------------|
| <b>MAN</b> Lion's Coach (R08), Lion's Regio (R13), Lion's Star                                                                           | 1588 mm | 52 mm  | <b>9070 900 056</b> |
| <b>Scania</b> K94/114/124/360, L94, Irizar PB                                                                                            | 1743 mm | 62 mm  | <b>9070 900 022</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | 680 mm  | 40 mm  | <b>9070 001 018</b> |



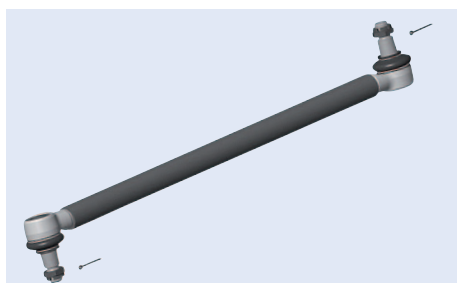
### Steering Track Rod

|                       |                           |
|-----------------------|---------------------------|
| Installation location | front axle, outer         |
| Version               | guide rod, not adjustable |
| Length                | 380 mm                    |
| Cone-Ø                | 30 mm                     |
| Pipe Ø                | 40 mm                     |

**Scope of supply**  
 with accessories

| suitable for                                                                                                                             | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | <b>9070 001 031</b> |

*Problems undoing tight track rods? You'll find an adjustable wrench on page 660.*



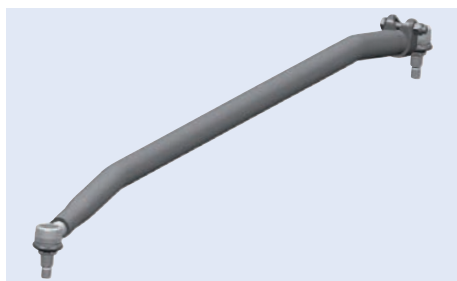
## Steering Track Rod

Version guide rod, not adjustable

**Scope of supply**  
with accessories

This figure corresponds to 9053 465 301

| suitable for                                                                                 | Length | Cone-Ø  | Pipe Ø | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------------------|--------|---------|--------|---------------------|--------------------|
| <b>Heuliez</b> GX 217<br><b>Volvo</b> B7L, B12B                                              | 300 mm | 28,6 mm | 36 mm  | <b>3359 000 890</b> | Lemförder 21270 01 |
| <b>Heuliez</b> GX 427<br><b>Irisbus</b> Arway, Citelis, Citelis CNG,<br>Crealis, Crossway LE | 707 mm | 26 mm   | 36 mm  | <b>9053 465 301</b> | Lemförder 34653 01 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF                           | 566 mm | 30 mm   | 36 mm  | <b>9073 330 501</b> | Lemförder 33305 01 |
| <b>Scania</b> K124                                                                           | 538 mm | 30 mm   | 52 mm  | <b>9070 027 556</b> | Lemförder 34914 01 |
| <b>Volvo</b> B12                                                                             | 701 mm | 26 mm   | 42 mm  | <b>9072 964 901</b> | Lemförder 29649 01 |
| <b>Volvo</b> B12B, B12R, B13R                                                                | 150 mm | 31,5 mm | 25 mm  | <b>9053 130 901</b> | Lemförder 31309 01 |



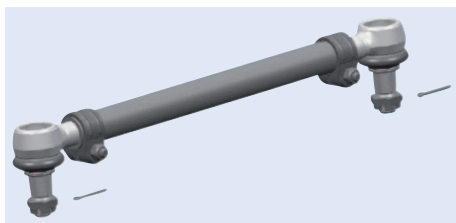
## Steering Track Rod

Version guide rod, adjustable on one side

**Scope of supply**  
with accessories

This figure corresponds to 9073 101 542

| suitable for                                                                                                                                                                                               | Length  | Cone-Ø  | Pipe Ø | Order no.           | Comparative no.    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|--------|---------------------|--------------------|
| <b>Heuliez</b> GX 317<br><b>Irisbus</b> Agora, Citelis                                                                                                                                                     | 1675 mm | 26 mm   | 50 mm  | <b>9072 400 801</b> | Lemförder 24008 01 |
| <b>Irisbus</b> Eurorider                                                                                                                                                                                   | 1627 mm | 30 mm   | 52 mm  | <b>9073 101 542</b> | Lemförder 23374 01 |
| <b>Iveco</b> CityClass                                                                                                                                                                                     | 1717 mm | 30 mm   | 50 mm  | <b>9050 227 881</b> | Lemförder 22788 01 |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                                                                          | 1729 mm | 30 mm   | 50 mm  | <b>9072 932 801</b> | Lemförder 29328 01 |
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 415/416/417 HDH, S 431 DT,<br>S 416/417/419 GT-HD, S 417/419 UL<br><b>VDL</b> Bova Magiq, Bova Synergy | 1673 mm | 30 mm   | 52 mm  | <b>9050 154 501</b> | Lemförder 31545 01 |
| <b>Scania</b> K124/380                                                                                                                                                                                     | 635 mm  | 30 mm   | 48 mm  | <b>9070 027 559</b> | Lemförder 27559 02 |
| <b>Scania</b> K124/380                                                                                                                                                                                     | 635 mm  | 30 mm   | 48 mm  | <b>9070 027 558</b> | Lemförder 27558 02 |
| <b>Volvo</b> B12B                                                                                                                                                                                          | 495 mm  | 28,6 mm | 40 mm  | <b>9078 505 681</b> | Lemförder 23568 01 |
| <b>Volvo</b> B5LH, B7R, B9L, B9TL,<br>B12, B12B                                                                                                                                                            | 1728 mm | 28,6 mm | 48 mm  | <b>9073 192 901</b> | Lemförder 31929 01 |


**LEMFÖRDER**

## Steering Track Rod

Version guide rod, adjustable on both sides

**Scope of supply**  
with accessories

This figure corresponds to 9072 402 601

| suitable for                                                     | Length  | Cone-Ø | Pipe Ø | Order no.           | Comparative no.    |
|------------------------------------------------------------------|---------|--------|--------|---------------------|--------------------|
| <b>Irisbus</b> Arès, Arway, Axer, Evadys, Iliade, Récréo         | 776 mm  | 26 mm  | 38 mm  | <b>9072 680 901</b> | Lemförder 26809 01 |
| <b>Irisbus</b> Arès, Iliade                                      | 525 mm  | 30 mm  | 36 mm  | <b>9072 059 001</b> | Lemförder 20590 01 |
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crealis, Crossway LE | 470 mm  | 30 mm  | 38 mm  | <b>9074 113 827</b> | Lemförder 34652 01 |
| <b>Irisbus</b> Arway, Récréo II, Magelys HD                      | 803 mm  | 26 mm  | 38 mm  | <b>9053 535 501</b> | Lemförder 35355 01 |
| <b>Irisbus</b> Axer, Récréo                                      | 762 mm  | 30 mm  | 40 mm  | <b>9073 611 801</b> | Lemförder 36118 01 |
| <b>Irisbus</b> Domino, Eurorider                                 | 851 mm  | 30 mm  | 38 mm  | <b>9073 612 506</b> | Lemförder 36120 01 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)                        | 768 mm  | 26 mm  | 38 mm  | <b>9073 330 401</b> | Lemförder 33304 01 |
| <b>Setra</b> S 415 NF                                            |         |        |        |                     |                    |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122)             | 753 mm  | 30 mm  | 42 mm  | <b>9072 402 601</b> | Lemförder 24026 01 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122)             | 300 mm  | 30 mm  | 38 mm  | <b>9070 021 437</b> | Lemförder 21437 01 |
| <b>Solaris</b> Urbino III                                        | 738 mm  | 30 mm  | 38 mm  | <b>9073 522 080</b> | Lemförder 31723 01 |
| <b>Solaris</b> Urbino III                                        | 707 mm  | 26 mm  | 38 mm  | <b>9073 500 110</b> | Lemförder 31753 01 |
| <b>Volvo</b> B13R                                                | 1573 mm |        | 42 mm  | <b>9070 589 810</b> | Lemförder 36102 01 |
| <b>Volvo</b> B7R, B9R, B12B                                      | 1688 mm |        | 42 mm  | <b>9071 779 389</b> | Lemförder 33299 01 |


**LEMFÖRDER**

## Steering Track Rod

Installation location front axle  
 Installation side centre  
 Version guide rod, not adjustable  
 Length 506 mm  
 Cone-Ø 30 mm  
 Pipe Ø 30 mm  
 Thread M24 x 1,5  
 Threadtype left-hand / right-hand thread

**Scope of supply**  
with accessories

| suitable for                                  | Order no.           | Comparative no.    |
|-----------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 404, Turismo I (O 350) | <b>9079 006 390</b> | Lemförder 18427 01 |



This figure corresponds to 9079 915 001



### Steering Track Rod

|                       |                       |
|-----------------------|-----------------------|
| Installation location | rear axle             |
| Version               | guide rod, adjustable |
| Length                | 498 mm                |
| Cone-Ø                | 30 mm                 |
| Thread                | M30 x 1,6             |

**Scope of supply**  
with accessories

| suitable for                                                           | Installation side | Order no.           | Comparative no.    |
|------------------------------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Travego II<br><b>Setra</b> S 417 HDH, S 417 GT-HD | left              | <b>9079 915 001</b> | Lemförder 36150 01 |
| <b>Mercedes-Benz</b> Travego II<br><b>Setra</b> S 417 HDH, S 417 GT-HD | right             | <b>9053 900 607</b> | Lemförder 36151 01 |



This figure corresponds to 9079 006 380

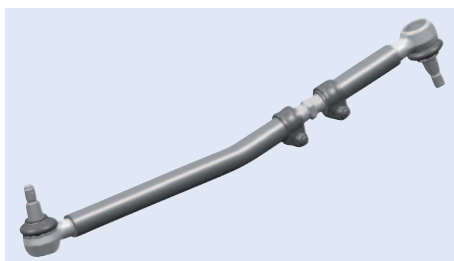


### Steering Track Rod

|                       |                                     |
|-----------------------|-------------------------------------|
| Installation location | front axle                          |
| Installation side     | left/right                          |
| Version               | guide rod, adjustable on both sides |
| Cone-Ø                | 30 mm                               |

**Scope of supply**  
with accessories

| suitable for                                                                                                                                                                                            | Length | Pipe Ø | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I/II (O 560),<br>Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 415/416/417 HDH,<br>S 415/416/417 GT-HD, S 415/417/419 UL | 880 mm | 38 mm  | <b>9070 027 674</b> | Lemförder 27674 01 |
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350)                                                                                                                                                          | 697 mm | 32 mm  | <b>9079 006 380</b> | Lemförder 13550 01 |



This figure corresponds to 2127 009 305



### Steering Track Rod

Version guide rod, adjustable

**Scope of supply**  
with accessories

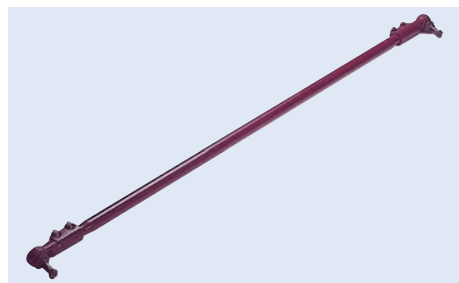
| suitable for                                            | Length | Cone-Ø  | Pipe Ø | Order no.           | Comparative no.    |
|---------------------------------------------------------|--------|---------|--------|---------------------|--------------------|
| <b>Neoplan</b> Skyliner (2011-),<br>Trendliner (N 3516) | 429 mm | 30 mm   | 36 mm  | <b>9077 116 942</b> | Lemförder 36146 01 |
| <b>Volvo</b> B7L, B12, B12B                             | 743 mm | 28,6 mm | 40 mm  | <b>2127 009 305</b> | Lemförder 21272 01 |



## Steering Track Rod

Version adjustable  
 Length 572 mm  
 Cone-Ø 30 mm  
 Pipe Ø 38 mm

| suitable for              | Order no.           | Comparative no. |
|---------------------------|---------------------|-----------------|
| <b>Solaris</b> Urbino III | <b>1361 213 520</b> | ZF 0501 213 520 |



## Steering Track Rod

Scope of supply  
 with accessories

This figure corresponds to 9073 005 000

| suitable for                                                                                                             | Length  | Cone-Ø  | Pipe Ø | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------|---------|---------|--------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78),<br>NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | 1702 mm | 30 mm   | 50 mm  | <b>9079 003 408</b> | TRW JTR4245     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78),<br>NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX)               | 1358 mm | 30 mm   | 52 mm  | <b>9079 003 410</b> | TRW JTR4228     |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Skyliner (2011-), Tourliner (N 2216)                                 | 661 mm  | 30 mm   | 36 mm  | <b>9077 116 905</b> | TRW JTR4400     |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Tourliner (N 2216)                                                   | 413 mm  | 30 mm   | 36 mm  | <b>9079 993 019</b> | TRW JTR4252     |
| <b>MAN</b> Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX), Trendliner (N 3516)       | 429 mm  | 30 mm   | 40 mm  | <b>1903 424 200</b> | TRW JTR4242     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)                                                                 | 1733 mm | 26 mm   | 62 mm  | <b>9468 330 010</b> | TRW JTR0096     |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N                                                                          | 1705 mm | 26 mm   | 40 mm  | <b>9460 110 786</b> | TRW JTR3589     |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                               | 1734 mm | 26 mm   | 40 mm  | <b>9073 005 000</b> | TRW JTR3563     |
| <b>Setra</b> S 431 DT                                                                                                    | 534 mm  | 30 mm   | 40 mm  | <b>9053 319 970</b> | TRW JTR0199     |
| <b>Volvo</b> B10B, B10M                                                                                                  | 1674 mm | 28,6 mm | 42 mm  | <b>9078 156 585</b> | TRW JTR3585     |
| <b>Volvo</b> B9R                                                                                                         | 1710 mm | 28,6 mm | 42 mm  | <b>9073 320 932</b> | TRW JTR0200     |

*Problems undoing tight track rods? You'll find an adjustable wrench on page 660.*

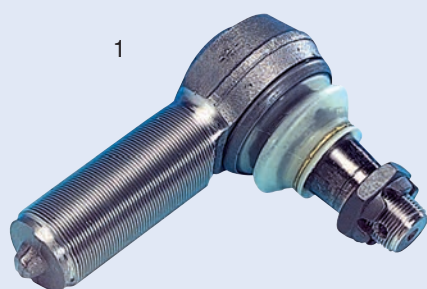




### Screw for tracking adjustment

Inner thread M30 x 1,5  
Outer thread M38 x 1.5

| suitable for                                                                                                                                                                                               | Order no.           | Comparative no. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Heuliez</b> GX 127, 327, 427<br><b>Irisbus</b> Agora, Arway LE, Citelis,<br>Crossway LE, Iliade<br><b>MAN</b> NL (A10/A15)<br><b>Solaris</b> Urbino III, Trollino<br><b>VDL</b> Bova Futura, Bova Magiq | <b>9990 000 906</b> | TRW JSA5001     |



### Ball joint for steering rod

Installation location front axle  
Cone-Ø 28,6 mm  
Threadtype right-hand thread

| suitable for                                                          | Length | Outer thread | Fig. | Order no.           |
|-----------------------------------------------------------------------|--------|--------------|------|---------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 417 GT-HD | 141 mm | M28 x 1.5    | 1    | <b>9070 900 053</b> |
| <b>Volvo</b> B13R                                                     | 115 mm | M30 x 1.5    | 2    | <b>9079 927 623</b> |



(Illustration similar)



### Ball joint for drag link

Installation location intermediate lever to front axle  
Length 168 mm  
Cone-Ø 30 mm  
Inner thread M52 x 1,5  
Threadtype right-hand thread

| suitable for                                                                | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N | <b>9079 018 990</b> | Lemförder 23167 01 |



(Illustration similar)



### Ball joint for drag link

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Installation side     | right             |
| Length                | 120 mm            |
| Cone-Ø                | 30 mm             |
| Thread                | M24 x 1,5         |
| Threadtype            | right-hand thread |

**Scope of supply**  
with accessories

| suitable for                                                                                                          | Order no.           | Comparative no. |
|-----------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Fast</b> Scoler III                                                                                                | <b>9073 305 200</b> | TRW JTE4001     |
| <b>Irisbus</b> Arès, Axer, Evadys, Iliade, Récréo                                                                     |                     |                 |
| <b>Iveco</b> CityClass                                                                                                |                     |                 |
| <b>MAN</b> Lion's City (A21/A37), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), NL (A10), NÜ (A20)               |                     |                 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Conecto I (O 345), Integro II (O 550),<br>Intouro II, Turismo II           |                     |                 |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122),<br>Tourliner (N 2216), Trendliner (N3516) |                     |                 |
| <b>Scania</b> K94/114/124/360/380                                                                                     |                     |                 |
| <b>Setra</b> S 415 HD, S 416/417 HDH, S 416/417 GT-HD, S 415 NF, S 415/417/419 UL                                     |                     |                 |
| <b>Solaris</b> Urbino III                                                                                             |                     |                 |
| <b>VDL</b> Bova Futura                                                                                                |                     |                 |

### Ball joint for drag link

|              |                   |
|--------------|-------------------|
| Length       | 141 mm            |
| Cone-Ø       | 30 mm             |
| Outer thread | M30 x 1.5         |
| Threadtype   | right-hand thread |

**Scope of supply**  
with accessories

| suitable for                                                                                       | Order no.           |
|----------------------------------------------------------------------------------------------------|---------------------|
| <b>Heuliez</b> GX 427                                                                              | <b>1325 363 104</b> |
| <b>Irisbus</b> Arway, Citelis                                                                      |                     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Classic Ü (A72), Lion's Coach (R08), NL (A21) |                     |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                |                     |
| <b>Scania</b> K94/114/124/360/380                                                                  |                     |
| <b>Solaris</b> Urbino III, Trollino                                                                |                     |
| <b>VDL</b> Bova Futura, Bova Magiq                                                                 |                     |



### Ball joint for drag link/track rod

|                       |                     |
|-----------------------|---------------------|
| Installation location | front axle          |
| Installation side     | left/right          |
| Length                | 120 mm              |
| Cone-Ø                | 30 mm               |
| Outer thread          | M24 x 1.5/M30 x 1.5 |

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Threadtype        | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>Fast</b> Scoler III<br><b>Heuliez</b> GX 317<br><b>Irisbus</b> Arès, Arway, Axer, Citelis, Eurorider, Evadys, Iliade, Récréo<br><b>Iveco</b> CityClass<br><b>MAN</b> Lion's City (A21/A37), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NL (A10), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Integro II (O 550), Intouro I/II (O 560), O 405 N, Tourismo I/II (O 350), Travego I (O 580)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Scania</b> K94/114/124/360/380<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 416/417 GT-HD, S 415/417/419 UL<br><b>Solaris</b> Urbino III<br><b>VDL</b> Bova Futura, Bova Magiq | right-hand thread | <b>9070 900 117</b> |
| <b>Irisbus</b> Axer, Arway, Citelis, Récréo<br><b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13), NL (A10), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro II/C2 (O 530), Conecto I (O 345), Integro II (O 550), Intouro I/II (O 560), O 405 N, Tourismo I/II (O 350), Travego I/II (O 580)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Scania</b> L94<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315/319 NF, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/419 UL<br><b>Solaris</b> Urbino III<br><b>VDL</b> Bova Magiq                                                                                                                                                                                                                        | left-hand thread  | <b>9070 900 123</b> |



(Illustration similar)



### Ball joint for drag link/track rod

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Outer thread          | M30 x 1.5         |
| Threadtype            | right-hand thread |

| suitable for                                                                                                                                                                                                                                                                                                                                                                                 | Length | Cone-Ø | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|---------------------|
| <b>Heuliez</b> GX 117, 127, 317, 427<br><b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Evadys, Iliade, Magelys, Récréo<br><b>MAN</b> Lion's Classic Ü (A72), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), O 405 N, O 407, O 408, Tourino (O 510)<br><b>Setra</b> S 415 NF<br><b>Solaris</b> Urbino III<br><b>Scania</b> K94/114/124/360, L94 | 115 mm | 26 mm  | <b>9070 900 003</b> |
| <b>Scania</b> K94/114/124/360, L94                                                                                                                                                                                                                                                                                                                                                           | 150 mm | 30 mm  | <b>9070 900 099</b> |



(Illustration similar)



### Ball joint for drag link/track rod

|                       |                  |
|-----------------------|------------------|
| Installation location | front axle       |
| Installation side     | left             |
| Length                | 115 mm           |
| Cone-Ø                | 26 mm            |
| Outer thread          | M30 x 1.5        |
| Threadtype            | left-hand thread |

#### suitable for

**Irisbus** Arès, Arway, Axer, Evadys, Iliade, Magelys, Récréo  
**Mercedes-Benz** Citaro I/II/C2 (O 530), Conecto I (O 345), O 405 N, Tourino (O 510)  
**Setra** S 415 NF  
**Solaris** Urbino III

#### Order no.

9070 900 005

6

Axle and steering parts



(Illustration similar)



### Ball joint for drag link/track rod

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Length                | 95 mm             |
| Cone-Ø                | 18 mm             |
| Outer thread          | M22 x 1.5         |
| Threadtype            | right-hand thread |

#### suitable for

**Mercedes-Benz** Citaro II (O 530)

#### Order no.

9070 900 118



### Ball joint for drag link/track rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Length                | 150 mm     |
| Cone-Ø                | 26 mm      |
| Inner thread          | M35 x 1,5  |
| Outer thread          | M35 x 1.5  |

#### suitable for

**Mercedes-Benz** Conecto I (O 345), O 405 N, O 407, O 408, Tourismo I (O 350)  
**Mercedes-Benz** Conecto I (O 345), O 405 N, O 407, O 408, Tourismo I (O 350)

#### Threadtype

right-hand thread  
 left-hand thread

#### Order no.

9070 900 025  
 9070 900 024



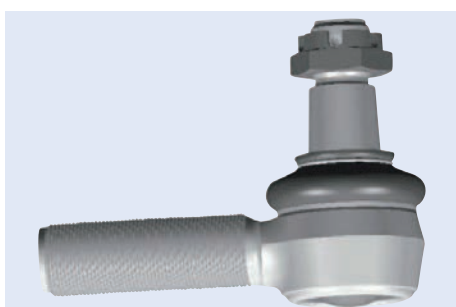
(Illustration similar)



### Ball joint for drag link/track rod

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Length                | 95 mm             |
| Cone-Ø                | 20 mm             |
| Outer thread          | M24 x 1.5         |
| Threadtype            | right-hand thread |

| suitable for | Order no.    |
|--------------|--------------|
| Volvo B10B   | 9070 900 012 |



### Ball joint for drag link/track rod

|              |                   |
|--------------|-------------------|
| Length       | 141 mm            |
| Cone-Ø       | 30 mm             |
| Outer thread | M30 x 1.5         |
| Threadtype   | right-hand thread |

**Scope of supply**  
with accessories

| suitable for                                                                                   | Order no.    | Comparative no.    |
|------------------------------------------------------------------------------------------------|--------------|--------------------|
| Heuliez GX 427                                                                                 | 9079 991 567 | Lemförder 25353 01 |
| Irisbus Arway, Citelis                                                                         |              |                    |
| MAN Lion's City (A20/A21/A23/A37/A78), Lion's Classic Ü (A72),<br>Lion's Coach (R08), NL (A21) |              |                    |
| Neoplan Centroliner (N 45XX)                                                                   |              |                    |
| Scania K94/114/124/360/380                                                                     |              |                    |
| Solaris Urbino III, Trollino                                                                   |              |                    |
| VDL Bova Futura, Bova Magiq                                                                    |              |                    |



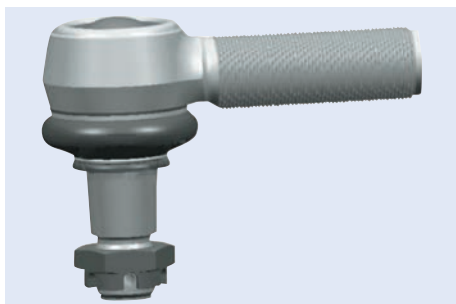
### Ball joint for drag link/track rod

|            |                   |
|------------|-------------------|
| Length     | 86 mm             |
| Cone-Ø     | 38 mm             |
| Thread     | M36 x 1,5         |
| Threadtype | right-hand thread |

**Scope of supply**  
with accessories

| suitable for           | Order no.    | Comparative no.    |
|------------------------|--------------|--------------------|
| MAN EL, ND, NG, NL, NM | 9050 075 601 | Lemförder 30756 01 |




**LEMFÖRDER** 

### Ball joint for drag link/track rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | right      |
| Length                | 141 mm     |
| Cone-Ø                | 26 mm      |
| Thread                | M30 x 1,5  |

**Scope of supply**  
with accessories

| suitable for                         | Order no.    | Comparative no.    |
|--------------------------------------|--------------|--------------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 9070 000 103 | Lemförder 23763 01 |

6

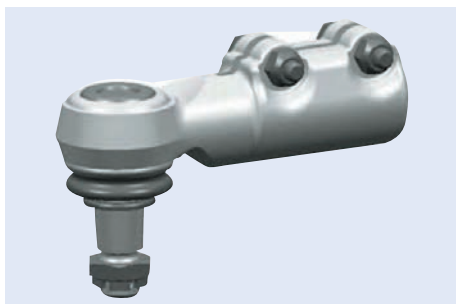
Axle and steering parts


**LEMFÖRDER** 

### Ball joint for drag link/track rod

This figure corresponds to 5233 016 271

| suitable for                                                                                               | Length | Cone-Ø  | Outer thread | Order no.    | Comparative no.    |
|------------------------------------------------------------------------------------------------------------|--------|---------|--------------|--------------|--------------------|
| MAN Lion's City (A20/A21/A23/A37/A47/A78),<br>NG (A23), NL (A21), NÜ (A20)<br>Neoplan Centroliner (N 45XX) | 145 mm | 30 mm   | M30 x 1.5    | 5233 016 271 | Lemförder 27853 01 |
| Volvo B10B, B10M, B12                                                                                      | 120 mm | 31,5 mm | M30 x 1.5    | 9050 001 341 | Lemförder 11944 01 |
| Volvo B12B, B12R                                                                                           | 158 mm | 42 mm   | M85 x 1,5    | 9050 207 325 | Lemförder 29548 01 |
| Volvo B7R, B12B                                                                                            | 141 mm | 28,6 mm | M30 x 1.5    | 9079 991 566 | Lemförder 27547 02 |


**LEMFÖRDER** 

### Ball joint for drag link/track rod

|                       |                  |
|-----------------------|------------------|
| Installation location | front axle       |
| Length                | 150 mm           |
| Cone-Ø                | 26 mm            |
| Inner thread          | M35 x 1,5        |
| Threadtype            | left-hand thread |

**Scope of supply**  
with accessories

| suitable for                                              | Order no.    | Comparative no.    |
|-----------------------------------------------------------|--------------|--------------------|
| Mercedes-Benz Conecto I (O 345),<br>O 405 N, O 407, O 408 | 9050 001 063 | Lemförder 30905 01 |



(Illustration similar)



### Ball joint for steering track rod

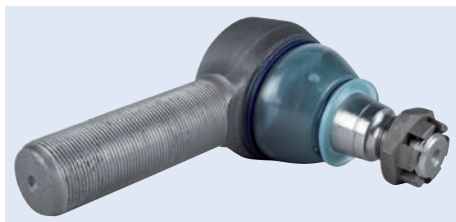
|                       |                  |
|-----------------------|------------------|
| Installation location | front axle       |
| Installation side     | left             |
| Length                | 120 mm           |
| Cone-Ø                | 28,6 mm          |
| Outer thread          | M30 x 1.5        |
| Threadtype            | left-hand thread |

#### suitable for

Heuliez GX 217  
Volvo B7R, B7R LE, B9R, B10B, B10M, B12B, B12R, B13R

#### Order no.

9079 029 390



### Ball joint for track rod

|                       |                   |
|-----------------------|-------------------|
| Installation location | rear/leading axle |
| Length                | 120 mm            |
| Cone-Ø                | 28,6 mm           |
| Outer thread          | M30 x 1.5         |
| Threadtype            | Right-hand thread |

#### Scope of supply with accessories

#### suitable for

Heuliez GX 217  
Volvo B7L, B7R, B9R, B9TL, B10B, B10M, B12B, B12R, B13R

#### Order no.

9070 311 946



### Ball joint for track rod

|            |                   |
|------------|-------------------|
| Length     | 75 mm             |
| Cone-Ø     | 30 mm             |
| Thread     | M26 x 1,5         |
| Threadtype | right-hand thread |

#### suitable for

Irisbus Arès  
Mercedes-Benz Tourismo II  
Scania F/K/N  
Setra S 416/417 HDH, S 417 GT-HD, S 419 UL

#### Order no.

9070 000 114



(Illustration similar)



### Ball joint for track rod

|                       |                     |
|-----------------------|---------------------|
| Installation location | front axle          |
| Length                | 120 mm              |
| Cone-Ø                | 32 mm               |
| Outer thread          | M27 x 1.5/M30 x 1.5 |
| Threadtype            | right-hand thread   |

#### suitable for

Setra S 315/319 NF, S 431 DT

#### Order no.

9070 900 015



### Ball joint for track rod

|                       |                      |
|-----------------------|----------------------|
| Installation location | at steering cylinder |
| Length                | 90 mm                |
| Cone-Ø                | 30 mm                |
| Inner thread          | M26 x 1,5            |
| Threadtype            | right-hand thread    |

#### Scope of supply with accessories

#### suitable for

MAN Lion's City (A26/A39)

Mercedes-Benz Integro II (O 550), Tourismo I (O 350), Traveo I (O 580)

Setra S 415/417 HDH, S 431 DT, S 416/417/419 GT-HD, S 417/419 UL

#### Order no.

9073 377 101

#### Comparative no.

Lemförder 33771 01



### Ball joint for track rod

|            |                   |
|------------|-------------------|
| Length     | 145 mm            |
| Cone-Ø     | 26 mm             |
| Thread     | M30 x 1,5         |
| Threadtype | right-hand thread |

#### Scope of supply with accessories

#### suitable for

Mercedes-Benz Citaro I (O 530)

#### Order no.

9070 032 016

#### Comparative no.

Lemförder 32016 01


**LEMFÖRDER**

### Ball joint for track rod

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Length                | 150 mm            |
| Cone-Ø                | 26 mm             |
| Inner thread          | M35 x 1,5         |
| Threadtype            | right-hand thread |

**Scope of supply**  
with accessories

| suitable for                                       | Order no.           | Comparative no.    |
|----------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>O 405 N | <b>9050 001 005</b> | Lemförder 30904 01 |


**LEMFÖRDER**

### Ball joint for track rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Length                | 120 mm     |
| Cone-Ø                | 30 mm      |
| Outer thread          | M24 x 1,5  |

(Illustration similar)

| suitable for                                   | Installation side | Threadtype        | Order no.           | Comparative no.    |
|------------------------------------------------|-------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350) | left              | left-hand thread  | <b>9079 005 030</b> | Lemförder 21297 01 |
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350) | right             | right-hand thread | <b>9079 005 020</b> | Lemförder 21296 01 |

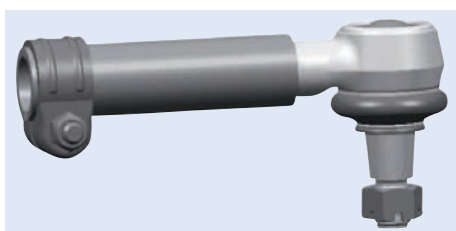

**LEMFÖRDER**

### Ball joint for track rod

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Length                | 190 mm            |
| Cone-Ø                | 28,6 mm           |
| Thread                | M30 x 1,5         |
| Threadtype            | right-hand thread |

**Scope of supply**  
with accessories

| suitable for           | Order no.           | Comparative no.    |
|------------------------|---------------------|--------------------|
| <b>Volvo</b> B5LH, B9L | <b>9072 151 072</b> | Lemförder 37104 01 |


**LEMFÖRDER**

### Ball joint

|        |         |
|--------|---------|
| Length | 206 mm  |
| Cone-Ø | 28,6 mm |
| Pipe Ø | 40 mm   |

**Scope of supply**  
with accessories

| suitable for      | Order no.           | Comparative no.    |
|-------------------|---------------------|--------------------|
| <b>Volvo</b> B12B | <b>9072 504 701</b> | Lemförder 25047 01 |



### Ball joint for track rod

Model PROEQUIP  
Outer thread M30 x 1.5  
Threadtype right-hand thread

**Scope of supply**  
with accessories

(Illustration similar)

| suitable for                                                                                                           | Length | Cone-Ø  | Order no.           | Comparative no. |
|------------------------------------------------------------------------------------------------------------------------|--------|---------|---------------------|-----------------|
| <b>Heuliez</b> GX 117, 127, 317, 427<br><b>Irisbus</b> Agora, Citelis<br><b>Mercedes-Benz</b> Citaro C2 (O 530), O 408 | 115 mm | 26 mm   | <b>9070 050 000</b> | TRW JTE3501     |
| <b>Heuliez</b> GX 217                                                                                                  | 120 mm | 28,6 mm | <b>9073 004 713</b> | TRW JTE4022     |
| <b>Irisbus</b> Arès, Iliade                                                                                            | 157 mm | 30 mm   | <b>9070 004 054</b> | TRW JTE4054     |
| <b>Iveco</b> CityClass                                                                                                 | 139 mm | 30 mm   | <b>2590 136 031</b> | TRW JTE4043     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                      | 157 mm | 30 mm   | <b>9070 407 600</b> | TRW JTE4076     |
| <b>MAN</b> NG, NL                                                                                                      | 117 mm | 26 mm   | <b>9070 352 700</b> | TRW JTE3527     |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo II<br><b>Setra</b> S 315 UL, S 415 GT-HD, S 415/419 UL               | 125 mm | 30 mm   | <b>9070 460 075</b> | TRW JTE0155     |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 315 UL, S 415 GT-HD, S 415/417/419 UL                               | 125 mm | 30 mm   | <b>9070 460 074</b> | TRW JTE0154     |



### Ball joint for track rod

Model PROEQUIP  
Outer thread M30 x 1.5  
Threadtype left-hand thread

**Scope of supply**  
with accessories

(Illustration similar)

| suitable for          | Length | Cone-Ø  | Order no.           | Comparative no. |
|-----------------------|--------|---------|---------------------|-----------------|
| <b>Heuliez</b> GX 217 | 120 mm | 28,6 mm | <b>9073 004 712</b> | TRW JTE4023     |
| <b>Irisbus</b> Iliade | 157 mm | 30 mm   | <b>9070 004 031</b> | TRW JTE4031     |



### Ball joint for track rod

Model PROEQUIP X-Cap  
Length 140 mm  
Cone-Ø 30 mm  
Outer thread M30 x 1,5/M24 x 1,5  
Threadtype right-hand thread

| suitable for       | Order no.           | Comparative no. |
|--------------------|---------------------|-----------------|
| <b>Scania</b> K360 | <b>9052 051 041</b> | TRW JTE4079     |



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### Ball joint for track rod

|              |                     |
|--------------|---------------------|
| Model        | PROEQUIP X-Cap      |
| Length       | 122 mm              |
| Cone-Ø       | 30 mm               |
| Outer thread | M30 x 1,5/M24 x 1,5 |

This figure corresponds to 9071 914 427

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                    | Threadtype        | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------------|
| <b>Irisbus</b> Arès, Arway, Citelis<br><b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, EL, ND, NG, NL, NM, SÜ, ÜL<br><b>Mercedes-Benz</b> Integro I (O 550), Intouro I (O 560), O 405, Tourismo I (O 350), Travego I (O 580)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX)<br><b>Setra</b> S 411 HD, S 431 DT<br><b>Solaris</b> Urbino III<br><b>VDL</b> Bova Futura, Bova Magiq | right-hand thread | <b>9071 914 427</b> | TRW JTE4078     |
| <b>Irisbus</b> Arès, Arway, Citelis<br><b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, EL, ND, NG, NL, NM, SÜ, ÜL<br><b>Mercedes-Benz</b> Integro I (O 550), Intouro I (O 560), O 405, Tourismo I (O 350), Travego I (O 580)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX)<br><b>Setra</b> S 411 HD, S 431 DT<br><b>Solaris</b> Urbino III<br><b>VDL</b> Bova Futura, Bova Magiq | left-hand thread  | <b>9071 914 426</b> | TRW JTE4080     |



### Ball joint for track rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Length                | 150 mm     |
| Cone-Ø                | 26 mm      |
| Outer Ø               | 23,4 mm    |
| Inner thread          | M35 x 1,5  |
| Outer thread          | M20 x 1,5  |
| Thread length         | 25 mm      |

This figure corresponds to 9070 090 000

### Scope of supply with accessories

| suitable for                                                  | Installation side | Threadtype        | Order no.           | Comparative no. |
|---------------------------------------------------------------|-------------------|-------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408 | left              | left-hand thread  | <b>9070 080 000</b> | TRW JTE3505     |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408 | right             | right-hand thread | <b>9070 090 000</b> | TRW JTE3504     |



### Ball joint for steering track rod

Installation location front axle  
Threadtype right-hand thread

**Scope of supply**  
with accessories

This figure corresponds to 3250 053 156

| suitable for                     | Length | Cone-Ø  | Outer thread        | Order no.           |
|----------------------------------|--------|---------|---------------------|---------------------|
| <b>Volvo</b> B7R, B9R            | 120 mm | 28,6 mm | M38 x 1,5/M30 x 1,5 | <b>6170 253 018</b> |
| <b>Volvo</b> B7R, B9R, B12, B12B | 141 mm | 28,6 mm | M30 x 1,5/M20 x 1,5 | <b>3250 053 156</b> |



**LEMFÖRDER** 

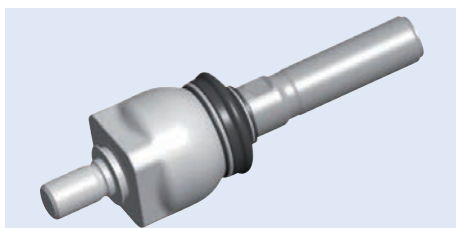
### Axle joint for track rod

Installation location at steering cylinder  
Version adjustable

**Scope of supply**  
with accessories

This figure corresponds to 9077 116 890

| suitable for                                                                              | Length | Cone-Ø | Pipe Ø | Order no.           | Comparative no.    |
|-------------------------------------------------------------------------------------------|--------|--------|--------|---------------------|--------------------|
| <b>MAN</b> Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX) | 513 mm | 30 mm  | 38 mm  | <b>9077 116 890</b> | Lemförder 36144 01 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                    | 600 mm | 26 mm  | 50 mm  | <b>9054 600 505</b> | Lemförder 36126 01 |



**LEMFÖRDER** 

### Axle joint for track rod

Installation location front axle, transmission side  
Installation side left/right  
Length 150 mm  
Thread M28 x 1,5/M22 x 1,5  
Threadtype right-hand thread

| suitable for                           | Order no.           | Comparative no.    |
|----------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530) | <b>9052 299 501</b> | Lemförder 22995 01 |

*You'll find a laser wheel alignment unit on page 628.*



(Illustration similar)

**Steering damper**

|                       |                    |
|-----------------------|--------------------|
| Installation location | air-suspended axle |
| Version               | twin-tube system   |
| Fastening             | Eye/eye            |
| Type                  | T45 X 320          |
| Length                | 560 mm             |

| suitable for                                                                       | Order no.           |
|------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530),<br>Conecto I (O 345), O 405 N, O 407, O 408 | <b>9200 000 525</b> |

**Steering damper**

|           |                                |
|-----------|--------------------------------|
| Model     | Super Touring                  |
| Parameter | T50X150                        |
| Version   | oil pressure, twin-tube system |
| Fastening | Eye/eye                        |

| suitable for                           | Order no.           | Comparative no. |
|----------------------------------------|---------------------|-----------------|
| <b>Setra</b> S 315/317 HDH/3, S 328 DT | <b>9201 312 650</b> | Sachs 131 265   |

**Steering damper**

| suitable for            | Order no.           | Comparative no. |
|-------------------------|---------------------|-----------------|
| <b>Volvo</b> B10B, B10M | <b>9588 781 611</b> | Koni 88 1611    |

**Steering damper**

| suitable for                                                                              | Order no.           |
|-------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A37/A47), NG (A23)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>5237 016 935</b> |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)                                                 | <b>9279 102 583</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                   | <b>9208 529 880</b> |

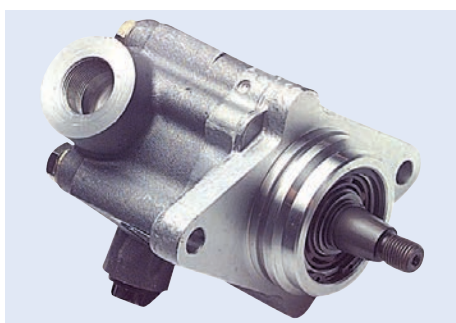
This figure corresponds to 5237 016 935



(Illustration similar)

**Power-steering pump**

| suitable for                               | Order no.           | Comparative no. |
|--------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | <b>9074 203 110</b> | LuK 542 0031 10 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)    | <b>9072 005 010</b> | LuK 542 0050 10 |

**Power-steering pump**

|                        |                    |
|------------------------|--------------------|
| Rate of delivery       | 22 dm <sup>3</sup> |
| Distance between holes | 118 mm             |

| suitable for       | Order no.           | Comparative no. |
|--------------------|---------------------|-----------------|
| <b>Scania</b> K360 | <b>9074 202 100</b> | LuK 542 0012 10 |

**Power-steering pump**

| suitable for     | Order no.           | Comparative no. |
|------------------|---------------------|-----------------|
| <b>Volvo</b> B12 | <b>9074 203 710</b> | LuK 542 0037 10 |

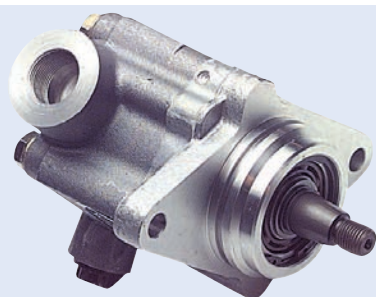
**Power-steering pump**

in exchange

Version hydraulic

(Illustration similar)

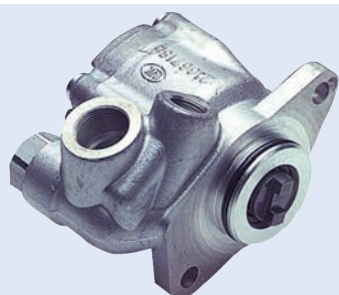
| suitable for                                                 | Connection | Order no.           | Comparative no. |
|--------------------------------------------------------------|------------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Classic Ü (A72) | right      | <b>9074 202 310</b> | LuK 542 0066 10 |
| <b>Mercedes-Benz</b> Tourino (O 510)                         | left       | <b>9074 204 210</b> | LuK 542 0042 10 |



### Power-steering pump

Rate of delivery 16 dm<sup>3</sup>(2)  
Distance between holes 134 mm

| suitable for                | Order no.    | Comparative no.   |
|-----------------------------|--------------|-------------------|
| Scania K94/114/124/380, L94 | 9074 201 310 | Meritor TT2101006 |



### Power-steering pump

Pressure 180 bar

Scope of supply  
without pressure limiter

| suitable for                         | Order no.    | Comparative no.                |
|--------------------------------------|--------------|--------------------------------|
| MAN EL (A12), NG (A11), NL (A10/A15) | 9850 065 035 | ZF 8001 489<br>ZF 7685 955 359 |



### Power-steering pump

Pressure 150 bar

| suitable for                                    | Order no.    | Comparative no.                |
|-------------------------------------------------|--------------|--------------------------------|
| Mercedes-Benz Citaro I (O 530),<br>Cito (O 520) | 9464 608 580 | ZF 8001 492<br>ZF 7685 955 247 |



### Power-steering pump

Version vane-type pump, anti-clockwise direction of rotation  
Pressure 150/185 bar  
Connection left  
Number of holes 2  
Bore hole  $\varnothing$  11 mm  
Thread M16 x 1,5/M18 x 1,5  
Hole circle  $\varnothing$  104 mm

| suitable for                                                               | Order no.    | Comparative no.                |
|----------------------------------------------------------------------------|--------------|--------------------------------|
| Mercedes-Benz Citaro I/II (O 530),<br>Conecto I (O 345), Turismo I (O 350) | 5364 603 580 | ZF 8001 879<br>ZF 7685 955 249 |





### Power-steering pump

|               |                                                              |
|---------------|--------------------------------------------------------------|
| Version       | tandem pump, gear pump, anti-clockwise direction of rotation |
| Pressure      | 180 bar                                                      |
| Connection    | bottom                                                       |
| Bore hole Ø   | 9,4 mm                                                       |
| Thread        | M26 x 1,5/M16 x 1,5                                          |
| Hole circle Ø | 103/2158/160,9 mm                                            |

#### Application range

for diesel fuel

#### Scope of supply

without pressure limiting valve

| suitable for         | Order no.    | Comparative no.                |
|----------------------|--------------|--------------------------------|
| Volvo B9L, B9R, B9TL | 5368 005 345 | ZF 8001 857<br>ZF 8694 474 519 |



### Power-steering pump in exchange

|               |                           |
|---------------|---------------------------|
| Version       | hydraulic, anti-clockwise |
| Pressure      | 150 bar                   |
| Connection    | left                      |
| Bore hole Ø   | 11 mm                     |
| Thread        | M26 x 1,5/M18 x 1,5       |
| Hole circle Ø | 104 mm                    |

from engine number F 3 A2 9647/F 3 B1 0144

Intake connection: 26 mm

Pressure connection: 18 mm

| suitable for                        | Order no.    | Comparative no. |
|-------------------------------------|--------------|-----------------|
| Irisbus Arway, Citelis, Crossway LE | 5360 000 113 | ZF 8001 113     |
| Iveco CityClass                     |              | ZF 8695 455 116 |



### Power-steering pump in exchange

|               |                           |
|---------------|---------------------------|
| Version       | hydraulic, anti-clockwise |
| Pressure      | 165 bar                   |
| Connection    | left                      |
| Bore hole Ø   | 11 mm                     |
| Thread        | M26 x 1,5/M18 x 1,5       |
| Hole circle Ø | 104 mm                    |

to engine number F 3 A2 9646

Intake connection: 26 mm

Pressure connection: 18 mm

| suitable for                      | Order no.    | Comparative no. |
|-----------------------------------|--------------|-----------------|
| Irisbus Eurorider, Magelys HD/Pro | 5360 001 884 | ZF 8001 884     |



### Power-steering pump in exchange

Version clockwise direction of rotation  
 Connection left  
 Bore hole Ø 11 mm  
 Thread M26 x 1,5/M18 x 1,5  
 Hole circle Ø 104 mm

Intake connection: 26 mm  
 Pressure connection: 18 mm

This figure corresponds to 9850 065 044

| suitable for                                                                                                                                                                                         | Pressure | Order no.           | Comparative no.                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|--------------------------------|
| <b>MAN</b> Lion's City (A20/A21), Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R12), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516) | 165 bar  | <b>9850 065 044</b> | ZF 8001 494<br>ZF 7686 955 122 |
| <b>MAN</b> Lion's City (A78)                                                                                                                                                                         | 180 bar  | <b>9850 065 021</b> | ZF 8001 487<br>ZF 7685 955 324 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 416/417 HDH                                                                                                                                 | 175 bar  | <b>5360 800 903</b> | ZF 8001 903<br>ZF 8697 955 105 |



### Power-steering pump in exchange

Pressure 130 bar  
 Connection left  
 Bore hole Ø 11 mm  
 Hole circle Ø 104 mm  
 Number of holes 2

| suitable for                      | Order no.           | Comparative no.                |
|-----------------------------------|---------------------|--------------------------------|
| <b>Mercedes-Benz</b> O 407, O 408 | <b>9464 605 480</b> | ZF 8001 875<br>ZF 7685 955 264 |



### Power-steering pump in exchange

Version hydraulic, anti-clockwise direction of rotation  
 Pressure 165 bar  
 Connection left  
 Bore hole Ø 11 mm  
 Hole Ø 104 mm

| suitable for                                                                                                                                                                                                                                                   | Order no.           | Comparative no.                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Intouro II, Tourino (O 510), Turismo II<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415 HD, S 415/417 HDH, S 415/417 GT-HD, S 415 NF, S 415/419 UL | <b>5360 001 493</b> | ZF 8001 493<br>ZF 7685 955 251 |



### Power-steering pump in exchange

Version anti-clockwise direction of rotation  
 Pressure 175 bar  
 Connection left  
 Bore hole  $\varnothing$  11 mm  
 Thread M16 x 1,5/M26 x 1,5  
 Hole circle  $\varnothing$  104 mm

Intake connection: 26 mm  
 Pressure connection: 18 mm

#### Scope of supply

without pressure limiting valve

| suitable for                                                                                                                    | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Tourismo II, Travego I/II (O 580)                                                                          | <b>5360 800 189</b> | ZF 8001 891     |
| <b>Setra</b> S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, S 415/417 HDH, S 416/417 GT-HD, S 417/419 UL |                     | ZF 7687 955 112 |



### Power-steering pump in exchange

Version clockwise direction of rotation  
 Pressure 175 bar  
 Connection left  
 Bore hole  $\varnothing$  11 mm  
 Thread M26 x 1,5/M18 x 1,5  
 Hole circle  $\varnothing$  52 mm

| suitable for          | Order no.           | Comparative no. |
|-----------------------|---------------------|-----------------|
| <b>Setra</b> S 411 HD | <b>5364 604 080</b> | ZF 8001 521     |
|                       |                     | ZF 8695 955 114 |



### Power-steering pump in exchange

Version vane-type pump, anti-clockwise direction of rotation  
 Pressure 150/160 bar  
 Connection right  
 Number of holes 2  
 Bore hole  $\varnothing$  10,5 mm  
 Thread M16 x 1,5/M26 x 1,5  
 Hole circle  $\varnothing$  120 mm

Intake connection: 26 mm  
 Pressure connection: 18 mm

#### Scope of supply

with 160 bar pressure limiting valve

| suitable for            | Order no.           | Comparative no. |
|-------------------------|---------------------|-----------------|
| <b>Volvo</b> B10B, B10M | <b>5361 089 419</b> | ZF 8001 861     |
|                         |                     | ZF 767 395 3368 |



### Power-steering pump in exchange

|               |                                 |
|---------------|---------------------------------|
| Version       | clockwise direction of rotation |
| Pressure      | 180 bar                         |
| Bore hole Ø   | 11 mm                           |
| Thread        | M26 x 1,5/M18 x 1,5             |
| Hole circle Ø | 120 mm                          |

| suitable for | Order no.    | Comparative no.                |
|--------------|--------------|--------------------------------|
| Volvo B12B   | 5364 596 625 | ZF 8002 257<br>ZF 7684 974 713 |

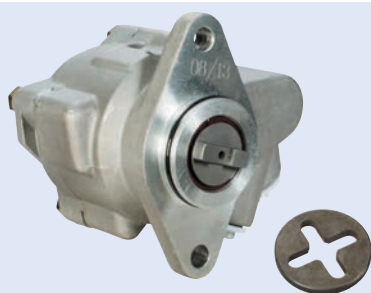
### Power-steering pump

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Version         | vane-type pump, clockwise direction of rotation |
| Pressure        | 180 bar                                         |
| Connection      | left                                            |
| Number of holes | 2                                               |
| Bore hole Ø     | 11 mm                                           |
| Thread          | M26 x 1,5/M18 x 1,5                             |
| Hole circle Ø   | 104 mm                                          |

#### Scope of supply

without pressure limiting valve

| suitable for          | Order no.    |
|-----------------------|--------------|
| MAN Lion's City (A78) | 5230 369 002 |



This figure corresponds to 9850 065 069

### Power-steering pump

|          |           |
|----------|-----------|
| Pressure | 180 bar   |
| Thread   | M26 x 1,5 |

| suitable for                                        | Order no.    |
|-----------------------------------------------------|--------------|
| MAN NL (A10)                                        | 9850 065 069 |
| Neoplan Cityliner (N 12XX), Skyliner (N 1122/2011-) |              |
| Scania K360                                         | 8000 012 769 |

### Power-steering pump

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Version         | vane-type pump, clockwise direction of rotation |
| Pressure        | 150 bar                                         |
| Connection      | right                                           |
| Number of holes | 2                                               |
| Bore hole Ø     | 10,5 mm                                         |
| Thread          | M26 x 1,5/M16 x 1,5                             |
| Hole circle Ø   | 120 mm                                          |

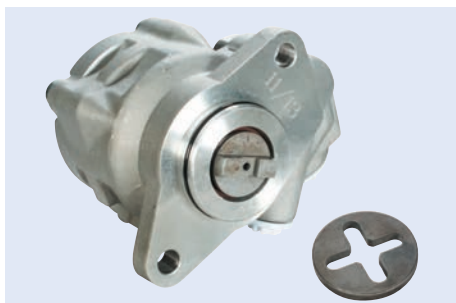
#### Scope of supply

without pressure limiting valve

| suitable for | Order no.    |
|--------------|--------------|
| Volvo B7R    | 6170 301 511 |

**Power-steering pump**

| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B10B   | 6175 954 301 | Volvo 1591014   |

**Power-steering pump in exchange**

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Version         | vane-type pump, anti-clockwise direction of rotation |
| Pressure        | 180 bar                                              |
| Connection      | left                                                 |
| Number of holes | 2                                                    |
| Bore hole Ø     | 11 mm                                                |
| Hole circle Ø   | 104 mm                                               |

**Scope of supply**

without pressure limiting valve

| suitable for                                                                                 | Order no.    |
|----------------------------------------------------------------------------------------------|--------------|
| <b>Irisbus</b> Citelis CNG                                                                   | 9074 202 210 |
| <b>MAN</b> Lion's City (A20/A21/A23), Lion's Coach (R07/R08), Lion's Regio (R12/R13)         |              |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Tourliner (N 2216), Trendliner (N 3516) |              |

6

Axle and steering parts

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### Trailing arm

|                        |                 |
|------------------------|-----------------|
| Installation location  | front axle, top |
| Length                 | 330 mm          |
| Pipe Ø                 | 36 mm           |
| Cone-Ø                 | 36 mm           |
| Version                | with cone       |
| Bore hole Ø            | 15/15 mm        |
| Distance between holes | 80/80 mm        |

#### suitable for

#### Order no.

**MAN** Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), ÜL  
**Neoplan** Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)

**9070 326 648**

6

Axle and steering parts



### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | front axle        |
| Length                 | 413 mm            |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15/15 mm          |
| Distance between holes | 80/80 mm          |

#### suitable for

#### Order no.

**MAN** Lion's City (A20/A21/A23/A37), NG (A23), NL (A21), NÜ (A20)  
**Neoplan** Centroliner (N 45XX)

**9070 001 004**



### Trailing arm

|                        |                |
|------------------------|----------------|
| Installation location  | rear axle, top |
| Installation side      | left/right     |
| Length                 | 570 mm         |
| Pipe Ø                 | 48 mm          |
| Version                | not adjustable |
| Bore hole Ø            | 19/19 mm       |
| Distance between holes | 130/130 mm     |

#### suitable for

#### Order no.

**MAN** Lion's City (A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), ÜL  
**Neoplan** Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)

**9070 323 668**





### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | rear axle, below  |
| Installation side      | left/right        |
| Length                 | 625 mm            |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 115/115 mm        |

#### suitable for

Volvo B6, B7R, B9R, B12B, B12M

#### Order no.

9070 334 680



### Trailing arm

|                        |            |
|------------------------|------------|
| Bore hole Ø            | 19/19 mm   |
| Distance between holes | 130/130 mm |

This figure corresponds to 9070 001 017

| suitable for                                                                      | Length | Pipe Ø | Order no.    |
|-----------------------------------------------------------------------------------|--------|--------|--------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), NG (A23), NL (A21), NÜ (A20)        | 614 mm | 48 mm  | 9070 007 101 |
| <b>Neoplan</b> Centroliner (N 45XX)                                               |        |        |              |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Travego I (O 580) | 664 mm | 46 mm  | 9070 001 017 |
| <b>Setra</b> S 417 HDH, S 431 DT, S 416/417 GT-HD, S 415 NF                       |        |        |              |



### Trailing arm

|                        |                |
|------------------------|----------------|
| Length                 | 585 mm         |
| Pipe Ø                 | 56 mm          |
| Version                | not adjustable |
| Bore hole Ø            | 17/17/60 mm    |
| Distance between holes | 130 mm         |

#### suitable for

Mercedes-Benz O 405, O 407, O 408

#### Order no.

9070 001 010



### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 628 mm            |
| Pipe Ø                 | 48 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130 mm            |

#### suitable for

#### Order no.

**Mercedes-Benz** Integro II (O 550), Intouro I/II (O 560), Tourismo II, Travego I/II (O 580)  
**Setra** S 315 UL, S 411/415 HD, S 416/417 HDH, S 415/416/417 GT-HD, S 415/417/419 UL

**9070 001 027**

6

Axle and steering parts

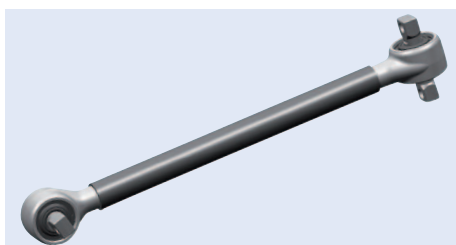


### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | front axle, top   |
| Length                 | 618 mm            |
| Pipe Ø                 | 42 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15/19 mm          |
| Distance between holes | 90/130 mm         |

This figure corresponds to 9079 991 546

| suitable for                                        | Installation side | Order no.           | Comparative no.    |
|-----------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520) | left              | <b>9079 991 546</b> | Lemförder 21467 01 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520) | right             | <b>9079 991 547</b> | Lemförder 21665 01 |



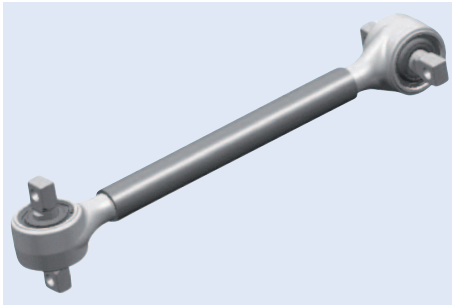
### Trailing arm

|                        |                    |
|------------------------|--------------------|
| Installation location  | front axle, bottom |
| Length                 | 659 mm             |
| Pipe Ø                 | 46 mm              |
| Version                | not adjustable     |
| Bearing version        | molecular bearing  |
| Bore hole Ø            | 17/17 mm           |
| Distance between holes | 115/115 mm         |

This figure corresponds to 9079 991 545

| suitable for                                        | Installation side | Order no.           | Comparative no.    |
|-----------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520) | left              | <b>9079 991 545</b> | Lemförder 21669 01 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520) | right             | <b>9079 991 544</b> | Lemförder 21668 01 |

You'll find a laser wheel alignment unit on page 628.

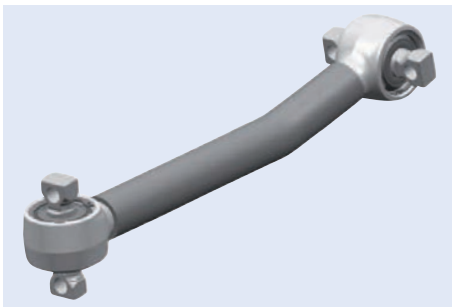


**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | front axle, top   |
| Installation side      | left/right        |
| Length                 | 625 mm            |
| Pipe Ø                 | 36 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15/15 mm          |
| Distance between holes | 90/90 mm          |

| suitable for                                       | Order no.           | Comparative no.    |
|----------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>O 405 N | <b>9079 991 469</b> | Lemförder 22978 01 |



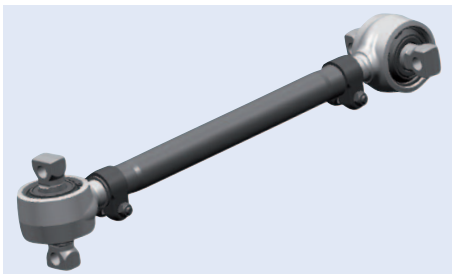
**LEMFÖRDER** 

### Trailing arm

|                       |                    |
|-----------------------|--------------------|
| Installation location | front axle, bottom |
| Version               | not adjustable     |
| Bearing version       | molecular bearing  |
| Bore hole Ø           | 17/17 mm           |

This figure corresponds to 9053 195 701

| suitable for                                     | Length | Distance between holes | Pipe Ø | Order no.           | Comparative no.    |
|--------------------------------------------------|--------|------------------------|--------|---------------------|--------------------|
| <b>Scania</b> Irizar PB                          | 599 mm | 130/130 mm             | 42 mm  | <b>9050 816 718</b> | Lemförder 31959 01 |
| <b>Volvo</b> B5LH, B9L, B9TL, B12B, B12B LE      |        |                        |        |                     |                    |
| <b>Volvo</b> B5LH, B7R, B9L, B9TL, B12B, B12B LE | 507 mm | 100/100 mm             | 48 mm  | <b>9053 195 701</b> | Lemförder 31957 01 |



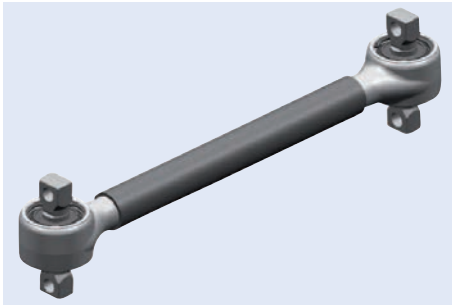
**LEMFÖRDER** 

### Trailing arm

|                        |                          |
|------------------------|--------------------------|
| Pipe Ø                 | 46 mm                    |
| Version                | adjustable on both sides |
| Bearing version        | molecular bearing        |
| Bore hole Ø            | 19/19 mm                 |
| Distance between holes | 130/130 mm               |

This figure corresponds to 9070 494 112

| suitable for                                                | Installation location    | Length | Order no.           | Comparative no.    |
|-------------------------------------------------------------|--------------------------|--------|---------------------|--------------------|
| <b>Heuliez</b> GX 427                                       | rear axle                | 440 mm | <b>9070 393 029</b> | Lemförder 33295 01 |
| <b>Irisbus</b> Access, Agora, Citelis, Citelis CNG, Crealis |                          |        |                     |                    |
| <b>Irisbus</b> Arès, Arway, Axer, Crossway LE, Récréo II    | front axle/<br>rear axle | 477 mm | <b>9070 494 112</b> | Lemförder 26808 01 |
| <b>Irisbus</b> Magelys HD                                   | rear axle                | 477 mm | <b>9074 314 718</b> | Lemförder 36116 01 |



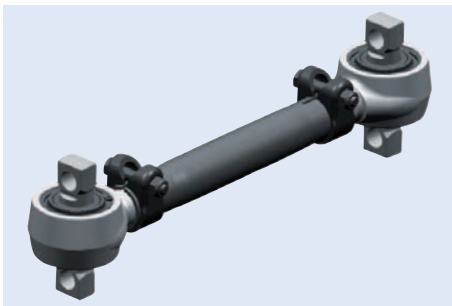
**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

This figure corresponds to 9070 494 111

| suitable for                                                                                                      | Installation location | Length | Order no.           | Comparative no.    |
|-------------------------------------------------------------------------------------------------------------------|-----------------------|--------|---------------------|--------------------|
| <b>Irisbus</b> Arès, Arway, Axer, Crossway LE, Magelys HD, Récréo II                                              | front axle/rear axle  | 562 mm | <b>9070 494 111</b> | Lemförder 26807 01 |
| <b>Irisbus</b> Domino, Eurorider<br><b>Scania</b> Irizar PB                                                       | rear axle             | 622 mm | <b>9074 837 119</b> | Lemförder 36109 01 |
| <b>Iveco</b> CityClass                                                                                            | rear axle             | 583 mm | <b>9075 003 068</b> | Lemförder 30686 01 |
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Tourliner (N 2216) | front axle/rear axle  | 470 mm | <b>9072 206 248</b> | Lemförder 31369 01 |



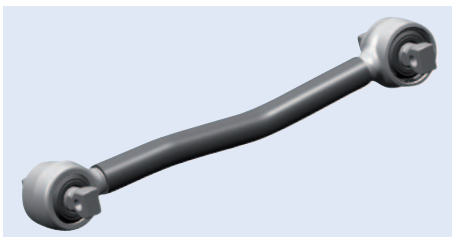
**LEMFÖRDER** 

### Trailing arm

|                        |                          |
|------------------------|--------------------------|
| Pipe Ø                 | 48 mm                    |
| Version                | adjustable on both sides |
| Bearing version        | molecular bearing        |
| Bore hole Ø            | 19/19 mm                 |
| Distance between holes | 130/130 mm               |

This figure corresponds to 9079 943 524

| suitable for                                                | Installation location | Length | Order no.           | Comparative no.    |
|-------------------------------------------------------------|-----------------------|--------|---------------------|--------------------|
| <b>Irisbus</b> Domino, Eurorider<br><b>Scania</b> Irizar PB | rear axle             | 622 mm | <b>9073 611 994</b> | Lemförder 36110 01 |
| <b>Irisbus</b> Eurorider<br><b>Scania</b> Irizar PB         | front axle            | 595 mm | <b>9079 943 524</b> | Lemförder 22524 01 |



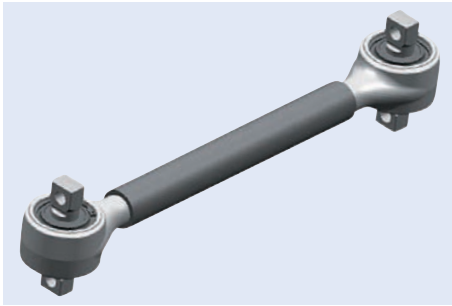
**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 40 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15/15 mm          |
| Distance between holes | 100/100 mm        |

This figure corresponds to 9075 003 350

| suitable for           | Installation location | Length | Order no.           | Comparative no.    |
|------------------------|-----------------------|--------|---------------------|--------------------|
| <b>Iveco</b> CityClass | front axle            | 510 mm | <b>9075 003 350</b> | Lemförder 34423 01 |
| <b>Iveco</b> CityClass | front axle            | 425 mm | <b>9075 539 044</b> | Lemförder 34424 01 |
| <b>Iveco</b> CityClass | rear axle             | 380 mm | <b>9075 003 537</b> | Lemförder 35357 01 |



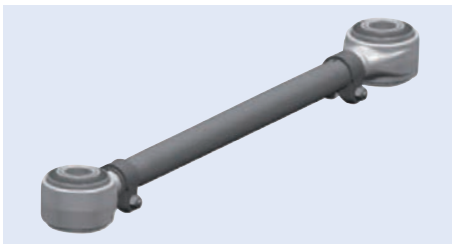
**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 115/115 mm        |

This figure corresponds to 9073 468 101

| suitable for          | Installation location | Length | Order no.           | Comparative no.    |
|-----------------------|-----------------------|--------|---------------------|--------------------|
| <b>Volvo</b> B7R, B9R |                       | 444 mm | <b>9073 468 101</b> | Lemförder 34681 01 |
| <b>Volvo</b> B9R      | rear axle             | 625 mm | <b>9072 145 840</b> | Lemförder 36684 01 |

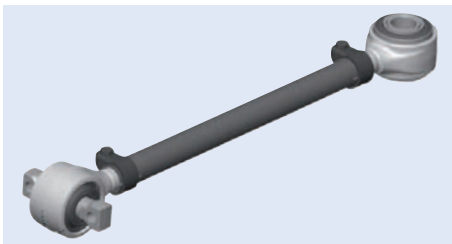


**LEMFÖRDER** 

### Trailing arm

|                       |                          |
|-----------------------|--------------------------|
| Installation location | rear axle                |
| Length                | 800 mm                   |
| Pipe Ø                | 48 mm                    |
| Version               | adjustable on both sides |
| Bearing version       | molecular bearing        |

| suitable for             | Order no.           | Comparative no.    |
|--------------------------|---------------------|--------------------|
| <b>Irisbus</b> Eurorider | <b>9072 529 943</b> | Lemförder 25270 01 |



**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | rear axle         |
| Length                 | 760 mm            |
| Pipe Ø                 | 46 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19/40 mm       |
| Distance between holes | 130 mm            |

| suitable for                     | Order no.           | Comparative no.    |
|----------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Domino, Eurorider | <b>9075 006 119</b> | Lemförder 36119 01 |



**LEMFÖRDER** 

### Trailing arm

|                        |                |
|------------------------|----------------|
| Installation location  | rear axle, top |
| Installation side      | left/right     |
| Length                 | 662 mm         |
| Pipe Ø                 | 50 mm          |
| Bore hole Ø            | 19/19 mm       |
| Distance between holes | 130/130 mm     |

| suitable for                 | Order no.           | Comparative no.    |
|------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 405 N | <b>9070 000 200</b> | Lemförder 21255 01 |

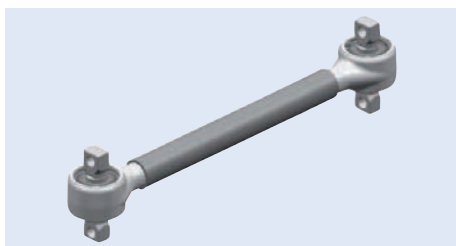

**LEMFÖRDER**

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | rear axle, top    |
| Installation side      | left/right        |
| Length                 | 713 mm            |
| Pipe Ø                 | 56 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 16,5/16,5 mm      |
| Distance between holes | 130/130 mm        |

| suitable for                      | Order no.    | Comparative no.    |
|-----------------------------------|--------------|--------------------|
| Mercedes-Benz O 405, O 407, O 408 | 9079 006 550 | Lemförder 22962 01 |

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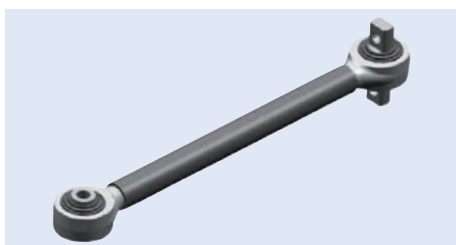

**LEMFÖRDER**

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | rear axle         |
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 130/130 mm        |

This figure corresponds to 9050 129 001

| suitable for                      | Length | Order no.    | Comparative no.    |
|-----------------------------------|--------|--------------|--------------------|
| Scania Irizar PB                  | 589 mm | 9073 178 837 | Lemförder 29379 01 |
| Volvo B12B                        |        |              |                    |
| Volvo B9L, B9TL                   | 506 mm | 9073 604 012 | Lemförder 36104 01 |
| Volvo B9L, B9TL, B12B, B12R, B13R | 580 mm | 9050 129 001 | Lemförder 31290 01 |


**LEMFÖRDER**

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | rear axle, bottom |
| Installation side      | left/right        |
| Length                 | 510 mm            |
| Pipe Ø                 | 48 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17/64 mm       |
| Distance between holes | 130 mm            |

| suitable for     | Order no.    | Comparative no.    |
|------------------|--------------|--------------------|
| Volvo B12B, B13R | 9050 376 905 | Lemförder 36107 01 |





**LEMFÖRDER** 

### Trailing arm

|                        |                          |
|------------------------|--------------------------|
| Length                 | 576 mm                   |
| Pipe Ø                 | 46 mm                    |
| Version                | adjustable on both sides |
| Bearing version        | molecular bearing        |
| Bore hole Ø            | 19/19 mm                 |
| Distance between holes | 130/130 mm               |

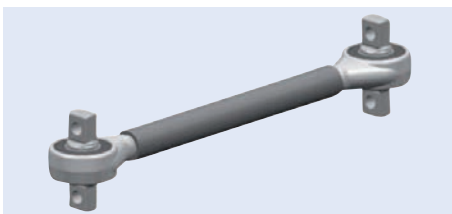
| suitable for                        | Order no.           | Comparative no.    |
|-------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Europolis            | <b>9052 826 765</b> | Lemförder 29818 01 |
| <b>Solaris</b> Urbino III, Trollino |                     |                    |

**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 40 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15/15 mm          |
| Distance between holes | 100/100 mm        |

| suitable for           | Length | Order no.           | Comparative no.    |
|------------------------|--------|---------------------|--------------------|
| <b>Iveco</b> CityClass | 425 mm | <b>9070 314 888</b> | Lemförder 23629 01 |
| <b>Iveco</b> CityClass | 425 mm | <b>9070 363 800</b> | Lemförder 33878 01 |
| <b>Iveco</b> CityClass | 510 mm | <b>9070 432 565</b> | Lemförder 22517 01 |
| <b>Iveco</b> CityClass | 510 mm | <b>9070 363 803</b> | Lemförder 35332 01 |
| <b>Iveco</b> CityClass | 576 mm | <b>9073 637 999</b> | Lemförder 22518 01 |

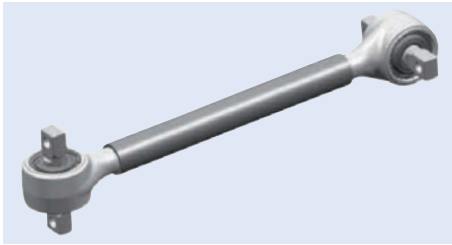


**LEMFÖRDER** 

### Trailing arm

|                        |          |
|------------------------|----------|
| Length                 | 470 mm   |
| Pipe Ø                 | 36 mm    |
| Bore hole Ø            | 15/15 mm |
| Distance between holes | 80/80 mm |

| suitable for                                                              | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> Lion's Regio (R12/R13)                                         | <b>9079 993 014</b> | Lemförder 26646 01 |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216) |                     |                    |


**LEMFÖRDER**

### Trailing arm

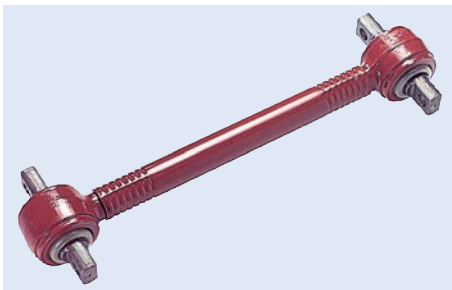
|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

This figure corresponds to 5230 283 285

| suitable for                                                                                                                                                                      | Length | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------|--------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                 | 531 mm | <b>5232 206 145</b> | Lemförder 25316 01 |
| <b>MAN</b> Lion's City (A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516) | 622 mm | <b>5230 283 285</b> | Lemförder 31366 01 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                                                                            | 585 mm | <b>9053 060 901</b> | Lemförder 30609 01 |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                            | 650 mm | <b>9073 101 547</b> | Lemförder 23022 01 |
| <b>Setra</b> S 431 DT                                                                                                                                                             | 580 mm | <b>9463 500 206</b> | Lemförder 28986 01 |

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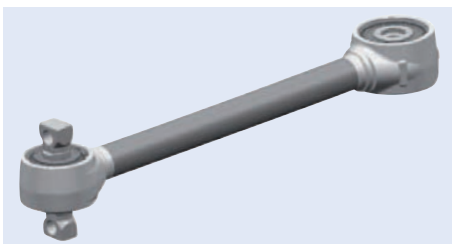
Axle and steering parts


**LEMFÖRDER**

### Trailing arm

|                        |            |
|------------------------|------------|
| Length                 | 725 mm     |
| Pipe Ø                 | 46 mm      |
| Bore hole Ø            | 19/19 mm   |
| Distance between holes | 130/130 mm |

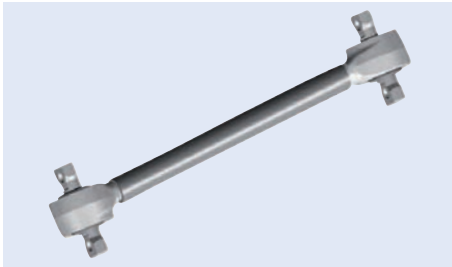
| suitable for                                                                                                                                                        | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro I/II (O 560), Turismo II,<br>Travego I/II (O 580)                                               | <b>9079 991 585</b> | Lemförder 36894 01 |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL,<br>S 411/415 HD, S 415/416/417 HDH, S 415/416/417 GT-HD, S 415/417/419 UL |                     |                    |


**LEMFÖRDER**

### Trailing arm

|                        |                |
|------------------------|----------------|
| Length                 | 628 mm         |
| Pipe Ø                 | 48 mm          |
| Version                | not adjustable |
| Bore hole Ø            | 17/17/35 mm    |
| Distance between holes | 130 mm         |

| suitable for                                  | Order no.           | Comparative no.    |
|-----------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 404, Turismo I (O 350) | <b>9079 006 450</b> | Lemförder 13551 01 |

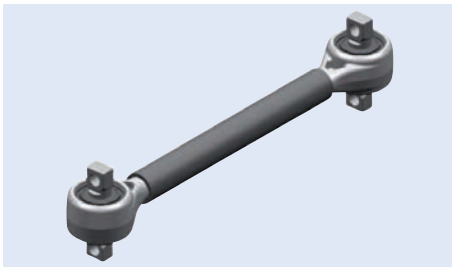


**LEMFÖRDER** 

### Trailing arm

|                        |            |
|------------------------|------------|
| Length                 | 635 mm     |
| Pipe Ø                 | 48 mm      |
| Bore hole Ø            | 19/19 mm   |
| Distance between holes | 130/130 mm |

| suitable for   | Order no.    | Comparative no.    |
|----------------|--------------|--------------------|
| Setra S 431 DT | 9460 350 000 | Lemförder 28987 01 |



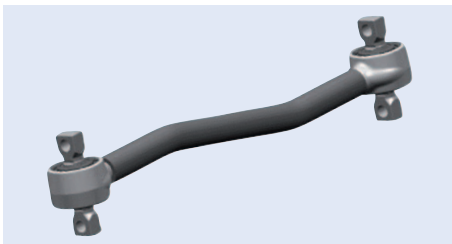
**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 115/115 mm        |

This figure corresponds to 2127 009 879

| suitable for            | Length | Pipe Ø | Order no.    | Comparative no.    |
|-------------------------|--------|--------|--------------|--------------------|
| Scania K124/360         | 637 mm | 46 mm  | 2127 009 879 | Lemförder 30591 01 |
| Scania K94/114/124, L94 | 752 mm | 48 mm  | 9050 036 101 | Lemförder 35361 01 |

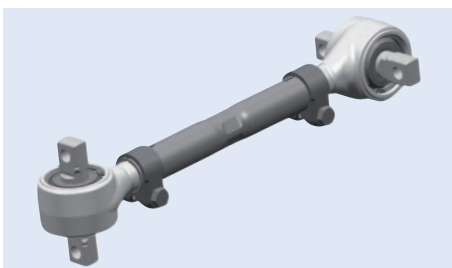


**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 654 mm            |
| Pipe Ø                 | 40 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 115/115 mm        |

| suitable for            | Order no.    | Comparative no.    |
|-------------------------|--------------|--------------------|
| Scania K94/114/124, L94 | 9050 000 802 | Lemförder 21457 01 |

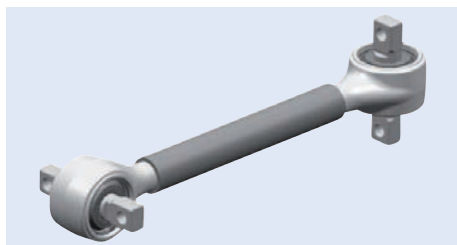


**LEMFÖRDER** 

### Trailing arm

|                        |                          |
|------------------------|--------------------------|
| Length                 | 510 mm                   |
| Pipe Ø                 | 46 mm                    |
| Version                | adjustable on both sides |
| Bearing version        | molecular bearing        |
| Bore hole Ø            | 17/17 mm                 |
| Distance between holes | 130/130 mm               |

| suitable for                      | Order no.    | Comparative no.    |
|-----------------------------------|--------------|--------------------|
| Scania Irizar PB                  | 9050 081 901 | Lemförder 29819 01 |
| Volvo B5LH, B9L, B9TL, B12B, B12R |              |                    |



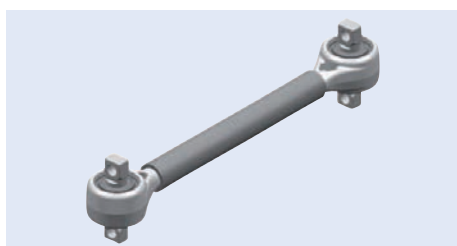
**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 130/130 mm        |

This figure corresponds to 9050 070 601

| suitable for                    | Length | Order no.           | Comparative no.    |
|---------------------------------|--------|---------------------|--------------------|
| Scania Irizar PB                | 576 mm | <b>9050 072 242</b> | Lemförder 34983 01 |
| Volvo B12B, B12B LE, B12R, B13R |        |                     |                    |
| Volvo B12B, B12R                | 510 mm | <b>9050 070 601</b> | Lemförder 30706 01 |

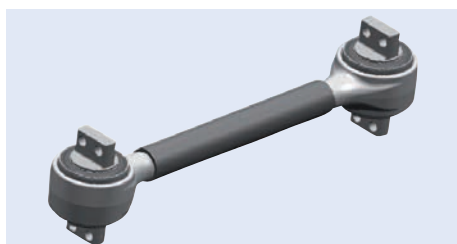


**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 664 mm            |
| Pipe Ø                 | 46 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

| suitable for                        | Order no.           | Comparative no.    |
|-------------------------------------|---------------------|--------------------|
| <b>Solaris Urbino III, Trollino</b> | <b>9050 319 414</b> | Lemförder 31758 01 |

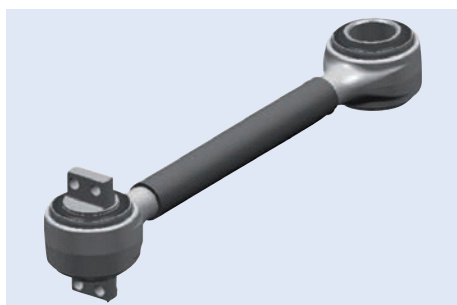


**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 666 mm            |
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Distance between holes | 125 mm            |
| Bore hole Ø            | 14 mm             |

| suitable for                 | Order no.           | Comparative no.    |
|------------------------------|---------------------|--------------------|
| <b>Volvo B10B, B10M, B12</b> | <b>6170 002 512</b> | Lemförder 26812 01 |



**LEMFÖRDER** 

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 510 mm            |
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 14/14/52 mm       |
| Distance between holes | 125/30 mm         |

| suitable for                 | Order no.           | Comparative no.    |
|------------------------------|---------------------|--------------------|
| <b>Volvo B10B, B10M, B12</b> | <b>9079 992 957</b> | Lemförder 26811 01 |



### Trailing arm

|                        |                |
|------------------------|----------------|
| Model                  | PROEQUIP       |
| Installation location  | front axle     |
| Length                 | 740 mm         |
| Pipe Ø                 | 48 mm          |
| Bearing version        | rubber bearing |
| Bore hole Ø            | 17/17 mm       |
| Distance between holes | 115/115 mm     |

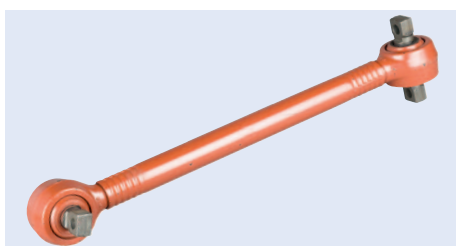
| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's Classic Ü (A72) | <b>9078 343 262</b> | TRW JRR6212     |



### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Model                  | PROEQUIP          |
| Installation location  | front axle        |
| Length                 | 625 mm            |
| Pipe Ø                 | 36 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15/15 mm          |
| Distance between holes | 90/90 mm          |

| suitable for                           | Order no.           | Comparative no. |
|----------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) | <b>9077 333 040</b> | TRW JRR0143     |



### Trailing arm

|                        |                    |
|------------------------|--------------------|
| Model                  | PROEQUIP           |
| Installation location  | front axle, bottom |
| Length                 | 659 mm             |
| Pipe Ø                 | 46 mm              |
| Bore hole Ø            | 17/17 mm           |
| Distance between holes | 115/115 mm         |

**Scope of supply**  
without accessories

| suitable for                                                  | Installation side | Order no.           | Comparative no. |
|---------------------------------------------------------------|-------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408 | left              | <b>9079 991 602</b> | TRW JRR0176     |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408 | right             | <b>9073 302 050</b> | TRW JRR0156     |

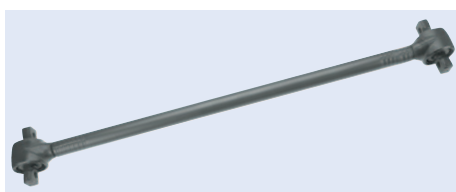
This figure corresponds to 9079 991 602



### Trailing arm

|                        |            |
|------------------------|------------|
| Model                  | PROEQUIP   |
| Installation location  | front axle |
| Length                 | 653 mm     |
| Pipe Ø                 | 50 mm      |
| Bore hole Ø            | 17/17 mm   |
| Distance between holes | 115 mm     |

| suitable for                    | Order no.    | Comparative no. |
|---------------------------------|--------------|-----------------|
| Mercedes-Benz Conecto I (O 345) | 9073 330 805 | TRW JRR0221     |



### Trailing arm

|                        |                |
|------------------------|----------------|
| Model                  | PROEQUIP       |
| Installation location  | front axle     |
| Length                 | 995 mm         |
| Pipe Ø                 | 42 mm          |
| Bearing version        | rubber bearing |
| Bore hole Ø            | 15/15 mm       |
| Distance between holes | 100/100 mm     |

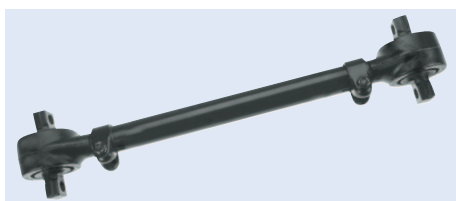
| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B9TL   | 9073 119 551 | TRW JRR5513     |



### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Model                  | PROEQUIP          |
| Pipe Ø                 | 48 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

| suitable for                                                             | Installation location | Length | Order no.    | Comparative no. |
|--------------------------------------------------------------------------|-----------------------|--------|--------------|-----------------|
| MAN Lion's Coach (R08), Lion's Regio (R13)<br>Neoplan Tourliner (N 2216) | front axle/rear axle  | 470 mm | 9073 220 625 | TRW JRR6206     |
| Neoplan Skyliner (2011-)                                                 | rear axle             | 548 mm | 9078 134 570 | TRW JRR0170     |



### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Model                  | PROEQUIP          |
| Pipe Ø                 | 48 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 115/115 mm        |

This figure corresponds to 9054 446 740

| suitable for    | Installation location | Length | Order no.    | Comparative no. |
|-----------------|-----------------------|--------|--------------|-----------------|
| Scania K124/360 | rear axle             | 650 mm | 9054 446 740 | TRW JRR0188     |
| Volvo B9R       | front axle            | 666 mm | 9071 077 316 | TRW JRR0160     |
| Volvo B9R       | rear axle             | 449 mm | 9074 531 171 | TRW JRR0171     |



**Trailing arm**

|                        |                   |
|------------------------|-------------------|
| Model                  | PROEQUIP          |
| Length                 | 630 mm            |
| Pipe Ø                 | 50 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130 mm            |

| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's Classic Ü (A72) | <b>9079 993 001</b> | TRW JRR0121     |

**Trailing arm**

|                        |                   |
|------------------------|-------------------|
| Model                  | PROEQUIP          |
| Length                 | 660 mm            |
| Pipe Ø                 | 48 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

**Scope of supply**  
without accessories

| suitable for                                                                                                                                   | Order no.           | Comparative no. |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Integro (O 550),<br>Intouro I (O 560)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD,<br>S 313/315/319 UL, S 315/319 UL-GT | <b>9070 387 000</b> | TRW JRR7021     |

**Trailing arm**

|                        |                   |
|------------------------|-------------------|
| Model                  | PROEQUIP          |
| Length                 | 539 mm            |
| Pipe Ø                 | 50 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/7 mm           |
| Distance between holes | 115 mm            |

| suitable for       | Order no.           | Comparative no. |
|--------------------|---------------------|-----------------|
| <b>Scania</b> K360 | <b>1903 450 127</b> | TRW JRR0127     |



## WICHMANN

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Installation location  | rear axle         |
| Length                 | 531 mm            |
| Pipe Ø                 | 48 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

| suitable for                                                                                            | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>5210 090 177</b> | Wichmann 2100-90075 |



## WICHMANN

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Pipe Ø                 | 48 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19/19 mm          |
| Distance between holes | 130/130 mm        |

This figure corresponds to 5210 090 086

| suitable for                                                                                                                                                                                   | Length | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------|---------------------|
| <b>MAN</b> NL (A10)<br><b>Mercedes-Benz</b> O 405 N                                                                                                                                            | 750 mm | <b>5210 090 179</b> | Wichmann 2100-90179 |
| <b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | 660 mm | <b>5210 090 086</b> | Wichmann 2100-90086 |

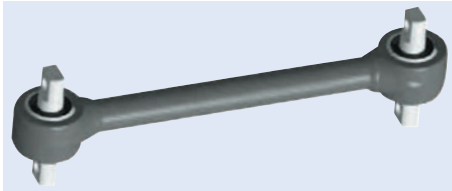


## WICHMANN

### Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 576 mm            |
| Pipe Ø                 | 46 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19 mm             |
| Distance between holes | 130 mm            |

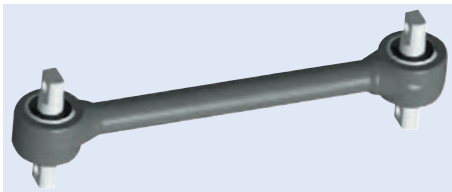
| suitable for                                                                                                                                                                                                       | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Travego I (O 580)<br><b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, S 415/417 HDH,<br>S 431 DT, S 416/417 GT-HD, S 415 NF, S 417 UL | <b>5210 090 089</b> | Wichmann 2100-90089 |



**WICHMANN**  
Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 769 mm            |
| Pipe Ø                 | 46 mm             |
| Version                | not adjustable    |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 130/130 mm        |

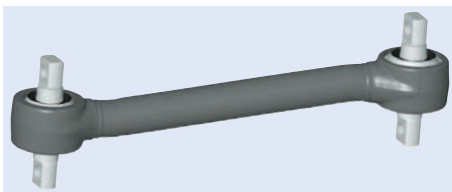
| suitable for                                   | Order no.           | Comparative no.     |
|------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350) | <b>9079 991 598</b> | Wichmann 2100-90051 |



**WICHMANN**  
Trailing arm

|                        |        |
|------------------------|--------|
| Length                 | 658 mm |
| Pipe Ø                 | 48 mm  |
| Distance between holes | 130 mm |
| Bore hole Ø            | 19 mm  |

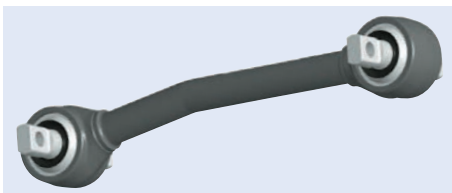
| suitable for                                                                                                 | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                       | <b>9079 991 698</b> | Wichmann 2100-90050 |
| <b>Setra</b> S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT |                     |                     |



**WICHMANN**  
Trailing arm

|                        |            |
|------------------------|------------|
| Length                 | 579 mm     |
| Pipe Ø                 | 50 mm      |
| Bore hole Ø            | 21/21 mm   |
| Distance between holes | 152/152 mm |

| suitable for                                                                                                          | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH | <b>5210 090 175</b> | Wichmann 2100-90175 |



**WICHMANN**  
Trailing arm

|                        |                   |
|------------------------|-------------------|
| Length                 | 522 mm            |
| Pipe Ø                 | 46 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17/17 mm          |
| Distance between holes | 115/115 mm        |

| suitable for        | Order no.           | Comparative no.     |
|---------------------|---------------------|---------------------|
| <b>Scania</b> F/K/N | <b>9990 000 872</b> | Wichmann 2100-90085 |



## WICHMANN

### Trailing arm

|                        |                          |
|------------------------|--------------------------|
| Length                 | 650 mm                   |
| Pipe Ø                 | 48 mm                    |
| Version                | adjustable on both sides |
| Bearing version        | molecular bearing        |
| Bore hole Ø            | 19/19 mm                 |
| Distance between holes | 130/130 mm               |

| suitable for                    | Order no.    | Comparative no.     |
|---------------------------------|--------------|---------------------|
| Scania K94/114/124/360/380, L94 | 5210 090 121 | Wichmann 2100-90121 |



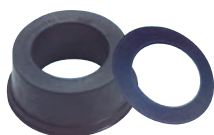
## WICHMANN

### Trailing arm

|         |              |
|---------|--------------|
| Pipe Ø  | 56 mm        |
| Version | without bush |

This figure corresponds to 5210 090 099

| suitable for               | Length | Order no.    | Comparative no.     |
|----------------------------|--------|--------------|---------------------|
| Mercedes-Benz O 407, O 408 | 724 mm | 5210 090 099 | Wichmann 2100-90099 |
| Mercedes-Benz O 407, O 408 | 585 mm | 5210 090 096 | Wichmann 2100-90096 |



### Accessories

| Description                      | Order no.    |
|----------------------------------|--------------|
| Bushing, Torque rod and wishbone | 1530 000 002 |

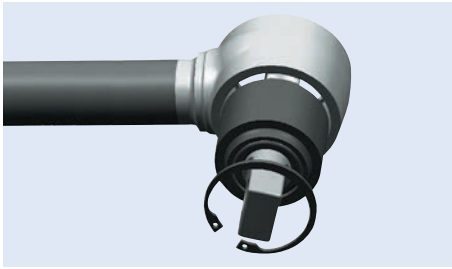


## EURO PART

### Repair kit for trailing arm

|                        |                   |
|------------------------|-------------------|
| Bearing version        | Molecular bearing |
| Bore hole Ø            | 19 mm             |
| Distance between holes | 130 mm            |

| suitable for                    | Order no.    |
|---------------------------------|--------------|
| Mercedes-Benz Intouro I (O 560) | 9070 001 032 |
| Setra S 431 DT                  |              |



**LEMFÖRDER** 

### Repair kit for trailing link

|                        |           |
|------------------------|-----------|
| Installation location  | rear axle |
| Thickness              | 24 mm     |
| Bore hole Ø            | 15/15 mm  |
| Distance between holes | 100 mm    |

| suitable for                     | Order no.    | Comparative no.    |
|----------------------------------|--------------|--------------------|
| Iveco CityClass<br>Van Hool A330 | 9074 253 506 | Lemförder 23206 01 |



**LEMFÖRDER** 

### Repair kit for trailing link

|                       |            |
|-----------------------|------------|
| Installation location | rear axle  |
| Installation side     | left/right |

| suitable for                               | Order no.    | Comparative no.    |
|--------------------------------------------|--------------|--------------------|
| Mercedes-Benz Tourismo I (O 350),<br>O 404 | 9050 250 720 | Lemförder 25072 01 |

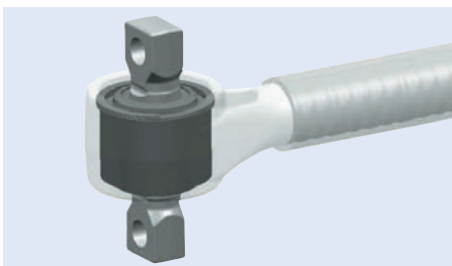


**LEMFÖRDER** 

### Repair kit for trailing link

|                        |          |
|------------------------|----------|
| Bore hole Ø            | 17/17 mm |
| Distance between holes | 130 mm   |
| Thickness              | 24 mm    |

| suitable for                     | Order no.    | Comparative no.    |
|----------------------------------|--------------|--------------------|
| Mercedes-Benz Tourismo I (O 350) | 9079 004 800 | Lemförder 21342 01 |



**LEMFÖRDER** 

### Repair kit for wishbone link, trailing link and transverse link

|                        |                   |
|------------------------|-------------------|
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17 mm             |
| Distance between holes | 130 mm            |

| suitable for | Order no.    | Comparative no.    |
|--------------|--------------|--------------------|
| Volvo B12B   | 9070 025 562 | Lemförder 29549 01 |



### Repair kit for trailing arm

|                        |                   |
|------------------------|-------------------|
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19 mm             |
| Distance between holes | 130 mm            |

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Iveco CityClass | 9079 004 480 | TRW JRK0054     |

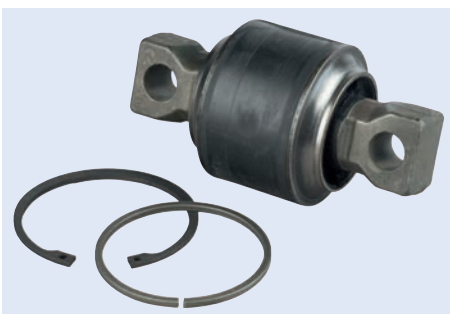


### Repair kit for trailing link

|                       |                      |
|-----------------------|----------------------|
| Model                 | PROEQUIP             |
| Installation location | front axle/rear axle |
| Ø                     | 94,9 mm              |
| Cone-Ø                | 45 mm                |

**Scope of supply**  
with accessories

| suitable for                     | Order no.    | Comparative no. |
|----------------------------------|--------------|-----------------|
| Mercedes-Benz Tourismo I (O 350) | 9077 933 031 | TRW JRK0079     |



### Repair kit for trailing link

|                        |                |
|------------------------|----------------|
| Installation location  | rear axle, top |
| Thickness              | 24 mm          |
| Bore hole Ø            | 19 mm          |
| Distance between holes | 130 mm         |

| suitable for      | Order no.    |
|-------------------|--------------|
| <b>Fast Syter</b> | 9070 002 140 |

**Heuliez** GX 127, 317, 327, 427

**Irisbus** Agora, Arès, Arway, Citelis, Evadys, Iliade, Récréo

**Mercedes-Benz** O 405 N

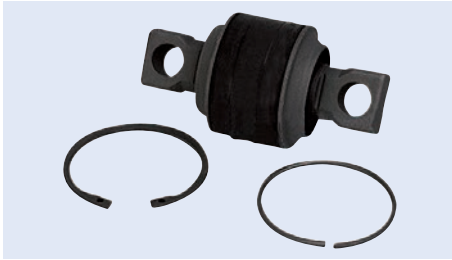
**Neoplan** Centroliner (N 45XX), Cityliner (N 12XX), Starliner (N 52XX)

**Setra** S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415/417 HDH, S 431 DT

**Temsa** Safari

**VDL** Bova Futura, Bova Lexio, Bova Magiq





This figure corresponds to 9079 003 330

### Repair kit for trailing arm

Ø 85 mm  
Distance between holes 130 mm

| suitable for                                             | Bore hole Ø | Order no.           |
|----------------------------------------------------------|-------------|---------------------|
| <b>Heuliez</b> GX 427                                    | 19 mm       | <b>3060 008 815</b> |
| <b>Irisbus</b> Arès, Arway, Axer, Citelis                |             |                     |
| <b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX) |             |                     |
| <b>Scania</b> F/K/N, Serie 3/4                           |             |                     |
| <b>MAN</b> ÜL                                            | 21 mm       | <b>9079 003 330</b> |
| <b>Solaris</b> Urbino III, Trollino                      |             |                     |
| <b>Volvo</b> B10B                                        |             |                     |



### Repair kit for trailing link

Installation location rear axle, outer  
Installation side left/right  
Length 130 mm  
Thickness 30 mm  
Inner Ø 19 mm  
Outer Ø 72/65 mm

| suitable for           | Order no.           |
|------------------------|---------------------|
| <b>Iveco</b> CityClass | <b>9073 302 400</b> |



### Repair kit for trailing link

Bore hole Ø 17 mm  
Distance between holes 115 mm

**Scope of supply**  
with retaining ring

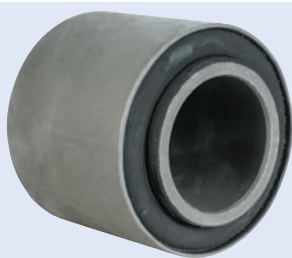
| suitable for        | Order no.           |
|---------------------|---------------------|
| <b>Scania</b> F/K/N | <b>1599 002 854</b> |



### Repair kit for trailing link

Installation location rear axle, rear

| suitable for            | Order no.           |
|-------------------------|---------------------|
| <b>Setra</b> 300 series | <b>9073 303 200</b> |



### Bearing bush for trailing arm

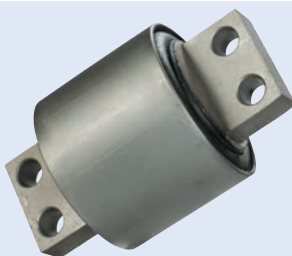
Length 74/85 mm  
Inner Ø 52 mm  
Outer Ø 91 mm

#### suitable for

**Volvo** B7R, B9S, B10, B10B, B10M, B10R, B12, B12M

#### Order no.

**6170 001 279**



### Silent bearing for trailing link

Bore hole Ø 13,5 mm  
Distance between holes 125 mm  
Material rubber/metal

#### suitable for

**Volvo** B7R, B12, B10B, B10L, B10M, B10R

#### Order no.

**6170 000 182**



### LEMFÖRDER

#### 'A' frame

Installation location front axle  
Length 686 mm  
Pipe Ø 48 mm  
Bearing version molecular bearing  
Bore hole Ø 19/19 mm  
Distance between holes 130/130 mm

#### suitable for

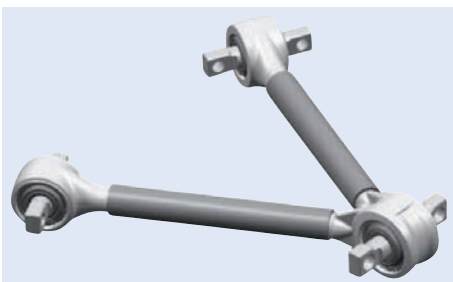
**Irisbus** Eurorider  
**Scania** Irizar PB

#### Order no.

**9079 848 520**

#### Comparative no.

Lemförder 23052 01



### LEMFÖRDER

#### 'A' frame

Installation location front axle/rear axle  
Length 523 mm  
Pipe Ø 48 mm  
Bore hole Ø 19/19/25 mm  
Distance between holes 130/130/152 mm

#### suitable for

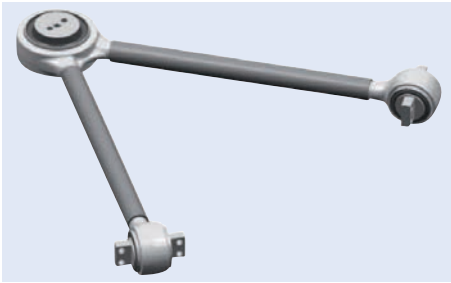
**MAN** Lion's Coach (R08),  
Lion's Regio (R13)  
**Neoplan** Tourliner (N 2216)  
**Scania** Irizar PB  
**Temsa** Diamond

#### Order no.

**9072 706 103**

#### Comparative no.

Lemförder 31367 01

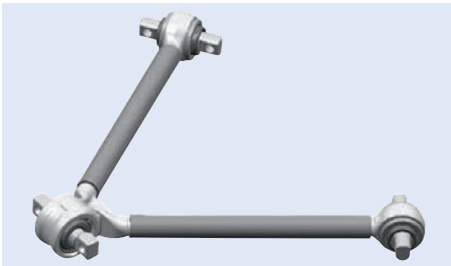


# **LEMFÖRDER**

## 'A' frame

|                        |                      |
|------------------------|----------------------|
| Installation location  | front axle/rear axle |
| Length                 | 773 mm               |
| Pipe Ø                 | 48 mm                |
| Bore hole Ø            | 14 mm                |
| Distance between holes | 125/30 mm            |

| suitable for                | Order no.           | Comparative no.    |
|-----------------------------|---------------------|--------------------|
| <b>Volvo</b> B9, B10B, B10M | <b>9072 776 101</b> | Lemförder 27761 01 |

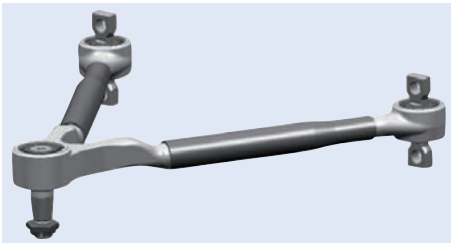


# **LEMFÖRDER**

## 'A' frame

|                        |            |
|------------------------|------------|
| Length                 | 660 mm     |
| Pipe Ø                 | 48 mm      |
| Bore hole Ø            | 21/19 mm   |
| Distance between holes | 145/130 mm |

| suitable for           | Order no.           | Comparative no.    |
|------------------------|---------------------|--------------------|
| <b>Iveco</b> CityClass | <b>9052 230 201</b> | Lemförder 22302 01 |

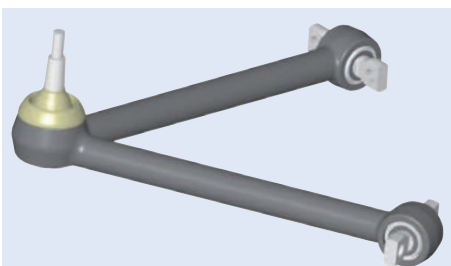


# **LEMFÖRDER**

## 'A' frame

|                        |          |
|------------------------|----------|
| Length                 | 774 mm   |
| Cone-Ø                 | 45 mm    |
| Bore hole Ø            | 25/25 mm |
| Distance between holes | 130 mm   |

| suitable for                                                                              | Order no.           | Comparative no.    |
|-------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I (O 560), Turismo II, Travego I (O 580) | <b>9073 360 940</b> | Lemförder 36094 01 |
| <b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 415/416 GT-HD, S 415/417 UL         |                     |                    |
| <b>Solaris</b> Vacanza                                                                    |                     |                    |



# **WiCHMANN**

## 'A' frame

|                        |                   |
|------------------------|-------------------|
| Installation location  | front axle        |
| Length                 | 507 mm            |
| Pipe Ø                 | 40 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 15 mm             |
| Distance between holes | 115 mm            |

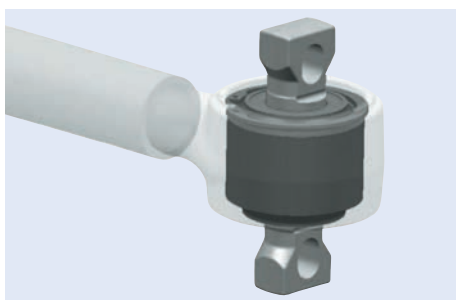
| suitable for                           | Order no.           | Comparative no.     |
|----------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Turismo I (O 350) | <b>5220 090 020</b> | Wichmann 2200-90020 |



### Repair kit for A-arm

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Installation side      | left/right |
| Bore hole Ø            | 15 mm      |
| Distance between holes | 115 mm     |
| Thickness              | 24 mm      |

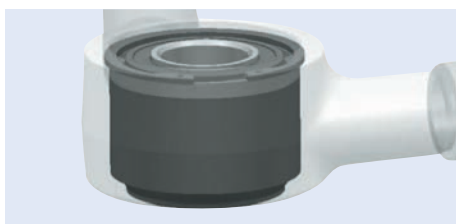
| suitable for               | Order no.           |
|----------------------------|---------------------|
| <b>Mercedes-Benz</b> O 404 | <b>9070 313 542</b> |



### Repair kit for wishbone link

|                        |                   |
|------------------------|-------------------|
| Installation location  | front axle        |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 19 mm             |
| Distance between holes | 126 mm            |

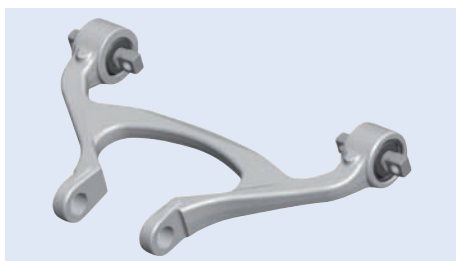
| suitable for                                      | Order no.           | Comparative no.    |
|---------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 404,<br>Tourismo I (O 350) | <b>9079 004 790</b> | Lemförder 20972 01 |



### Repair kit for wishbone link

|                       |                   |
|-----------------------|-------------------|
| Installation location | front axle        |
| Bearing version       | molecular bearing |
| Inner Ø               | 44 mm             |

| suitable for                                             | Order no.           | Comparative no.    |
|----------------------------------------------------------|---------------------|--------------------|
| <b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX) | <b>9070 134 901</b> | Lemförder 31349 01 |



### Transverse link

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Length                 | 600/320 mm |
| Bore hole Ø            | 19/19 mm   |
| Distance between holes | 115/115 mm |

| suitable for                           | Order no.           | Comparative no.    |
|----------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Domino, Eurorider       | <b>9075 559 866</b> | Lemförder 35058 01 |
| <b>Mercedes-Benz</b> Intouro I (O 560) |                     |                    |
| <b>Scania</b> Irizar PB                |                     |                    |
| <b>Temsa</b> Safari, Tourmalin         |                     |                    |

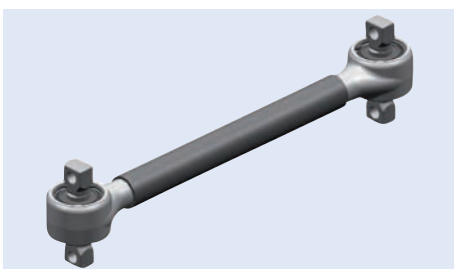


# **LEMFÖRDER**

## **Transverse link**

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Length                 | 782/400 mm |
| Cone-Ø                 | 45 mm      |
| Bore hole Ø            | 21/21 mm   |
| Distance between holes | 130/130 mm |

| suitable for                                             | Order no.           | Comparative no.    |
|----------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> Lion's Regio (R12/R13)                        | <b>9073 156 038</b> | Lemförder 36140 01 |
| <b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX) |                     |                    |



# **LEMFÖRDER**

## **Transverse link**

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Length                 | 470 mm     |
| Pipe Ø                 | 36 mm      |
| Thread                 | M14 x 1,5  |
| Bore hole Ø            | 15/15 mm   |
| Distance between holes | 80/80 mm   |

| suitable for                                                                                 | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                    | <b>9072 206 180</b> | Lemförder 36137 01 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Trendliner (N 3516) |                     |                    |
| <b>Scania</b> Irizar PB                                                                      |                     |                    |
| <b>Temsa</b> Diamond                                                                         |                     |                    |



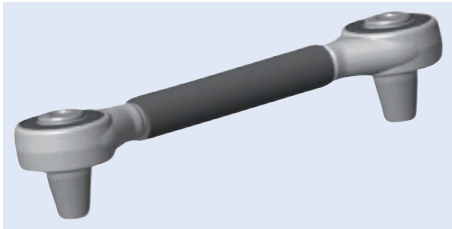
# **LEMFÖRDER**

## **Transverse link**

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Installation side      | left/right |
| Length                 | 960 mm     |
| Pipe Ø                 | 56 mm      |
| Bore hole Ø            | 16/16 mm   |
| Distance between holes | 130 mm     |

| suitable for                      | Order no.           | Comparative no.    |
|-----------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 407, O 408 | <b>9079 006 530</b> | Lemförder 21816 01 |

You'll find a silent bearing tool on page 662.



**LEMFÖRDER**  
**Transverse link**  
Pipe Ø 36 mm

This figure corresponds to 9072 206 299

| suitable for                                                                                                                  | Installation location | Length | Cone-Ø | Order no.           | Comparative no.    |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|--------|---------------------|--------------------|
| <b>MAN</b> Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX)                                 | rear axle             | 270 mm | 45 mm  | <b>9072 206 299</b> | Lemförder 36135 01 |
| <b>Neoplan</b> Cityliner (N 12XX),<br>Skyliner (2011-), Starliner (N 52XX)<br><b>Scania</b> Irizar PB<br><b>Temsa</b> Diamond | front axle            | 330 mm | 36 mm  | <b>9074 322 629</b> | Lemförder 34702 01 |

6

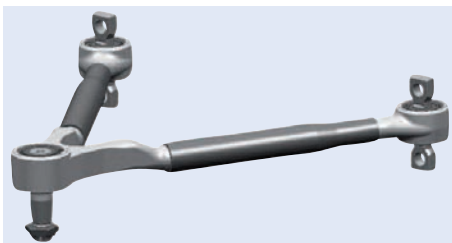
Axle and steering parts



**LEMFÖRDER**  
**Transverse link**

|                        |                |
|------------------------|----------------|
| Installation location  | rear axle      |
| Installation side      | left/right     |
| Length                 | 972 mm         |
| Pipe Ø                 | 52 mm          |
| Version                | not adjustable |
| Cone-Ø                 | 48 mm          |
| Bore hole Ø            | 19 mm          |
| Distance between holes | 130 mm         |

| suitable for                                                                | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N | <b>9079 016 940</b> | Lemförder 20916 01 |



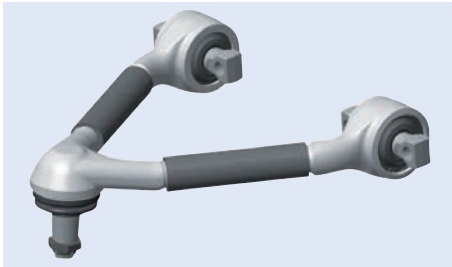
**LEMFÖRDER**  
**Transverse link**

|                        |            |
|------------------------|------------|
| Length                 | 720/663 mm |
| Pipe Ø                 | 56 mm      |
| Cone-Ø                 | 45 mm      |
| Bore hole Ø            | 25/25 mm   |
| Distance between holes | 130/130 mm |

**Scope of supply**  
with accessories

| suitable for                                                                                                                                                     | Order no.           | Comparative no.    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Domino, Eurorider<br><b>Mercedes-Benz</b> Intouro I (O 560)<br><b>Scania</b> Irizar PB<br><b>Temsa</b> Safari, Tourmalin<br><b>VDL</b> Bova Magiq | <b>9073 191 101</b> | Lemförder 31911 01 |





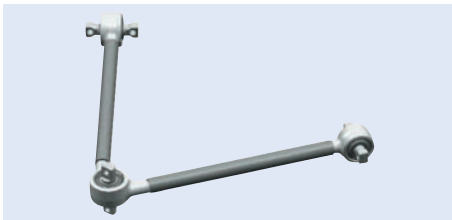
## LEMFÖRDER

### Transverse link

|                        |                   |
|------------------------|-------------------|
| Length                 | 454 mm            |
| Pipe Ø                 | 50 mm             |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 21/21 mm          |
| Distance between holes | 130/130 mm        |

**Scope of supply**  
with accessories

| suitable for                                                         | Order no.           | Comparative no.    |
|----------------------------------------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Arès, Arway, Axer, Evadys, Iliade, Magelys, Récréo II | <b>9079 992 951</b> | Lemförder 26805 01 |

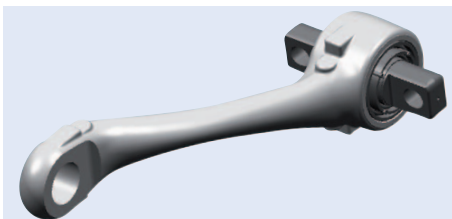


## LEMFÖRDER

### Transverse link

|                        |                |
|------------------------|----------------|
| Length                 | 782 mm         |
| Pipe Ø                 | 48 mm          |
| Bore hole Ø            | 21/21/19 mm    |
| Distance between holes | 130/130/145 mm |

| suitable for                                                                                                     | Order no.           | Comparative no.    |
|------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13), Lion's Star (R02/R03)                                     | <b>9079 993 015</b> | Lemförder 30728 01 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                     |                    |
| <b>Scania</b> Irizar PB                                                                                          |                     |                    |
| <b>Temsa</b> Diamond                                                                                             |                     |                    |

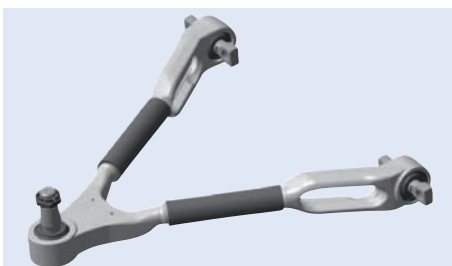


## LEMFÖRDER

### Transverse link

|                        |          |
|------------------------|----------|
| Length                 | 280,5 mm |
| Bore hole Ø            | 22/22 mm |
| Distance between holes | 130 mm   |

| suitable for                                      | Order no.           | Comparative no.    |
|---------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)         | <b>9053 330 020</b> | Lemförder 33302 02 |
| <b>Setra</b> S 417 HDH, S 416/417 GT-HD, S 415 NF |                     |                    |



## LEMFÖRDER

### Transverse link

|                        |          |
|------------------------|----------|
| Length                 | 685 mm   |
| Width                  | 720 mm   |
| Pipe Ø                 | 58 mm    |
| Cone-Ø                 | 45 mm    |
| Bore hole Ø            | 21/25 mm |
| Distance between holes | 130 mm   |

| suitable for                                        | Order no.           | Comparative no.    |
|-----------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Intouro I (O 560), Tourismo II | <b>9073 614 701</b> | Lemförder 36147 01 |
| <b>Setra</b> S 417 GT-HD, S 415/419 UL              |                     |                    |



**LEMFÖRDER**

### Transverse link

|                        |            |
|------------------------|------------|
| Length                 | 422 mm     |
| Width                  | 600 mm     |
| Bore hole Ø            | 19/19 mm   |
| Distance between holes | 115/115 mm |

| suitable for                                                                                                                                                                                                    | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I (O 560), Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 415/417 GT-HD,<br>S 415/417/419 UL<br><b>Solaris</b> Vacanza | <b>9073 609 301</b> | Lemförder 36093 01 |



**LEMFÖRDER**

### Transverse link

|                        |            |
|------------------------|------------|
| Length                 | 674 mm     |
| Width                  | 510 mm     |
| Bore hole Ø            | 25/25 mm   |
| Distance between holes | 130/130 mm |

| suitable for                                                                                              | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Setra</b> S 417 HDH<br><b>Solaris</b> Alpino, Urbino III<br><b>VDL</b> Citea, Bova Lexio, Bova Synergy | <b>9073 613 201</b> | Lemförder 36132 01 |



**LEMFÖRDER**

### Transverse link

|                        |        |
|------------------------|--------|
| Length                 | 288 mm |
| Bore hole Ø            | 21 mm  |
| Distance between holes | 130 mm |

| suitable for                                       | Order no.           | Comparative no.    |
|----------------------------------------------------|---------------------|--------------------|
| <b>Solaris</b> Urbino III<br><b>VDL</b> Bova Lexio | <b>9073 520 448</b> | Lemförder 30970 01 |

**TRW**

### Transverse link

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Length                 | 806 mm     |
| Pipe Ø                 | 50 mm      |
| Cone-Ø                 | 48 mm      |
| Bore hole Ø            | 17/17 mm   |
| Distance between holes | 115/115 mm |

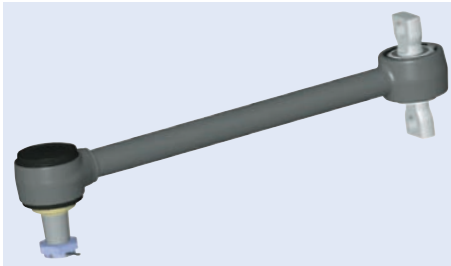
| suitable for                           | Order no.           | Comparative no. |
|----------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) | <b>9072 058 661</b> | TRW JRR0223     |

# WICHMANN

## Transverse link

|                        |                    |
|------------------------|--------------------|
| Installation location  | front axle, bottom |
| Length                 | 901 mm             |
| Pipe Ø                 | 48 mm              |
| Bore hole Ø            | 19 mm              |
| Distance between holes | 126 mm             |

| suitable for                            | Installation side | Order no.           | Comparative no.     |
|-----------------------------------------|-------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | left              | <b>5220 090 018</b> | Wichmann 2200-90018 |
| <b>Mercedes-Benz</b> Tourismo I (O 350) | right             | <b>5220 090 019</b> | Wichmann 2200-90019 |



# WICHMANN

## Transverse link

|                        |                      |
|------------------------|----------------------|
| Installation location  | front axle/rear axle |
| Length                 | 806 mm               |
| Pipe Ø                 | 48 mm                |
| Version                | Panhard rod          |
| Bore hole Ø            | 17 mm                |
| Distance between holes | 115 mm               |

| suitable for                                                         | Order no.           | Comparative no.     |
|----------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530),<br>Conecto I (O 345), O 405 N | <b>9079 991 706</b> | Wichmann 2100-90130 |



# LEMFÖRDER

## Supporting joint/guide joint for transverse link

|             |           |
|-------------|-----------|
| Length      | 198 mm    |
| Cone-Ø      | 50 mm     |
| Bore hole Ø | 16,5 mm   |
| Thread      | M36 x 1,5 |

| suitable for                                                                                      | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Heuliez</b> GX 327, 427<br><b>Irisbus</b> Arway, Citelis, Crossway,<br>Evadys, Magelys, Recreo | <b>9050 077 701</b> | Lemförder 31777 01 |



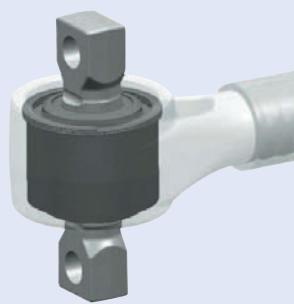
# LEMFÖRDER

## Supporting joint/guide joint for transverse link

|             |           |
|-------------|-----------|
| Length      | 150 mm    |
| Cone-Ø      | 42 mm     |
| Bore hole Ø | 16,5 mm   |
| Thread      | M30 x 1,5 |

**Scope of supply**  
with accessories

| suitable for         | Order no.           | Comparative no.    |
|----------------------|---------------------|--------------------|
| <b>Irisbus</b> Arway | <b>9071 393 008</b> | Lemförder 26806 01 |

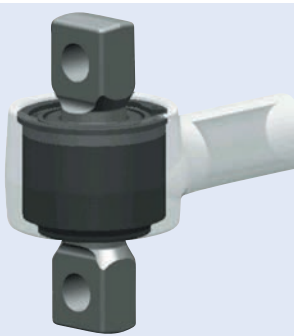


**LEMFÖRDER** 

### Repair kit for wishbone link, trailing link and transverse link

|                        |                   |
|------------------------|-------------------|
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17 mm             |
| Distance between holes | 130 mm            |

| suitable for | Order no.    | Comparative no.    |
|--------------|--------------|--------------------|
| Volvo B12B   | 9070 025 562 | Lemförder 29549 01 |



**LEMFÖRDER** 

### Repair kit for transverse link

|                        |                   |
|------------------------|-------------------|
| Bearing version        | molecular bearing |
| Bore hole Ø            | 17 mm             |
| Distance between holes | 122 mm            |
| Thickness              | 24 mm             |

| suitable for          | Order no.    | Comparative no.    |
|-----------------------|--------------|--------------------|
| Heuliez GX 317        | 9079 022 880 | Lemförder 12300 01 |
| Irisbus Agora, Iliade |              |                    |



**LEMFÖRDER** 

### Repair kit for transverse link

|                 |                   |
|-----------------|-------------------|
| Bearing version | molecular bearing |
| Cone-Ø          | 45 mm             |

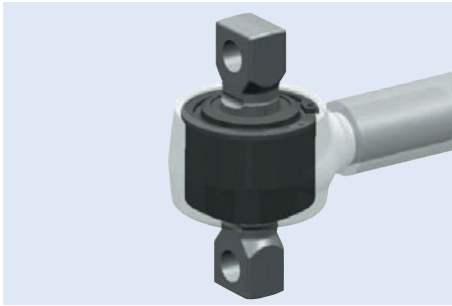
| suitable for                    | Order no.    | Comparative no.    |
|---------------------------------|--------------|--------------------|
| Mercedes-Benz Intouro I (O 560) | 9072 933 017 | Lemförder 35767 01 |
| Setra S 417 UL                  |              |                    |



### Repair kit for transverse link

|                       |                 |
|-----------------------|-----------------|
| Installation location | front axle, top |
| Outer Ø               | 75 mm           |
| Inner Ø               | 19 mm           |
| Thickness             | 48/66 mm        |

| suitable for                                             | Order no.    |
|----------------------------------------------------------|--------------|
| Mercedes-Benz Turismo II                                 | 9472 933 000 |
| Setra S 411/415 HD, S 415/417 HDH, S 417 GT-HD, S 419 UL |              |



**LEMFÖRDER** 

### Repair kit for trailing link/transverse link

|                        |                   |
|------------------------|-------------------|
| Installation location  | front axle        |
| Bearing version        | molecular bearing |
| Bore hole Ø            | 21/21 mm          |
| Distance between holes | 130/130 mm        |

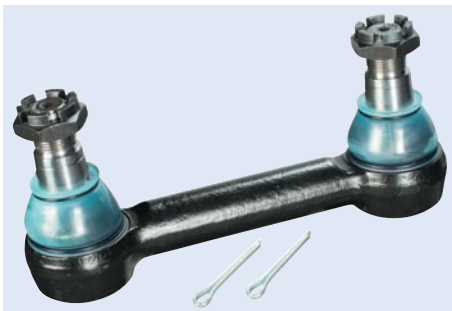
| suitable for                                                                          | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Irisbus</b> Arès, Axer<br><b>Neoplan</b> Cityliner (N 12XX),<br>Starliner (N 52XX) | <b>9070 946 401</b> | Lemförder 29464 01 |



### Rubber bearing bush for wishbone link and transverse link

|         |              |
|---------|--------------|
| Outer Ø | 99,3/85,1 mm |
| Inner Ø | 68,9/60,2 mm |
| Length  | 46,8 mm      |

| suitable for          | Order no.           |
|-----------------------|---------------------|
| <b>Setra</b> S 309 HD | <b>9280 019 400</b> |



**EURO  
PART** 

### Coupling rod

|        |        |
|--------|--------|
| Length | 200 mm |
| Pipe Ø | 31 mm  |
| Cone-Ø | 30 mm  |

| suitable for                                                                                                                                                                                                                                                                      | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Intouro I/II (O 560), Turismo II,<br>Travego I/II (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH,<br>S 431 DT, S 415/416/417 GT-HD, S 417/419 UL | <b>9070 001 025</b> |



**EURO  
PART** 

### Coupling rod

|         |                |
|---------|----------------|
| Length  | 284 mm         |
| Pipe Ø  | 36 mm          |
| Version | not adjustable |
| Cone-Ø  | 26 mm          |

| suitable for                       | Order no.           |
|------------------------------------|---------------------|
| <b>Scania</b> K94/114/124/360, L94 | <b>9070 325 363</b> |



**LEMFÖRDER** 

### Coupling rod

Installation location front axle  
Length 260 mm  
Cone-Ø 26 mm

**Scope of supply**  
with accessories

| suitable for                                             | Installation side | Order no.           | Comparative no.    |
|----------------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345) | left              | <b>9079 003 412</b> | Lemförder 30730 01 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345) | right             | <b>9070 030 731</b> | Lemförder 30731 01 |



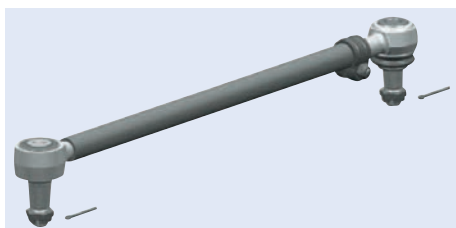
**LEMFÖRDER** 

### Coupling rod

Installation location rear axle  
Length 260 mm

**Scope of supply**  
with accessories

| suitable for                                                                                          | Installation side | Order no.           | Comparative no.    |
|-------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF, S 415 NF | left              | <b>9079 003 411</b> | Lemförder 30732 01 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF, S 415 NF | right             | <b>9079 003 414</b> | Lemförder 30733 01 |



**LEMFÖRDER** 

### Coupling rod

Installation location front axle  
Length 605 mm  
Pipe Ø 30 mm  
Version adjustable on one side  
Cone-Ø 26 mm

**Application range**  
wheel suspension

**Scope of supply**  
with accessories

| suitable for                                   | Order no.           | Comparative no.    |
|------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404 | <b>9051 985 400</b> | Lemförder 19854 01 |





**LEMFÖRDER** 

### Coupling rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Length                | 148 mm     |
| Pipe Ø                | 31 mm      |
| Cone-Ø                | 30 mm      |

| suitable for                                                                                                                                                                                                                                                                | Installation side | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I (O 560),<br>Tourismo II, Travego I/II (O 580)<br><b>Scania</b> Irizar PB<br><b>Setra</b> S 315/319 NF, S 315 UL, S 411/415 HD, S 416/417<br>HDH, S 415/416/417 GT-HD, S 415/417/419 UL<br><b>Temsa</b> Safari, Tourmalin | left              | <b>9463 200 232</b> | Lemförder 21533 01 |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I (O 560),<br>Tourismo II, Travego I/II (O 580)<br><b>Scania</b> Irizar PB<br><b>Setra</b> S 315/319 NF, S 315 UL, S 411/415 HD, S 416/417<br>HDH, S 415/416/417 GT-HD, S 415/417/419 UL<br><b>Temsa</b> Safari, Tourmalin | right             | <b>9463 200 132</b> | Lemförder 21534 01 |



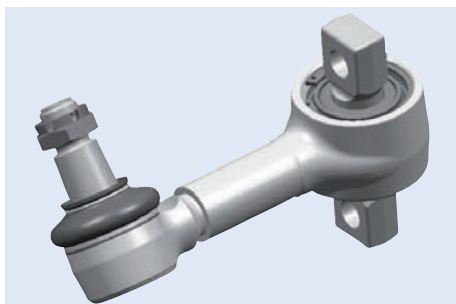
**LEMFÖRDER** 

### Coupling rod

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Length                | 148 mm     |
| Pipe Ø                | 31 mm      |
| Cone-Ø                | 30 mm      |

This figure corresponds to 9070 024 394

| suitable for                    | Installation side | Order no.           | Comparative no.    |
|---------------------------------|-------------------|---------------------|--------------------|
| <b>Setra</b> S 328 DT, S 431 DT | left              | <b>9079 014 760</b> | Lemförder 24393 01 |
| <b>Setra</b> S 328 DT, S 431 DT | right             | <b>9070 024 394</b> | Lemförder 24394 01 |



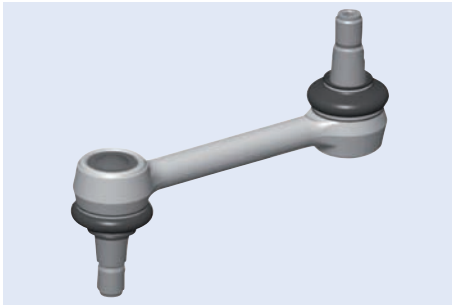
**LEMFÖRDER** 

### Coupling rod

|                        |            |
|------------------------|------------|
| Installation location  | front axle |
| Length                 | 150 mm     |
| Pipe Ø                 | 30 mm      |
| Cone-Ø                 | 26 mm      |
| Bore hole Ø            | 15 mm      |
| Distance between holes | 90 mm      |

This figure corresponds to 9050 692 550

| suitable for           | Installation side | Order no.           | Comparative no.    |
|------------------------|-------------------|---------------------|--------------------|
| <b>Scania</b> K124/380 | left              | <b>9050 692 550</b> | Lemförder 29393 01 |
| <b>Scania</b> K124/380 | right             | <b>9050 692 551</b> | Lemförder 29392 01 |



## LEMFÖRDER

### Coupling rod

Pipe Ø 25 mm  
Cone-Ø 28,6 mm

**Scope of supply**  
with accessories

This figure corresponds to 9075 419 460

| suitable for                                           | Installation location | Length | Order no.           | Comparative no.    |
|--------------------------------------------------------|-----------------------|--------|---------------------|--------------------|
| Volvo B12B, B12R, B13R                                 | front axle/rear axle  | 175 mm | <b>9073 610 188</b> | Lemförder 36101 01 |
| Volvo B5LH, B7L, B7R, B9L, B9R, B9TL, B12B, B12R, B13R | rear axle             | 150 mm | <b>9070 030 611</b> | Lemförder 30611 01 |
| Volvo B9R, B13R                                        | front axle/rear axle  | 150 mm | <b>9073 547 041</b> | Lemförder 35483 01 |
| Volvo B9TL                                             | front axle            | 220 mm | <b>9075 419 460</b> | Lemförder 36010 01 |

6

Axle and steering parts



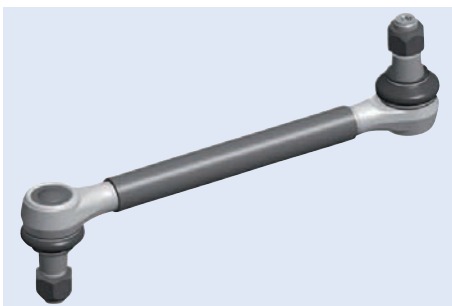
## LEMFÖRDER

### Coupling rod

Installation location rear axle  
Length 160 mm  
Pipe Ø 25 mm  
Version not adjustable  
Cone-Ø 30 mm

**Scope of supply**  
with accessories

| suitable for          | Order no.           | Comparative no.    |
|-----------------------|---------------------|--------------------|
| Volvo B5LH, B9L, B9TL | <b>9073 344 254</b> | Lemförder 33298 01 |



## LEMFÖRDER

### Coupling rod

Installation location rear axle  
suitable for 27 mm retaining plate  
Length 390 mm  
Pipe Ø 36 mm  
Cone-Ø 32 mm

**Scope of supply**  
with accessories

| suitable for | Order no.           | Comparative no.    |
|--------------|---------------------|--------------------|
| Volvo B9R    | <b>9072 142 073</b> | Lemförder 36506 01 |



This figure corresponds to 9053 612 201

**LEMFÖRDER** 

### Coupling rod for stabiliser

Length 167 mm  
Pipe Ø 31 mm  
Version not adjustable  
Cone-Ø 30 mm

**Scope of supply**  
with accessories

| suitable for             | Installation side | Order no.           | Comparative no.    |
|--------------------------|-------------------|---------------------|--------------------|
| <b>Irisbus</b> Eurorider | left              | <b>9053 612 201</b> | Lemförder 36122 01 |
| <b>Irisbus</b> Eurorider | right             | <b>9053 612 101</b> | Lemförder 36121 01 |



**LEMFÖRDER** 

### Coupling rod

Length 100 mm  
Pipe Ø 25 mm  
Version not adjustable  
Cone-Ø 26 mm

**Scope of supply**  
with accessories

| suitable for           | Order no.           | Comparative no.    |
|------------------------|---------------------|--------------------|
| <b>Iveco</b> CityClass | <b>9050 224 300</b> | Lemförder 22430 01 |



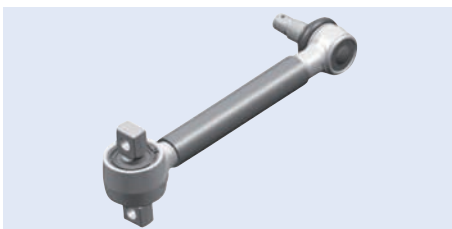
**LEMFÖRDER** 

### Coupling rod

Length 270 mm  
Cone-Ø 26 mm  
Bore hole Ø 18,2 mm

**Scope of supply**  
with accessories

| suitable for                                                       | Order no.           | Comparative no.    |
|--------------------------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF | <b>9050 003 404</b> | Lemförder 34042 01 |



**LEMFÖRDER** 

### Coupling rod

Length 293 mm  
Pipe Ø 36 mm  
Version not adjustable  
Cone-Ø 30 mm  
Bore hole Ø 15/15 mm  
Distance between holes 90 mm

| suitable for                           | Order no.           | Comparative no.    |
|----------------------------------------|---------------------|--------------------|
| <b>Scania</b> K94/114/124/360/380, L94 | <b>9073 101 546</b> | Lemförder 26769 01 |



**LEMFÖRDER**

### Coupling rod for stabiliser

Length 367 mm  
Pipe Ø 36 mm  
Cone-Ø 28,6 mm

**Scope of supply**  
with accessories

This figure corresponds to 9070 298 150

| suitable for                               | Installation side | Order no.    | Comparative no.    |
|--------------------------------------------|-------------------|--------------|--------------------|
| Scania Irizar PB<br>Volvo B12B, B12R, B13R | left              | 9073 098 601 | Lemförder 30986 01 |
| Scania Irizar PB<br>Volvo B12B, B12R, B13R | right             | 9070 298 150 | Lemförder 29815 01 |

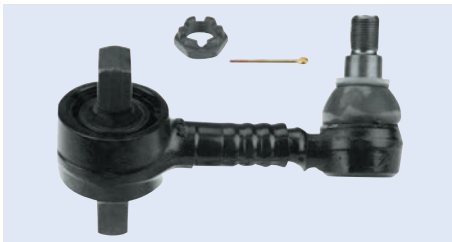


**TRW**

### Coupling rod

Model PROEQUIP  
Length 100 mm  
Pipe Ø 31 mm  
Cone-Ø 26 mm

| suitable for                                    | Order no.    | Comparative no. |
|-------------------------------------------------|--------------|-----------------|
| MAN Lion's City (A37/A47/A78)<br>Scania K94/360 | 9073 001 505 | TRW JTS0004     |



**TRW**

### Coupling rod

Model PROEQUIP  
Length 150 mm  
Pipe Ø 30 mm  
Cone-Ø 26 mm

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Scania K124/380 | 5362 939 201 | TRW JTS0014     |



**TRW**

### Coupling rod

Model PROEQUIP  
Installation location rear axle  
Length 220 mm  
Pipe Ø 31 mm  
Cone-Ø 30 mm

**Scope of supply**  
with accessories

| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B7L    | 9070 994 010 | TRW JTS4010     |

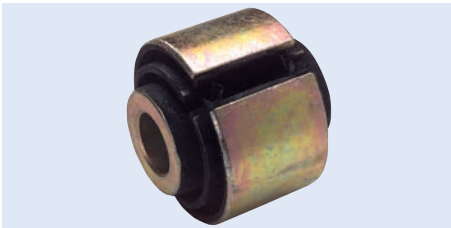


### Coupling rod

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Length                | 350 mm    |
| Pipe Ø                | 36 mm     |
| Cone-Ø                | 28,6 mm   |
| Outer thread          | M22 x 1,5 |

**Scope of supply**  
with locknuts

| suitable for   | Order no.    |
|----------------|--------------|
| Volvo B7R, B9R | 6170 261 236 |

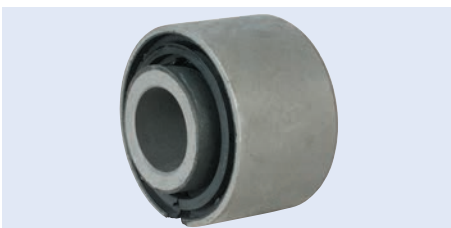


### Stabilizer mounting

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |

This figure corresponds to 5237 220 059

| suitable for                                                                                                     | Length | Inner Ø  | Outer Ø    | Order no.    |
|------------------------------------------------------------------------------------------------------------------|--------|----------|------------|--------------|
| Heuliez GX 217, 417<br>Volvo B9TL                                                                                | 73 mm  | 13/35 mm | 60,9/69 mm | 6170 003 608 |
| MAN Lion's City (A20/A23/A37/A47/A78), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), NG (A23), NÜ (A20)     | 47 mm  | 16 mm    | 50 mm      | 5237 220 059 |
| Neoplan Centroliner (N 45XX), Cityliner (N 12XX), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516) |        |          |            |              |
| Scania K94/114/124, L94                                                                                          | 90 mm  | 60 mm    |            | 8000 798 776 |

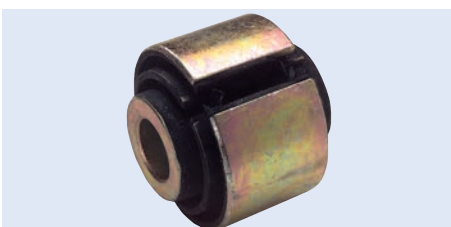


### Stabilizer mounting

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |

This figure corresponds to 9290 001 116

| suitable for                                      | Length | Inner Ø | Outer Ø | Order no.    |
|---------------------------------------------------|--------|---------|---------|--------------|
| Heuliez GX 217, 417<br>Volvo B9TL                 | 81 mm  | 16 mm   | 78 mm   | 6170 003 609 |
| Mercedes-Benz Tourino (O 510), Tourismo I (O 350) | 49 mm  | 20 mm   | 48 mm   | 9290 001 116 |



### Stabilizer mounting

|                       |                     |
|-----------------------|---------------------|
| Installation location | front axle          |
| Installation side     | left/right, outside |
| Length                | 47 mm               |
| Inner Ø               | 16 mm               |
| Outer Ø               | 47 mm               |

| suitable for                     | Order no.    |
|----------------------------------|--------------|
| MAN NG (A23), NL (A21), NÜ (A20) | 1593 000 130 |



### Stabilizer mounting

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |
| Length                | 100 mm     |
| Width                 | 70 mm      |
| Inner Ø               | 38,5 mm    |

| suitable for               | Order no.    |
|----------------------------|--------------|
| Scania K360, OmniCity CN94 | 8000 006 610 |



### Stabilizer mounting

|                   |            |
|-------------------|------------|
| Installation side | left/right |
|-------------------|------------|

This figure corresponds to 6170 367 007

| suitable for                                                                                                    | Installation location | Length | Inner Ø | Outer Ø | Order no.    |
|-----------------------------------------------------------------------------------------------------------------|-----------------------|--------|---------|---------|--------------|
| Fast Scoler II                                                                                                  | rear axle, top        | 73 mm  | 38 mm   | 58 mm   | 6421 557 315 |
| MAN Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                                              | front axle            | 50 mm  | 46 mm   | 76 mm   | 6170 367 007 |
| Neoplan Cityliner (N 12XX), Skyliner (2011-),<br>Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516) |                       |        |         |         |              |



### Stabilizer mounting

|                       |                      |
|-----------------------|----------------------|
| Installation location | front axle/rear axle |
| Installation side     | left/right           |
| Length                | 104 mm               |
| Inner Ø               | 65 mm                |
| Outer Ø               | 95/103 mm            |

| suitable for            | Order no.    |
|-------------------------|--------------|
| Scania K94/114/124, L94 | 9800 127 054 |



### Stabilizer mounting

|                       |                  |
|-----------------------|------------------|
| Installation location | rear axle, inner |
| Length                | 61 mm            |
| Inner Ø               | 50 mm            |
| Outer Ø               | 64,5 mm          |

| suitable for   | Order no.    |
|----------------|--------------|
| Fast Scoler II | 6421 071 511 |

You'll find a silent bearing tool on page 662.





### Stabilizer mounting

Installation location rear axle, inner  
Installation side left/right

This figure corresponds to 6170 262 108

| suitable for         | Length       | Inner Ø | Outer Ø      | Order no.           |
|----------------------|--------------|---------|--------------|---------------------|
| <b>Fast Scoler I</b> | 76,5/61,5 mm | 38 mm   | 64,5/81,5 mm | <b>6421 071 512</b> |
| <b>Volvo B9R</b>     | 77 mm        | 56 mm   | 107 mm       | <b>6170 262 108</b> |



### Stabilizer mounting

Installation location rear axle  
Installation side left/right

This figure corresponds to 6175 182 722

| suitable for                                                      | Length | Inner Ø | Outer Ø  | Order no.           |
|-------------------------------------------------------------------|--------|---------|----------|---------------------|
| <b>Irisbus</b> Arway, Evadys, Récréo II<br><b>Iveco</b> CityClass | 80 mm  | 40 mm   | 74 mm    | <b>2592 520 448</b> |
| <b>Volvo</b> B9TL, B12B, B12R, B13R                               | 95 mm  | 45 mm   | 80/92 mm | <b>6175 182 722</b> |



### Stabilizer mounting for link rod

Installation location rear axle  
Installation side left/right  
Length 130 mm  
Outer Ø 69 mm  
Bore hole Ø 15 mm

| suitable for                           | Order no.           |
|----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Turismo I (O 350) | <b>9460 109 947</b> |



### Stabilizer mounting

Installation location rear axle  
Installation side left/right  
Height 64,5 mm  
Inner Ø 56 mm

| suitable for            | Order no.           |
|-------------------------|---------------------|
| <b>Setra</b> 300 series | <b>1593 103 001</b> |



### Stabilizer mounting

|                       |            |
|-----------------------|------------|
| Installation location | rear axle  |
| Installation side     | left/right |
| Length                | 74/150 mm  |
| Outer Ø               | 91 mm      |

| suitable for      | Order no.           |
|-------------------|---------------------|
| <b>Volvo B10B</b> | <b>6171 136 891</b> |



### Stabilizer mounting

|                   |        |
|-------------------|--------|
| Installation side | inside |
| Length            | 95 mm  |

This figure corresponds to 9290 002 210

| suitable for                                        | Installation location | Inner Ø | Outer Ø  | Order no.           |
|-----------------------------------------------------|-----------------------|---------|----------|---------------------|
| <b>Volvo B7R, B9R, B10B, B10M, B12B, B12R</b>       | rear axle, bottom     | 54 mm   | 78,5 mm  | <b>9290 002 200</b> |
| <b>Volvo B9R, B10B, B10M, B12, B12B, B12R, B13R</b> | rear axle, top        | 50 mm   | 78/91 mm | <b>9290 002 210</b> |



### Stabilizer mounting

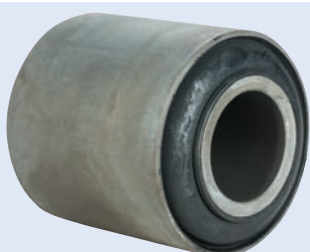
|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Length                | 95 mm     |
| Inner Ø               | 53 mm     |
| Outer Ø               | 80/92 mm  |

| suitable for                             | Order no.           |
|------------------------------------------|---------------------|
| <b>Volvo B9R, B10B, B10M, B12B, B12R</b> | <b>9070 027 851</b> |

### Stabilizer mounting

|                        |         |
|------------------------|---------|
| Outer Ø                | 57,5 mm |
| Bore hole Ø            | 12 mm   |
| Distance between holes | 88 mm   |

| suitable for                                                       | Order no.           |
|--------------------------------------------------------------------|---------------------|
| <b>Irisbus Arway, Eurorider, Evadys HD/HDH, Magelys, Récréo II</b> | <b>2590 300 848</b> |



### Stabilizer mounting

|         |         |
|---------|---------|
| Length  | 64 mm   |
| Inner Ø | 28 mm   |
| Outer Ø | 57,5 mm |

| suitable for             | Order no.           |
|--------------------------|---------------------|
| <b>Irisbus Eurorider</b> | <b>6170 000 178</b> |
| <b>Volvo B10B, B12</b>   |                     |



### Stabilizer mounting

This figure corresponds to 9460 105 325

| suitable for                                                | Length | Inner Ø | Outer Ø  | Order no.           |
|-------------------------------------------------------------|--------|---------|----------|---------------------|
| <b>Mercedes-Benz</b> O 407, O 408                           | 40 mm  | 54,5 mm | 97 mm    | <b>1530 000 002</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                        | 38 mm  | 17 mm   | 38 mm    | <b>9460 105 325</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3 | 63 mm  | 32 mm   | 59 mm    | <b>3060 007 724</b> |
| <b>Volvo</b> B10M                                           | 96 mm  | 60 mm   | 74/90 mm | <b>6170 000 201</b> |



### Stabilizer mounting

This figure corresponds to 6176 875 470

| suitable for               | Length | Inner Ø | Outer Ø     | Order no.           |
|----------------------------|--------|---------|-------------|---------------------|
| <b>Mercedes-Benz</b> O 404 | 60 mm  | 62 mm   | 70/78 mm    | <b>9460 109 981</b> |
| <b>Volvo</b> B7, B7F       | 69 mm  | 43 mm   | 56/61/62 mm | <b>6176 875 470</b> |
| <b>Volvo</b> B7, B7F       | 106 mm | 45 mm   | 71 mm       | <b>9290 002 180</b> |



### Stabilizer mounting

Inner Ø 44 mm

| suitable for           | Order no.           |
|------------------------|---------------------|
| <b>Scania</b> K124/360 | <b>6170 127 087</b> |



### Stabilizer mounting

Length 76 mm  
Inner Ø 59 mm  
Outer Ø 90 mm

| suitable for      | Order no.           |
|-------------------|---------------------|
| <b>Volvo</b> B10M | <b>6179 519 245</b> |



## Stabilizer mounting

This figure corresponds to 6170 001 299

| suitable for                                                      | Length | Inner Ø | Outer Ø  | Order no.           |
|-------------------------------------------------------------------|--------|---------|----------|---------------------|
| <b>Volvo</b> B6R, B7R, B9L, B9R, B9S, B9TL, B12, B12M, B12R, B13R | 50 mm  | 17,5 mm | 31/45 mm | <b>6170 000 397</b> |
| <b>Volvo</b> B7, B7F                                              | 60 mm  | 45 mm   | 60 mm    | <b>6170 001 299</b> |



## Stabiliser bearing section

|         |        |
|---------|--------|
| Length  | 150 mm |
| Width   | 75 mm  |
| Inner Ø | 37 mm  |
| Outer Ø | 70 mm  |

| suitable for                      | Order no.           |
|-----------------------------------|---------------------|
| <b>Heuliez</b> GX 217, 417        | <b>6170 921 972</b> |
| <b>Volvo</b> B7L, B9L, B9TL, B12B |                     |



## Stabiliser bearing section

|                       |              |
|-----------------------|--------------|
| Installation location | front axle   |
| Inner Ø               | 50 mm        |
| Material              | rubber/metal |

This figure corresponds to 5247 040 076

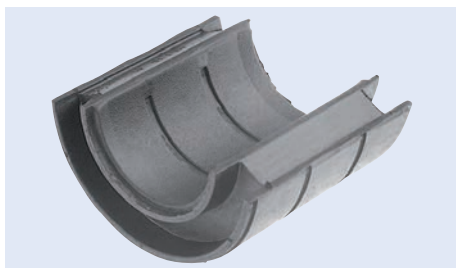
| suitable for                                                                                                        | Installation side | Outer Ø | Width | Thickness | Order no.           |
|---------------------------------------------------------------------------------------------------------------------|-------------------|---------|-------|-----------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A26/A37/A39/A47/A78), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | centre            | 75 mm   | 50 mm | 12,5 mm   | <b>1599 004 100</b> |
| <b>MAN</b> Lion's City (A21/A25/26/A39), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                  | left/right        | 68 mm   | 60 mm | 9 mm      | <b>5247 040 076</b> |



## Stabiliser bearing section

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |
| Length                | 70/81 mm   |
| Inner Ø               | 45 mm      |
| Outer Ø               | 75 mm      |

| suitable for                                                                                                                                                                                                                                                                                                                                                          | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 415/416/417 GT-HD, S 415 NF, S 415 UL | <b>1224 605 000</b> |



### Stabiliser bearing section

Length 60 mm  
Inner Ø 38 mm  
Outer Ø 65 mm

| suitable for                            | Order no.           |
|-----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | <b>9460 109 936</b> |

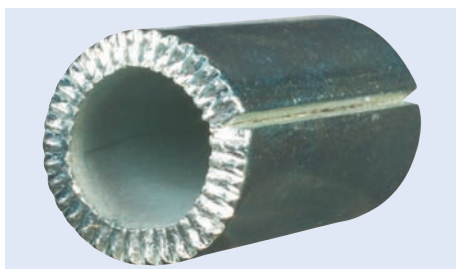


### Stabiliser bearing section

Installation location rear axle  
Installation side left/right

This figure corresponds to 1597 200 420

| suitable for                           | Length   | Inner Ø | Outer Ø | Order no.           |
|----------------------------------------|----------|---------|---------|---------------------|
| <b>Scania</b> K94/114/124/360/380, L94 | 70/81 mm | 56 mm   | 94 mm   | <b>1597 200 420</b> |
| <b>Scania</b> K94/114/124/360/380, L94 | 80 mm    | 56 mm   | 92,5 mm | <b>2592 521 481</b> |



### Sleeve for stabiliser bearing

Length 45 mm  
Inner Ø 17 mm  
Outer Ø 25 mm

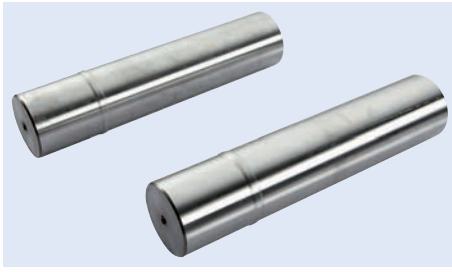
| suitable for              | Order no.           |
|---------------------------|---------------------|
| <b>Volvo</b> B7, B7F, B7R | <b>6170 000 181</b> |



### Bushing

Installation location front axle  
Installation side left/right  
Length 47 mm  
Inner Ø 36 mm  
Outer Ø 60 mm

| suitable for                         | Order no.           |
|--------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510) | <b>9463 231 786</b> |



## Kingpin

|                       |             |
|-----------------------|-------------|
| Installation location | front axle  |
| Installation side     | left, right |
| Bolt length           | 223 mm      |
| Bolt-Ø                | 50/51 mm    |

suitable for

**Mercedes-Benz** Citaro I/C2 (O 530), Cito (O 520), O 405 N, Travego I (O 580)  
**Setra** S 411/415 HD, S 415/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 417/419 UL

Order no.

9463 320 006



## Kingpin kit

front axle V9-72L-01, V9-72GL-02/-03, trailing axle HN9.GL-01

|             |        |
|-------------|--------|
| Bolt length | 223 mm |
| Bolt-Ø      | 50 mm  |

### Scope of supply

1 king pin, 1 socket, 1 needle roller bearing, 1 thrust bearing, 6 shim washers, 2 seal shaft rings, 2 O-rings, 2 lock washers, 2 circlips, 2 lubrication nipples

suitable for

**Fast Syter**  
**MAN** Lion's City (A21), Lion's Classic Ü (A72), NG (A23), NÜ (A20)

Order no.

5234 420 523



## Kingpin kit

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |
| Bolt length           | 252 mm     |
| Bolt-Ø                | 36/50 mm   |

### Application range

for front axle load 7.5, 8, 13 and 15 t with air suspension

### Scope of supply

without bearing

suitable for

**Heuliez** GX 217, 417  
**Volvo** B7L, B10B, B10M, B12B

Order no.

1599 003 600



## Kingpin kit

|             |          |
|-------------|----------|
| Bolt length | 224 mm   |
| Bolt-Ø      | 40/45 mm |

### Scope of supply

1 kingpin, 1 bush, 2 sealing rings, 6 washers, 2 O-rings

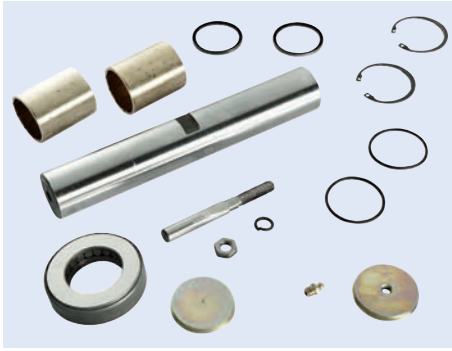
suitable for

**Scania** K114/124/360/380

Order no.

8000 012 672





## Repair kit

### Kingpin

Bolt length 241 mm  
Bolt-Ø 40 mm

### Scope of supply

1 kingpin, 2 bushes, 1 thrust bearing, 2 sealing washers, 2 lock washers, 2 O-rings, 2 retaining rings, 1 wedge bolt, 1 spring washer, 1 nut, 1 grease nipple

### suitable for

Irisbus PR100-2

### Order no.

1583 000 150



## Repair kit

### Kingpin

### suitable for

**MAN** Lion's City (A20/A21/A23/A25/A26/A37/A39/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A21)  
**Neoplan** Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)

### Order no.

5821 330 037

### Comparative no.

MAN 81.44205-6037



## Repair kit

### Kingpin

Installation location front axle  
Bolt length 174 mm  
Bolt-Ø 35 mm

### suitable for

**MAN** EL (A12), NG (A11), NL (A10/A15)

### Order no.

1587 201 100



## Repair kit

### Kingpin

Version without lubrication pipe connection  
Bolt length 222 mm  
Bolt-Ø 50/51 mm

### Scope of supply

1 kingpin, 2 bushes, 1 thrust bearing, 2 sealing washers, 2 O-rings, 2 lock washers, 2 retaining rings

### suitable for

**Mercedes-Benz** O 405 N

### Order no.

1583 004 600



(Illustration similar)

## Repair kit

### Kingpin

|                       |                                |
|-----------------------|--------------------------------|
| Installation location | front axle, drag link arm side |
| Installation side     | left                           |
| Bolt length           | 223 mm                         |
| Bolt-Ø                | 50 mm                          |

### Scope of supply

2 top needle bearings, 2 bottom needle bearings , 1 thrust bearing , 2 O-rings, 1 top seal, 1 bottom seal, 2 caps, 2 circlips

### without kingpin

| suitable for                                           | Order no.    |
|--------------------------------------------------------|--------------|
| Mercedes-Benz Conecto I (O 345), O 405 N, O 407, O 408 | 9363 300 719 |



(Illustration similar)

## Repair kit

### Kingpin

|                       |                                |
|-----------------------|--------------------------------|
| Installation location | front axle, track rod arm side |
| Installation side     | right                          |
| Bolt length           | 222,5 mm                       |
| Bolt-Ø                | 50 mm                          |

### Scope of supply

4 needle roller bearings, 1 thrust bearing, 1 sealing ring

### without kingpin

| suitable for                                           | Order no.    |
|--------------------------------------------------------|--------------|
| Mercedes-Benz Conecto I (O 345), O 405 N, O 407, O 408 | 9363 300 619 |



(Illustration similar)

## Repair kit

### Kingpin

|                       |                    |
|-----------------------|--------------------|
| Installation location | track-rod arm side |
| Installation side     | left               |
| Bolt length           | 223 mm             |
| Bolt-Ø                | 50 mm              |

### Scope of supply

2 top needle bearings, 2 bottom needle bearings, 1 thrust bearing, 1 sealing ring, 1 thrust collar

### without kingpin

| suitable for                   | Order no.    |
|--------------------------------|--------------|
| Mercedes-Benz Citaro I (O 530) | 9460 066 235 |



(Illustration similar)

## Repair kit

### Kingpin

|                       |                                |
|-----------------------|--------------------------------|
| Installation location | front axle, drag link arm side |
| Installation side     | right                          |
| Bolt length           | 223 mm                         |
| Bolt-Ø                | 50 mm                          |

### Scope of supply

2 top needle bearings, 2 bottom needle bearings, 1 thrust bearing, 1 sealing ring, 1 thrust collar

### without kingpin

| suitable for                   | Order no.    |
|--------------------------------|--------------|
| Mercedes-Benz Citaro I (O 530) | 9460 066 328 |



## Repair kit

### Kingpin

Installation location front axle  
Installation side left, right  
Bolt length 216 mm  
Bolt-Ø 45 mm

### Scope of supply

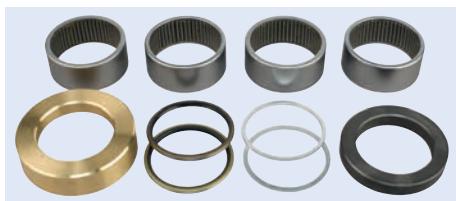
with bearing, single set

### suitable for

**Mercedes-Benz** Tourismo I (O 350)

### Order no.

**9460 111 045**



## Repair kit

### Kingpin

Installation location front axle, drag link arm side  
Installation side left  
Bolt length 223 mm  
Bolt-Ø 50 mm

### Scope of supply

4 needle roller bearings, 1 black sealing washer, 1 green sealing washer, 1 large thrust washer, 1 small thrust washer, 2 flat sealing rings

### without kingpin

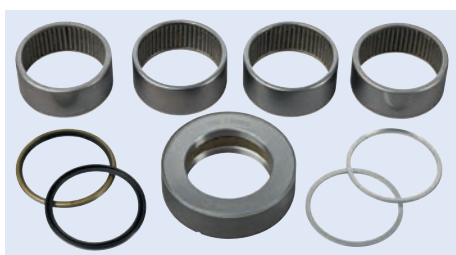
### suitable for

**Mercedes-Benz** O 408

**Setra** S 411 HD

### Order no.

**9460 111 086**



## Repair kit

### Kingpin

Installation location front axle, track rod arm side  
Installation side right  
Bolt length 223 mm  
Bolt-Ø 50 mm

### Application range

for vehicles with drum brakes

### Scope of supply

1 cylindrical roller bearing, 4 needle roller bearings, 1 black sealing washer, 1 green sealing washer, 2 flat sealing washers

### suitable for

**Mercedes-Benz** O 408

**Setra** S 411 HD, S 417 GT-HD

### Order no.

**9460 111 044**

*Please note our kingpin press kit on page 659.*



## Repair kit

### Kingpin

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Bolt length           | 229 mm     |
| Bolt-Ø                | 45 mm      |

| suitable for                                                                                                                                                     | Installation side | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | left              | <b>9468 004 300</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | right             | <b>9468 004 320</b> |



## Repair kit

### Kingpin

|             |          |
|-------------|----------|
| Bolt length | 237 mm   |
| Bolt-Ø      | 40/53 mm |

### Scope of supply

1 kingpin, 1 spherical plain bearing, 2 sealing washers, 2 castle nuts, 1 taper roller bearing

| suitable for                                       | Order no.           |
|----------------------------------------------------|---------------------|
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B13R | <b>6170 751 021</b> |



## Repair kit

### Kingpin

|             |           |
|-------------|-----------|
| Bolt length | 232 mm    |
| Bolt-Ø      | 40/60 mm  |
| Thread      | M40 x 1,5 |

### Scope of supply

1 kingpin, 1 bush, 2 axial seals, 2 O-rings, 1 split pin, 3 grease nipples, without bearing

| suitable for          | Order no.           |
|-----------------------|---------------------|
| <b>Volvo</b> B7R, B9R | <b>1325 095 015</b> |

## Sealing ring

### for steering knuckle

| suitable for                                                                                                                                                   | Height | Inner Ø | Outer Ø | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, EL, ND, NG, NL, NM, SÜ, ÜL<br><b>Neoplan</b> Centroliner, Cityliner, Tourliner, Trendliner | 2 mm   | 24,5 mm | 29 mm   | <b>5231 900 822</b> |
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Star, EL, NG, NL, NM, SÜ, ÜL<br><b>Mercedes-Benz</b> O 404, O 405, O 407, O 408                   | 4 mm   | 50 mm   | 58 mm   | <b>9460 245 820</b> |



## Shaft sealing ring for kingpin

|         |       |
|---------|-------|
| Design  | B2    |
| Height  | 8 mm  |
| Inner Ø | 50 mm |
| Outer Ø | 70 mm |

| suitable for                                | Order no.           |
|---------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>8002 444 086</b> |

## Needle bearing

|         |       |
|---------|-------|
| Height  | 25 mm |
| Inner Ø | 50 mm |
| Outer Ø | 58 mm |

| suitable for                                                                                  | Order no.           |
|-----------------------------------------------------------------------------------------------|---------------------|
| <b>Irisbus</b> Agora, Citelis                                                                 | <b>6421 064 681</b> |
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Star, EL, ND, NG, NL, NM, SÜ, ÜL |                     |



## Circlip for kingpin

|           |         |
|-----------|---------|
| Inner Ø   | 58 mm   |
| Thickness | 2 mm    |
| Standard  | DIN 472 |

| suitable for                                                    | Order no.           |
|-----------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's Classic, Lion's Coach, ND, NG, NL, NM, SÜ, ÜL | <b>1593 200 280</b> |
| <b>Neoplan</b> Skyliner, Tourliner                              |                     |



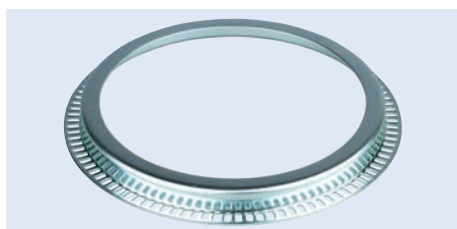
## Sealing cap for kingpin

This figure corresponds to 5231 286 224

| suitable for                                                                                            | Outer Ø | Thickness | Order no.           |
|---------------------------------------------------------------------------------------------------------|---------|-----------|---------------------|
| <b>Irisbus</b> Agora, Citelis                                                                           | 58,5 mm | 9,5 mm    | <b>1325 053 230</b> |
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, ND, NG, NL, NM, SÜ, ÜL | 68 mm   | 5 mm      | <b>5231 286 224</b> |
| <b>Neoplan</b> Centroliner, Cityliner, Starliner, Tourliner, Trendliner                                 |         |           |                     |

## ABS ring

| suitable for                            | Height | Inner Ø      | Outer Ø | Order no.           |
|-----------------------------------------|--------|--------------|---------|---------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | 18 mm  | 150,5/160 mm | 172 mm  | <b>9460 156 970</b> |
| <b>Scania</b> K124/360/380              | 8,5 mm | 126 mm       | 170 mm  | <b>8000 117 165</b> |
| <b>Scania</b> K94/114/124/360, L94      | 8,5 mm | 126 mm       | 164 mm  | <b>5830 041 012</b> |
| <b>Volvo</b> B7R, B9R, B12B, B12R       | 7 mm   | 140 mm       | 164 mm  | <b>3510 030 351</b> |



**ABS ring**

This figure corresponds to 1593 102 550

| suitable for                                                                                                                                                                  | Installation location | Height | Inner Ø  | Outer Ø      | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|----------|--------------|---------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I (O 580)<br><b>Setra</b> S 411 HD, S 416 HDH, S 431 DT, S 415/416/417 GT-HD, S 417/419 UL | rear axle             | 16 mm  | 153 mm   | 176/195,5 mm | <b>1593 102 550</b> |
| <b>Mercedes-Benz</b> Integro II (O 550), Travego I (O 580)<br><b>Setra</b> S 411 HD, S 415/416/417 GT-HD, S 417 UL                                                            | front axle            | 12 mm  | 156 mm   | 164/188 mm   | <b>1593 102 551</b> |
| <b>Scania</b> K114                                                                                                                                                            |                       | 20 mm  | 172,5 mm | 188,5 mm     | <b>6030 442 296</b> |

6



**WABCO**  
**Speed sensor**

This figure corresponds to 0210 326 240

| suitable for                                                                                                                                                              | Installation side | Length  | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------|---------------------|---------------------|
| <b>Irisbus</b> Eurorider                                                                                                                                                  |                   | 2050 mm | <b>2103 298 000</b> | WABCO 441 032 980 0 |
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass                                                                                                                        |                   | 2050 mm | <b>0210 328 580</b> | WABCO 441 032 858 0 |
| <b>Irisbus</b> New Domino<br><b>Iveco</b> CityClass                                                                                                                       |                   | 1250 mm | <b>0210 328 550</b> | WABCO 441 032 855 0 |
| <b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                     | left              | 2065 mm | <b>0210 322 880</b> | WABCO 441 032 288 0 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | right             | 2065 mm | <b>0210 322 890</b> | WABCO 441 032 289 0 |
| <b>MAN</b> NL (A10)                                                                                                                                                       |                   | 2000 mm | <b>0210 320 830</b> | WABCO 441 032 083 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 407                                                                                                                             | left              | 2900 mm | <b>0210 326 230</b> | WABCO 441 032 623 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 407                                                                                                                             | right             | 2900 mm | <b>0210 326 240</b> | WABCO 441 032 624 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Tourino (O 510)<br><b>Solaris</b> Urbino III                                                                                    | left              | 3000 mm | <b>0210 324 560</b> | WABCO 441 032 921 0 |
| <b>Mercedes-Benz</b> Citaro I (O 530)<br><b>VDL</b> Berkhof Ambassador                                                                                                    | right             | 3000 mm | <b>0210 327 270</b> | WABCO 441 032 727 0 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Tourino (O 510)                                                                                                                   | left              | 2500 mm | <b>0210 329 200</b> | WABCO 441 032 920 0 |
| <b>Mercedes-Benz</b> O 407                                                                                                                                                | left/right        | 2055 mm | <b>0210 326 460</b> | WABCO 441 032 646 0 |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                              | left              | 1430 mm | <b>0210 326 710</b> | WABCO 441 032 671 0 |

*Continued on the next page ...*



... continued from the previous page

| suitable for                                                                                                                                                | Installation side | Length  | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407                                                                                                                         | right             | 2055 mm | <b>0210 326 470</b> | WABCO 441 032 647 0 |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 411 HD, S 416/417 HDH, S 431 DT, S 415/416 GT-HD, S 417/419 UL | left/right        | 235 mm  | <b>3600 324 260</b> | WABCO 441 035 345 0 |
| <b>Solaris</b> Urbino III                                                                                                                                   | right             | 3000 mm | <b>0210 329 420</b> | WABCO 441 032 942 0 |
| <b>Van Hool</b> A330                                                                                                                                        |                   | 2000 mm | <b>0210 325 720</b> | WABCO 441 032 814 0 |



**WABCO**  
Clamping sleeve

| suitable for                                                                                                                                                                                                                                                                                          | Length | Inner Ø | Outer Ø | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|---------|---------------------|
| <b>Heuliez</b> GX 327<br><b>Irisbus</b> Arès, Arway, Citelis, Eurorider, Evadys HD, Iliade, Magleys HD/Pro<br><b>Iveco</b> CityClass<br><b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Setra</b> S 431 DT                                                                                          | 33 mm  | 15 mm   | 18,8 mm | <b>3600 024 304</b> |
| <b>Iveco</b> CityClass<br><b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT<br><b>Volvo</b> B12B | 32 mm  | 16,6 mm | 18,8 mm | <b>0687 605 104</b> |



**WABCO**

**Speed sensor  
for ABS**

Type S plus

This figure corresponds to 0210 329 200

| suitable for                                            | Length  | Colour | Order no.           | Comparative no.     |
|---------------------------------------------------------|---------|--------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530)                   | 2000 mm | black  | <b>0210 329 672</b> | WABCO 441 032 823 0 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Tourino (O 510) | 2500 mm | orange | <b>0210 329 200</b> | WABCO 441 032 920 0 |
| <b>Solaris</b> Urbino III                               | 3000 mm | orange | <b>0210 329 420</b> | WABCO 441 032 942 0 |
| <b>Volvo</b> B10B, B12B LE                              | 1700 mm |        | <b>0210 329 642</b> | WABCO 441 032 964 2 |

6

Axle and steering parts



**WABCO**

**Clamping sleeve  
for ABS sensor**

Order no.

0687 598 154

(Illustration similar)

**KNORR-BREMSE**

**Speed sensor**

| suitable for                                                                                                                   | Version                        | Installation side | Length     | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|------------|---------------------|---------------------|
| <b>Heuliez</b> GX 117, 327<br><b>Irisbus</b> Agora, Arès,<br>Citelis, Citelis CNG,<br>Eurorider, Evadys, Iliade,<br>New Domino | round plug, right-angled       | left              | 2000±15 mm | <b>3400 182 100</b> | Knorr 0486000182100 |
| <b>Heuliez</b> GX 117, 327<br><b>Irisbus</b> Agora, Arès,<br>Citelis, Citelis CNG,<br>Eurorider, Evadys, Iliade,<br>New Domino | round plug, right-angled       | right             | 1990±15 mm | <b>3400 183 100</b> | Knorr 0486000183100 |
| <b>Heuliez</b> GX 127, 317<br><b>Irisbus</b> Agora, Arès,<br>Citelis, Iliade                                                   | with square plug, right-angled |                   | 2100±15 mm | <b>2590 185 857</b> | Knorr 0265050141000 |
| <b>Irisbus</b> Eurorider                                                                                                       | with round plug, right-angled  | left              | 1700±50 mm | <b>3450 403 240</b> | Knorr 0486001066100 |
| <b>Irisbus</b> Eurorider                                                                                                       | round plug, straight           | right             | 2050±50 mm | <b>3450 403 241</b> | Knorr 0486001077100 |



## Speed sensor

This figure corresponds to 5231 206 172

| suitable for                                                                                                                                           | Version                            | Length     | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Magelys HD                                                                                                                       | with round plug, right-angled      | 1390±15 mm | <b>3400 000 400</b> | Knorr 0486000040000 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                            | without connector                  |            | <b>3600 011 618</b> | Knorr 0486000133000 |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL |                                    |            |                     |                     |
| <b>MAN</b> Lion's City (A20), NG (A23), NL (A21)                                                                                                       | with square plug, right-angled     | 2150±20 mm | <b>5231 206 172</b> | Knorr 0486000255N00 |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216)                                                                                                |                                    |            |                     |                     |
| <b>MAN</b> Lion's City (A20), NG (A23), NL (A21)                                                                                                       | with square plug, right-angled     | 2150±20 mm | <b>5231 206 173</b> | Knorr 0486000254N00 |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216)                                                                                                |                                    |            |                     |                     |
| <b>MAN</b> Lion's City (A21)                                                                                                                           | with round plug, right-angled      | 2000±20 mm | <b>3400 046 178</b> | Knorr 0486000238N00 |
| <b>MAN</b> Lion's City (A21), EL (A12), NG (A11), NL (A10/A15)                                                                                         | with round plug, right-angled      | 2000±20 mm | <b>3400 046 179</b> | Knorr 0486000240N00 |
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10/A15)                                                                                    | with round plug, right-angled      | 2000±20 mm | <b>3600 000 052</b> | Knorr 0486000241N00 |
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10/A15)                                                                                    | with round plug, right-angled      | 2000±20 mm | <b>3450 403 060</b> | Knorr 0486000242N00 |
| <b>MAN</b> NG (A23)                                                                                                                                    | with square plug, right-angled     | 2600±20 mm | <b>3450 403 250</b> | Knorr 0486002002000 |
| <b>MAN</b> NG (A23)                                                                                                                                    | with square plug, right-angled     | 2600±20 mm | <b>3450 403 245</b> | Knorr 0486002001000 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)                                                                                                            | with round connector, right-angled | 2000±50 mm | <b>3450 403 115</b> | Knorr 0486000101N00 |
| <b>Setra</b> S 315/319 NF, S 415 NF                                                                                                                    |                                    |            |                     |                     |
| <b>Volvo</b> B5LH, B9L, B9TL                                                                                                                           | with round plug, right-angled      | 2500±50 mm | <b>7565 042 755</b> | Knorr 0486000120N00 |

### Accessories

| Description     | Order no.           |
|-----------------|---------------------|
| Clamping sleeve | <b>3401 677 404</b> |



## Speed sensor for ABS

Version DGX/MGX100/Modal  
Connection Bushing  
Cable length 500 mm

| suitable for                                                                                                                                                                                                                                                                      | Order no.           | Comparative no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Travego I/II (O 580)<br><b>Setra</b> S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, S 411/415 HD, S 416/415/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 417/419 UL<br><b>Solaris</b> Urbino III<br><b>VDL</b> Citea | <b>3779 030 210</b> | Haldex 950364503 |



## Speed sensor

Length 905 mm

| suitable for                                                                   | Version                           | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------|-----------------------------------|---------------------|---------------------|
| <b>Neoplan</b> Tourliner (N 2216)<br><b>Temsa</b> Safari<br><b>Van Hool</b> T9 | primary rotational speed sensor   | <b>3600 002 426</b> | Bosch 0 281 002 426 |
| <b>Neoplan</b> Tourliner (N 2216)<br><b>Temsa</b> Safari<br><b>Van Hool</b> T9 | secondary rotational speed sensor | <b>3600 002 427</b> | Bosch 0 281 002 427 |



## Speed sensor

Version with cable

| suitable for                            | Length  | Order no.           |
|-----------------------------------------|---------|---------------------|
| <b>Scania</b> K114                      | 2780 mm | <b>1325 189 553</b> |
| <b>Scania</b> K114                      | 2120 mm | <b>1325 189 549</b> |
| <b>Scania</b> K94/114/124, L94          | 2740 mm | <b>1325 189 552</b> |
| <b>Scania</b> K94/114/124/360/380, L94  | 2740 mm | <b>1325 189 550</b> |
| <b>Scania</b> K94/114/124/360/380, L94  | 2260 mm | <b>1325 189 548</b> |
| <b>Scania</b> K94/114/124/360/380, L94  | 2260 mm | <b>1325 189 551</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9TL, B12B |         | <b>1325 025 540</b> |
| <b>Volvo</b> B7R, B9L, B9R, B12B, B13R  |         | <b>1325 052 332</b> |

This figure corresponds to 1325 025 540



## Speed sensor

Version with Mercedes-Benz connector  
Type S

| suitable for                            | Length  | Order no.           |
|-----------------------------------------|---------|---------------------|
| <b>Mercedes-Benz</b> O 405 N            | 2055 mm | <b>0210 327 310</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350) | 1585 mm | <b>0210 327 650</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350) | 1590 mm | <b>0210 327 670</b> |

(Illustration similar)



## Speed sensor

This figure corresponds to 1325 062 929

| suitable for                                                                                                                                                     | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                      | <b>1325 010 129</b> |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 313/315/317 UL, S 315/319 UL-GT, S 315/319 NF, SG 321 UL | <b>1325 062 918</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT                    | <b>1325 062 929</b> |
| <b>Volvo</b> B12B                                                                                                                                                | <b>6170 240 571</b> |

6

Axle and steering parts



**WABCO**

## ABS mini sensor

|                       |                      |
|-----------------------|----------------------|
| Type                  | S plus Axial Mini    |
| Installation location | front axle/rear axle |
| Length                | 2065 mm              |

This figure corresponds to 0210 322 830

| suitable for                       | Installation side | Order no.           | Comparative no.     |
|------------------------------------|-------------------|---------------------|---------------------|
| <b>Neoplan</b> Trendliner (N 3516) | left              | <b>0210 322 830</b> | WABCO 441 032 296 0 |
| <b>Neoplan</b> Trendliner (N 3516) | right             | <b>0210 322 840</b> | WABCO 441 032 297 0 |



**WABCO**

## ABS mini sensor

|                       |                   |
|-----------------------|-------------------|
| Type                  | S plus Axial Mini |
| Installation location | rear axle         |
| Length                | 2595 mm           |

This figure corresponds to 0210 322 860

| suitable for                                   | Installation side | Order no.           | Comparative no.     |
|------------------------------------------------|-------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A37), NL (A21) | left              | <b>0210 322 650</b> | WABCO 441 032 298 0 |
| <b>Neoplan</b> Centroliner (N 45XX)            |                   |                     |                     |
| <b>MAN</b> Lion's City (A20/A21/A37), NL (A21) | right             | <b>0210 322 860</b> | WABCO 441 032 299 0 |
| <b>Neoplan</b> Centroliner (N 45XX)            |                   |                     |                     |



## WABCO

### Speed sensor set

Type S plus  
Version coupling socket  
Length 1700 mm

#### Scope of supply

with grease and clamp bush

| suitable for               | Order no.    | Comparative no.     |
|----------------------------|--------------|---------------------|
| Volvo B7L, B9R, B12B, B12R | 0210 329 682 | WABCO 441 032 968 2 |

## WABCO

### ABS connection cable

Plug type Cannon  
Overall length 8000 mm  
Cable cross-section 2 x 0,75 mm<sup>2</sup>  
stripped length 100 mm

| suitable for  | Order no.    | Comparative no.     |
|---------------|--------------|---------------------|
| Van Hool A330 | 0767 110 800 | WABCO 449 711 080 0 |



### Wheel hub

#### with wheel bearing and pulse wheel

Installation location front axle  
Type VKBA 5377  
Width 130 mm  
Outer Ø 146 mm  
Inner Ø 70 mm

| suitable for                                                                                                                                                                                                                                                                                                               | Order no.    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Iveco</b> CityClass<br><b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | 8001 000 210 |



### Wheel hub

#### with wheel bearing and pulse wheel

Installation location front axle  
Installation side vehicle-dependent  
Width 112 mm  
Outer Ø 194 mm  
Inner Ø 70 mm  
Hole circle Ø 165 mm  
Number of holes 10

| suitable for                                                                                                                                              | Order no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Heuliez</b> GX 117, 327<br><b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Citelis, Citelis CNG, Crossway LE, Evadys, Iliade, Magelys HD, Récréo II | 6421 439 770 |





**Wheel hub**

This figure corresponds to 9870 102 496

| suitable for                                                                                                                                                                     | Version         | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550), Turismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/419 UL | with bearing    | <b>5822 356 016</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 411 HD, S 416 GT-HD, S 417 UL                                                                                           | without bearing | <b>9870 102 496</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407                                                                                                                           | without bearing | <b>1325 340 101</b> |
| <b>Mercedes-Benz</b> Intouro II, Turismo II, Travego II<br><b>Setra</b> S 416 GT-HD                                                                                              | without bearing | <b>5821 356 032</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407                                                                                                                                              | without bearing | <b>1325 356 201</b> |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                              | without bearing | <b>1325 067 611</b> |

*A suitable wheel hub extractor kit for stuck wheel hubs can be found on page 658.*

6

Axle and steering parts

## EUROPART® – a powerful brand

Alongside well-known manufacturer's brands, EUROPART also offers a strong assortment of its own-brand products with 6000 items from the various EUROPART ranges.

### Your advantages:

- Highest quality standards
- Maximum availability at 200 locations in 27 countries
- Increasing your competitiveness
- Consistent service package

**Top quality at a fair price.**





## Tapered roller bearing

(Illustration similar)

| suitable for                                                                                                                                                                                                                                                                                                  | Type         | Outer Ø | Inner Ø | Height   | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|---------|----------|---------------------|
| <b>Iveco</b> CityClass                                                                                                                                                                                                                                                                                        | 320 17XA     | 130 mm  | 85 mm   | 29 mm    | <b>8001 320 172</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                                                                                                                                                                   | 528 983      | 130 mm  | 70 mm   | 60 mm    | <b>8015 289 832</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345),<br>O 405 N, O 407                                                                                                                                                                                    | 323 10       | 110 mm  | 50 mm   | 42,5 mm  | <b>8001 323 102</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                                                                                                                     | 320 19XA     | 145 mm  | 95 mm   | 32 mm    | <b>8001 320 192</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                                                                                                                     | 330 21       | 160 mm  | 105 mm  | 43 mm    | <b>8001 330 212</b> |
| <b>MAN</b> NG (A23), NÜ (A20)                                                                                                                                                                                                                                                                                 | 330 19       | 145 mm  | 95 mm   | 39 mm    | <b>8001 330 192</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520),<br>Conecto I (O 345), O 404, O 405 N, O 407, O 408<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3,<br>S 328 DT, S 315 GT, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 431 DT                                        | 4270X        | 130 mm  | 70 mm   | 57 mm    | <b>8001 332 332</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3,<br>S 328 DT, S 315/319 NF                                                                                                                                                                | 320 21X      | 160 mm  | 105 mm  | 35 mm    | <b>8001 320 212</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550),<br>Intouro II, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/<br>319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD,<br>S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD,<br>S 415/417/419 UL | 330 22       | 170 mm  | 110 mm  | 49 mm    | <b>8001 330 222</b> |
| <b>Mercedes-Benz</b> Integro II (O 550), Travego I (O 580)<br><b>Setra</b> S 315/319 NF, S 315 UL, S 411/415 HD, S 415/<br>416/417 HDH, S 431 DT, S 415/416/417 GT-HD,<br>S 415/417 UL<br><b>Solaris</b> Urbino III                                                                                           | 323 12       | 130 mm  | 60 mm   | 48,5 mm  | <b>8001 323 122</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408,<br>Tourismo I (O 350)                                                                                                                                                                                                                                             | 332 10       | 90 mm   | 50 mm   | 34 mm    | <b>8001 332 102</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                                                          | 331 16       | 130 mm  | 80 mm   | 38,3 mm  | <b>8001 331 162</b> |
| <b>Mercedes-Benz</b> Tourino (O 510), Turismo I (O 350)                                                                                                                                                                                                                                                       | 330 20       | 150 mm  | 100 mm  | 39 mm    | <b>8001 330 202</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                                                                                                                        | KHM218248/10 | 147 mm  | 90 mm   | 42,1 mm  | <b>8012 102 482</b> |
| <b>Setra</b> S 411/415 HD, S 415/417 HDH                                                                                                                                                                                                                                                                      | 322 08A      | 80 mm   | 40 mm   | 24,75 mm | <b>8001 322 082</b> |
| <b>Solaris</b> Urbino III                                                                                                                                                                                                                                                                                     | 32314A       | 150 mm  | 70 mm   | 54 mm    | <b>8001 323 142</b> |



**Tapered roller bearing**

This figure corresponds to 8001 228 000

| suitable for                                                                                                                                                                          | Type           | Outer Ø   | Inner Ø  | Height   | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----------|----------|---------------------|
| <b>Irisbus</b> Agora, Arès, Citelis, Iliade                                                                                                                                           | VKHB 2192      | 160 mm    | 95 mm    | 46 mm    | <b>8001 219 200</b> |
| <b>Irisbus</b> Agora, Arès, Iliade                                                                                                                                                    | 332 16         | 140 mm    | 80 mm    | 46 mm    | <b>8001 332 160</b> |
| <b>Irisbus</b> Arès, Arway, Axer, Citelis, Crossway LE, Evadys, Iliade, Magelys, Récréo II                                                                                            | VKBA 5413      | 160 mm    | 90 mm    | 125 mm   | <b>8002 537 774</b> |
| <b>Irisbus</b> Arès, Iliade                                                                                                                                                           | VKHB 2066      | 125 mm    | 70 mm    | 41 mm    | <b>8001 332 140</b> |
| <b>Irisbus</b> Citelis                                                                                                                                                                | VKBA 5408      | 160 mm    | 105 mm   | 140 mm   | <b>5234 200 342</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A21)                                          |                |           |          |          |                     |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                         |                |           |          |          |                     |
| <b>Solaris</b> Urbino III                                                                                                                                                             |                |           |          |          |                     |
| <b>Volvo</b> B5LH, B9L, B9TL                                                                                                                                                          |                |           |          |          |                     |
| <b>Irisbus</b> Eurorider                                                                                                                                                              | VKHB 2251      | 100 mm    | 45 mm    | 38,25 mm | <b>8001 225 100</b> |
| <b>MAN</b> NG (A23), NL (A10), NÜ (A20)                                                                                                                                               | VKHB 2146      | 160 mm    | 105 mm   | 43 mm    | <b>8001 214 600</b> |
| <b>MAN</b> NG (A23), NL (A10), NÜ (A20)                                                                                                                                               | 330 21 QVB 401 | 160 mm    | 105 mm   | 43 mm    | <b>8001 330 213</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                                                                 | 330 14         | 110 mm    | 70 mm    | 31 mm    | <b>8001 330 140</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)                                                                    | 567 549        | 157 mm    | 100 mm   | 43,5 mm  | <b>9469 812 305</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 416 GT-HD/2, S 415/417/419 UL |                |           |          |          |                     |
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo I (O 350), Travego I (O 580)                                                                                                         | BT1-0084/Q     | 150 mm    | 70 mm    | 64 mm    | <b>8001 228 000</b> |
| <b>Setra</b> S 315/319 NF, S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417 UL                                                                     |                |           |          |          |                     |
| <b>Volvo</b> B12                                                                                                                                                                      |                |           |          |          |                     |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                  | VKHB 2326      | 130 mm    | 80 mm    | 37 mm    | <b>8001 232 600</b> |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                                                                                                                | 331 17         | 140 mm    | 85 mm    | 41 mm    | <b>8001 331 170</b> |
| <b>Volvo</b> B10B, B10M, B12                                                                                                                                                          | VKHB 2043      | 146,05 mm | 82,55 mm | 41,27 mm | <b>8001 204 300</b> |
| <b>Volvo</b> B10B, B10M, B12B                                                                                                                                                         | VKHB 2024      | 130 mm    | 70 mm    | 43 mm    | <b>8001 202 400</b> |
| <b>Volvo</b> B10B, B10M, B12B                                                                                                                                                         | VKHB 2036      | 112,73 mm | 57,16 mm | 30,4 mm  | <b>8001 203 600</b> |

## Tapered roller bearing

Outer Ø 168,28 mm  
Inner Ø 95,25 mm  
Height 43,28 mm

| suitable for                 | Order no.           |
|------------------------------|---------------------|
| <b>Volvo</b> B10B, B10M, B12 | <b>6170 002 628</b> |

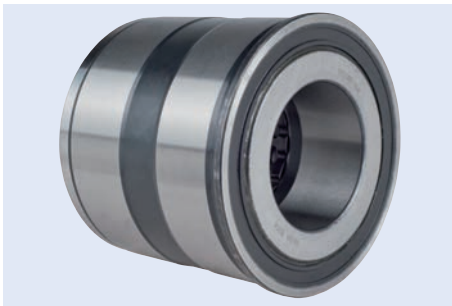


## Wheel bearing set

| suitable for                                             | Type      | Outer Ø    | Inner Ø  | Height   | Order no.           |
|----------------------------------------------------------|-----------|------------|----------|----------|---------------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass       | VKBA 5397 | 160 mm     | 90 mm    | 125 mm   | <b>8000 539 700</b> |
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass       | VKBA 5343 | 130/120 mm | 70/70 mm | 43/37 mm | <b>8001 534 300</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B12R, B13R | VKBA 5425 | 125 mm     | 68 mm    | 115 mm   | <b>1325 096 208</b> |
| <b>Volvo</b> B7R, B9R, B12B, B12R, B13R                  | VKBA 5423 | 148 mm     | 94 mm    | 134 mm   | <b>8001 036 050</b> |

6

Axle and steering parts



## Wheel bearing set

This figure corresponds to 8001 531 402

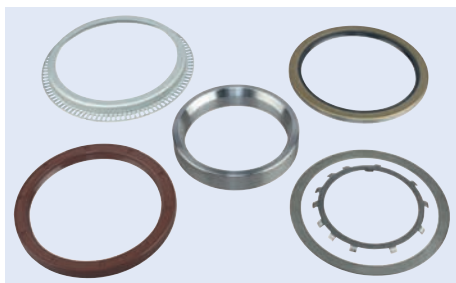
| suitable for                           | Outer Ø | Inner Ø | Height | Order no.           |
|----------------------------------------|---------|---------|--------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510)   | 130 mm  | 78 mm   | 90 mm  | <b>6959 812 205</b> |
| <b>Scania</b> K94/114/124/360/380, L94 | 127 mm  | 68 mm   | 115 mm | <b>8001 531 402</b> |



## Wheel bearing set

Outer Ø 130 mm  
Inner Ø 78 mm  
Height 90,5 mm

| suitable for                         | Order no.           |
|--------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510) | <b>8000 054 152</b> |



## Repair kit for wheel hub

|                       |            |
|-----------------------|------------|
| Installation location | rear axle  |
| Installation side     | left/right |
| Outer Ø               | 175 mm     |
| Inner Ø               | 145 mm     |
| Height                | 15 mm      |

### Scope of supply

1 thrust ring, 1 pulse wheel, 2 axial seals, 1 tab washer, 1 cover plate

### suitable for

**Mercedes-Benz** Citaro II (O 530), Tourismo I (O 350), Travego I (O 580)  
**Setra** S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 431 DT,  
 S 415/417 GT-HD, S 416 GT-HD/2

### Order no.

**9463 501 035**



## Repair kit for wheel hub

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Outer Ø               | 175 mm    |
| Inner Ø               | 145 mm    |

This figure corresponds to 8002 000 033

### suitable for

**Mercedes-Benz** Conecto I (O 345),  
 O 405, O 407, O 408  
**Mercedes-Benz** Integro II (O 550),  
 Travego I (O 580)  
**Setra** S 315 GT, S 315/317/319 GT-HD, S  
 313/315/319 UL, S 315/319 UL-GT,  
 SG 321 UL, S 411 HD, S 431 DT,  
 S 415 GT-HD

### Scope of supply

2 axial seals, 1 thrust ring, 1 cover plate, 1 seal, 1 O-ring,  
 1 locking plate, 2 sealing rings

### Height

13 mm

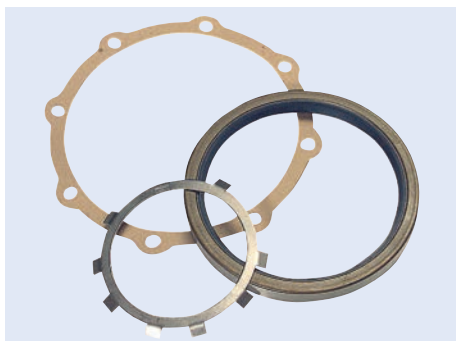
### Order no.

**9469 999 922**

1 axial seal, 1 thrust ring, 1 pulse wheel, 1 cover plate,  
 1 tab washer

17 mm

**8002 000 033**



## Repair kit for wheel hub

|                       |             |
|-----------------------|-------------|
| Installation location | rear axle   |
| Installation side     | left, right |
| Outer Ø               | 150 mm      |
| Inner Ø               | 125 mm      |
| Height                | 15 mm       |

### Scope of supply

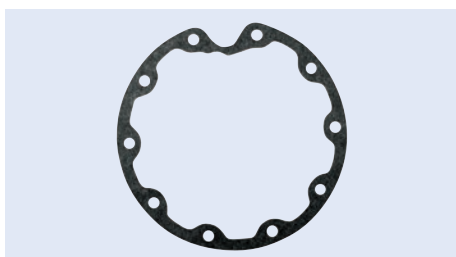
1 shaft seal, 1 seal, 1 locking washer

### suitable for

**Mercedes-Benz** Tourismo I (O 350)

### Order no.

**9460 006 120**



## Seal for external planetary gear

|           |        |
|-----------|--------|
| Outer Ø   | 276 mm |
| Inner Ø   | 247 mm |
| Thickness | 0,5 mm |

### suitable for

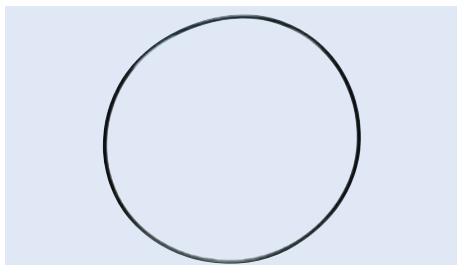
**MAN** NG (A11), NL (A10)

### Order no.

**1910 030 770**

## Seal for hub cover

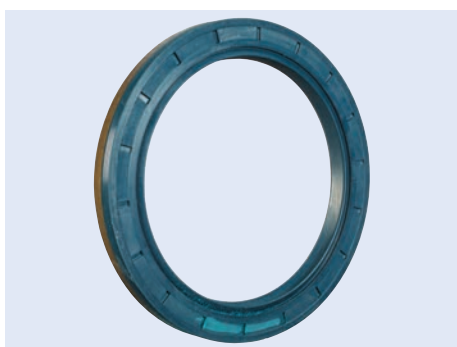
| suitable for       | Order no.    | Comparative no. |
|--------------------|--------------|-----------------|
| Solaris Urbino III | 1361 318 088 | ZF 0501 318 088 |



Wheel hub sealing ring

This figure corresponds to 8022 500 935

| suitable for                                                             | Inner Ø  | Thickness | Order no.    |
|--------------------------------------------------------------------------|----------|-----------|--------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>Setra</b> S 315/319 NF | 153 mm   | 3 mm      | 1325 075 948 |
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407                               | 255 mm   | 5 mm      | 8022 501 210 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                               | 255 mm   | 5 mm      | 8022 500 935 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                     | 80 mm    | 3 mm      | 9461 970 045 |
| <b>Scania</b> K124/360                                                   | 125,5 mm | 3 mm      | 1325 117 074 |
| <b>Scania</b> K94/114/124/360/380, L94                                   | 162 mm   | 5,75 mm   | 1325 017 093 |
| <b>Solaris</b> Urbino III                                                |          |           | 1366 343 039 |
| <b>Volvo</b> B7R, B9R, B12B                                              | 140 mm   | 5,5 mm    | 1325 065 014 |



**VICTOR REINZ**

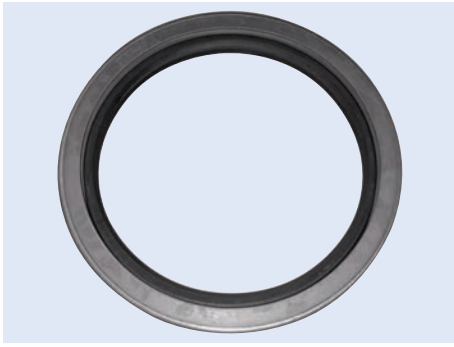


Shaft sealing ring

This figure corresponds to 8002 814 172

| suitable for                                                                                                                                                                         | Outer Ø | Inner Ø | Width    | Order no.    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------|--------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio,<br>Lion's Star, EL, ND, NG, NL, SÜ, ÜL<br><b>Neoplan</b> Centroliner, Cityliner, Skyliner, Starliner, Trendliner | 140 mm  | 120 mm  | 13 mm    | 8022 505 239 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), O 405 N,<br>O 407, O 408                                                                                                   | 130 mm  | 100 mm  | 13 mm    | 8002 814 172 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345),<br>Tourismo I (O 350), Travego I (O 580)                                                                                   | 120 mm  | 115 mm  | 21 mm    | 8002 535 921 |
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408                                                                                                                                    | 175 mm  | 145 mm  | 18/20 mm | 8029 317 140 |
| <b>Volvo</b> B10B, B10M, B12B                                                                                                                                                        | 140 mm  | 110 mm  | 19 mm    | 8002 532 677 |





**Shaft sealing ring**

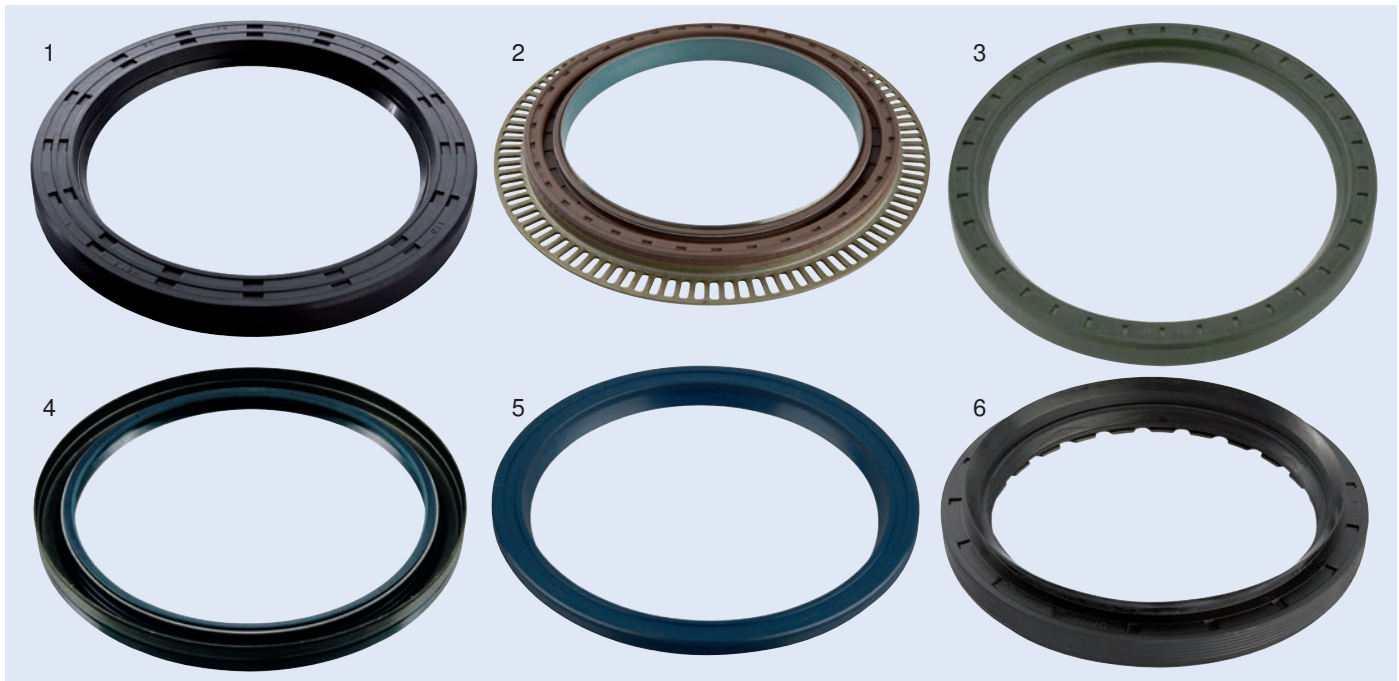
| suitable for                                                                                           | Outer Ø  | Inner Ø | Height     | Order no.           |
|--------------------------------------------------------------------------------------------------------|----------|---------|------------|---------------------|
| <b>Irisbus</b> PR100-2                                                                                 | 68 mm    | 52 mm   | 7 mm       | <b>1325 053 300</b> |
| <b>MAN</b> Lion's City, Lion's Classic, EL, ND, NG, NL, NM, SÜ, ÜL                                     | 52 mm    | 42 mm   | 5 mm       | <b>5233 790 262</b> |
| <b>MAN</b> Lion's City, Lion's Classic, EL, ND, NG, NL, NM, SÜ, ÜL                                     | 95 mm    | 75 mm   | 10/9,5 mm  | <b>6170 420 492</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Travego I (O 580), Tourismo II | 175 mm   | 145 mm  | 8 mm       | <b>8002 972 818</b> |
| <b>Setra</b> S 431 DT, S 417 GT-HD                                                                     |          |         |            |                     |
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408                                                      | 150 mm   | 120 mm  | 15 mm      | <b>8002 979 395</b> |
| <b>Setra</b> S 411, S 412, S 415-417, S 419, S 431 DT                                                  |          |         |            |                     |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                 | 175 mm   | 145 mm  | 16 mm      | <b>8002 979 912</b> |
| <b>Setra</b> S 416 HDH, S 419 UL                                                                       |          |         |            |                     |
| <b>Volvo</b> B6, B7, B7F, B7L, B7R                                                                     | 150 mm   | 127 mm  | 13 mm      | <b>1325 077 119</b> |
| <b>Volvo</b> B7R, B9R, B12B, B13R                                                                      | 148,3 mm | 125 mm  | 8,1/9,3 mm | <b>1325 018 642</b> |



**Shaft sealing ring**

This figure corresponds to 8002 536 551

| suitable for                                                                                       | Outer Ø | Inner Ø | Height | Order no.           |
|----------------------------------------------------------------------------------------------------|---------|---------|--------|---------------------|
| <b>MAN</b> Lion's Classic, NL, SÜ, ÜL                                                              | 130 mm  | 100 mm  | 12 mm  | <b>8002 535 828</b> |
| <b>Mercedes-Benz</b> Citaro (O 530), Conecto (O 345), O 404, O 405, O 407, O 408, Tourismo (O 350) | 58 mm   | 51 mm   | 4 mm   | <b>8002 538 658</b> |
| <b>Mercedes-Benz</b> Tourino (O 510), Tourismo I (O 350)                                           | 150 mm  | 125 mm  | 14 mm  | <b>8002 536 551</b> |

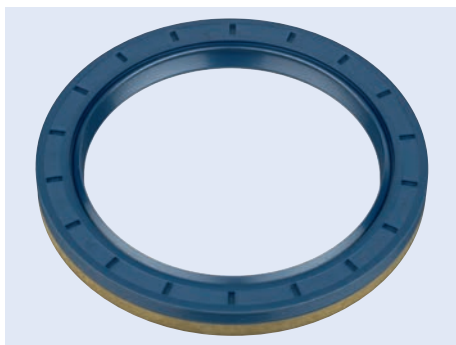


## Shaft sealing ring

| suitable for                                                                                                                                               | Installation location | Outer Ø | Inner Ø | Height   | Fig. | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|---------|----------|------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                |                       | 130 mm  | 100 mm  | 12 mm    | 1    | <b>8002 972 833</b> |
| <b>MAN</b> NL (A10)<br><b>Mercedes-Benz</b> O 405 N, O 408                                                                                                 | rear axle             | 175 mm  | 145 mm  | 14 mm    | 2    | <b>8002 000 031</b> |
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Tourismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 415/416/417 GT-HD,<br>S 415/417/419 UL | rear axle,<br>inner   | 175 mm  | 145 mm  | 12/14 mm | 3    | <b>8002 972 816</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                 | rear axle,<br>inner   | 175 mm  | 145 mm  | 14 mm    | 4    | <b>8002 979 998</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT                                                               | inside                | 105 mm  | 86 mm   | 6 mm     | 5    | <b>9469 978 947</b> |
| <b>Volvo</b> B10B, B10M, B12B                                                                                                                              |                       | 140 mm  | 110 mm  | 12/19 mm | 6    | <b>8022 502 499</b> |

## Shaft sealing ring for wheel hub

| suitable for              | Order no.           | Comparative no.    |
|---------------------------|---------------------|--------------------|
| <b>Solaris</b> Urbino III | <b>1362 035 115</b> | ZF 0501 318 107 01 |
| <b>Solaris</b> Urbino III | <b>1363 222 588</b> | ZF 0501 318 109 01 |
| <b>Solaris</b> Urbino III | <b>1365 012 216</b> | ZF 0501 322 160 01 |
| <b>Solaris</b> Urbino III | <b>1361 322 258</b> | ZF 0501 322 258 01 |
| <b>Solaris</b> Urbino III | <b>1366 433 029</b> | ZF 0634 313 029 01 |
| <b>Solaris</b> Urbino III | <b>1367 343 644</b> | ZF 0734 300 257 01 |



## Shaft sealing ring for 8-hole wheel connection

Axle type TZ3/2  
Outer Ø 150 mm  
Inner Ø 120 mm  
Height 12/15 mm

### suitable for

**Mercedes-Benz** Integro II (O 550), Tourismo I (O 350),  
Travego I (O 580)  
**Setra** S 315/319 NF, S 411/415 HD, S 415/416/417 HDH,  
S 431 DT, S 415/416/417 GT-HD, S 417 UL

### Order no.

**9460 245 939**



## Shaft sealing ring for 10-hole wheel connection

Axle type TZ5/2  
Installation location inside  
Outer Ø 150 mm  
Inner Ø 120 mm  
Height 14,3/20 mm

### suitable for

**Mercedes-Benz** Travego I (O 580)  
**Setra** S 416/417 GT-HD, S 417 UL

### Order no.

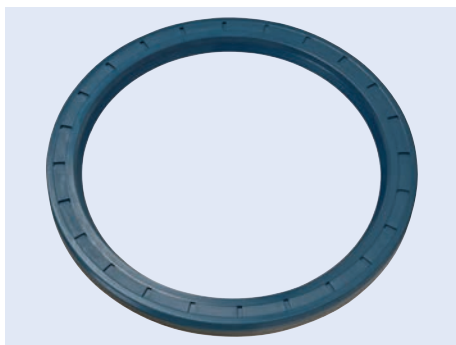
**8002 534 595**



## Shaft sealing ring for wheel hub

This figure corresponds to 8002 536 787

| suitable for                                                                                                                                                                                                                                                                                                                             | Installation location | Outer Ø    | Inner Ø | Height | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|---------|--------|---------------------|
| <b>Irisbus</b> Citelis<br><b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78),<br>Lion's Coach (R07/R08), Lion's Regio (R12/R13),<br>NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX),<br>Skyliner (N 1122/2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)<br><b>Solaris</b> Urbino III | rear axle, outer      | 160 mm     | 132 mm  | 10 mm  | <b>8002 536 787</b> |
| <b>MAN</b> NL (A10)                                                                                                                                                                                                                                                                                                                      | inside                | 175/205 mm | 145 mm  | 14 mm  | <b>8002 533 987</b> |



**Shaft sealing ring  
for wheel hub**

This figure corresponds to 8002 972 960

| suitable for                                                                                                                                                                                                                      | Installation location | Outer Ø      | Inner Ø | Height     | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|---------|------------|---------------------|
| <b>Iveco</b> CityClass                                                                                                                                                                                                            | front axle            | 130 mm       | 95 mm   | 16 mm      | <b>2590 001 510</b> |
| <b>MAN</b> Lion's City (A20/A21/A37), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A21)                                                                                                                          | rear axle             | 160 mm       | 132 mm  | 10 mm      | <b>6170 360 109</b> |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                                                                                              |                       |              |         |            |                     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)                                                                                                                                                                          | front axle, inner     | 130 mm       | 100 mm  | 13 mm      | <b>8002 984 197</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), O 407, O 408<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 431 DT | front axle, inner     | 81.5 mm      | 70 mm   | 6 mm       | <b>8002 921 857</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                                                                                        | rear axle, inner      | 175 mm       | 145 mm  | 13 mm      | <b>8002 972 960</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                                            | rear axle, inner      | 170 mm       | 142 mm  | 13,5/16 mm | <b>8000 012 634</b> |
| <b>Volvo</b> B10B, B10M, B12                                                                                                                                                                                                      | rear axle             | 188/192,5 mm | 198 mm  | 32 mm      | <b>6170 265 001</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B12B, B12R, B13R                                                                                                                                                                                |                       | 89,4 mm      | 78,5 mm | 6,5 mm     | <b>1325 065 026</b> |
| <b>Volvo</b> B9R, B12B                                                                                                                                                                                                            |                       | 111 mm       | 90 mm   | 7 mm       | <b>1325 065 000</b> |



**Shaft sealing ring  
for wheel hub**

Installation location rear axle, inner

This figure corresponds to 5235 030 001

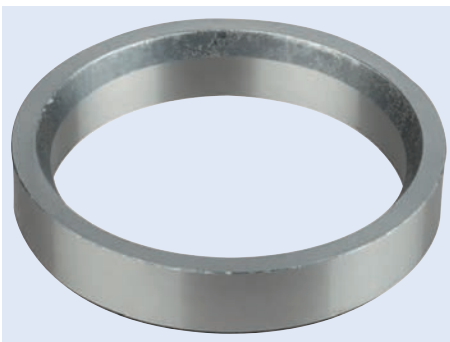
| suitable for                                                                          | Outer Ø | Inner Ø | Thickness | Order no.           |
|---------------------------------------------------------------------------------------|---------|---------|-----------|---------------------|
| <b>MAN</b> NG (A23), NÜ (A20)                                                         | 175 mm  | 135 mm  | 18 mm     | <b>1325 060 121</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345)<br><b>Setra</b> S 315/319 NF | 170 mm  | 130 mm  | 17 mm     | <b>5235 030 001</b> |



## Axle nut

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Thread                | M40 x 1,5  |
| Spanner size          | 0 mm       |

| suitable for                                               | Order no.           |
|------------------------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                | <b>6170 360 531</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350) |                     |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350) | <b>9460 112 440</b> |



## Ring for wheel hub

|                       |            |
|-----------------------|------------|
| Installation location | rear axle  |
| Installation side     | left/right |
| Outer Ø               | 145 mm     |
| Inner Ø               | 119 mm     |
| Height                | 26 mm      |

| suitable for                            | Order no.           |
|-----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | <b>1583 002 196</b> |



## Safety plate for axle nut

|                       |             |
|-----------------------|-------------|
| Installation location | rear axle   |
| Installation side     | left, right |
| Outer Ø               | 116 mm      |
| Inner Ø               | 101 mm      |
| Thickness             | 1,5 mm      |

| suitable for                                                                                         | Order no.           |
|------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro I (O 560),<br>Tourismo I (O 350), Travego I (O 580) | <b>1210 113 890</b> |
| <b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT                                                   |                     |



## Axle nut

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Thread                | M86 x 2   |
| Spanner size          | 105 mm    |

| suitable for      | Order no.           |
|-------------------|---------------------|
| <b>Volvo</b> B12B | <b>1325 076 335</b> |

## Wheel bolt

| suitable for                    | Order no.           | Comparative no.    |
|---------------------------------|---------------------|--------------------|
| <b>Heuliez</b> GX 117, 127, 327 | <b>1362 135 190</b> | ZF 4472 335 757 01 |
| <b>Irisbus</b> Citelis          |                     |                    |
| <b>Solaris</b> Urbino III       |                     |                    |
| <b>Van Hool</b> A320            |                     |                    |
| <b>VDL</b> Bova Futura          |                     |                    |
| <b>Solaris</b> Urbino III       | <b>1363 296 390</b> | ZF 0501 329 639 01 |



**Wheel bolt**

This figure corresponds to 2213 005 010

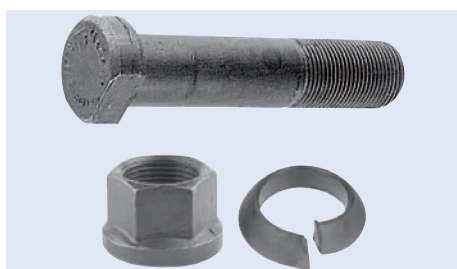
| suitable for                                                                                                                                                                                                                                                                                                              | Thread        | Length       | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|---------------------|
| <b>Heuliez</b> GX 117<br><b>Irisbus</b> Agora, Arès, Arway, Evadys, Iliade, Magelys                                                                                                                                                                                                                                       | M22 x 1,5     | 89 mm        | <b>6421 059 814</b> |
| <b>Heuliez</b> GX 127, 317, 327<br><b>Irisbus</b> Agora, Arès, Arway, Axer, Citelis, Crossway LE, Evadys, Iliade, Récréo II                                                                                                                                                                                               | M22 x 1,5     | 69/79,6 mm   | <b>6421 737 601</b> |
| <b>Heuliez</b> GX 317<br><b>Irisbus</b> Agora, Arès, Citelis, Iliade                                                                                                                                                                                                                                                      | M22 x 1,5     | 107 mm       | <b>2127 001 957</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408, Turismo I (O 350)                                                                                                                                                                                           | M22 x 1,5     | 90,5 mm      | <b>2213 003 100</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N, O 408                                                                                                                                                                                                                                        | M22 x 1,5     | 115,5 mm     | <b>2213 002 800</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT                                                                                                                                                                                           | M22 x 1,5     | 65/75,5 mm   | <b>2213 002 751</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                          | M22 x 1,5     | 80,5/91 mm   | <b>5230 000 250</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NÜ (A20)<br><b>Mercedes-Benz</b> O 404, O 405 N<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | M22 x 1,5     | 63/73,5 mm   | <b>5230 000 228</b> |
| <b>MAN</b> Lion's City (A21), NG (A11), NL (A10/A15)                                                                                                                                                                                                                                                                      | M22 x 1,5     | 105/115,5 mm | <b>2213 002 801</b> |
| <b>MAN</b> NL (A10)<br><b>Mercedes-Benz</b> O 405 N<br><b>Setra</b> S 411, S 412, S 415-417, S 419, S 431 DT                                                                                                                                                                                                              | M22 x 1,5     | 87 mm        | <b>2213 005 010</b> |
| <b>MAN</b> NL (A10)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT                                                                                                                                                                                                                                                 | M22 x 1,5     | 96,6 mm      | <b>2213 000 106</b> |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)<br><b>Setra</b> S 411 HD, S 415/417 GT-HD                                                                                                                                                                                                                                          | M22 x 1,5     | 68 mm        | <b>2213 000 105</b> |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Cito (O 520)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT                                                                                                                                                                                                             | M22 x 1,5     | 95,5 mm      | <b>2213 004 300</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416 GT-HD, S 415/417/419 UL                                                                                                     | M22 x 1,5     | 115/125,5 mm | <b>2213 012 874</b> |
| <b>Mercedes-Benz</b> O 404                                                                                                                                                                                                                                                                                                | M22 x 1,5     | 125/135,5 mm | <b>2213 005 020</b> |
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408                                                                                                                                                                                                                                                                         | M20 x 1,5     | 62/70 mm     | <b>2213 000 100</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                                                                      | M22 x 1,5     | 65/75,5 mm   | <b>9460 118 518</b> |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                                                                                                                                                                                   | 7/8" X 11 BSF | 81/92 mm     | <b>8000 011 455</b> |
| <b>Scania</b> K114/360                                                                                                                                                                                                                                                                                                    | 7/8" 11BSF-8  | 85/96 mm     | <b>2219 001 410</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                                                                                                                                    | 7/8" 11BSF-8  | 80,5 mm      | <b>2219 001 430</b> |

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| suitable for                                       | Thread        | Length       | Order no.           |
|----------------------------------------------------|---------------|--------------|---------------------|
| <b>Volvo</b> B10B, B10M                            | 7/8" 14 UNF   | 94 mm        | <b>2219 001 900</b> |
| <b>Volvo</b> B10B, B10M, B12                       | 7/8" 14 UNF   | 112 mm       | <b>2219 002 100</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B13R | M22 x 1,5     | 90 mm        | <b>2219 001 906</b> |
| <b>Volvo</b> B7L, B9TL, B10L                       | M22 x 1,5     | 100/110,5 mm | <b>2219 001 904</b> |
| <b>Volvo</b> B7R, B10R, B12                        | M22 x 1,5     | 122,5/133 mm | <b>2219 001 901</b> |
| <b>Volvo</b> B7R, B10R, B12, B12M                  | M22 x 1,5     | 105/115,5 mm | <b>2213 002 754</b> |
| <b>Volvo</b> B7R, B9R, B10M, B12B, B12M            | 7/8"-14 UNF   | 111/121 mm   | <b>8000 000 937</b> |
| <b>Volvo</b> B7R, B9R, B12B, B13R                  | M22 x 1,5     | 96/106,5 mm  | <b>6170 515 517</b> |
| <b>Volvo</b> B9R, B12B, B12R                       | 7/8"-14 UNF   | 103,5 mm     | <b>6170 759 800</b> |
| <b>Volvo</b> B9R, B12B, B12R                       | 7/8" x 14 UNF | 87 mm        | <b>1325 265 114</b> |



## Wheel bolt

Thread M22 x 1,5

This figure corresponds to 2213 006 291

| suitable for                                                                                                                                                                             | Length      | Scope of supply                      | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro (O 530), Conecto (O 345), Integro (O 550), Intouro (O 560), O 404, Turismo (O 350), Travego (O 580)<br><b>Setra</b> S 411, S 412, S 415-417, S 419, S 431 DT | 68 mm       | with wheel nut                       | <b>2173 000 313</b> |
| <b>Mercedes-Benz</b> O 404, Turismo I (O 350)                                                                                                                                            | 98/108,5 mm | with accessories, ring and wheel nut | <b>2213 006 291</b> |



## Wheel bolt

**Trilex®**

Thread M18 x 2  
Surface galvanised  
Property class 10.9  
Length 110 mm

**Scope of supply**  
complete

| suitable for                                                                                                              | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro (O 530), Cito (O 520), Conecto (O 345), O 405, O 407, O 408, Turismo (O 350), Travego (O 580) | <b>2214 102 300</b> |

## Accessories

| suitable for                                                | Description | Outer Ø | Order no.           |
|-------------------------------------------------------------|-------------|---------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405, O 407, O 408 | W clip      | 2 mm    | <b>2214 103 200</b> |
| <b>Mercedes-Benz</b> O 404, O 405, O 407, O 408             | Wheel nut   |         | <b>2214 103 000</b> |



## Retainer ring

|                       |                      |
|-----------------------|----------------------|
| Installation location | front axle/rear axle |
| Standard              | DIN ISO 74361 C      |
| Material              | Steel                |
| Outer Ø               | 34 mm                |
| Inner Ø               | 22,5 mm              |
| Thickness             | 8 mm                 |

| suitable for                                | Order no.           |
|---------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>2280 225 800</b> |
| <b>Mercedes-Benz</b> O 405, O 408           |                     |
| <b>Solaris</b> Urbino III                   |                     |



## Retainer ring

|         |         |
|---------|---------|
| Outer Ø | 32 mm   |
| Inner Ø | 20,2 mm |
| Height  | 6 mm    |

| suitable for                                      | Order no.           |
|---------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407, O 408 | <b>2270 202 060</b> |



## Bushing for rim centering

|         |       |
|---------|-------|
| Inner Ø | 22 mm |
|---------|-------|

| suitable for              | Outer Ø | Height | Order no.           |
|---------------------------|---------|--------|---------------------|
| <b>Solaris</b> Urbino III | 24,5 mm | 6 mm   | <b>6142 231 154</b> |
| <b>Solaris</b> Urbino III | 25 mm   | 20 mm  | <b>6142 231 153</b> |

This figure corresponds to 6142 231 154



## Wheel nut

This figure corresponds to 9464 011 072

| suitable for                                                                                                             | Version      | Spanner size | Thread                  | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-------------------------|---------------------|
| <b>Heuliez</b> GX 117, 127, 317, 327, 427                                                                                |              | 33 mm        | M22 x 1,5 <sup>2</sup>  | <b>9180 001 680</b> |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Citelis, Citelis CNG, Crossway LE, Evadys, Iliade, Magelys, Récréo II |              |              |                         |                     |
| <b>Heuliez</b> GX 117, 127, 317, 327, 427                                                                                |              | 33 mm        | M22 x 1,5               | <b>2219 000 690</b> |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Crossway LE, Evadys, Iliade, Magelys, Récréo                          |              |              |                         |                     |
| <b>Irisbus</b> Eurorider                                                                                                 | long sleeve  | 32 mm        | M22 x 1,5 <sup>2</sup>  | <b>2591 126 594</b> |
| <b>Irisbus</b> Eurorider                                                                                                 | short sleeve | 33 mm        | 7/8"-11BSF <sup>2</sup> | <b>1303 507 880</b> |

*Continued on the next page ...*

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| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Version      | Spanner size | Thread                    | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|---------------------------|---------------------|
| <b>Iveco</b> CityClass<br><b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Classic Ü (A72),<br>Lion's Coach (R07/R08), Lion's Regio (R12/R13), EL (A12),<br>NG (A11/A23), NL (A10/A15/A21), NÜ (A20)<br><b>Mercedes-Benz</b> Cito (O 520), O 404, O 405, O 408, Travego I (O 580)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-),<br>Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT,<br>S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 431 DT<br><b>Solaris</b> Urbino III |              | 32 mm        | M22 x 1,5 <sup>2</sup>    | <b>1303 221 551</b> |
| <b>MAN</b> Lion's Coach (R07)<br><b>Mercedes-Benz</b> Tourismo II<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)<br><b>Setra</b> S 416 GT-HD/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Long sleeve  | 32 mm        | M22 x 1,5 <sup>1</sup>    | <b>6136 320 452</b> |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)<br><b>Setra</b> S 416 GT-HD/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Short sleeve | 32 mm        | M22 x 1,5 <sup>1</sup>    | <b>6136 320 442</b> |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 416 GT-HD/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | long sleeve  | 32 mm        | M22 x 1,5 <sup>1</sup>    | <b>9464 011 072</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              | 33 mm        | 7/8" 11BSF-8 <sup>2</sup> | <b>2219 001 100</b> |
| <b>Volvo</b> B10B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              | 33 mm        | 7/8"-14UNF <sup>2</sup>   | <b>1303 387 881</b> |
| <b>Volvo</b> B10B, B10M, B12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | short sleeve | 33 mm        | 7/8"-14UNF <sup>2</sup>   | <b>6170 002 498</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B13R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | 33 mm        | M22 x 1,5                 | <b>2219 000 701</b> |
| <b>Volvo</b> B7L, B7R, B9R, B10B, B10M, B12, B12B, B12M, B12R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              | 33 mm        | 7/8" 14UNF <sup>2</sup>   | <b>2219 001 500</b> |

<sup>1</sup> geometrised

<sup>2</sup> phosphated

6

Axle and steering parts



Flat collar nut

This figure corresponds to 6136 324 199

| suitable for                                                                                                                                              | Height | Spanner size | Thread    | Ø     | Standard    | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------|-------|-------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520),<br>O 405 N, O 407, O 408<br><b>Solaris</b> Urbino III | 22 mm  | 30 mm        | M22 x 1,5 | 36 mm | DIN 74361 B | <b>1303 221 581</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404, O 405,<br>O 407, O 408, Tourismo (O 350)                                                                   | 15 mm  | 19 mm        | M14 x 1,5 | 27 mm | DIN 74361   | <b>6136 324 199</b> |

A set of centring sleeves for easy and problem-free installation of commercial vehicle wheels can be found on page 661.



### Truck wheel

Material steel  
Number of holes 10

(Illustration similar)

| Size        | Version                                                                      | Press-in depth | Order no.    |
|-------------|------------------------------------------------------------------------------|----------------|--------------|
| 22.5 x 7.5  | stud-centred (BZ)                                                            | 153 mm         | 8600 848 000 |
| 22.5 x 7.5  | stud-centred and hub-centred (BMZ), outside valve (ALV)                      | 153 mm         | 8600 220 301 |
| 22.5 x 7,5  | hub centered (MZ), outside valve (ALV)                                       | 153 mm         | 8602 920 531 |
| 22.5 x 8.25 | hub-centred (MZ), outside valve                                              | 152 mm         | 8600 292 386 |
| 22.5 x 9.00 | stud-centred and hub-centred, for single and twin tyres, outside valve (ALV) | 161 mm         | 8600 292 350 |
| 22.5 x 9,00 | hub centered (MZ), outside valve (ALV)                                       | 161 mm         | 8600 292 640 |



### Wheel cover

#### Type 1, universal fit

- fast fitting (approx. 2 minutes per wheel)
- no loosening of wheel bolts or nuts necessary
- the wheel can be removed without the cap having to be removed

Size 22,5"  
Material Stainless steel

#### Application range

for all rims with strongly swung rim flange

**Central cap not included in the scope of supply - please order separately**

| Installation location | Order no.    |
|-----------------------|--------------|
| front                 | 8610 704 100 |
| rear                  | 8610 704 200 |

#### Accessories

| Description | Order no.    |
|-------------|--------------|
| Central cap | 8604 501 505 |



*You'll find everything on the subject of tyre service on pages 640-649.*



### Wheel cover

#### Type 2

Size 22,5"  
Height 92 mm  
Surface polished

**Central cap not included in the scope of supply -  
please order separately**

| Installation location | Height | Order no.    |
|-----------------------|--------|--------------|
| front                 | 92 mm  | 8610 704 780 |
| rear                  | 24 mm  | 8610 704 900 |

#### Accessories

| Description | Order no.    |
|-------------|--------------|
| Central cap | 8604 501 505 |



### Wheel cover

Material stainless steel  
Surface polished  
Number of holes 10  
Bore hole  $\varnothing$  24 mm  
 $\varnothing$  335 mm

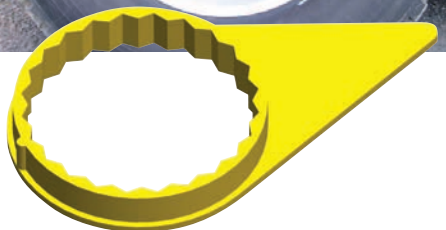
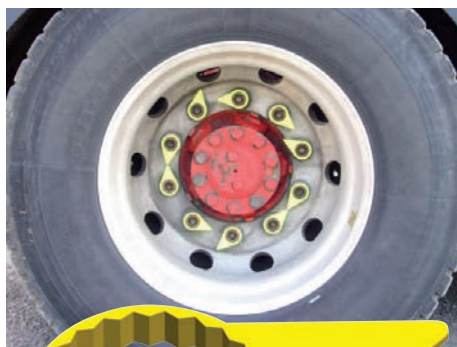
| Order no.    |
|--------------|
| 8600 702 500 |



### Wheel cover

suitable for rim 22.5"  
Version with clips  
Material ABS plastic  
Colour white

| Installation location | Order no.    |
|-----------------------|--------------|
| front axle            | 8601 800 002 |
| rear axle             | 8601 800 001 |



Other sizes and colours  
available on request.

### Wheel nut indicator

#### Checkpoint

Indicators for loose wheel nuts, are attached by being pushed onto the wheel nuts making simple control possible. A clearly visible change in alignment indicates a loosened wheel nut. The spanner size is embossed on the outside of the Checkpoint for easier assignment.

Packaging unit 100 pieces

| Spanner size | Order no.    |
|--------------|--------------|
| 24 mm        | 9245 660 101 |
| 30 mm        | 9245 660 103 |
| 32 mm        | 9245 660 100 |
| 33 mm        | 9245 660 104 |



Other sizes and colours  
available on request.

### Wheel nut indicator

#### Dustite LR

Indicators for loose wheel nuts, are attached by being pushed onto the wheel nuts making simple control possible. A clearly visible change in alignment indicates a loosened wheel nut. The pointer is attached at the top on the dust protection cap.

Packaging unit 100 pieces

#### Application range

Rims with ornamental wheel caps

| Spanner size | Order no.    |
|--------------|--------------|
| 32 mm        | 9245 660 118 |
| 33 mm        | 9245 660 119 |



Other sizes and colours  
available on request.

### Wheel nut indicator

#### Dustite

Indicators for loose wheel nuts, are attached by being pushed onto the wheel nuts making simple control possible. A clearly visible change in alignment indicates a loosened wheel nut, combined with a wheel nut dust protection cap

Packaging unit 100 pieces

| Spanner size | Order no.    |
|--------------|--------------|
| 32 mm        | 9245 660 113 |
| 33 mm        | 9245 660 114 |




**ROLLOCK**

### Wheel nut safety device

when correctly installed, prevents wheel nuts from coming loose, thereby avoiding loss of a wheel and hence the potential risk of a serious accident

Spanner size 32 mm  
Packaging unit 25 pieces

TÜV certificate in accordance with § 19/2 StVZO available

Order no.

5050 060 158

### Accessories

#### Description

Order no.

Striking tool

5050 060 159



### Wheel locking nut

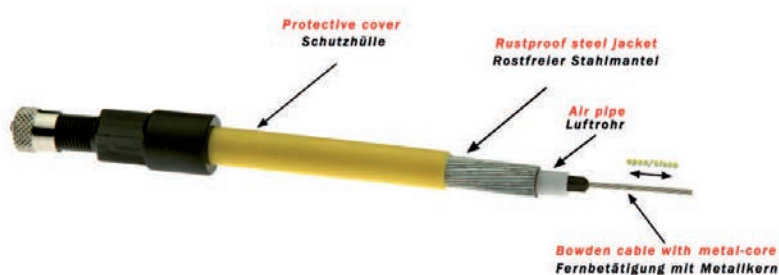
Loose wheel nuts on heavy goods vehicles represent an expensive, dangerous and unsolved problem. Thankfully, there is now a solution to this problem - the NORD-LOCK® wheel locking nuts (RS-nut). Loosening of wheel nuts is the main reason for wheel loss and can quickly cause accidents with serious consequences. The risk of accident as well as personal and material damage due to lost wheels are not the only consequences of loosening wheel nuts. If the wheel nuts loosen and provide the wheels with play, then the tyres also wear quicker. Uncentred wheels also cause higher fuel consumption. Frequent causes of wheel nuts coming loose include, for example, vibrations, unsuitable tightening tools, thermal expansion and contraction of the wheel nuts, braking and acceleration or axle oil loss onto the wheel nuts. Therefore, the new wheel locking nuts have a positive effect on the vehicle's maintenance.

Thread M22 x 1,5  
Spanner size 32 mm  
Packaging unit 20

Order no.

9900 623 823

*A torque multiplier and torque wrenches can be found on pages 645, 646 and 674.*



## Valve extension

as a replacement for conventional extensions

The most important advantages:

- **Breakproof** and flexible thanks to multi-layer design
- Can be used without rim holder
- **Pressureless** through remote actuation
- Air-pressure control without removing the hub caps
- Reduced danger of tyre faults
- Lower tyre wear
- Lower risk of accident
- **Approved by EvoBus GmbH and Mercedes-Benz Trucks**

### Application range

for twin tyres and all wheels with hub caps

| Length  | Order no.    |
|---------|--------------|
| 75 mm   | 9244 015 413 |
| 85 mm   | 9244 015 414 |
| 105 mm  | 2300 091 056 |
| 145 mm  | 9244 015 613 |
| 185 mm  | 9244 015 713 |
| 215 mm  | 9244 015 714 |
| 315 mm  | 9244 015 715 |
| 415 mm  | 9244 015 716 |
| 1000 mm | 9244 015 717 |

## Note:

Since July 1st 2012, valve extensions must also be tested during the vehicle safety test (MOT) and can lead to failure items.



## Check valve cap

Checking air pressure is often time-consuming. At up to 18 wheels per combination, this means: unscrew valve cap, check/increase pressure, screw valve on. and this is often in the freezing cold, with valves that are hard to reach or stiff valve caps that are hard to remove.

The consequences:

- very time-consuming and therefore expensive
- valve caps get lost - dirt and corrosion in the valve: safety hazard!
- The tyre pressure is not checked at all: additional costs and safety hazard!

The solution:

use check valve caps. These are screwed on instead of the original valve caps and do not need to be removed to check/increase the pressure. Checking and increasing pressure done practically through the valve caps.

The advantages:

- significant time and cost savings at every service
- time spent is reduced by about 60-65%
- Valve caps do not get lost: Increased safety!

Version with double seal



Order no.

9245 624 302

6

Axle and steering parts

# Suspension and damping

7



|                           |         |
|---------------------------|---------|
| Air suspension . . . . .  | 372-391 |
| Shock absorbers . . . . . | 392-395 |





## WABCO

### Central unit for ECAS

Voltage 24 V

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Iveco CityClass | 0760 555 080 | WABCO 446 055 508 0 |



## WABCO

### ECAS solenoid valve

Operating pressure max. 5-13 bar

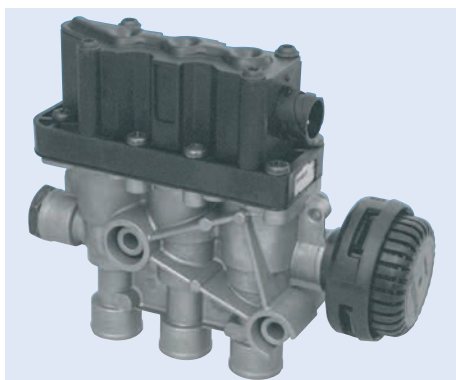
Protection class IP6K6K

Voltage 24 V

This figure corresponds to 0379 051 110

| suitable for                                                                                                                                                                                                  | Connection                        | Connection thread      | Order no.    | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------|--------------|---------------------|
| Iveco CityClass<br>Mercedes-Benz O 405 N                                                                                                                                                                      | 6 x M27 x 1                       | M22 x 1.5              | 0379 000 500 | WABCO 472 900 050 0 |
| MAN Lion's City (A20/A21/A23)<br>Mercedes-Benz Citaro I (O 530)<br>Neoplan Centroliner (N 45XX)<br>Solaris Urbino III                                                                                         | M22 x 1.5                         |                        | 0379 000 560 | WABCO 472 900 056 0 |
| MAN Lion's Coach (R08),<br>Lion's Regio (R13), Lion's Star (R03)<br>Mercedes-Benz Citaro II (O 530),<br>Integro II (O 550), Travego II<br>Neoplan Cityliner (N 12XX),<br>Skyliner (2011-), Starliner (N 52XX) | electric,<br>2 x bayonet DIN      | M22 x 1.5,<br>VOSS 230 | 0379 051 110 | WABCO 472 905 111 0 |
| Mercedes-Benz Citaro I (O 530)                                                                                                                                                                                | electric,<br>bayonet DIN          | M22 x 1.5              | 0379 000 600 | WABCO 472 900 060 0 |
| Mercedes-Benz Tourismo I (O 350)                                                                                                                                                                              | electric, M27 x 1 for<br>VOSS 230 | M22 x 1.5,<br>Parker   | 0379 000 210 | WABCO 472 900 021 0 |
| VDL Bova Magiq                                                                                                                                                                                                |                                   | M22 x 1.5<br>JED-388   | 0379 000 570 | WABCO 472 900 057 0 |



**WABCO****ECAS solenoid valve**

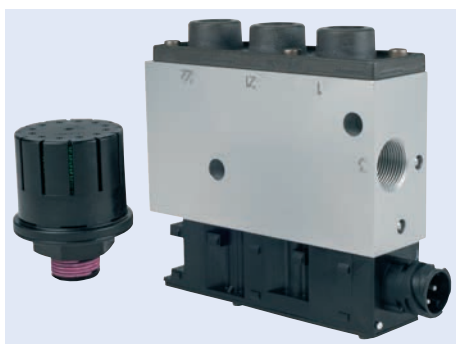
Operating pressure max. 5-13 bar bar  
 Protection class IP6K9K  
 Voltage 24 V

This figure corresponds to 0378 800 000

| suitable for                                                                                                                                                                                                                   | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37), Lion's Coach (R07),<br>Lion's Regio (R12), NG (A23)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216),<br>Trendliner (N 3516)<br><b>Scania</b> K360/380 | <b>6001 343 254</b> | WABCO 472 880 001 0 |
| <b>MAN</b> Lion's City (A21/A37/A47/A78)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                                | <b>0378 800 610</b> | WABCO 472 880 061 0 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)                                               | <b>3800 088 001</b> | WABCO 472 880 024 0 |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216)                                                                                                                                                             | <b>3808 800 500</b> | WABCO 472 880 050 0 |
| <b>MAN</b> Lion's Coach (R08)                                                                                                                                                                                                  | <b>0223 002 221</b> | WABCO 442 300 222 1 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Travego II<br><b>Scania</b> K360/380                                                                                                                                                | <b>0378 800 640</b> | WABCO 472 880 064 0 |
| <b>Setra</b> S 415 HD, S 416/417 GT-HD, S 415 NF, S 419 UL                                                                                                                                                                     |                     |                     |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 HD, S 415 NF                                                                                                                                                   | <b>0378 800 000</b> | WABCO 472 880 000 0 |

7

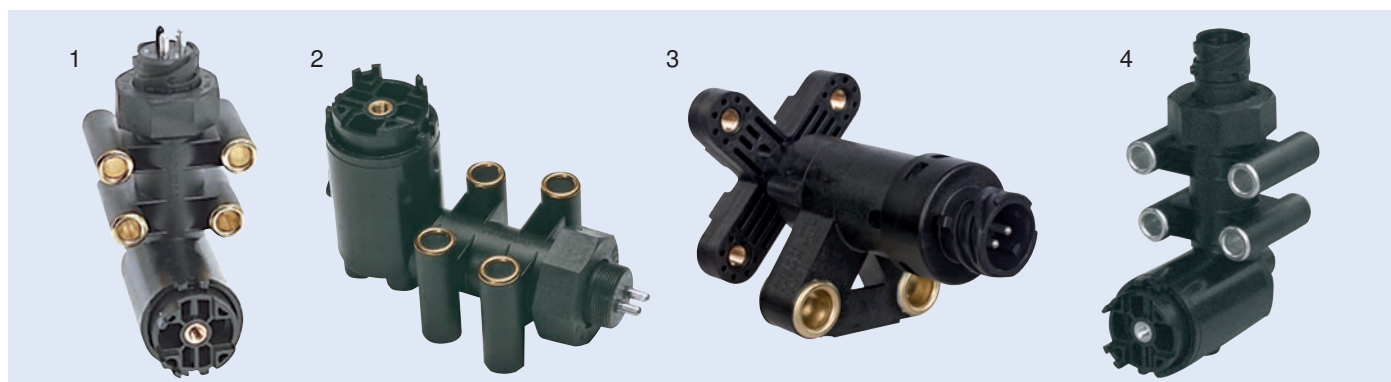
Suspension and damping

**KNORR-BREMSE****Valve block  
for level control**

Version electronic

This figure corresponds to 3450 403 685

| suitable for                                                                   | Thread                      | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------|-----------------------------|---------------------|---------------------|
| <b>Irisbus</b> Citelis, Eurorider<br><b>Volvo</b> B9R, B9TL, B12B, B12R        | M16 x 1,5                   | <b>3450 403 685</b> | Knorr 0501100029000 |
| <b>Irisbus</b> Eurorider<br><b>Scania</b> K124<br><b>Volvo</b> B9R, B12B, B13R | M16 x 1,5                   | <b>3450 403 715</b> | Knorr 0501100041100 |
| <b>Volvo</b> B12B, B13R                                                        | 4 x M16 x 1,5/3 x M12 x 1,5 | <b>3400 100 038</b> | Knorr 0501100038100 |
| <b>Volvo</b> B5LH, B9L, B13R                                                   | M16 x 1,5                   | <b>8000 982 150</b> | Knorr K019821N50    |


**WABCO**

### ECAS path sensor for air suspension

| suitable for                                                                                                                                                                                                                                                                               | Connection                        | Fig. | Order no.                        | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------|----------------------------------|---------------------|
| <b>Irisbus</b> Eurorider<br><b>MAN</b> Lion's City (A20/A21/A37),<br>Lion's Coach (R07/R08), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>VDL</b> Bova Magiq                                                                                                                      | bayonet<br>DIN 72585-A1-2.1-Sn/K2 | 1    | <b>0210 500 110</b>              | WABCO 441 050 011 0 |
| <b>Iveco</b> CityClass<br><b>MAN</b> EL (A12), NG (A11), NL (A10, A15)<br><b>Setra</b> S 312/315 HD, S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL                                                                                                 | bayonet                           | 2    | <b>0210 500 060</b>              | WABCO 441 050 006 0 |
| <b>MAN</b> Lion's City (A23/A37/A47),<br>Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX),<br>Skyliner (2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)                                                    | Bayonet<br>DIN 72585-A1-2.1-Sn/K2 | 3    | <sup>1</sup> <b>0210 501 230</b> | WABCO 441 050 123 0 |
| <b>MAN</b> Lion's Coach (R07/R08),<br>Lion's Star (R02/R03)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530),<br>Cito (O 520), Intouro II, Turismo II<br><b>Neoplan</b> Tourliner (N 2216)<br><b>Setra</b> S 415 HD, S 416/417 GT-HD, S 415 NF,<br>S 417/419 UL<br><b>Solaris</b> Urbino III | bayonet<br>DIN 72585-A1-2.1-Sn/K2 | 4    | <b>0210 500 120</b>              | WABCO 441 050 012 0 |

<sup>1</sup> with lever

**KNORR-BREMSE**

### Level control

Version electronic

| suitable for                                          | Order no.           | Comparative no.     |
|-------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Citelis CNG<br><b>Scania</b> K124      | <b>3450 403 755</b> | Knorr 0504002113100 |
| <b>Volvo</b> B7L, B9L, B9R, B9TL, B10B,<br>B10M, B12B | <b>3600 002 107</b> | Knorr K013741N00    |

This figure corresponds to 3450 403 755



This figure corresponds to 6170 178 322

### Level control

| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>Volvo</b> B5LH, B9L, B9R, B13R | <b>6171 253 672</b> | Volvo 21253672  |
| <b>Volvo</b> B7L, B9R             | <b>6170 178 322</b> | Volvo 1078322   |



This figure corresponds to 3670 051 040



### Air spring valve

without ball pin, with transverse throttling

| suitable for                                                                                                          | Version                                                     | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arès, Iliade                                                                                           | without height limitation, with flat lever                  | <b>3450 408 380</b> | Knorr I136026       |
| <b>Irisbus</b> Eurorider                                                                                              | 4/3-way                                                     | <b>3407 039 000</b> | Knorr 0481007039000 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                  |                                                             |                     |                     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                     |                                                             | <b>3415 141 100</b> | Knorr I98290        |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404, O 405 N, O 407, O 408, Tourismo I (O 350)                              | without fixed setting or height limitation, with flat lever | <b>3450 403 595</b> | Knorr 0500005002000 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408, Tourismo I (O 350)                                     | without fixed setting or height limitation, with flat lever | <b>3600 033 533</b> | Knorr 0500005001000 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 408                                                                | without fixed setting or height limitation, with flat lever | <b>3450 403 620</b> | Knorr 0500005101000 |
| <b>Mercedes-Benz</b> Tourino (O 510), Travego I (O 580)<br><b>Setra</b> S 315 UL, S 431 DT, S 416/417 GT-HD, S 415 UL | without fixed setting or height limitation, with flat lever | <b>3400 055 901</b> | Knorr K005590       |
| <b>Mercedes-Benz</b> Tourino (O 510), Travego I (O 580)<br><b>Setra</b> S 315 UL, S 431 DT, S 416/417 GT-HD, S 415 UL | without fixed setting or height limitation, with flat lever | <b>3400 005 589</b> | Knorr K005589       |
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404                                                                        | without fixed setting or height limitation, with flat lever | <b>3670 051 040</b> | Knorr 0500005104000 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315 UL, S 416/417 GT-HD                                      | without fixed setting or height limitation, with flat lever | <b>3400 055 900</b> | Knorr K005591       |

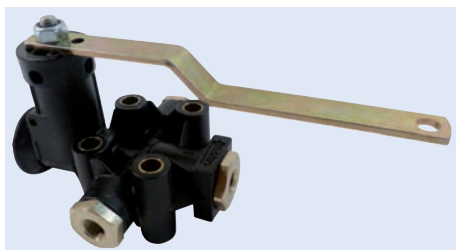
Continued on the next page ...

... continued from the previous page

| suitable for                                                                                                                                           | Version                                                     | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------|
| <b>Neoplan</b> Skyliner (N 1122)                                                                                                                       | without height limitation, with flat lever                  | <b>3450 407 030</b> | Knorr I85883    |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                 | without height limitation, with flat lever                  | <b>3415 132 300</b> | Knorr II18503   |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                 | without fixed setting or height limitation, with flat lever | <b>3450 408 135</b> | Knorr II32765   |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL           | with flat lever                                             | <b>3450 407 175</b> | Knorr I90452    |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | with flat lever                                             | <b>3450 406 890</b> | Knorr I82456    |

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Suspension and damping

**Air spring valve**

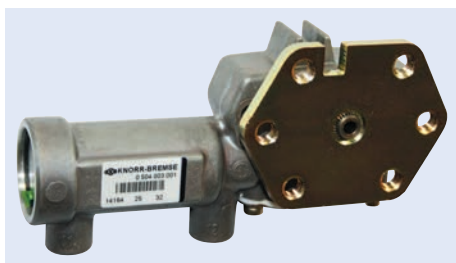
Version with lever  
Thread M12 x 1,5

This figure corresponds to 9463 277 825

| suitable for                                                                                                             | Nominal width | Order no.           | Comparative no.  |
|--------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                   | 3 mm          | <b>3736 124 871</b> | Haldex 612048171 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                   | 1,25 mm       | <b>9463 277 825</b> | Haldex 612048131 |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, S 411/415 HD, S 415/416/417 HDH, S 431 DT |               |                     |                  |

**Air spring valve**

| suitable for                           | Order no.           | Comparative no. |
|----------------------------------------|---------------------|-----------------|
| <b>Scania</b> K94/114/124/360/380, L94 | <b>8000 012 225</b> | Scania 475110   |



### Adjustment mechanism

Connection M10 x 1

#### Application range

height setting equipment

#### suitable for

**Mercedes-Benz** Tourino (O 510), Travego I (O 580)  
**Setra** S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT,  
 S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT,  
 SG 321 UL, S 411/415 HD, S 415/417 HDH, S 416 GT-HD, S 431 DT

#### Order no.

**3600 053 184**

#### Comparative no.

Knorr 0504003001000



### Air spring

Version with steel piston

Height 250 mm

Outer Ø 253-263 mm

Ø of cover 228 mm

Piston Ø 197 mm

Piston height 105 mm

Air connector M16 x 1,5

upper attachment: 2 x studs Ø 14 mm

lower attachment: 2 x studs Ø 8 mm

#### suitable for

**Volvo** B7R LE, B12B, B12R

#### Order no.

**1788 135 832**

#### Comparative no.

Conti 6604 N P01



### Air spring

Version with steel piston

Height 262 mm

Outer Ø 310-320 mm

Ø of cover 280 mm

Piston height 125 mm

Threaded bolt 4 x M12

Air connector M16 x 1,5

#### suitable for

**Irisbus** Arès, Arway, Axer, Evadys, Iliade, Récréo II

#### Length of absorber

393 mm

#### Order no.

**1780 659 921**

#### Comparative no.

Conti 661 N P13

**Irisbus** Arès, Axer, Citelis, Iliade, Récréo

403 mm

**1780 462 942**

Conti 661 N P03



### Air spring

|                   |                   |
|-------------------|-------------------|
| Version           | with steel piston |
| Height            | 265 mm            |
| Outer Ø           | 240 mm            |
| Piston Ø          | 192 mm            |
| Piston height     | 110 mm            |
| Piston rod thread | M18 x 1,5         |
| Air connector     | M10 x 1/M18 x 1,5 |

| suitable for                                          | Order no.           | Comparative no. |
|-------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> PR100                                  | <b>1780 921 101</b> | Conti 921 MB    |
| <b>Temsa</b> Opalin, Powerbus, Samba, Prestige Deluxe |                     |                 |



### Air spring

|               |                              |
|---------------|------------------------------|
| Version       | with steel piston            |
| Height        | 260 mm                       |
| Outer Ø       | 291-301 mm                   |
| Ø of cover    | 132,5 mm                     |
| Piston Ø      | 205 mm                       |
| Piston height | 112 mm                       |
| Air connector | M16 x 1,5/M24 x 1,5 VOSS 232 |

upper attachment: M16 x 1.5/M24 x 1.5  
lower attachment: M16 x 1,5

| suitable for                          | Order no.           | Comparative no. |
|---------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro I (O 530) | <b>1780 064 421</b> | Conti 644 N P21 |



### Air spring

|                                         |             |
|-----------------------------------------|-------------|
| Version                                 | with piston |
| Height                                  | 430 mm      |
| Outer Ø                                 | 315-340 mm  |
| Ø of cover                              | 286 mm      |
| Piston Ø                                | 228 mm      |
| Piston height                           | 203 mm      |
| Air connector                           | M16 x 1,5   |
| upper attachment: 2 x studs Ø 12 mm     |             |
| lower attachment: studs M16 and Ø 15 mm |             |

| suitable for        | Order no.           | Comparative no.  |
|---------------------|---------------------|------------------|
| <b>Scania</b> F/K/N | <b>1780 670 002</b> | Conti 6700 N P02 |



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### Air spring

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 279 mm      |
| Outer Ø       | 281-291 mm  |
| Ø of cover    | 259 mm      |
| Piston Ø      | 225 mm      |
| Piston height | 110 mm      |
| Air connector | M16 x 1,5   |

| suitable for                 | Order no.    | Comparative no.  |
|------------------------------|--------------|------------------|
| Volvo B12B, B12M, B12R, B13R | 1780 660 301 | Conti 6603 N P01 |



### Air spring

|               |           |
|---------------|-----------|
| Height        | 355 mm    |
| Outer Ø       | 242 mm    |
| Ø of cover    | 261 mm    |
| Inner Ø       | 151,2 mm  |
| Threaded bolt | 2 x M12   |
| Air connector | M22 x 1,5 |

| suitable for                | Order no.    | Comparative no.        |
|-----------------------------|--------------|------------------------|
| Solaris Urbino III, Vacanza | 1722 052 384 | Phoenix 1 DF 25 A-1 NP |



### Air spring

|                                  |            |
|----------------------------------|------------|
| Height                           | 260 mm     |
| Outer Ø                          | 315-325 mm |
| Ø of cover                       | 259 mm     |
| Air connector                    | M22 x 1,5  |
| upper attachment: 2 x studs M 12 |            |
| lower attachment: stud M18 x 1,5 |            |

| suitable for                | Order no.    | Comparative no.      |
|-----------------------------|--------------|----------------------|
| Solaris Urbino III, Vacanza | 1722 012 520 | Phoenix 1 DF 25 A-20 |
| Solaris Urbino III, Vacanza | 1722 012 521 | Phoenix 1 DF 25 A-21 |



### Air spring

|                                      |            |
|--------------------------------------|------------|
| Height                               | 260 mm     |
| Outer Ø                              | 315-325 mm |
| Ø of cover                           | 259 mm     |
| Air connector                        | M12 x 1,5  |
| upper attachment: Ø 10 mm, M12 x 1,5 |            |
| lower attachment: stud M18 x 1,5     |            |

| suitable for                | Order no.    | Comparative no.      |
|-----------------------------|--------------|----------------------|
| Solaris Urbino III, Vacanza | 1722 012 522 | Phoenix 1 DF 25 A-22 |



### Air spring

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 209 mm      |
| Outer Ø       | 270-280 mm  |
| Inner Ø       | 130,8 mm    |
| Piston Ø      | 206 mm      |
| Piston height | 99 mm       |
| Threaded bolt | 2 x M10     |

| suitable for | Order no.    | Comparative no.     |
|--------------|--------------|---------------------|
| Volvo B9TL   | 1788 011 801 | Phoenix 1 E 18 D-01 |



### Air spring

|                             |                              |
|-----------------------------|------------------------------|
| Version                     | with steel piston            |
| Height                      | 269 mm                       |
| Outer Ø                     | 290-300 mm                   |
| Ø of cover                  | 155 mm                       |
| Piston Ø                    | 205 mm                       |
| Piston height               | 127,5 mm                     |
| Air connector               | M24 x 1,5/M16 x 1,5 VOSS 232 |
| lower attachment: M16 x 1,5 |                              |

| suitable for                                                        | Order no.    | Comparative no.  |
|---------------------------------------------------------------------|--------------|------------------|
| Mercedes-Benz Integro (O 550),<br>Tourismo (O 350), Travego (O 580) | 1788 464 422 | Conti 4644 N P22 |

### Air spring

|               |                   |
|---------------|-------------------|
| Version       | with steel piston |
| Height        | 340 mm            |
| Outer Ø       | 280 mm            |
| Ø of cover    | 228 mm            |
| Piston Ø      | 205 mm            |
| Piston height | 139 mm            |
| Air connector | M14 x 1,5         |

upper attachment: 2 x studs Ø 11,9 mm

lower attachment: 1 stud Ø 11,9 mm, 2 mounting holes Ø 12 mm

| suitable for                    | Order no.    | Comparative no.     |
|---------------------------------|--------------|---------------------|
| Scania K94/114/124/360/380, L94 | 8000 012 752 | Phoenix 1 DF 20 A-2 |



### Air spring

|                                       |                   |
|---------------------------------------|-------------------|
| Version                               | with steel piston |
| Height                                | 250 mm            |
| Ø of cover                            | 259 mm            |
| Piston Ø                              | 230 mm            |
| Piston height                         | 103 mm            |
| Air connector                         | M14 x 1,5         |
| upper attachment: 2 x studs Ø 11,9 mm |                   |
| lower attachment: 2 x studs Ø 11,9 mm |                   |

| suitable for            | Order no.    | Comparative no.     |
|-------------------------|--------------|---------------------|
| Scania K94/114/124, L94 | 8000 012 749 | Phoenix 1 DF 23 B-1 |

**Air spring**

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 270 mm      |
| Outer Ø       | 269-279 mm  |
| Ø of cover    | 225 mm      |
| Piston Ø      | 200 mm      |
| Piston height | 107 mm      |
| Air connector | M16 x 1,5   |

upper attachment: 2 x studs Ø 11,9 mm

lower attachment: 1 x stud Ø 11,9 mm, 2 mounting holes Ø 12 mm

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Scania K124/360 | 1325 025 866 | Phoenix 1 DF 23 B-5 |

**Air spring**

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 280 mm      |
| Outer Ø       | 310-320 mm  |
| Ø of cover    | 261 mm      |
| Piston Ø      | 229 mm      |
| Piston height | 110 mm      |
| Air connector | M16 x 1,5   |

upper attachment: 2 x studs Ø 11,9 mm

lower attachment: 2 x studs Ø 11,9 mm

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Scania K124/380 | 1325 025 860 | Phoenix 1 DF 23 A-2 |

**Air spring**

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 255 mm      |
| Outer Ø       | 280-290 mm  |
| Ø of cover    | 228 mm      |
| Piston Ø      | 200 mm      |
| Piston height | 106 mm      |
| Air connector | M16 x 1,5   |

upper attachment: 2 x studs Ø 11,9 mm

lower attachment: 2 x studs Ø 12 mm

| suitable for | Order no.    | Comparative no.     |
|--------------|--------------|---------------------|
| Scania K360  | 1788 024 283 | Phoenix 1 DF 20 C-3 |

**Air spring**

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 250 mm      |
| Outer Ø       | 320-330 mm  |
| Ø of cover    | 259 mm      |
| Piston Ø      | 240 mm      |
| Piston height | 111 mm      |
| Air connector | M16 x 1,5   |

upper attachment: 2 x studs Ø 11,9 mm

lower attachment: 2 x studs Ø 11,9 mm

| suitable for | Order no.    | Comparative no.     |
|--------------|--------------|---------------------|
| Scania F/K/N | 1788 136 702 | Phoenix 1 DF 23 B-4 |





### Air spring

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 290 mm      |
| Outer Ø       | 323-333 mm  |
| Ø of cover    | 259 mm      |
| Piston Ø      | 190 mm      |
| Piston height | 110 mm      |
| Air connector | M16 x 1,5   |

upper attachment: 2 x studs M10 x 1,5

lower attachment: 2 x studs M10 x 1,5

#### Application range

Trailing axle

| suitable for     | Order no.    | Comparative no.  |
|------------------|--------------|------------------|
| Volvo B12B, B12R | 1788 660 201 | Conti 6602 N P01 |



### Air spring

|               |             |
|---------------|-------------|
| Version       | with piston |
| Height        | 300 mm      |
| Outer Ø       | 313-323 mm  |
| Ø of cover    | 150,8 mm    |
| Piston Ø      | 226 mm      |
| Piston height | 185 mm      |

lower attachment: 2 x studs M10 x 1,5

| suitable for           | Order no.    | Comparative no.  |
|------------------------|--------------|------------------|
| Volvo B12B, B12R, B13R | 8000 252 437 | Conti 6610 N P01 |



### Air spring bellows

Form conical

This figure corresponds to 1716 211 002

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                     | Height | Outer/Inner Ø        | Order no.           | Comparative no. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------|---------------------|-----------------|
| <b>Fast Syter</b><br><b>MAN</b> Lion's City (A20/A21/A23/A26/A37/A39/A47/A78),<br>Lion's Classic Ü (A72), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), Lion's Star (R02/R03), EL (A12),<br>NG (A11/A23), NL (A10/A15/A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX),<br>Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516)<br><b>Temsa</b> Safari | 460 mm | 240/130,8 mm         | <b>1716 215 002</b> | Conti 916 N1    |
| <b>Fast Syter</b><br><b>Neoplan</b> Cityliner (N 12XX)                                                                                                                                                                                                                                                                                                                                                           | 465 mm | 210/(130,8/100,8) mm | <b>1716 162 002</b> | Conti 882 N1    |
| <b>Irisbus</b> Eurorider<br><b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                                                                                                                                                                                                                                          | 420 mm | 230/130,8 mm         | <b>1716 203 002</b> | Conti 884 N     |
| <b>Van Hool</b><br><b>VDL</b>                                                                                                                                                                                                                                                                                                                                                                                    | 370 mm | 240/130,8 mm         | <b>1716 211 002</b> | Conti 673 N     |





### Air spring bellows

Form cylindrical

This figure corresponds to 1715 285 003

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Height | Outer/Inner Ø | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|---------------------|-----------------|
| <b>Irisbus</b> Arès, Arway, Axer, Evadys, Récréo<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 431 DT<br><b>Van Hool</b> A300/308L/320/330, T815/816 Alicron, Acron, Altano, T915/917 Astron, T916 Acron, T924/925/927 Astromega<br><b>Volvo</b> B7R, B9R, B10M                                                                                                                                                                    | 391 mm | 240/150,8 mm  | <b>1715 661 003</b> | Conti 661 N     |
| <b>Irisbus</b> Arès, Iliade<br><b>Temsa</b> Opalin (Euro 4), Safari (Euro 4), Tourmalin (Euro 3, 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 410 mm | 210/130,8 mm  | <b>1780 782 003</b> | Conti 782 N     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Integro II (O 550), O 404, O 405 N, O 407, O 408, Tourismo I/II (O 350), Travego I (O 580)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL<br><b>Van Hool</b> A300/508, CL, TL, T8 Alizee, T815/816 Altano, T916 Acron, T917 Astron, T924/925/927 Astromega<br><b>Volvo</b> B10B, B10M, B12 | 394 mm | 207/130,8 mm  | <b>1715 285 003</b> | Conti 644 N     |
| <b>Neoplan</b> Skyliner (N 1122)<br><b>Setra</b> 300 series<br><b>Van Hool</b> A320<br><b>VDL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 360 mm | 300/198,1 mm  | <b>1715 662 003</b> | Conti 662 N     |



### Air spring bellows

Form conical

This figure corresponds to 1780 916 001

| suitable for                                       | Height | Outer/Inner Ø        | Order no.           | Comparative no. |
|----------------------------------------------------|--------|----------------------|---------------------|-----------------|
| <b>Heuliez</b> GX 117, 317<br><b>Irisbus</b> Agora | 385 mm | 230/131 mm           | <b>1780 192 401</b> | Conti 1924 N1   |
| <b>Fast</b> Syter                                  | 465 mm | 210/(130,8/100,8) mm | <b>1780 882 001</b> | Conti 882 N1    |

*Continued on the next page ...*



... continued from the previous page

| suitable for                                                                          | Height | Outer/Inner Ø        | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------|--------|----------------------|---------------------|-----------------|
| <b>Fast Syter</b><br><b>MAN</b> Lion's City (A47), Lion's Star<br><b>Temsa</b> Safari | 465 mm | 240/130,8 mm         | <b>1780 916 001</b> | Conti 916 N1    |
| <b>Irisbus</b> Arès, Arway, Evadys, Magelys, Récréo                                   | 416 mm | 230/(150,8/130,8) mm | <b>1780 178 201</b> | Conti 1782 N1   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Intouro II, Turismo II, Travego II       | 435 mm | 230/130,8 mm         | <b>1780 946 000</b> | Conti 946 N     |
| <b>Setra</b> S 415 HD, S 417 HDH, S 416/417 GT-HD, S 415 NF, S 415/419 UL             |        |                      |                     |                 |



### Air spring bellows

Form cylindrical

This figure corresponds to 1780 661 001

| suitable for                                                                                                                                                                                                                                                                                                                                                                                | Height | Outer/Inner Ø | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|---------------------|-----------------|
| <b>Irisbus</b> Arès, Arway, Axer, Evadys, Récréo<br><b>Setra</b> S 431 DT<br><b>Van Hool</b> A300/308/320/330, T815/816 Alicron, Altano, T915/917 Astron, T916 Acron, T924/925/927 Astromega                                                                                                                                                                                                | 391 mm | 243/150,8 mm  | <b>1780 661 001</b> | Conti 661 N     |
| <b>Neoplan</b> Skyliner (N 1122)<br><b>Van Hool</b> A320                                                                                                                                                                                                                                                                                                                                    | 360 mm | 300/198 mm    | <b>1780 662 001</b> | Conti 662 N     |
| <b>Scania</b> K93, L113, N113<br><b>Volvo</b> B9L                                                                                                                                                                                                                                                                                                                                           | 425 mm | 186/120,5 mm  | <b>1780 927 001</b> | Conti 927 N     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Integro II (O 550), O 405 N, O 407, O 408, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417 UL<br><b>Van Hool</b> A300/508, CL, TL, T8 Alizee, T815/816 Altano, T916 Acron, T917 Astron, T924/925/927 Astromega<br><b>Volvo</b> B10B, B10M, B12 | 394 mm | 210/130,8 mm  | <b>1780 644 001</b> | Conti 644 N     |



### Air spring bellows

Version with plate vulcanised in place  
 Form cylindrical  
 Height 396 mm  
 Outer Ø 210 mm  
 Inner Ø 130,8 mm  
 Ø of cover 155 mm  
 Air connector M16 x 1.5/M24 x 1.5

| suitable for                           | Order no.           | Comparative no. |
|----------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Travego I (O 580) | <b>1780 464 401</b> | Conti 4644 N    |



### Air spring bellows

Form cylindrical

(Illustration similar)

| suitable for                                                                                                                                                              | Height | Outer/<br>Inner Ø | Order no.           | Comparative no.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|---------------------|------------------|
| <b>Irisbus</b> Arès, Arway, Axer, Evadys, Récréo<br><b>Van Hool</b> A300/308/320/330, T815/816 Alicron,<br>Altano, T915/917 Astron, T916 Acron,<br>T924/925/927 Astromega | 391 mm | 240/151 mm        | <b>1715 250 002</b> | Phoenix 1 E 25   |
| <b>VDL</b> Bova Magiq                                                                                                                                                     | 370 mm | 260/181,2 mm      | <b>1722 012 600</b> | Phoenix 1 E 26 A |

7

Suspension and damping



### Air spring bellows

Form conical

This figure corresponds to 1716 192 401

| suitable for                                                                                                                                                        | Height | Outer/<br>Inner Ø    | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------|---------------------|-----------------|
| <b>Heuliez</b> GX 117, 317<br><b>Irisbus</b> Agora                                                                                                                  | 360 mm | 225/(150,8/130,8) mm | <b>1716 192 401</b> | Conti 1924 N1   |
| <b>Irisbus</b> Arès, Arway, Evadys, Iliade, Magelys HD,<br>Récréo                                                                                                   | 415 mm | 230/(150,8/130,8) mm | <b>1788 178 201</b> | Conti 1782 N1   |
| <b>Irisbus</b> Arès, Iliade<br><b>Volvo</b> B10M                                                                                                                    | 385 mm | 260/130,8 mm         | <b>1780 768 003</b> | Conti 768 N     |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Intouro II,<br>Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 416/417 GT-HD,<br>S 415 NF, S 415/419 UL | 435 mm | 230/130,8 mm         | <b>1788 946 000</b> | Conti 946 N     |
| <b>VDL</b> Bova Futura FHM, FLM, FHD, FLD, FHX                                                                                                                      | 350 mm | 260/179 mm           | <b>1715 261 000</b> | Conti 701 N     |



## Air spring bellows

Form cylindrical

This figure corresponds to 1780 769 003

| suitable for                                                                                                                                                                | Height | Outer/<br>Inner Ø    | Order no.           | Comparative no.        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------|---------------------|------------------------|
| <b>Heuliez</b> GX 107, 187<br><b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, S 315/319 NF, S 415/417 HDH | 410 mm | 190/130,8 mm         | <b>1780 921 003</b> | Conti 921 N            |
| <b>Heuliez</b> GX 127, 317<br><b>Irisbus</b> Agora, Citelis                                                                                                                 | 320 mm | 220/(150,8/130,8) mm | <b>1788 141 500</b> | Conti 1415 N           |
| <b>Heuliez</b> GX 217, 417<br><b>Volvo</b> B7L, B10L                                                                                                                        | 400 mm | 175/(130,8/120,6) mm | <b>1788 312 770</b> | Firestone 1R4U 395 260 |
| <b>Irisbus</b> Domino, New Domino, Eurorider, MyWay<br><b>Iveco</b> EuroClass                                                                                               | 435 mm | 216/130,8 mm         | <b>1788 787 003</b> | Conti 945 N            |
| <b>Irisbus</b> PR100-2/ PR180-2                                                                                                                                             | 380 mm | 190/130,8 mm         | <b>1780 769 003</b> | Conti 769 N            |
| <b>Iveco</b> CityClass                                                                                                                                                      | 330 mm | 216/130,8 mm         | <b>1715 270 200</b> | Gomma 1 S 270-20V      |
| <b>Iveco</b> CityClass                                                                                                                                                      | 412 mm | 210/130,8 mm         | <b>1715 290 230</b> | Gomma 1 S 290-23V      |
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404                                                                                                                              | 394 mm | 221/150,8 mm         | <b>1720 338 603</b> | Conti RZ 450-25        |
| <b>Neoplan</b><br><b>Van Hool</b>                                                                                                                                           | 440 mm | 180/(130,8/100,8) mm | <b>1780 788 003</b> | Conti 788 N            |
| <b>Scania</b> K93/113, L113, N113<br><b>Volvo</b> B9L, B9TL                                                                                                                 | 425 mm | 190/120,6 mm         | <b>1780 927 003</b> | Conti 927 N            |
| <b>Volvo</b> B10B, B10M, B12                                                                                                                                                | 410 mm | 220/(150,8/130,8) mm | <b>1780 415 283</b> | Phoenix 2 G 20 A       |
| <b>Volvo</b> B10M, B12M, B9S                                                                                                                                                | 345 mm | 220/(150,8/130,8) mm | <b>1780 415 253</b> | Phoenix 2 G 20         |
| <b>Volvo</b> B7R, B9R                                                                                                                                                       | 365 mm | 216/130,8 mm         | <b>1788 307 920</b> | Phoenix 1 E 21 B       |
| <b>Volvo</b> B7R, B9R                                                                                                                                                       | 360 mm | 193/(130,8/119,2) mm | <b>1788 307 890</b> | Phoenix 1 E 18 E       |
| <b>Volvo</b> B9L, B12B                                                                                                                                                      | 393 mm | 190/130,8 mm         | <b>5171 535 875</b> | Phoenix 1 E 18 D       |
| <b>Volvo</b> B9TL                                                                                                                                                           | 373 mm | 220/164,8 mm         | <b>1780 928 003</b> | Conti 928 N            |

## Air spring bellows

| suitable for           | Installation side | Order no.           | Comparative no. |
|------------------------|-------------------|---------------------|-----------------|
| <b>Iveco</b> CityClass | left              | <b>2590 111 994</b> | Iveco 500324515 |
| <b>Iveco</b> CityClass | right             | <b>2590 111 965</b> | Iveco 500324514 |



### Air spring bellows

|            |                             |
|------------|-----------------------------|
| Version    | lower plate with attachment |
| Form       | conical                     |
| Height     | 365 mm                      |
| Outer Ø    | 254 mm                      |
| Ø of cover | 219 mm                      |
| Inner Ø    | 119 mm                      |

lower attachment: M10 x 1,5

| suitable for                 | Order no.           | Comparative no. |
|------------------------------|---------------------|-----------------|
| <b>MAN</b><br><b>Neoplan</b> | <b>1788 909 101</b> | Conti 909 NT    |



### Air spring bellows

|               |                                |
|---------------|--------------------------------|
| Version       | with plate vulcanised in place |
| Form          | cylindrical                    |
| Height        | 400 mm                         |
| Outer Ø       | 207 mm                         |
| Ø of cover    | 155 mm                         |
| Inner Ø       | 130,8 mm                       |
| Air connector | M24 x 1,5/M16 x 1,5            |

| suitable for                                                                                                                                                               | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 415/416/417 GT-HD,<br>S 415/417/419 UL | <b>1788 464 401</b> | Conti 4644 N    |



### Air spring bellows

|               |            |
|---------------|------------|
| Version       | with plate |
| Height        | 395 mm     |
| Outer Ø       | 200 mm     |
| Ø of cover    | 228 mm     |
| Inner Ø       | 130,8 mm   |
| Air connector | M16 x 1,5  |

upper attachment: 3 x studs M10 x 1,5

| suitable for | Order no.           | Comparative no. |
|--------------|---------------------|-----------------|
| <b>VDL</b>   | <b>1780 887 003</b> | Conti 887 M     |



### Air spring bellows

|               |            |
|---------------|------------|
| Version       | with plate |
| Form          | conical    |
| Height        | 370 mm     |
| Outer Ø       | 245 mm     |
| Ø of cover    | 259 mm     |
| Air connector | M16 x 1,5  |

upper attachment: 2 x studs Ø 10 mm

| suitable for                      | Order no.           | Comparative no.   |
|-----------------------------------|---------------------|-------------------|
| <b>Volvo</b> B7R, B9L, B9TL, B12B | <b>1788 177 433</b> | Goodyear 1R12-826 |



### Air spring bellows

Version with plate  
 Height 347 mm  
 Outer Ø 210 mm  
 Ø of cover 227 mm

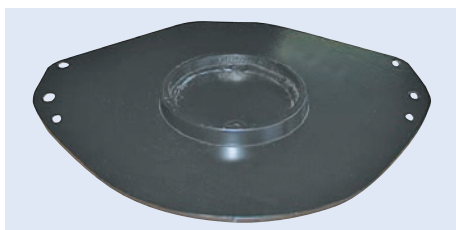
upper attachment: 2 x studs Ø 13,9 mm

| suitable for     | Order no.    | Comparative no.  |
|------------------|--------------|------------------|
| Volvo B12B, B12R | 1788 364 202 | Conti 6604 N P01 |

### Rolling piston

for air bellows Conti 644 N

| Inner Ø | Piston Ø | Piston height | Version                     | Order no.    | Comparative no.                                                                                                 |
|---------|----------|---------------|-----------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|
| 128 mm  | 202 mm   | 87 mm         |                             | 1788 000 021 | Mercedes-Benz 357 320 15 34<br>Neoplan 100110300<br>Setra 4.771.110.000<br>Van Hool 624319-610<br>Volvo 1134445 |
| 128 mm  | 197 mm   | 114,5 mm      | lower attachment: M14 x 1,5 | 1788 000 007 | Mercedes-Benz 629 320 00 18<br>Setra 103-23.10.103.03D                                                          |



### Attachment plate

for air bellows Conti 644 N, top

Width 375 mm  
 Inner Ø 130,8 mm  
 Installation location rear axle

| Order no.    | Comparative no.         |
|--------------|-------------------------|
| 1788 000 002 | Setra 107-23.36.102.11C |



### Rolling piston

for air bellows Conti 661 N

Piston Ø 208/249 mm  
 Piston height 156 mm

| suitable for | Order no.    | Comparative no. |
|--------------|--------------|-----------------|
| Volvo B12    | 6170 003 408 | Volvo 1137071   |

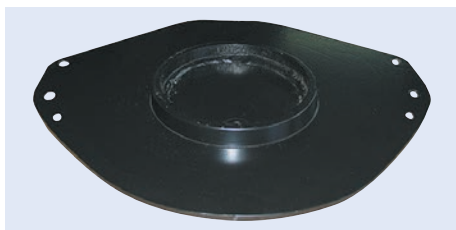


### Rolling piston

for air bellows Conti 661 N

This figure corresponds to 1788 000 008

| Inner Ø  | Piston Ø | Piston height | Version                      | Order no.    | Comparative no.                                                         |
|----------|----------|---------------|------------------------------|--------------|-------------------------------------------------------------------------|
| 151,5 mm | 227 mm   | 119 mm        | lower attachment: M14 x 1,5  | 1788 000 008 | Mercedes-Benz 410 327 00 01<br>Setra 107-23.10.101.04D<br>Volvo 1137888 |
| 150 mm   | 228 mm   | 140 mm        | upper attachment: M12 x 1,75 | 1788 000 011 | Neoplan 100112250                                                       |



### Attachment plate for air bellows Conti 661 N, top

Installation location front axle  
Width 375 mm  
Inner Ø 150,8 mm

| Order no.    | Comparative no.         |
|--------------|-------------------------|
| 1788 000 003 | Setra 107-23.10.102.04C |

### Rolling piston for air bellows Conti 662 N

Inner Ø 197 mm  
Piston Ø 252 mm  
Piston height 152 mm  
upper attachment: M12 x 1,75

| Order no.    | Comparative no.   |
|--------------|-------------------|
| 1788 000 010 | Neoplan 100112251 |

### Rolling piston for air bellows Conti 701 N

Inner Ø 180 mm  
Piston Ø 223,5 mm  
Piston height 130 mm  
Air connector M12 x 1,75  
Distance between holes 165,5 mm

| suitable for    | Order no.    | Comparative no.  |
|-----------------|--------------|------------------|
| VDL Bova Futura | 1788 000 027 | VDL Bova B510040 |

### Rolling piston for air bellows Conti 882 N1

Inner Ø 131,5 mm  
Piston Ø 179 mm  
Piston height 130 mm  
Air connector M18 x 2

| suitable for              | Order no.    | Comparative no.   |
|---------------------------|--------------|-------------------|
| Fast Syter                | 1788 000 028 | MAN 81.43600-6036 |
| Neoplan Cityliner (N12XX) |              | MAN 81.43601-0151 |



### Rolling piston for air bellows Conti 916N1

Inner Ø 132,2 mm

| Piston Ø   | Piston height | Version   | Installation location | Order no.    | Comparative no.   |
|------------|---------------|-----------|-----------------------|--------------|-------------------|
| 210/230 mm | 130 mm        | aluminium |                       | 1788 000 023 | MAN 81.43603-0055 |
| 210/230 mm | 130 mm        | Steel     | front axle            | 1788 000 039 | MAN 36.43603-0008 |
| 210/258 mm | 195 mm        | Steel     | rear axle             | 1788 000 038 | MAN 36.43603-0009 |



**Rolling piston****for air bellows Conti 946 N**

Installation location front axle

| suitable for                                                                                                                                                 | Order no.           | Comparative no.             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Intouro II, Turismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 416/417 GT-HD, S 415 NF, S 415/419 UL | <b>9463 200 018</b> | Mercedes-Benz 628 320 00 18 |

**Rolling piston****for air bellows Conti RZ 450-25**

Inner Ø 149 mm

Piston Ø 206 mm

Piston height 200 mm

Air connector M14 x 1,5

lower attachment: 2 x studs M12 x 1,5

| suitable for                                  | Installation side | Order no.           | Comparative no.             |
|-----------------------------------------------|-------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Turismo I (O 350), O 404 | left              | <b>1788 000 019</b> | Mercedes-Benz 356 320 22 43 |
| <b>Mercedes-Benz</b> Turismo I (O 350), O 404 | right             | <b>1788 000 020</b> | Mercedes-Benz 356 320 23 43 |

**Rolling piston****for air bellows Conti 4644 N**

Installation location front axle

| suitable for                                                                                                                                                               | Order no.           | Comparative no.             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 415/416/417 GT-HD,<br>S 415/417/419 UL | <b>9463 290 018</b> | Mercedes-Benz 629 329 00 18 |

**Rolling piston****for air bellows**

Inner Ø 132,5 mm

Piston Ø 250 mm

Piston height 110 mm

Distance between holes 127 mm

| suitable for | Order no.           | Comparative no. |
|--------------|---------------------|-----------------|
| <b>Volvo</b> | <b>1788 000 029</b> | Volvo 3030272   |

**Rubber buffer****for suspension**

Length 103 mm

Width 38 mm

Height 57 mm

| suitable for        | Order no.           | Comparative no. |
|---------------------|---------------------|-----------------|
| <b>Scania</b> F/K/N | <b>8000 000 911</b> | Scania 285493   |

**Rubber buffer****for suspension**

Outer Ø 85 mm

Inner Ø 19/32 mm

Height 75 mm

| suitable for                                                                    | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Volvo</b> B7L, B7R, B9S, B9TL, B10B, B10L, B10M, B10R, B12, B12M, B12R, B13R | <b>6171 134 566</b> | Volvo 1134566   |



Shock absorber

This figure corresponds to 9200 112 937

| suitable for                                                                                                      | Installation location | Fastening | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|---------------------|-----------------|
| <b>Fast Scoler III</b><br><b>MAN EL (A12), NG (A11), NL (A10/A15)</b><br><b>Mercedes-Benz O 405 N</b>             | front axle            | pin/pin   | <b>9000 112 912</b> | Sachs 112 912   |
| <b>Fast Scoler III</b><br><b>Mercedes-Benz O 405 N</b>                                                            | front axle            | Pin/pin   | <b>9202 565 311</b> | Sachs 125 165   |
| <b>Mercedes-Benz O 405 N</b>                                                                                      | rear axle             | Pin/pin   | <b>9200 112 937</b> | Sachs 112 937   |
| <b>Mercedes-Benz O 407, O 408</b>                                                                                 | rear axle             | pin/pin   | <b>9200 001 200</b> | Sachs 101 165   |
| <b>Setra S 315/319 NF</b>                                                                                         | front axle            | Eye/eye   | <b>9201 031 035</b> | Sachs 131 035   |
| <b>MAN Lion's City (A20/A26/A37/A47), NG (A23), NL (A21)</b><br><b>Neoplan Centroliner (N 45XX)</b>               | front axle            | Pin/pin   | <b>9200 131 340</b> | Sachs 131 340   |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                                                                       | rear axle             | Pin/pin   | <b>9200 112 913</b> | Sachs 112 913   |
| <b>MAN Lion's City (A20/A21/A37/A39/A47), NG (A23), NL (A21), NÜ (A20)</b><br><b>Neoplan Centroliner (N 45XX)</b> | rear axle             | pin/pin   | <b>9200 131 339</b> | Sachs 131 339   |
| <b>MAN Lion's City (A23), NG (A23)</b>                                                                            | rear axle             | pin/pin   | <b>9201 041 337</b> | Sachs 131 341   |
| <b>Neoplan Skyliner (N 1122)</b>                                                                                  | front axle/rear axle  | pin/pin   | <b>9200 000 415</b> | Sachs 101 425   |



Shock absorber

This figure corresponds to 9750 002 033

| suitable for                                                                                                                                                                                                                                            | Installation location | Fastening | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|---------------------|-----------------|
| <b>Fast Scoler I</b><br><b>Mercedes-Benz Integro II (O 550), Tourismo II, Travego I (O 580)</b><br><b>Setra S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/419 UL</b><br><b>Temsa Safari</b><br><b>VDL Bova Futura</b> | rear axle             | Pin/pin   | <b>9200 300 091</b> | Sachs 300 091   |
| <b>Fast Scoler III</b><br><b>Mercedes-Benz O 405 N</b>                                                                                                                                                                                                  | front axle            | pin/pin   | <b>9271 251 650</b> | Sachs 125 165   |
| <b>Heuliez GX 217, 417</b><br><b>Volvo B7L, B10L, B12</b>                                                                                                                                                                                               | front axle/rear axle  | Pin/pin   | <b>9750 001 214</b> | Sachs 131 105   |
| <b>Heuliez GX 217</b><br><b>Volvo B7L, B10L</b>                                                                                                                                                                                                         | rear axle             | Pin/pin   | <b>9203 100 500</b> | Sachs 310 050   |
| <b>Heuliez GX 317</b><br><b>Irisbus Agora</b>                                                                                                                                                                                                           | front axle            | Pin/eye   | <b>9750 001 831</b> | Sachs 131 059   |
| <b>Irisbus Arès, Arway, Iliade</b>                                                                                                                                                                                                                      | rear axle             | Pin/eye   | <b>2590 112 648</b> | Sachs 311 217   |

*Continued on the next page ...*

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| suitable for                                                                                                                                     | Installation location | Fastening | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|---------------------|-----------------|
| <b>Irisbus</b> Arway, Arway LE, Crossway LE, Evadys, Magelys, Récréo II                                                                          | vehicle-dependent     | Pin/pin   | <b>9203 146 290</b> | Sachs 314 629   |
| <b>Irisbus</b> Eurorider, MyWay                                                                                                                  | rear axle             | Eye/eye   | <b>9750 001 862</b> | Sachs 131 244   |
| <b>Iveco</b> CityClass                                                                                                                           | rear axle             | Pin/eye   | <b>9202 902 740</b> | Sachs 290 274   |
| <b>MAN</b> Lion's City (A37/A47/A78)                                                                                                             | front axle            | Pin/pin   | <b>9207 016 972</b> | Sachs 312 762   |
| <b>MAN</b> Lion's City (A39/A47)                                                                                                                 | rear axle             | pin/pin   | <b>9201 313 390</b> | Sachs 131 339   |
| <b>MAN</b> Lion's City (A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A11)                                                           | rear axle             | Pin/pin   | <b>9201 123 763</b> | Sachs 112 818   |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                               |                       |           |                     |                 |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                | front axle            | Pin/pin   | <b>5230 285 352</b> | Sachs 310 018   |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Star (R02/R03)                                                                                         | rear axle             | pin/pin   | <b>9201 312 730</b> | Sachs 131 273   |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                                           |                       |           |                     |                 |
| <b>MAN</b> Lion's Coach (R08), Lion's Regio (R13)                                                                                                | vehicle-dependent     | pin/pin   | <b>9750 002 033</b> | Sachs 311 890   |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                                           |                       |           |                     |                 |
| <b>MAN</b> NG (A23)                                                                                                                              | rear axle             | Pin/pin   | <b>9201 310 700</b> | Sachs 131 070   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345)                                                                                   | rear axle             | pin/pin   | <b>9270 290 991</b> | Sachs 290 991   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)                                                                                                      | front axle            | pin/pin   | <b>9201 318 280</b> | Sachs 131 828   |
| <b>Setra</b> S 417 HDH, S 416/417 GT-HD, S 415 NF                                                                                                |                       |           |                     |                 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                         | rear axle             | Pin/pin   | <b>9201 315 320</b> | Sachs 131 532   |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                     | rear axle             | Pin/pin   | <b>9201 129 370</b> | Sachs 112 937   |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                | rear axle             | Pin/pin   | <b>9201 121 661</b> | Sachs 310 782   |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                           | front axle            | eye/eye   | <b>9202 809 260</b> | Sachs 280 926   |
| <b>Setra</b> S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT                                                                              |                       |           |                     |                 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                           | rear axle             | pin/pin   | <b>9201 259 640</b> | Sachs 125 964   |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415/416/417 HDH, S 431 DT, S 416/417 GT-HD, S 417 UL |                       |           |                     |                 |
| <b>Scania</b> K114, L94                                                                                                                          | front axle            | Pin/pin   | <b>9202 908 890</b> | Sachs 290 889   |
| <b>Scania</b> K124/360                                                                                                                           | rear axle             | Pin/pin   | <b>9202 900 360</b> | Sachs 290 036   |
| <b>Scania</b> K360, Omnicity                                                                                                                     | front axle            | Pin/pin   | <b>9202 900 450</b> | Sachs 290 045   |
| <b>Scania</b> K94/114/124, L94                                                                                                                   | front axle            | Pin/eye   | <b>9201 311 040</b> | Sachs 300 024   |
| <b>Solaris</b> Urbino III                                                                                                                        | front axle            | Pin/pin   | <b>7750 312 598</b> | Sachs 312 598   |
| <b>Solaris</b> Urbino III, Trollino                                                                                                              |                       | Pin/pin   | <b>7568 203 001</b> | Sachs 312 600   |
| <b>Van Hool</b> A330                                                                                                                             |                       | Eye/eye   | <b>9201 013 151</b> | Sachs 101 315   |
| <b>Volvo</b> B10B, B12                                                                                                                           | front axle            | Eye/eye   | <b>9201 257 560</b> | Sachs 125 756   |
| <b>Volvo</b> B10B, B12, B12B, B12R                                                                                                               | rear axle             | Eye/eye   | <b>9201 257 570</b> | Sachs 125 757   |
| <b>Volvo</b> B10M, B12                                                                                                                           | rear axle             | Eye/eye   | <b>9271 706 060</b> | Sachs 170 606   |
| <b>Volvo</b> B12B, B12R                                                                                                                          | front axle            | Eye/eye   | <b>9750 001 215</b> | Sachs 310 748   |
| <b>Volvo</b> B12B, B12R                                                                                                                          | rear axle             | Eye/eye   | <b>9750 001 392</b> | Sachs 300 004   |
| <b>Volvo</b> B12B, B12R                                                                                                                          | rear axle             | Eye/eye   | <b>9203 133 174</b> | Sachs 314 744   |
| <b>Volvo</b> B12R, B13R                                                                                                                          | front axle            | Eye/eye   | <b>9203 141 692</b> | Sachs 314 861   |
| <b>Volvo</b> B5LH, B7R, B9L, B9TL, B12B                                                                                                          | front axle            | eye/pin   | <b>9203 130 744</b> | Sachs 313 074   |
| <b>Volvo</b> B5LH, B9L                                                                                                                           | rear axle             | Pin/pin   | <b>9203 116 610</b> | Sachs 313 058   |
| <b>Volvo</b> B7, B7R, B9R                                                                                                                        | rear axle             | Eye/eye   | <b>9750 013 076</b> | Sachs 313 076   |
| <b>Volvo</b> B7, B9R                                                                                                                             | rear axle             | Eye/eye   | <b>9207 037 703</b> | Sachs 314 579   |
| <b>Volvo</b> B7R, B9R                                                                                                                            | front axle            | eye/pin   | <b>9200 313 810</b> | Sachs 313 810   |
| <b>Volvo</b> B7R, B9R                                                                                                                            | rear axle             | Eye/eye   | <b>9201 311 662</b> | Sachs 311 662   |
| <b>Volvo</b> B7R, B9R, B13                                                                                                                       | front axle            | eye/pin   | <b>9201 468 510</b> | Sachs 314 467   |
| <b>Volvo</b> B9, B10M, B12                                                                                                                       | front axle            | Eye/eye   | <b>9750 001 331</b> | Sachs 131 029   |


**KONI**
**Shock absorber**

(Illustration similar)

| suitable for                                                                                                                                                                                                                                                                   | Installation location | Fastening | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|---------------------|-----------------|
| <b>Fast Scoler I</b><br><b>Mercedes-Benz</b> Integro II (O 550), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD,<br>S 415 GT-HD, S 415/419 UL<br><b>Temsa</b> Safari<br><b>VDL</b> Bova Futura | rear axle             | pin/pin   | <b>9500 902 141</b> | Koni 99B-3166   |
| <b>Fast Scoler III, Syter</b><br><b>MAN</b> Lion's Classic Ü (A72)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                                                                                                   | front axle/rear axle  | Pin/pin   | <b>9588 702 395</b> | Koni 90-2395    |
| <b>Heuliez</b> GX 217, 417<br><b>MAN</b> NL (A10)                                                                                                                                                                                                                              | rear axle             | Pin/pin   | <b>9588 702 387</b> | Koni 90-2387    |
| <b>Heuliez</b> GX 217, 417<br><b>MAN</b> NL (A10)                                                                                                                                                                                                                              | rear axle             | Pin/pin   | <b>9500 881 563</b> | Koni 88-1563    |
| <b>Heuliez</b> GX 217, 417<br><b>MAN</b> NL (A10)<br><b>Volvo</b> B7L, B10L                                                                                                                                                                                                    | rear axle             | Pin/pin   | <b>9500 881 578</b> | Koni 88-1578    |
| <b>Heuliez</b> GX 317, 327, 427<br><b>Irisbus</b> Agora, Citelis                                                                                                                                                                                                               | rear axle             | Pin/eye   | <b>9588 705 360</b> | Koni 90-5360    |
| <b>Heuliez</b> GX 317<br><b>Irisbus</b> Agora                                                                                                                                                                                                                                  |                       | Pin/pin   | <b>9588 705 358</b> | Koni 90-5358    |
| <b>Irisbus</b> Arès, Arway, Evadys, Iliade, Récréo                                                                                                                                                                                                                             | front axle/rear axle  | Pin/eye   | <b>9588 785 070</b> | Koni 88-5070    |
| <b>Irisbus</b> Arès, Evadys, Iliade                                                                                                                                                                                                                                            | rear axle             | Pin/eye   | <b>9500 905 052</b> | Koni 90-5052    |
| <b>Irisbus</b> Axer                                                                                                                                                                                                                                                            |                       | Pin/eye   | <b>9209 053 620</b> | Koni 90-5362    |
| <b>Irisbus</b> Eurorider, MyWay                                                                                                                                                                                                                                                | front axle/rear axle  | Eye/eye   | <b>9588 702 559</b> | Koni 90-2559    |
| <b>Irisbus</b> Eurorider, MyWay                                                                                                                                                                                                                                                | front axle            | Eye/eye   | <b>9588 702 558</b> | Koni 90-2558    |
| <b>MAN</b> Lion's City, Lion's Classic, ND, NL, ÜL<br><b>Neoplan</b> Centroliner                                                                                                                                                                                               | rear axle             | Eye/eye   | <b>9588 741 161</b> | Koni 84-1161    |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                                                                                                                                                          | rear axle             | Pin/pin   | <b>9588 780 511</b> | Koni 8805-1025  |
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo II,<br>Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH,<br>S 415/416/417 GT-HD, S 415/417/419 UL                                                                                                   | front axle            | eye/pin   | <b>9500 902 740</b> | Koni 90-2740    |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                                                                                                                                                                                                         | front axle            | Eye/eye   | <b>9588 702 410</b> | Koni 90-2384    |
| <b>Mercedes-Benz</b> Turismo I (O 350)<br><b>Setra</b> S 415/416/417 GT-HD                                                                                                                                                                                                     | rear axle             | pin/pin   | <b>9500 902 385</b> | Koni 90-2385    |
| <b>Neoplan</b> Centroliner (N 44XX)                                                                                                                                                                                                                                            | front axle            | Pin/pin   | <b>9500 902 735</b> | Koni 90-2735    |
| <b>Scania</b> F/K/N                                                                                                                                                                                                                                                            |                       | Pin/eye   | <b>9580 702 630</b> | Koni 90-2630    |
| <b>Scania</b> F/K/N                                                                                                                                                                                                                                                            |                       | Pin/pin   | <b>9588 781 667</b> | Koni 88-1667    |
| <b>Scania</b> K124/360/380                                                                                                                                                                                                                                                     | rear axle             | Pin/pin   | <b>9588 701 801</b> | Koni 90-1798SP4 |
| <b>Scania</b> K124/380                                                                                                                                                                                                                                                         | front axle            | Pin/pin   | <b>9588 700 513</b> | Koni 9005-1039  |
| <b>Setra</b> S 411 HD, S 415 HD, S 415/417 HDH<br><b>Temsa</b> Safari<br><b>VDL</b> Bova Futura                                                                                                                                                                                | front axle            | pin/pin   | <b>9590 214 002</b> | Koni 90-2140SP2 |

Continued on the next page ...

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| suitable for                 | Installation location | Fastening | Order no.           | Comparative no. |
|------------------------------|-----------------------|-----------|---------------------|-----------------|
| <b>Van Hool</b> A300/330     |                       |           | <b>9588 702 668</b> | Koni 90-2668    |
| <b>Van Hool</b> A300/500     |                       | Pin/pin   | <b>9588 781 608</b> | Koni 88-1608    |
| <b>Van Hool</b> T800/900     | front axle/rear axle  | Pin/pin   | <b>9588 781 509</b> | Koni 88-1509    |
| <b>Volvo</b> B10B, B12       | front axle            | Eye/eye   | <b>9588 702 166</b> | Koni 90-2166    |
| <b>Volvo</b> B10M            | rear axle             | Pin/eye   | <b>9588 701 768</b> | Koni 90-1768    |
| <b>Volvo</b> B7R, B10M, B10R |                       | Pin/eye   | <b>9588 781 414</b> | Koni 88-1414SP1 |



Shock absorber

This figure corresponds to 1210 015 610

| suitable for                                                                                   | Installation location | Fastening | Order no.           | Comparative no.   |
|------------------------------------------------------------------------------------------------|-----------------------|-----------|---------------------|-------------------|
| <b>Iveco</b> CityClass                                                                         | rear axle             | Pin/eye   | <b>9205 029 666</b> | Iveco 99477315    |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX) | front axle            | Pin/pin   | <b>1325 066 556</b> | MAN 81.43702-6057 |
| <b>Scania</b> K380                                                                             |                       | Pin/pin   | <b>1210 015 610</b> | Scania 1542619    |



# Pneumatic system

8





|                                               |         |
|-----------------------------------------------|---------|
| Compressors . . . . .                         | 398-404 |
| Air dryer . . . . .                           | 405-414 |
| Valves . . . . .                              | 415-448 |
| Cylinders . . . . .                           | 449-464 |
| Compressed air tank and dewatering . . . . .  | 465-469 |
| Compressed air threaded connections . . . . . | 470-476 |



## WABCO

### Compressor

|                     |                                    |
|---------------------|------------------------------------|
| Number of cylinders | 1                                  |
| Version             | water-cooled, pressure circulation |
| Capacity            | 352 cm <sup>3</sup>                |
| Connection thread   | M26 x 1.5                          |

This figure corresponds to 0063 520 021

| suitable for                                                                                                                                                                                               | Operating pressure | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                                                                          | max. 14 bar        | <b>0063 520 021</b> | WABCO 412 352 003 0 |
| <b>Mercedes-Benz</b> Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 415 HD, S 415/417 HDH,<br>S 415/416/417 GT-HD | max. 12,5 bar      | <b>0063 520 100</b> | WABCO 412 352 026 0 |

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Pneumatic system



## WABCO

### Compressor

Number of cylinders 2

This figure corresponds to 0535 101 030

| suitable for                                                                                                                                              | Capacity            | Connection thread | Order no.                        | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|----------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530),<br>Conecto I (O 345)<br><b>Setra</b> S 315/319 NF, S 415 NF                                                     | 636 cm <sup>3</sup> | M26 x 1.5         | <b>0535 101 030</b>              | WABCO 912 510 103 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Intouro II,<br>Tourino (O 510)<br><b>Setra</b> S 415 NF                                                         | 636 cm <sup>3</sup> | M26 x 1.5         | <b>0066 360 010</b>              | WABCO 912 510 001 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>Integro II (O 550), Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 415/416/417 GT-HD, S<br>415/417/419 UL | 636 cm <sup>3</sup> | M26 x 1.5         | <b>0535 532 000</b>              | WABCO 912 510 200 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo II,<br>Travego II<br><b>Setra</b> S 415/416/417 GT-HD, S 415 HD,<br>S 415/417/419 UL, S 416 GT-HD/2      | 636 cm <sup>3</sup> |                   | <b>0535 032 030</b>              | WABCO 911 553 203 0 |
| <b>Volvo</b> B12B                                                                                                                                         |                     |                   | <sup>1</sup> <b>3805 120 067</b> | WABCO 912 512 006 7 |
| <b>Volvo</b> B13R                                                                                                                                         | 636 cm <sup>3</sup> | M26 x 1.5         | <b>0535 120 040</b>              | WABCO 912 512 029 0 |
| <b>Volvo</b> B9L, B9R                                                                                                                                     |                     |                   | <sup>1</sup> <b>3807 040 190</b> | WABCO 412 704 019 7 |
| <b>Volvo</b> B9R                                                                                                                                          |                     |                   | <b>3800 040 130</b>              | WABCO 412 704 013 0 |

<sup>1</sup> in exchange



## WABCO

### Compressor

|                     |                         |
|---------------------|-------------------------|
| Number of cylinders | 3                       |
| Version             | water cooled            |
| Capacity            | 636/210 cm <sup>3</sup> |
| Operating pressure  | max. 12,5 bar           |

| suitable for                    | Order no.    | Comparative no.     |
|---------------------------------|--------------|---------------------|
| Mercedes-Benz Citaro II (O 530) | 5350 103 030 | Wabco 912 510 303 0 |



## KNORR-BREMSE

### Compressor

|                     |              |
|---------------------|--------------|
| Number of cylinders | 1            |
| Version             | water cooled |

This figure corresponds to 3400 015 948

| suitable for                                                                                                                              | Capacity            | Connection thread       | Order no.    | Comparative no.  |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|--------------|------------------|
| MAN EL (A12), NG (A11), NL (A10/A15)                                                                                                      | 300 cm <sup>3</sup> | M26 x 1.5/<br>M26 x 1.5 | 3400 019 890 | Knorr II40278F   |
| MAN Lion's Coach (R07/R08)<br>Neoplan Cityliner (N 12XX), Tourliner (N 2216)                                                              | 359 cm <sup>3</sup> | M26 x 1.5               | 3400 015 948 | Knorr K071289X00 |
| MAN Lion's Regio (R12)<br>Neoplan Cityliner (N 12XX), Skyliner (2011-),<br>Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516) | 359 cm <sup>3</sup> | M26 x 1.5               | 3400 001 541 | Knorr K070986X00 |



## KNORR-BREMSE

### Compressor

|                     |              |
|---------------------|--------------|
| Number of cylinders | 2            |
| Version             | water cooled |

This figure corresponds to 3400 004 370

| suitable for                    | Capacity            | Connection thread   | Order no.    | Comparative no.   |
|---------------------------------|---------------------|---------------------|--------------|-------------------|
| Heuliez GX 317<br>Irisbus Agora | 500 cm <sup>3</sup> | M26 x 1.5/M26 x 1.5 | 3400 145 500 | Knorr SEB01455X00 |

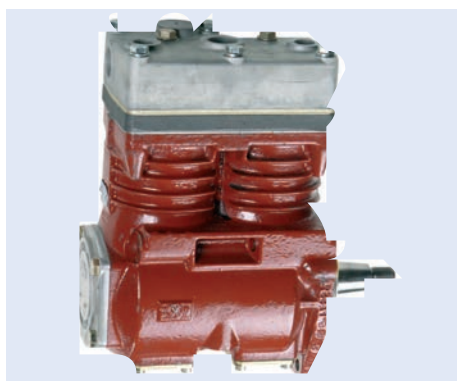
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| suitable for                                                                                                                                                                                | Capacity            | Connection thread   | Order no.           | Comparative no.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------------|
| <b>Heuliez</b> GX 317, 327<br><b>Irisbus</b> Agora, Arway, Arway LE, Citelis, Citelis CNG, Crossway LE, Domino, New Domino, Eurorider, Evadys, Magelys, Récréo II<br><b>Iveco</b> CityClass | 630 cm <sup>3</sup> |                     | <b>3400 001 126</b> | Knorr K022263N00 |
| <b>Irisbus</b> Arway<br><b>Iveco</b> CityClass                                                                                                                                              | 460 cm <sup>3</sup> | M26 x 1.5           | <b>3450 409 670</b> | Knorr K022249N00 |
| <b>Iveco</b> CityClass                                                                                                                                                                      | 600 cm <sup>3</sup> |                     | <b>3400 046 634</b> | Knorr K007304    |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15), NÜ (A20)                                                                                                                                       | 600 cm <sup>3</sup> | M26 x 1.5           | <b>3400 004 370</b> | Knorr II40277F   |
| <b>MAN</b> Lion's City (A20/A21/A23)                                                                                                                                                        | 720 cm <sup>3</sup> |                     | <b>3400 067 172</b> | Knorr K089063N00 |
| <b>MAN</b> Lion's City (A37/A47/A78), Lion's Regio (R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                          | 600 cm <sup>3</sup> | M26 x 1.5           | <b>3400 110 010</b> | Knorr K095873N00 |
| <b>Scania</b> K114/124/380, L94, OmniCity                                                                                                                                                   | 608 cm <sup>3</sup> | M26 x 1,5/M22 x 1,5 | <b>3400 016 615</b> | Knorr K016615ES  |
| <b>Scania</b> K360                                                                                                                                                                          | 720 cm <sup>3</sup> |                     | <b>3400 095 800</b> | Knorr K009580000 |
| <b>Scania</b> K360                                                                                                                                                                          | 720 cm <sup>3</sup> |                     | <b>3400 244 100</b> | Knorr K024410N00 |
| <b>Volvo</b> B10B, B10M                                                                                                                                                                     | 608 cm <sup>3</sup> | M26 x 1.5           | <b>3450 409 715</b> | Knorr K001267X00 |
| <b>Volvo</b> B7R                                                                                                                                                                            | 720 cm <sup>3</sup> | M26 x 1.5           | <b>3400 004 954</b> | Knorr K017528    |

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Pneumatic system



This figure corresponds to 3450 485 100



## Compressor

| suitable for                       | Capacity            | Order no.           | Comparative no.   |
|------------------------------------|---------------------|---------------------|-------------------|
| <b>Irisbus</b> Agora, Arès, Iliade | 500 cm <sup>3</sup> | <b>3450 485 100</b> | Knorr SEB01545X00 |
| <b>Scania</b> K94                  | 600 cm <sup>3</sup> | <b>8000 004 964</b> | Knorr K002046X00  |



(Illustration similar)



## Compressor

|                         |                     |
|-------------------------|---------------------|
| Version                 | water cooled        |
| Connection thread       | M26 x 1.5           |
| Number of cylinders     | 2                   |
| Capacity                | 608 cm <sup>3</sup> |
| Oil pressure connection | M12 x 1.5           |
| Coolant connection      | M16 x 1             |

| suitable for                | Order no.           | Comparative no.  |
|-----------------------------|---------------------|------------------|
| <b>Volvo</b> B7L, B12, B12B | <b>3400 377 600</b> | Knorr K000229X00 |

# Application specialists

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### Compressor as replacement

Number of cylinders 1

| suitable for                        | Order no.           | Comparative no.             |
|-------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407 | <b>1911 287 833</b> | Mercedes-Benz 447 130 28 15 |
| <b>Mercedes-Benz</b> O 407, O 408   | <b>1911 287 830</b> | Mercedes-Benz 447 130 18 15 |

This figure corresponds to 1911 287 833



### Compressor for compressed air systems

Number of cylinders 2  
Width 360 mm  
Length 360 mm  
Thickness 160 mm

| suitable for                                                                                                                                                 | Order no.           | Comparative no.   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A20/A21), Lion's Classic Ü (A72), Lion's Regio (R12), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Trendliner (N 3516) | <b>1911 043 135</b> | MAN 51.54100-7178 |

### Compressor in exchange

Number of cylinders 2

| suitable for                                                                                                                        | Capacity | Order no.           | Comparative no.             |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|-----------------------------|
| <b>MAN</b> Lion's City (A21), Lion's Classic Ü (A72), Lion's Regio (R12), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | 722 cm³  | <b>1911 287 679</b> | MAN 51.54100-9003           |
| <b>MAN</b> Lion's Coach (R07), EL (A12), NG (A11), NL (A10/A15)<br><b>Neoplan</b> Tourliner (N 2216)                                |          | <b>1911 288 031</b> | MAN 51.54100-9001           |
| <b>Mercedes-Benz</b> Intouro II, Tourino (O 510)<br><b>Setra</b> S 415 NF                                                           | 636 cm³  | <b>1911 288 304</b> | Mercedes-Benz 906 130 46 15 |

### Compressor

Number of cylinders 3

| suitable for                              | Order no.           | Comparative no.             |
|-------------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530) | <b>9461 306 015</b> | Mercedes-Benz 457 130 60 15 |
| <b>Mercedes-Benz</b> Citaro II (O 530)    | <b>9461 303 815</b> | Mercedes-Benz 457 130 38 15 |



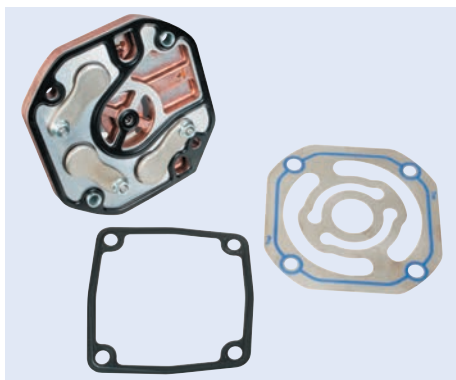

**MAHLE**
**Repair kit  
for compressor**

| suitable for                                                                                                                                                                        | Inner Ø | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405, O 407<br><b>Setra</b> S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | 90 mm   | <b>1911 010 316</b> | Mahle 004 15 90 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT                                                                                    | 100 mm  | <b>1911 010 313</b> | Mahle 004 26 90 |


**Cylinder head  
for compressed air compressor**

This figure corresponds to 1911 089 343

| suitable for                                              | Order no.           | Comparative no.             |
|-----------------------------------------------------------|---------------------|-----------------------------|
| <b>Setra</b> S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | <b>1902 208 519</b> | Mercedes-Benz 442 131 05 19 |
| <b>Setra</b> S 431 DT                                     | <b>1911 089 343</b> | Mercedes-Benz 541 131 12 19 |

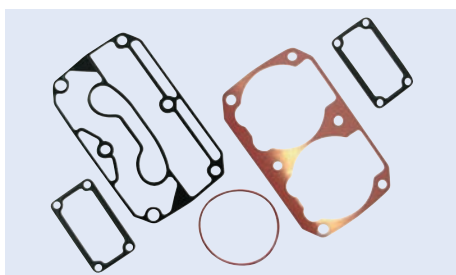

**Valve plate  
for compressor**

| suitable for              | Order no.           |
|---------------------------|---------------------|
| <b>Setra</b> S 315/319 NF | <b>5821 130 018</b> |



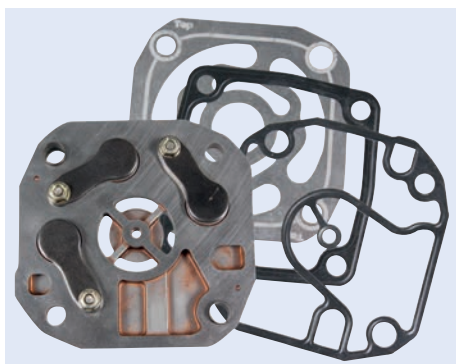
### Valve plate set

| suitable for    | Order no.    | Comparative no.   |
|-----------------|--------------|-------------------|
| Iveco CityClass | 3400 046 973 | Knorr SEB01878004 |



### Gasket set for compressor

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Iveco CityClass | 3400 047 252 | Knorr SEB22550  |



### Gasket set

#### for lamella valve

for cylinder head on compressor

suitable for Mercedes-Benz 541 130 06 20

| suitable for                    | Order no.    |
|---------------------------------|--------------|
| Mercedes-Benz Travego I (O 580) | 9460 006 669 |
| Setra S 416 HDH, S 431 DT       |              |



### Relief pressure valve DR5125

Connection thread M26 x 1.5  
Opening pressure 17 bar

| suitable for  | Order no.    | Comparative no. |
|---------------|--------------|-----------------|
| Van Hool A330 | 3407 512 500 | Knorr I99812    |

**WABCO****Air treatment unit**

| suitable for                         | Order no.           | Comparative no.     |
|--------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510) | <b>3805 000 400</b> | WABCO 932 500 040 0 |

**Air treatment unit**

This figure corresponds to 3400 004 997

| suitable for                                      | Version | Order no.           | Comparative no. |
|---------------------------------------------------|---------|---------------------|-----------------|
| <b>Irisbus</b> Citelis, Citelis CNG               |         | <b>3400 093 500</b> | Knorr K009355   |
| <b>Irisbus</b> Crossway LE, Magelys HD, Récréo II | heated  | <b>3400 004 997</b> | Knorr K004997   |

**WABCO****Air dryer**

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| Version            | 1-chamber system with integrated pressure regulator and heating |
| Operating pressure | max. 13 bar                                                     |
| Voltage            | 24 V                                                            |

| suitable for                                                                                                    | Cut-off pressure | Connection thread                           | Order no.                          | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------|------------------------------------|---------------------|
| <b>Irisbus</b> Eurorider                                                                                        | 11±0,2 bar       | M22 x 1,5/M22 x 1,5/<br>M12 x 1,5/M12 x 1,5 | <b>0174 100 350</b>                | WABCO 432 410 035 0 |
| <b>MAN</b> Lion's Classic Ü (A72),<br>EL (A12), NG (A11), NL (A10/A15)                                          | 10±0,2 bar       | M22 x 1,5/M22 x 1,5/<br>M12 x 1,5           | <sup>1/2</sup> <b>0174 102 507</b> | WABCO 432 410 250 7 |
| <b>MAN</b> Lion's Coach (R08)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Skyliner (2011-),<br>Trendliner (N 3516) | 12,5 ±0,2 bar    | M22 x 1.5/M22 x 1.5 /<br>M16 x 1.5          | <b>3800 041 000</b>                | WABCO 432 410 134 0 |
| <b>Solaris</b> Urbino III                                                                                       | 10,0±0,2 bar     | M22 x 1.5/M22 x 1.5/<br>M12 x 1.5           | <b>0174 100 270</b>                | WABCO 432 410 027 0 |

<sup>1</sup> with noise reduction (line noise)

<sup>2</sup> in exchange

**WABCO****Air dryer  
in exchange**

connections 21 and 22 for VOSS plug fittings

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| Version            | 1-chamber system with integrated pressure regulator and heating |
| Operating pressure | max. 13 bar                                                     |
| Connection thread  | M22 x 1,5/M16 x 1,5                                             |
| Voltage            | 24 V                                                            |

This figure corresponds to 0174 101 127

| suitable for                                                                                                                                                                                                      | Cut-off pressure | Operating range | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78),<br>NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                          | 10±0,2 bar       | 1,0+0,5 bar     | <b>0174 101 167</b> | WABCO 432 410 116 7 |
| <b>MAN</b> Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), Lion's Star (R02/R03)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Cityliner (N 12XX), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516) | 12,5±0,2 bar     | 1,3+ 0,7 bar    | <b>0174 101 127</b> | WABCO 432 410 112 7 |

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Pneumatic system

**WABCO****Air dryer**

|                    |                  |
|--------------------|------------------|
| Version            | 1-chamber system |
| Operating pressure | max. 13 bar      |
| Voltage            | 24 V             |

| suitable for                                                  | Cut-off pressure | Connection                          | Order no.           | Comparative no.     |
|---------------------------------------------------------------|------------------|-------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530)                        | 11,5±0,3 bar     |                                     | <b>0564 000 014</b> | WABCO 932 400 014 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>Tourismo I (O 350) | 8,5±0,2 bar      | M16 x 1,5/<br>M22 x 1,5<br>VOSS 230 | <b>0174 100 790</b> | WABCO 432 410 079 0 |
| <b>Mercedes-Benz</b> Tourino (O 510)                          | 12±0,3 bar       |                                     | <b>3854 000 180</b> | WABCO 932 400 018 0 |

*WABCO diagnostic cases and test rigs can be found on pages 626 and 627.*



## WABCO

### Air dryer

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Version            | 1-chamber system with integrated pressure regulator, without heating |
| Operating pressure | max. 13 bar                                                          |
| Type               | ECAD                                                                 |
| Voltage            | 24 V                                                                 |

| suitable for | Order no.    | Comparative no.     |
|--------------|--------------|---------------------|
| Volvo B13R   | 3800 425 101 | WABCO 432 425 105 0 |



## WABCO

### Air dryer

|                    |                                                                 |
|--------------------|-----------------------------------------------------------------|
| Version            | 2-chamber system with integrated pressure regulator and heating |
| Operating pressure | 13 bar                                                          |
| Connection thread  | M22 x 1.5/M16 x 1.5                                             |
| Voltage            | 24 V                                                            |

This figure corresponds to 0174 320 020

| suitable for | Cut-off pressure | Order no.    | Comparative no.     |
|--------------|------------------|--------------|---------------------|
| MAN NG (A23) | 10±0,2 bar       | 0174 320 020 | WABCO 432 433 202 0 |
| Volvo B7L    |                  | 0174 310 100 | WABCO 432 431 010 0 |



## KNORR-BREMSE

### Air dryer

|         |              |
|---------|--------------|
| Version | with heating |
| Voltage | 24 V         |

This figure corresponds to 3400 017 950

| suitable for      | Cut-off pressure | Connection                    | Order no.                 | Comparative no.  |
|-------------------|------------------|-------------------------------|---------------------------|------------------|
| Irisbus Arway     | 9,5 bar          |                               | 3400 037 929              | Knorr II37929    |
| Irisbus Arway     | 9,5 bar          | M22 x 1.5/M22 x 1.5           | 3400 017 760              | Knorr K016602N00 |
| Irisbus Eurorider | 11,0±0,2 bar     | M22 x 1.5/M22 x 1.5/M12 x 1.5 | 3400 017 950              | Knorr II19484N00 |
| Iveco CityClass   | 11,0±0,2 bar     | M22 x 1.5/M22 x 1.5/M12 x 1.5 | <sup>1</sup> 3400 030 650 | Knorr II30650N00 |

<sup>1</sup> with heating and integrated silencer



## Air dryer

Version with heating  
Voltage 24 V

| suitable for                                                                                                                                                                        | Cut-off pressure | Connection thread                  | Fig.         | Order no.           | Comparative no.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------|--------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Tourismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD,<br>S 416/417 HDH, S 431 DT,<br>S 415/417 GT-HD, S 415/417/419 UL |                  |                                    | 1            | <b>3400 010 514</b> | Knorr II36007N50 |
| <b>Mercedes-Benz</b> O 405 N, O 408                                                                                                                                                 |                  | M22 x 1.5/M22 x 1.5 /<br>M16 x 1.5 | 2            | <b>3411 673 570</b> | Knorr K025606    |
| <b>Mercedes-Benz</b> O 407,<br>Tourismo I (O 350)                                                                                                                                   | 8,1±0,2 bar      | M22 x 1.5/M22 x 1.5/<br>M12 x 1.5  | <sup>1</sup> | <b>3400 018 190</b> | Knorr II30448    |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                | 12,3±0,3 bar     |                                    |              | <b>3400 024 634</b> | Knorr K024634N50 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 416 GT-HD                                                                                                                  | 12,3 bar         | M22 x 1.5/M22 x 1.5                | 3            | <b>3400 360 070</b> | Knorr II36007    |

<sup>1</sup> with heating and integrated silencer



## Air dryer

Version with heating  
Cut-off pressure 10,0±0,2 bar  
Voltage 24 V

| suitable for                        | Connection                     | Fig. | Order no.                        | Comparative no. |
|-------------------------------------|--------------------------------|------|----------------------------------|-----------------|
| <b>Neoplan</b> Centroliner (N 45XX) | M22 x 1.5/M22 x 1.5 /M16 x 1.5 | 1    | <b>3450 407 775</b>              | Knorr II19207   |
| <b>Neoplan</b> Skyliner (N 1122)    | Kostal M27 x 1 (2 x Ø 4) mm    | 2    | <sup>1</sup> <b>3400 019 670</b> | Knorr II35523   |

<sup>1</sup> with integrated exhaust air silencer



**Air dryer**

Version 1 chamber system (SDX), with heating  
 Connection thread M22 x 1.5 / M12 x 1,75

This figure corresponds to 3400 789 860

| suitable for            | Cut-off pressure | Order no.    | Comparative no. |
|-------------------------|------------------|--------------|-----------------|
| Iveco CityClass         | 11,0±0,2 bar     | 3400 871 270 | Haldex 87127    |
| Scania K94/114/124, L94 | 10,3±0,2 bar     | 3400 789 860 | Haldex 78986    |

**Air dryer**

Version 1 chamber system (SDX), without heating  
 Connection thread M22 x 1.5/M16 x 1.5/M12 x 1.5

This figure corresponds to 6430 093 096

| suitable for                     | Cut-off pressure | Operating range | Order no.    | Comparative no. |
|----------------------------------|------------------|-----------------|--------------|-----------------|
| Volvo B5LH, B7R, B9R, B12B       | 10,8±0,2 bar     | 1,3±0,2 bar     | 6430 093 096 | Haldex 93096    |
| Volvo B7L, B10M, B12, B12B, B12R | 12±0,2 bar       | 1,0±0,3 bar     | 3970 090 548 | Haldex 90548    |
| Volvo B7R, B9L, B9TL, B12B       | 12,0±0,2 bar     | 1,0±0,3 bar     | 3970 093 097 | Haldex 93097    |
| Volvo B7R, B9R, B10B, B12B, B12R | 10,8±0,2 bar     | 1,3±0,2 bar     | 3400 087 282 | Haldex 87282    |

**Antifreeze pump  
with control connection**

Connection thread M22 x 1,5/1 x M12 x 1,5

| suitable for        | Order no.    | Comparative no.     |
|---------------------|--------------|---------------------|
| Mercedes-Benz O 408 | 3400 046 159 | Knorr 0484451014000 |



## WABCO

### Compressed air cleaner in exchange

Connection thread M22 x 1,5

Operating pressure max. 10 bar

Dewatering at 8 bar for 0,25 to 0,4 bar

| suitable for                           | Order no.           | Comparative no.     |
|----------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530) | <b>0175 110 007</b> | WABCO 432 511 000 7 |



## WABCO

### Air dryer cartridge

#### Air System Protector PLUS (ASP-PLUS)

Coalescence filter before and after the drying agent, optimal filter performance, best protection thanks to innovative technology, 50% extended replacement interval (3 years recommended duty cycle under normal conditions), reduced service requirement, fewer repair-based downtimes

Operating pressure 13 bar

Connection thread M39 x 1,5

Threadtype Right-hand thread

#### Application range

suitable for all vehicles, particularly suitable for vehicles with high air consumption

| Order no.           | Comparative no.     |
|---------------------|---------------------|
| <b>3804 102 442</b> | WABCO 432 410 244 2 |



## WABCO

### Air dryer cartridge

#### ASP (Air System Protector)

new drying agent cartridge with improved oil precipitation thanks to integrated coalescence filter for precipitating the tiniest of oil drops, based on tried and trusted WABCO technology

Operating pressure max. 13 bar

Connection thread M39 x 1,5

Threadtype right-hand thread

**Easy to retrofit as a replacement for standard drying agent cartridge.**

| suitable for                                                                                                                                                                                                                 | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Citelis, Citelis CNG, Crossway LE, Magelys HD/Pro, Récréo II                                                                                                                                                  | <b>0179 012 232</b> | WABCO 432 901 223 2 |
| <b>MAN</b> Lion's Coach (R08), Lion's Star (R02/R03), EL (A12), NG (A11), NL (A10, A15)                                                                                                                                      |                     |                     |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Cito (O 520), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II, Travego I/II (O 580)                                                              |                     |                     |
| <b>Setra</b> S 309 HD, S 312/315 HD, S 315 HDH/2, S 313 UL, S 315 UL/UL-GT, S 319 UL/UL-GT, S 315 GT/H, S 315/317 HDH/3, S 315/317/319 GT-HD, S 315/319 NF, S 328 DT, S 411 HD, S 415 HD, S 415/417 HDH, S 431 DT, SG 321 UL |                     |                     |
| <b>Volvo</b> B13R                                                                                                                                                                                                            |                     |                     |



## WABCO

### Air dryer cartridge as replacement

Operating pressure max. 13 bar

Connection thread M39 x 1.5

Replacement for WABCO 432 410 020 2

#### suitable for

**Irisbus** Arway, Eurorider

**Iveco** CityClass

**MAN** Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72),  
Lion's Coach (R07/R08), Lion's Regio (R12/R13), EL (A12),  
NG (A11/A23), NL (A10/A15/A21), NÜ (A20)

**Mercedes-Benz** Citaro I/II (O 530), Conecto I (O 345), O 405 N, O 407, O 408,  
Tourino (O 510), Tourismo I (O 350), Travego I (O 580)

**Neoplan** Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-),  
Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)

**Setra** S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT,  
S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT,  
SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 416 GT-HD

#### Order no.

3419 851 271

#### Comparative no.

WABCO 432 410 222 7

8

Pneumatic system



## WABCO

### Air dryer cartridge standard

Version high pressure

Operating pressure max. 20 bar

#### suitable for

**Irisbus** Eurorider

**Iveco** CityClass

#### Order no.

0174 102 202

#### Comparative no.

Wabco 432 410 220 2



## WABCO

### Air dryer cartridge

Operating pressure 13 bar

Connection thread G 1 1/4"

#### suitable for

**Scania** K360/380

#### Order no.

7980 000 179

#### Comparative no.

Wabco 432 410 927 2



## WABCO

### Air dryer cartridge

|                    |                            |
|--------------------|----------------------------|
| Type               | ASP (Air System Protector) |
| Version            | with coalescence filter    |
| Operating pressure | max. 13 bar                |
| Connection thread  | M41 x 1.5                  |
| Threadtype         | right-hand thread          |

| suitable for                            | Order no.    | Comparative no.     |
|-----------------------------------------|--------------|---------------------|
| Van Hool CL9, T9, TD9, TL9, TX, TDX VDL | 3800 024 521 | WABCO 432 901 246 2 |



### Air dryer cartridge for MTC

#### Application range

air dryer, 1 chamber system (SDX)

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Iveco CityClass | 3970 078 800 | Haldex 78800    |



### Air dryer cartridge for MTC+

|         |        |
|---------|--------|
| Outer Ø | 148 mm |
| Inner Ø | 12 mm  |
| Height  | 168 mm |

#### Application range

air dryer, 1-chamber system (SDX)

| suitable for                                                      | Order no.    | Comparative no. |
|-------------------------------------------------------------------|--------------|-----------------|
| Scania K114/124                                                   | 3700 093 522 | Haldex 93522    |
| Solaris Urbino                                                    |              |                 |
| Volvo B5LH, B7L, B7R, B9L, B9R, B9TL, B10B, B10M, B12, B12B, B12R |              |                 |



### Air dryer cartridge

|                   |         |
|-------------------|---------|
| Outer Ø           | 136 mm  |
| Height            | 178 mm  |
| Connection thread | G1 1/4" |

| suitable for | Order no.    | Comparative no.  |
|--------------|--------------|------------------|
| Scania K360  | 9740 013 943 | MANN TB 1394/3 x |



### Air dryer cartridge

|                   |           |
|-------------------|-----------|
| Outer Ø           | 136 mm    |
| Inner Ø           | 100 mm    |
| Height            | 165 mm    |
| Connection thread | M39 x 1,5 |

| suitable for                                                                                                                                       | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Agora, Arès, Arway, Axer, Crossway, Citelis, Crealis, Domino, Eurorider, Evadys, Iliade, Récréo                                     | <b>9750 104 558</b> | Hengst T250W    |
| <b>Iveco</b> CityClass                                                                                                                             |                     |                 |
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A10), NÜ (A20) |                     |                 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                             |                     |                 |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)             |                     |                 |
| <b>Setra</b> S 416 HDH, S 416 GT-HD                                                                                                                |                     |                 |



### WABCO

#### Repair kit for air dryer

| suitable for                                                   | Order no.           | Comparative no.     |
|----------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A23), EL (A12), NG (A11), NL (A10/A15) | <b>0174 100 012</b> | WABCO 432 410 001 2 |



#### Repair kit for air dryer

| suitable for                                | Order no.           | Comparative no. |
|---------------------------------------------|---------------------|-----------------|
| <b>Iveco</b> CityClass                      | <b>3400 713 270</b> | Haldex 71327    |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) |                     |                 |



### Repair kit for air dryer

| suitable for                                                                                                                                                                                                                                                       | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Setra</b> S 309 HD, S 315/317 HDH/3,<br>S 328 DT, S 315 GT, S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL,<br>S 411/415 HD, S 415/417 HDH, S 431 DT<br><b>Volvo</b> B9TL | <b>3400 713 760</b> | Haldex 71376    |



### Repair kit for air dryer

Version 1 chamber system (SDX)

| suitable for                    | Order no.           | Comparative no. |
|---------------------------------|---------------------|-----------------|
| <b>Volvo</b> B5LH, B9R, B12B    | <b>3977 036 913</b> | Haldex 93101S   |
| <b>Volvo</b> B9L, B9TL, B12B LE | <b>3970 093 102</b> | Haldex 92047S   |



### Pipe filter

Version any desired through-flow direction  
Operating pressure 20 bar

| suitable for                                                                                  | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass<br><b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Van Hool</b> A330 | <b>1740 060 040</b> | WABCO 432 500 020 0 |





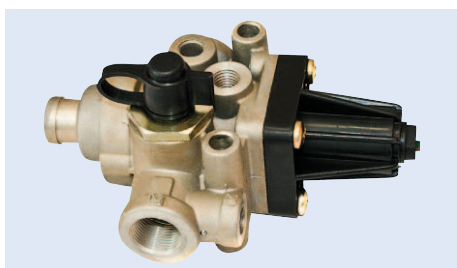
## WABCO

### Pressure regulator

|                   |                |
|-------------------|----------------|
| Connection thread | M22 x 1,5      |
| Operating range   | 0,7+0,5 bar    |
| Cut-off pressure  | 8,5±0,2 bar    |
| Temperature range | -40 to +150 °C |

| suitable for                                   | Version                                                             | Order no.                        | Comparative no.     |
|------------------------------------------------|---------------------------------------------------------------------|----------------------------------|---------------------|
| <b>Mercedes-Benz</b> O 404, O 405 N, O 407     | with air dryer connection                                           | <b>0653 030 710</b>              | WABCO 975 303 071 0 |
| <b>Mercedes-Benz</b> O 407                     | connection 21 without check valve                                   | <sup>1</sup> <b>0653 034 727</b> | WABCO 975 303 472 7 |
| <b>Mercedes-Benz</b> O 408, Tourismo I (O 350) | connection 23 without check valve<br>connection 21 with check valve | <b>0653 034 697</b>              | WABCO 975 303 469 0 |

<sup>1</sup> in exchange



## KNORR-BREMSE

### Pressure regulator

#### Typ DR0

|                           |                                         |
|---------------------------|-----------------------------------------|
| Connection thread         | 21: M22 x 1,5,<br>22, 23, 24: M12 x 1,5 |
| Opening pressure          | 13,5 bar                                |
| Switch-on pressure        | 7,8 bar                                 |
| Cut-off pressure          | 8,5 bar                                 |
| tyre inflation connection | M16 x 1,5                               |

| suitable for               | Order no.           | Comparative no.     |
|----------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 408 | <b>3409 228 000</b> | Knorr 0481039228000 |



## WABCO

### Four-circuit protection valve dynamic

|                    |                     |
|--------------------|---------------------|
| Connection thread  | M22 x 1,5/M16 x 1,5 |
| Operating pressure | max. 13 bar         |

This figure corresponds to 3807 144 000

| suitable for                                                                                                           | Opening pressure                                   | Closing pressure  | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------|---------------------|---------------------|
| <b>Irisbus</b> Eurorider                                                                                               | 21-22: 9,3-0,3 bar<br>23: 7,3-0,3, 24: 6,3-0,3 bar |                   | <b>0577 021 220</b> | WABCO 934 702 122 0 |
| <b>MAN</b> Lion's City (A20/A21), NG (A23),<br>NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Trendliner (N 3516) | 21-22, 24: 6,9-0,3 bar<br>23: 7,0-0,3 bar          | 21-24: >= 5 bar   | <b>3807 144 000</b> | WABCO 934 714 400 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>Tourismo I (O 350)<br><b>Solaris</b> Urbino III                             | 21-22, 24: 7,0-0,3 bar<br>23: 7,5-0,3 bar          | 21-24: >= 4,5 bar | <b>0577 141 250</b> | WABCO 934 714 125 0 |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                       | 21-22, 24: 7,9-0,3 bar<br>23: 8,3-0,3 bar          | 21-24: 6 bar      | <b>0577 143 200</b> | WABCO 934 714 320 0 |



## WABCO

### Four-circuit protection valve dynamic

|                    |                                              |
|--------------------|----------------------------------------------|
| Connection thread  | M12 x 1,5/M22 x 1,5                          |
| Opening pressure   | 21-22: 9,0-0,3 bar<br>23-28: 7,5-0,3 bar     |
| Closing pressure   | 21-22: $\geq 7$ bar<br>23-28: $\geq 4,5$ bar |
| Operating pressure | 13 bar                                       |

#### suitable for

**Mercedes-Benz** Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Tourismo II, Travego II

**Setra** S 415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF

#### Order no.

**0577 050 080**

#### Comparative no.

WABCO 934 705 008 0



## WABCO

### Four-circuit protection valve in exchange

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Version            | static                                                  |
| Connection thread  | M22 x 1.5/M16 x 1.5                                     |
| Opening pressure   | 21-22: $\leq 7,5$ bar<br>23-24: $P(21-22)+0,5/+0,2$ bar |
| Closing pressure   | 21-22: $6,5+0,5$ bar<br>23-24: $6,5+1,0$ bar            |
| Operating pressure | max. 13 bar                                             |

#### suitable for

**Iveco** CityClass

#### Order no.

**0577 141 197**

#### Comparative no.

WABCO 934 714 119 7



## WABCO

### Four-circuit protection valve as replacement

|                    |                     |
|--------------------|---------------------|
| Version            | dynamic             |
| Connection thread  | M22 x 1,5/M16 x 1,5 |
| Closing pressure   | 21-24: $\geq 5$ bar |
| Operating pressure | 20 bar              |

This figure corresponds to 0577 023 227

#### suitable for

**MAN** Lion's Classic Ü (A72), EL (A12), NG (A11), NL (A10, A15)

#### Opening pressure

21-22: 6,9-0,3 bar  
23: 7,0-0,2 bar  
24: 7,0-0,3 bar

#### Order no.

**0577 023 227**

#### Comparative no.

WABCO 934 702 322 7

**MAN** NL (A10)

**Mercedes-Benz** O 405 N, O 407, O 408

21-24: 7,0-0,3 bar

**0577 023 007**

WABCO 934 702 300 7



This figure corresponds to 0577 050 050

## WABCO

### Four-circuit protection valve as replacement

|                    |                                              |
|--------------------|----------------------------------------------|
| Version            | dynamic                                      |
| Connection thread  | M12 x 1,5/M22 x 1,5                          |
| Opening pressure   | 21-22: 9,0-0,3 bar<br>23-28: 7,5-0,3 bar     |
| Closing pressure   | 21-22: $\geq 7$ bar<br>23-28: $\geq 4,5$ bar |
| Operating pressure | max. 13 bar                                  |

| suitable for                             | Order no.           | Comparative no.     |
|------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530) | <b>0577 050 037</b> | WABCO 934 705 003 7 |
| <b>Mercedes-Benz</b> Tourino (O 510)     | <b>0577 050 050</b> | WABCO 934 705 005 7 |



## WABCO

### Four-circuit protection valve in exchange

|                    |                       |
|--------------------|-----------------------|
| Version            | dynamic               |
| Connection thread  | M22 x 1,5             |
| Connection         | VOSS                  |
| Opening pressure   | 21-24: 7 bar          |
| Closing pressure   | 21-24: $\geq 6,7$ bar |
| Operating pressure | 20 bar                |

| suitable for                                   | Order no.           | Comparative no.     |
|------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404 | <b>0577 022 607</b> | WABCO 934 702 260 7 |



## KNORR-BREMSE

### Four-circuit protection valve

without safety venting in spring actuator circuit, parallel switching (internal) all circuits

|                   |                                 |
|-------------------|---------------------------------|
| Type              | AE4440                          |
| Connection thread | M22 x 1,5/9 mm flange           |
| Opening pressure  | 21-22, 23: 7 bar<br>24: 7,3 bar |
| Closing pressure  | 21-23: 4,5 bar                  |

| suitable for                    | Order no.           | Comparative no. |
|---------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arway, Eurorider | <b>3400 020 390</b> | Knorr SEB01115  |

WABCO diagnostic cases and test rigs can be found on pages 626 and 627.



### Four-circuit protection valve

|                   |                                        |
|-------------------|----------------------------------------|
| Type              | AE4646                                 |
| Connection thread | M22 x 1.5/M16 x 1.5                    |
| Opening pressure  | 21, 23: 7,5 bar<br>22, 24: 7,5+0,5 bar |
| Closing pressure  | 21, 23: 7,5 bar<br>22, 24: 7,5+0,5 bar |

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Iveco CityClass | 1970 000 037 | Knorr K019909   |



### Four-circuit protection valve

without safety venting in spring actuator circuit

|                   |                                            |
|-------------------|--------------------------------------------|
| Type              | AE4422                                     |
| Connection thread | M22 x 1.5                                  |
| Opening pressure  | 21-22, 24: 6,9 bar<br>23: 7 bar            |
| Closing pressure  | 21: 0 bar<br>22: 4,5 bar<br>23-24: 6,5 bar |

This figure corresponds to 3402 442 200

| suitable for                                                                                                                                                                                                                                               | Order no.    | Comparative no. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | 3402 442 200 | Knorr II18172   |



### Four-circuit protection valve

|                   |           |
|-------------------|-----------|
| Type              | AE4506    |
| Connection thread | M16 x 1,5 |
| Connection        | VOSS      |

| suitable for                                                                                                                                                              | Order no.    | Comparative no.   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/417 GT-HD, S 415/417/419 UL | 3400 360 080 | Knorr II38797FN50 |



### Four-circuit protection valve

without safety venting in spring actuator circuit

|                   |                                |
|-------------------|--------------------------------|
| Type              | AE4405                         |
| Connection thread | M22 x 1,5/M16x1,5              |
| Opening pressure  | 21-22: 6,5 bar<br>23-24: 6 bar |
| Closing pressure  | 21-22: 6,5 bar<br>23-24: 6 bar |

| suitable for               | Order no.    | Comparative no. |
|----------------------------|--------------|-----------------|
| Volvo B7L, B10B, B10M, B12 | 3450 407 155 | Knorr I89408000 |



### Four-circuit protection valve

with safety venting in spring accumulator circuit, controlled through circuit 2, series switching (external) of circuits 1 and 2 to 3 and 4

|                   |                                  |
|-------------------|----------------------------------|
| Type              | AE4604                           |
| Connection thread | M22 x 1.5/M16 x 1.5              |
| Opening pressure  | 21-22: 6,3 bar<br>23-24: 5,8 bar |
| Closing pressure  | 21-22: 6,3 bar<br>23-24: 5,8 bar |

| suitable for                                      | Order no.    | Comparative no.  |
|---------------------------------------------------|--------------|------------------|
| Volvo B5LH, B7R, B9L, B9R, B9TL, B12B, B12R, B13R | 3450 408 375 | Knorr II36012000 |



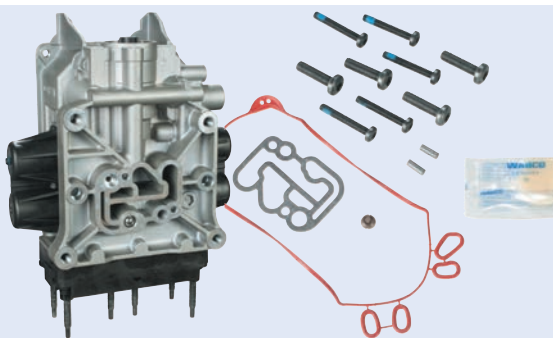
### Four-circuit protection valve

with safety venting in spring actuator circuit, controlled through circuit 2, series connection (internal) of circuits 1 and 2 to 3 and 4

|                   |                                  |
|-------------------|----------------------------------|
| Type              | AE4603                           |
| Connection thread | M22 x 1.5/M16 x 1.5              |
| Opening pressure  | 21-22: 6,3 bar<br>23-24: 5,8 bar |
| Closing pressure  | 21-22: 6,3 bar<br>23-24: 5,8 bar |

| suitable for    | Order no.    | Comparative no.  |
|-----------------|--------------|------------------|
| Volvo B9R, B10B | 2127 006 979 | Knorr II36011000 |




**WABCO**

### Repair kit four-circuit protection valve

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Scania K360/380 | 3805 109 582 | WABCO 932 510 958 2 |


**WABCO**

### Blowoff valve

|                    |             |
|--------------------|-------------|
| Connection thread  | M16 x 1,5   |
| Operating pressure | max. 10 bar |
| Nominal width      | 10 mm       |

This figure corresponds to 0390 150 040

| suitable for                                                                                                                                                       | Outlet pressure        | Inlet pressure | Setting range | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|---------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Magelys HD                                                                                                                                   | 7+0,2 bar              | 8,9 bar        |               | <b>0390 150 330</b> | WABCO 475 015 033 0 |
| <b>Irisbus</b> Citelis                                                                                                                                             | 8±0,2 bar              | 10 bar         | 4-8 bar       | <b>0390 150 180</b> | WABCO 475 015 018 0 |
| <b>Irisbus</b> Eurorider                                                                                                                                           | 8,5-0,4 bar            | 11 bar         | 8,5-11 bar    | <b>0390 150 390</b> | WABCO 475 015 039 0 |
| <b>Iveco</b> CityClass                                                                                                                                             |                        |                |               |                     |                     |
| <b>MAN</b> Lion's City (A21),<br>Lion's Classic Ü (A72), EL (A12),<br>NG (A11/A23), NL (A10/A15)                                                                   | 3,5±0,2 bar            | 8 bar          | 3,5-4,5 bar   | <b>0390 150 040</b> | WABCO 475 015 004 0 |
| <b>Solaris</b> Urbino III                                                                                                                                          |                        |                |               |                     |                     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                                  | 4,5±0,2 bar            | 8 bar          | 3,5-4,5 bar   | <b>0390 154 000</b> | WABCO 475 015 400 0 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                                                  |                        |                |               |                     |                     |
| <b>Scania</b> K94/114/124/360, L94                                                                                                                                 | 8+0,3 bar/<br>-0,1 bar | 12 bar         | 4-8 bar       | <b>0390 150 050</b> | WABCO 475 015 005 0 |
| <b>Setra</b> S 309/312/315 HD,<br>S 315 HDH/2, S 315/317 HDH/3,<br>S 328 DT, S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL |                        |                |               |                     |                     |
| <b>Van Hool</b> A330                                                                                                                                               | 6,5±0,2 bar            | 8,5 bar        | 4,0-8,0 bar   | <b>0390 155 000</b> | WABCO 475 015 500 0 |





## WABCO

### Blowoff valve

|                    |             |
|--------------------|-------------|
| Connection thread  | M22 x 1,5   |
| Operating pressure | max. 20 bar |
| Nominal width      | 10 mm       |

This figure corresponds to 0390 103 010

| suitable for                                                                                                                                                                                                                           | Outlet pressure | Inlet pressure | Setting range | Order no.                        | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|---------------|----------------------------------|---------------------|
| <b>Irisbus</b> Eurorider                                                                                                                                                                                                               | 3,5+0,3 bar     | 7,5 bar        | 3,5-6 bar     | <b>0390 100 110</b>              | WABCO 475 010 011 0 |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Coach (R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                       | 8,0+0,2 bar     | 12 bar         | 5,8-10,8 bar  | <b>0390 103 180</b>              | WABCO 475 010 318 0 |
| <b>MAN</b> Lion's City (A20/A21/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07), Lion's Regio (R12/R13)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Tourliner (N 2216), Trendliner (N 3516) | 6,5+0,3 bar     | 12 bar         | 5,8-10,8 bar  | <b>0390 103 170</b>              | WABCO 475 010 317 0 |
| <b>MAN</b> Lion's City (A20), Lion's Regio (R12/R13), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                       | 7,0+0,3 bar     | 10 bar         | 5,8-10,8 bar  | <b>0390 103 140</b>              | WABCO 475 010 314 0 |
| <b>MAN</b> Lion's Coach (R07)                                                                                                                                                                                                          | 10±0,3 bar      | 12 bar         | 9,6-12 bar    | <b>0390 103 010</b>              | WABCO 475 010 301 0 |
| <b>MAN</b> Lion's Regio (R12)<br><b>Neoplan</b> Cityliner (N 12XX)                                                                                                                                                                     | 3,3+0,3 bar     | 7,5 bar        | 1-3,5 bar     | <sup>1</sup> <b>0390 100 087</b> | WABCO 475 010 008 7 |
| <b>MAN</b> NL (A10)                                                                                                                                                                                                                    | 7,8+0,2 bar     | 10 bar         | 5,8-10,8 bar  | <b>0390 103 080</b>              | WABCO 475 010 308 0 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)                                                                                                                                                                                            | 10±0,3 bar      |                |               | <b>0390 102 010</b>              | WABCO 475 010 201 0 |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II<br><b>Setra</b> S 417 UL                                                                                                                                                           | 3,5+0,3 bar     | 10 bar         | 1,2-6,2 bar   | <b>0390 103 250</b>              | WABCO 475 010 325 0 |

<sup>1</sup> as replacement



## WABCO

### Blowoff valve

Connection thread M12 x 1,5  
Operating pressure max. 10 bar

This figure corresponds to 0390 090 050

| suitable for                                                                              | Outlet pressure | Inlet pressure | Order no.                        | Comparative no.     |
|-------------------------------------------------------------------------------------------|-----------------|----------------|----------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                               | 1,2 bar         | 10 bar         | <sup>1</sup> <b>0390 090 217</b> | WABCO 475 009 021 7 |
| <b>MAN</b> Lion's Coach (R08)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Tourliner (N 2216) | 0,3±0,1 bar     | 8 bar          | <b>0390 090 050</b>              | WABCO 475 009 005 0 |

<sup>1</sup> in exchange



## WABCO

### Blowoff valve

Connection thread M16 x 1,5  
Outlet pressure 5,5+0,3 bar  
Operating pressure max. 14 bar  
Inlet pressure 8,5 bar  
Nominal width 10 mm

| suitable for                                                                                                                               | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Tourino (O 510)<br><b>Setra</b> S 417 HDH, S 431 DT, S 416/417 GT-HD, S 419 UL | <b>0390 155 120</b> | WABCO 475 015 512 0 |



## WABCO

### Blowoff valve in exchange

Connection thread M22 x 1.5/M22 x 1.5  
Operating pressure max. 8 bar  
Setting range 0,5±0,1 bar

| suitable for                                              | Order no.           | Comparative no.     |
|-----------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72), EL (A12), NL (A10/A15) | <b>0650 010 027</b> | WABCO 975 001 002 7 |

**WABCO****Blowoff valve  
in exchange**

Connection thread M22 x 1,5  
Operating pressure max. 20 bar

This figure corresponds to 0390 100 007

| suitable for                                                                                                                                                               | Outlet pressure | Inlet pressure | Setting range | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|---------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A23/A37/A47/A78),<br>Lion's Coach (R07/R08),<br>Lion's Regio (R12)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Skyliner (N 1122), Trendliner (N 3516) | 8,5±0,3 bar     | 10 bar         | 5,8-10,8 bar  | <b>0390 103 007</b> | WABCO 475 010 300 7 |
| <b>Solaris</b> Urbino III<br><b>Volvo</b> B12B                                                                                                                             | 7+0,3 bar       | 10 bar         | 6-9 bar       | <b>0390 100 007</b> | WABCO 475 010 000 7 |

**KNORR-BREMSE****Blowoff valve**

Connection thread M16 x 1,5

This figure corresponds to 3600 011 909

| suitable for                                                                                                                                                                                                                                                     | Setting range | Outlet pressure | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407                                                                                                                                                                                                           | 2,5-8,5 bar   | 3,2 bar         | <b>3406 115 900</b> | Knorr 0481009032000 |
| <b>Mercedes-Benz</b> Integro II (O 550), O 405 N,<br>Tourismo II, Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/<br>417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 UL | 8,5-11 bar    | 8,5 bar         | <b>3600 011 909</b> | Knorr 0481009039000 |



## WABCO

### Overflow valve with limited return flow

Connection thread M22 x 1,5  
Nominal width 8 mm

This figure corresponds to 0191 002 260

| suitable for                                                                           | Overflow pressure | Operating pressure | Order no.                        | Comparative no.     |
|----------------------------------------------------------------------------------------|-------------------|--------------------|----------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Neoplan</b> Centroliner (N 45XX)     | 8 bar             | max. 10 bar        | <sup>1</sup> <b>0191 002 340</b> | WABCO 434 100 234 0 |
| <b>MAN</b> NG (A11/A23), NL (A10/A15)                                                  | 5,3 bar           | max. 10 bar        | <b>0191 002 260</b>              | WABCO 434 100 226 0 |
| <b>Mercedes-Benz</b> Citaro I (O 530)<br><b>Setra</b> S 431 DT, S 415 NF, S 417/419 UL | 10,0 bar          | max. 10 bar        | <b>0191 002 490</b>              | WABCO 434 100 249 0 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                 | 8,5 bar           | max. 10 bar        | <sup>1</sup> <b>0191 002 320</b> | WABCO 434 100 232 0 |
| <b>Neoplan</b> Tourliner (N 2216)                                                      | 6,4 bar           | max. 10 bar        | <sup>2</sup> <b>0191 002 280</b> | WABCO 434 100 228 0 |
| <b>Solaris</b> Urbino III                                                              | 7,5 bar           | max. 10 bar        | <sup>1</sup> <b>0191 002 440</b> | WABCO 434 100 244 0 |

<sup>1</sup> Setting range 7,3-8,5 bar

<sup>2</sup> Setting range 5,3-7 bar

8

Pneumatic system



## WABCO

### Overflow valve without return flow

Connection thread M22 x 1,5  
Nominal width 8 mm

This figure corresponds to 0191 001 310

| suitable for                                                                                                              | Overflow pressure | Operating pressure | Order no.                        | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|----------------------------------|---------------------|
| <b>Iveco</b> CityClass                                                                                                    | 8,5 bar           | max. 13 bar        | <b>0191 001 390</b>              | WABCO 434 100 139 0 |
| <b>Mercedes-Benz</b> Cito (O 520), O 405 N,<br>Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH,<br>S 431 DT | 7,3 bar           | max. 10 bar        | <sup>1</sup> <b>0191 001 310</b> | WABCO 434 100 131 0 |
| <b>Setra</b> S 431 DT, S 417 GT-HD                                                                                        | 7,3 -0,3 bar      | max. 13 bar        | <b>0191 001 530</b>              | WABCO 434 100 153 0 |

<sup>1</sup> Setting range 7,3-8,5 bar

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# WABCO



## WABCO

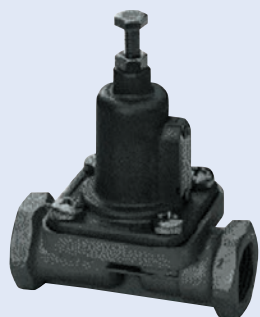
### Overflow valve in exchange

|                   |                     |
|-------------------|---------------------|
| Version           | without return flow |
| Connection thread | M22 x 1,5           |
| Setting range     | 5,3-7,0 bar         |
| Nominal width     | 8 mm                |

This figure corresponds to 0191 001 267

| suitable for                                                                                                            | Overflow pressure | Operating pressure | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|---------------------|---------------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass                                                                      | 6,0 bar           | max. 10 bar        | <b>0191 001 257</b> | WABCO 434 100 125 7 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Neoplan</b> Tourliner (N 2216)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH | 6,5 bar           | max. 10 bar        | <b>0191 001 267</b> | WABCO 434 100 126 7 |
| <b>Volvo</b> B12B, B12R, B13R                                                                                           | 7,0 bar           | max. 20 bar        | <b>0191 001 300</b> | WABCO 434 100 130 7 |

8

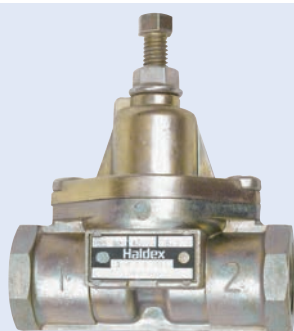


## WABCO

### Overflow valve in exchange

|                    |                          |
|--------------------|--------------------------|
| Version            | with limited return flow |
| Connection thread  | M22 x 1,5                |
| Operating pressure | max. 13 bar              |
| Setting range      | 5,3-7,0 bar              |
| Nominal width      | 8 mm                     |

| suitable for                                              | Order no.           | Comparative no.     |
|-----------------------------------------------------------|---------------------|---------------------|
| <b>Solaris</b> Urbino III<br><b>Volvo</b> B5LH, B9R, B13R | <b>0191 002 220</b> | WABCO 434 100 222 7 |



## Haldex

### Overflow valve with limited return flow

|                    |                   |
|--------------------|-------------------|
| Opening pressure   | 6,2 bar           |
| Closing pressure   | 5,7±0,2 bar       |
| Operating pressure | max. 20 bar       |
| Connection thread  | M22 x 1,5         |
| Standard           | DIN 74279 B6.2-22 |

| suitable for                                            | Order no.           | Comparative no.  |
|---------------------------------------------------------|---------------------|------------------|
| <b>Mercedes-Benz</b> O 405<br><b>Solaris</b> Urbino III | <b>3779 022 670</b> | Haldex 314014003 |





### Overflow valve

|                   |           |
|-------------------|-----------|
| Connection thread | M22 x 1,5 |
| Opening pressure  | 6,2 bar   |
| Closing pressure  | 5,6 bar   |

| suitable for                                  | Order no.           | Comparative no. |
|-----------------------------------------------|---------------------|-----------------|
| <b>Volvo</b> B7R, B9R, B9TL, B12B, B12R, B13R | <b>1325 012 247</b> | Volvo 3095479   |



## WABCO

### Motor coach brake valve

This figure corresponds to 0283 180 050

| suitable for                                                                       | Version                         | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------|---------------------------------|---------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                        | with electrical switch          | <b>0283 180 030</b> | WABCO 461 318 003 0 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                        | with pneumatic retarder control | <b>0283 240 090</b> | WABCO 461 324 009 0 |
| <b>MAN</b> Lion's City (A21), NG (A11/A23), NL (A10, A15), NÜ (A20)                |                                 | <b>0283 180 700</b> | WABCO 461 318 070 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Tourino (O 510)<br><b>Setra</b> S 415 NF |                                 | <b>0360 010 050</b> | WABCO 480 001 005 0 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                              |                                 | <b>0360 020 000</b> | WABCO 480 002 000 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404                                      |                                 | <b>0283 185 510</b> | WABCO 461 318 551 0 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                         |                                 | <b>0283 152 590</b> | WABCO 461 315 259 0 |
| <b>Mercedes-Benz</b> O 405 N, O 408                                                | with sensor                     | <b>0283 185 020</b> | WABCO 461 318 502 0 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                            |                                 | <b>0283 185 500</b> | WABCO 461 318 550 0 |
| <b>Van Hool</b> A330                                                               | Venting: Snap contour           | <b>0283 180 010</b> | WABCO 461 318 001 0 |
| <b>Van Hool</b> A330                                                               | Venting: valve disc             | <b>2831 055 000</b> | WABCO 461 310 550 0 |
| <b>Volvo</b> B10B                                                                  | with electrical switch          | <b>0283 180 050</b> | WABCO 461 318 005 0 |



## WABCO

### Motor coach brake valve in exchange

|                    |                             |
|--------------------|-----------------------------|
| Version            | Venting: Nozzle             |
| Fastening          | 4 bores Ø 9 mm              |
| Connection thread  | 8 x M16 x 1,5/2 x M12 x 1,5 |
| Operating pressure | max. 10 bar                 |
| Nominal width      | 10 mm                       |

| suitable for     | Order no.           | Comparative no.     |
|------------------|---------------------|---------------------|
| <b>Volvo</b> B12 | <b>0283 150 427</b> | WABCO 461 315 042 7 |



## WABCO

### Foot brake valve

This figure corresponds to 3800 060 020

| suitable for                                                                                                     | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Citelis, Citelis CNG                                                                              | <b>0284 947 040</b> | WABCO 461 494 704 0 |
| <b>Irisbus</b> Crossway LE                                                                                       | <b>3800 080 400</b> | WABCO 461 318 040 0 |
| <b>Irisbus</b> Eurorider                                                                                         | <b>0284 947 060</b> | WABCO 461 494 706 0 |
| <b>Irisbus</b> Eurorider                                                                                         | <b>0283 180 560</b> | WABCO 461 318 056 0 |
| <b>Iveco</b> CityClass                                                                                           | <b>0283 180 590</b> | WABCO 461 318 059 0 |
| <b>MAN</b> Lion's City (A20/A21/A37/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13) <sup>1</sup>            | <b>0360 200 200</b> | WABCO 480 020 020 0 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                     |                     |
| <b>MAN</b> Lion's City (A21/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13) <sup>1</sup>            | <b>3800 200 220</b> | WABCO 480 020 022 0 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                            |                     |                     |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                | <b>3800 060 020</b> | WABCO 461 316 002 0 |
| <b>Mercedes-Benz</b> Cito (O 520), Turismo II, Travego I (O 580)                                                 | <b>0360 020 040</b> | WABCO 480 002 004 0 |
| <b>Setra</b> S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD                                          |                     |                     |
| <b>Solaris</b> Urbino III                                                                                        | <b>0360 020 030</b> | WABCO 480 002 003 0 |
| <b>VDL</b> Bova Magiq                                                                                            | <b>3800 020 210</b> | WABCO 480 002 021 0 |
| <b>Volvo</b> B7L, B7R, B9R                                                                                       | <b>0283 186 040</b> | WABCO 461 318 604 0 |

<sup>1</sup> without kick plate

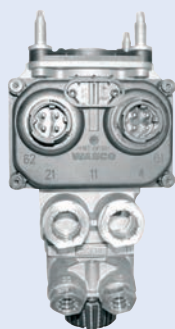


## KNORR-BREMSE

### Foot brake valve

This figure corresponds to 3400 006 690

| suitable for                                                                      | Version                                             | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway                                                              | with microswitch, without kick plate                | <b>3400 000 014</b> | Knorr K000014       |
| <b>MAN</b> NL (A10)                                                               | with microswitch and kick plate                     | <b>3413 474 500</b> | Knorr I89741        |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II                               | with microswitch, retarder control and kick plate   | <b>3400 006 161</b> | Knorr K006161       |
| <b>Setra</b> S 315 UL, S 415/417/419 UL                                           |                                                     |                     |                     |
| <b>Mercedes-Benz</b> Integro II (O 550), O 405 N, Turismo II, Travego I (O 580)   | without microswitch and kick plate                  | <b>3450 402 165</b> | Knorr 0481064205000 |
| <b>Setra</b> S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 UL |                                                     |                     |                     |
| <b>Scania</b> K124                                                                | with microswitch, retarder control and kick plate   | <b>3400 116 510</b> | Knorr K016510       |
| <b>Scania</b> K94/114/124, L94                                                    | with micro switch, retarder control and tread plate | <b>3400 006 690</b> | Knorr DX80D         |



## WABCO

### EBS foot brake module

Version with silencer  
Operating pressure max. 13 bar

| suitable for                                                                           | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530),<br>Tourino (O 510)<br><b>Setra</b> S 415 NF | <b>3800 030 100</b> | WABCO 480 003 000 0 |



## KNORR-BREMSE

### EBS foot brake module

This figure corresponds to 3450 403 415

| suitable for                                                                                                                        | Type   | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------|---------------------|
| <b>Irisbus</b> Crossway LE, Eurorider, Magelys HD<br><b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B13R                             | EBS 5  | <b>3400 024 928</b> | Knorr K024928N50    |
| <b>MAN</b> Lion's City (A20/A23), Lion's Coach (R07), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216) | EBS 5  | <b>3450 403 415</b> | Knorr K03944N50     |
| <b>Volvo</b> B12B, B12R                                                                                                             | EBS 2  | <b>3400 046 236</b> | Knorr 0486200202N50 |
| <b>Volvo</b> B13R                                                                                                                   | EBS 5X | <b>3400 040 156</b> | Knorr K040156N50    |



## WABCO

### Hand brake valve

This figure corresponds to 0607 222 620

| suitable for                                                                                                                                                                                                                                                                                                              | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass                                                                                                                                                                                                                                                                        | <b>0607 230 070</b> | WABCO 961 723 007 0 |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), EL (A12), NG (A11/A23), NL (A10/A15/A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | <b>0607 222 620</b> | WABCO 961 722 262 0 |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216)                                                                                                                                                                                                                                                        | <b>0607 223 260</b> | WABCO 961 722 326 0 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                                                                                                                                                                                   | <b>0607 223 250</b> | WABCO 961 722 325 0 |
| <b>Scania</b> K94/114/124, L94                                                                                                                                                                                                                                                                                            | <b>0607 222 140</b> | WABCO 961 722 214 0 |
| <b>Solaris</b> Urbino III                                                                                                                                                                                                                                                                                                 | <b>3800 030 030</b> | WABCO 961 723 003 0 |
| <b>Volvo</b> B12                                                                                                                                                                                                                                                                                                          | <b>0607 232 150</b> | WABCO 961 723 215 0 |

**WABCO****Hand brake valve  
in exchange**

|                   |                        |
|-------------------|------------------------|
| Version           | with emergency release |
| Connection thread | M14 x 1,5              |
| Control pressure  | 5.9 bar                |
| Catch position    | 73°                    |

This figure corresponds to 0607 222 627

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), EL (A12), NG (A11/A23), NL (A10/A15/A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL<br><b>Solaris</b> Urbino III | <b>0607 222 627</b> | WABCO 961 722 262 7 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>0607 222 657</b> | WABCO 961 722 265 7 |

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Pneumatic system

**KNORR-BREMSE****Hand brake valve**

This figure corresponds to 3400 006 780

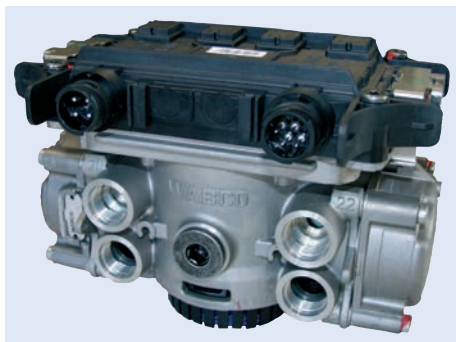
| suitable for                                                                                                                                                                                                                                                                                            | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Crossway LE, Magelys HD, Récréo II                                                                                                                                                                                                                                                | <b>3400 011 306</b> | Knorr K011306       |
| <b>Irisbus</b> Citelis, Citelis CNG, Eurorider                                                                                                                                                                                                                                                          | <b>3990 211 342</b> | Knorr DPM63AX       |
| <b>Irisbus</b> Eurorider                                                                                                                                                                                                                                                                                | <b>3400 007 010</b> | Knorr DPM94AAX      |
| <b>Iveco</b> CityClass                                                                                                                                                                                                                                                                                  |                     |                     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A10), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | <b>3450 407 285</b> | Knorr I92190        |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 417/419 UL                                                             | <b>3400 006 780</b> | Knorr K038805N00    |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                                                                                                                                                                                                                                  | <b>3450 401 385</b> | Knorr 0481016209000 |
| <b>Volvo</b> B5LH, B7L, B7R, B9L, B9R, B9TL, B10B, B10M, B12, B12B, B12R, B13R                                                                                                                                                                                                                          | <b>3409 114 370</b> | Knorr I82171N00     |



## WABCO

### Repair kit for brake valve

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Iveco CityClass | 0607 230 002 | Wabco 961 723 000 2 |



## WABCO

### EBS axle modulator

This figure corresponds to 3800 040 090

| suitable for                                                                                                                                                                                                 | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A21/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | <b>3800 104 101</b> | WABCO 480 104 107 0 |
| <b>MAN</b> Lion's City (A23/A37), Lion's Coach (R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Tourliner (N 2216), Trendliner (N 3516)                              | <b>0361 041 060</b> | WABCO 480 104 106 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)<br><b>Setra</b> S 415 NF                                                                                                                                            | <b>0362 000 037</b> | WABCO 480 103 011 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)<br><b>Setra</b> S 417 HDH                                                                                                                                           | <b>0361 030 080</b> | WABCO 480 103 008 0 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Tourino (O 510), Turismo II, Travego II<br><b>Setra</b> S 415 HD, S 417 HDH, S 431 DT, S 416/417 GT-HD, S 415 NF                                                  | <b>3800 105 006</b> | WABCO 480 105 006 0 |
| <b>Mercedes-Benz</b> Cito (O 520), Travego I (O 580)<br><b>Setra</b> S 415 HD                                                                                                                                | <b>0361 030 660</b> | WABCO 480 103 066 0 |
| <b>Mercedes-Benz</b> Tourino (O 510), Turismo II, Travego I (O 580)<br><b>Setra</b> S 411 HD, S 416 HDH, S 431 DT, S 416/417 GT-HD                                                                           | <b>0361 030 150</b> | WABCO 480 103 015 0 |
| <b>Mercedes-Benz</b> Turismo II, Travego I (O 580)<br><b>Setra</b> S 416 HDH, S 431 DT, S 416/417 GT-HD<br><b>Solaris</b> Urbino III                                                                         | <b>0361 030 610</b> | WABCO 480 103 061 0 |
| <b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT<br><b>Solaris</b> Urbino III                                                                                                                              | <b>0361 030 630</b> | WABCO 480 103 063 0 |
| <b>Solaris</b> Urbino<br><b>VDL</b> Bova Magiq                                                                                                                                                               | <b>3800 040 070</b> | WABCO 480 104 007 0 |
| <b>Solaris</b> Urbino<br><b>VDL</b> Citea, Bova Magiq                                                                                                                                                        | <b>3800 040 090</b> | WABCO 480 104 009 0 |



### EBS single channel module

This figure corresponds to 3400 203 023

| suitable for                                                                                                                        | Type    | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|---------------------|
| <b>Irisbus</b> Crossway LE, Eurorider, Magelys HD<br><b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12, B12B, B13R                        | EBS 5   | <b>3450 403 491</b> | Knorr K021203N50    |
| <b>MAN</b> Lion's City (A20/A23), Lion's Coach (R07), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216) | EBS 2,2 | <b>3400 203 023</b> | Knorr 0486203023X50 |
| <b>Scania</b> K360/380                                                                                                              | EBS 5X  | <b>3400 085 000</b> | Knorr K021202N50    |
| <b>Volvo</b> B12B, B12R                                                                                                             | EBS 2,3 | <b>3400 203 033</b> | Knorr 0486203033X50 |



### EBS two channel module

This figure corresponds to 3400 032 014

| suitable for                                                                                                                                  | Type    | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|---------------------|
| <b>Fast</b> Scoler III<br><b>MAN</b> Lion's City (A20/A21/A23), Lion's Coach (R07), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) |         | <b>3400 204 017</b> | Knorr 0486204017X50 |
| <b>Irisbus</b> Crossway LE, Magelys HD<br><b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12, B12B, B13R                                             | EBS 5X  | <b>1000 200 200</b> | Knorr K020023N50    |
| <b>Scania</b> K360/380                                                                                                                        | EBS 5X  | <b>3400 032 014</b> | Knorr K032014N50    |
| <b>Volvo</b> B12B, B12R                                                                                                                       | EBS 2,3 | <b>3406 204 025</b> | Knorr 0486204025X50 |



### EBS control module

| suitable for                                                                                                                         | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic Ü (A72), Lion's Coach, Lion's Star<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216) | <b>3400 106 042</b> | Knorr 0486106042N50 |





### EBS control module

| suitable for    | Order no.    | Comparative no.     |
|-----------------|--------------|---------------------|
| Fast Sceler III | 3400 106 019 | Knorr 0486106019N50 |



### Pressure control valve for ABS

|                   |                   |
|-------------------|-------------------|
| Connection        | electric, bayonet |
| Connection thread | M22 x 1.5         |
| Voltage           | 24 V              |

This figure corresponds to 0371 950 090

| suitable for                                                                                | Operating pressure | Protection class | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------|--------------------|------------------|---------------------|---------------------|
| <b>Irisbus</b> Eurorider                                                                    | max. 13 bar        | IP69 K           | <b>0371 950 550</b> | WABCO 472 195 055 0 |
| <b>Iveco</b> CityClass                                                                      | max. 11 bar        | IP68             | <b>0371 950 090</b> | WABCO 472 195 009 0 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                 |                    |                  |                     |                     |
| <b>MAN</b> Lion's City (A21/A23/A37/A47/A78),<br>Lion's Coach (R08), Lion's Regio (R12/R13) |                    |                  | <b>0361 951 100</b> | WABCO 472 195 110 0 |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216),<br>Trendliner (N 3516)               |                    |                  |                     |                     |
| <b>Scania</b> K124/360/380                                                                  | max. 13 bar        | IP69K            | <b>0371 950 970</b> | WABCO 472 195 097 0 |
| <b>Solaris</b> Urbino III                                                                   | max. 10,2 bar      | IP67             | <b>7565 043 128</b> | WABCO 480 205 101 0 |
| <b>Volvo</b> B9R, B9TL                                                                      | max. 13 bar        |                  | <b>0371 950 580</b> | WABCO 472 195 058 0 |

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Pneumatic system

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**WABCO**
**Pressure control valve**

|                   |                                            |
|-------------------|--------------------------------------------|
| Connection        | electric, bayonet (DIN) 72585-A1-3.1-Sn/K1 |
| Connection thread | M22 x 1.5                                  |
| Voltage           | 24 V                                       |

This figure corresponds to 0371 950 047

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Operating pressure | Protection class | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Citelis CNG, Crossway LE, Eurorider, Récréo II<br><b>MAN</b> Lion's Classic Ü (A72)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520), Conecto I (O 345), Integro II (O 550), Intouro II, O 405 N, O 407, O 408, Tourino (O 510), Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 415/416/417 GT-HD, S 416 GT-HD/2, S 415 NF, S 415 UL<br><b>VDL</b> Berkhof Ambassador, Bova Futura FHD13, Bova Magiq<br><b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B13R | max. 11 bar        | IP67             | <b>0371 950 087</b> | WABCO 472 195 016 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL<br><b>Solaris</b> Urbino III<br><b>Van Hool</b> A330                                                                                                                                                                                                                                                                                                                                                                                                                                     | max. 13 bar        | IP69K            | <b>0371 950 047</b> | WABCO 472 195 018 0 |


**Accessories**

| Description   | Order no.           | Comparative no.     |
|---------------|---------------------|---------------------|
| Adapter cable | <b>0666 011 322</b> | WABCO 894 601 132 2 |



## WABCO

### Solenoid valve

#### 3/2 way

|                  |                          |
|------------------|--------------------------|
| Version          | ventilated               |
| Connection       | M12 x 1,5, bayonet (DIN) |
| Protection class | IP6K6/IP6K9K             |
| Voltage          | 24 V                     |

This figure corresponds to 0370 726 280

| suitable for                                                                                                                                                                                                                                                           | Operating pressure | Connection thread | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Crossway LE, Evadys, Iliade                                                                                                                                                                                                                      | max. 11 bar        | M12 x 1,5         | <b>0371 706 860</b> | WABCO 472 170 686 0 |
| <b>Irisbus</b> Eurorider<br><b>VDL</b> Citea                                                                                                                                                                                                                           | max. 11 bar        | M12 x 1,5         | <b>0371 726 260</b> | WABCO 472 172 626 0 |
| <b>Iveco</b> CityClass<br><b>MAN</b> Lion's Classic Ü (A72), EL (A12),<br>NG (A11), NL (A10/A15)                                                                                                                                                                       | max. 10,2 bar      | M12 x 1,5         | <b>0371 331 587</b> | WABCO 472 170 604 0 |
| <b>MAN</b> Lion's City (A20/A21/A37/A78),<br>Lion's Classic Ü (A72), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX),<br>Skyliner (2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516) | max. 11 bar        | M12 x 1,5         | <b>0370 726 280</b> | WABCO 472 072 628 0 |
| <b>MAN</b> Lion's City (A23), NG (A11/A23), NL (A10)                                                                                                                                                                                                                   | max. 11 bar        | M12 x 1,5         | <b>0371 726 040</b> | WABCO 472 172 604 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                                                                                                                                               | max. 5.5-10.2 bar  |                   | <b>0371 706 360</b> | WABCO 472 170 636 0 |
| <b>Mercedes-Benz</b> Intouro II<br><b>Setra</b> S 416 HDH, S 415/417/419 UL                                                                                                                                                                                            | max. 10,2 bar      | M16 x 1,5         | <b>0370 726 390</b> | WABCO 472 072 639 0 |
| <b>Solaris</b> Urbino III<br><b>Van Hool</b> A330                                                                                                                                                                                                                      | max. 11 bar        | M12 x 1,5         | <b>0371 706 060</b> | WABCO 472 170 606 0 |

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Pneumatic system



## WABCO

### Solenoid valve

#### 3/2-way

|                  |                               |
|------------------|-------------------------------|
| Connection       | electric, bayonet (DIN) 72585 |
| Protection class | IP6K7/IP6K9K                  |
| Voltage          | 24 V                          |

| suitable for                                                                 | Operating pressure | Connection thread | Order no.           | Comparative no.     |
|------------------------------------------------------------------------------|--------------------|-------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway                                                         | max. 11 bar        | M12 x 1,5         | <b>3800 032 860</b> | WABCO 472 173 286 0 |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 431 DT, S 415 GT-HD | max. 10 bar        | M16 x 1,5         | <b>0370 703 390</b> | WABCO 472 070 339 0 |



## WABCO

### Solenoid valve

#### 3/2-way

|                    |                               |
|--------------------|-------------------------------|
| Version            | venting                       |
| Connection         | electric, bayonet (DIN) 72585 |
| Connection thread  | M16 x 1,5                     |
| Operating pressure | max. 10 bar                   |
| Voltage            | 24 V                          |

This figure corresponds to 0371 763 160

| suitable for                                                                                                                                                                                                                                                                                                                     | Protection class | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A21/A37/A47/A78), Lion's Coach (R07/R08)<br><b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Tourino (O 510), Tourismo II, Travego II<br><b>Neoplan</b> Skyliner (N 1122), Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 431 DT, S 416 GT-HD/2, S 417 GT-HD, S 415 NF | IP69K/IP67       | <b>0371 763 160</b> | WABCO 472 176 316 0 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Tourismo II, Travego II<br><b>Setra</b> S 431 DT, S 415/416/417 GT-HD                                                                                                                                                                                                                    | IP6K4K/IP6K9K    | <b>0371 769 160</b> | WABCO 472 176 916 0 |

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Pneumatic system



## WABCO

### Solenoid valve

#### 3/2-way

|                  |              |
|------------------|--------------|
| Version          | ventilated   |
| Connection       | electrical   |
| Protection class | IP6K6/IP6K9K |
| Voltage          | 24 V         |

This figure corresponds to 0371 726 000

| suitable for                            | Operating pressure | Connection thread | Order no.           | Comparative no.     |
|-----------------------------------------|--------------------|-------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass                  | 1-11 bar           |                   | <b>0371 726 000</b> | WABCO 472 172 600 0 |
| <b>Mercedes-Benz</b> Tourismo I (O 350) | max. 10,2 bar      | M12 x 1,5         | <b>0370 706 000</b> | WABCO 472 070 600 0 |
| <b>Solaris</b> Urbino III               | 5,5-10,2 bar       |                   | <b>0371 706 000</b> | WABCO 472 170 600 0 |



### Solenoid valve

Voltage 24 V

This figure corresponds to 3450 402 355

| suitable for                                                                                                                                          | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway, Citelis, Crossway LE, Eurorider                                                                                                 | <b>3450 402 350</b> | Knorr 048151110513V |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15), NÜ (A20)                                                                                                 | <b>3400 046 081</b> | Knorr 0481511001000 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Integro II (O 550)                                                                                            | <b>3450 402 355</b> | Knorr 0481511106100 |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, S 417 UL |                     |                     |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408                                                                                         | <b>3400 046 245</b> | Knorr 0486206103100 |
| <b>Solaris</b> Urbino                                                                                                                                 |                     |                     |



### Solenoid valve

| suitable for                       | Order no.           | Comparative no. |
|------------------------------------|---------------------|-----------------|
| <b>Scania</b> K94/114/124, L94     | <b>9800 125 607</b> | Scania 1536305  |
| <b>Scania</b> K94/114/124, L94     | <b>9801 130 780</b> | Scania 1536304  |
| <b>Volvo</b> B10B                  | <b>8000 003 664</b> | Volvo 3986621   |
| <b>Volvo</b> B10B, B10M            | <b>6178 143 021</b> | Volvo 8143021   |
| <b>Volvo</b> B7R, B9TL, B12B, B12R | <b>1599 225 507</b> | Volvo 1078316   |

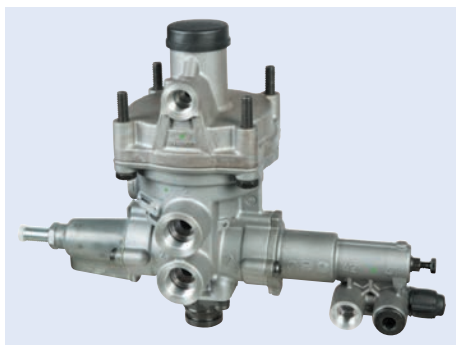
This figure corresponds to 1599 225 507



### ALB controller in exchange

Connection for VOSS 230  
Control pressure 1,3 - 4,3 bar  
Operating pressure max. 13 bar

| suitable for                 | Order no.           | Comparative no.     |
|------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N | <b>0397 110 767</b> | WABCO 475 711 076 7 |



## WABCO

### ALB controller

Operating pressure max. 13 bar

| suitable for        | Control pressure | Order no.           | Comparative no.     |
|---------------------|------------------|---------------------|---------------------|
| <b>MAN</b> NG (A23) |                  | <b>0397 111 140</b> | WABCO 475 711 114 0 |
| <b>Volvo</b> B10M   | 2,3 - 4,8 bar    | <b>0397 110 400</b> | WABCO 475 711 040 0 |



## WABCO

### Pressure limiter

Installation location trailing axle  
 Connection thread M22 x 1.5/M22 x 1.5  
 Operating pressure max. 10 bar

| suitable for                                  | Order no.           | Comparative no.     |
|-----------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580)        | <b>0383 010 020</b> | WABCO 473 301 002 0 |
| <b>Setra</b> S 417 HDH, S 431 DT, S 417 GT-HD |                     |                     |



## KNORR-BREMSE

### Pressure limiter

Connection thread M22 x 1.5/M22 x 1.5

| suitable for                    | Operating pressure | Outlet pressure | Order no.           | Comparative no. |
|---------------------------------|--------------------|-----------------|---------------------|-----------------|
| <b>Irisbus</b> Arway            | 7,35 bar           | 1,5 bar         | <b>3400 061 239</b> | Knorr I61239    |
| <b>Irisbus</b> Arway, Récréo II |                    |                 | <b>3400 001 043</b> | Knorr K001043   |
| <b>MAN</b> NG (A11), NL (A10)   | 10 bar             | 7,8±0,3 bar     | <b>3406 114 500</b> | Knorr I86170    |



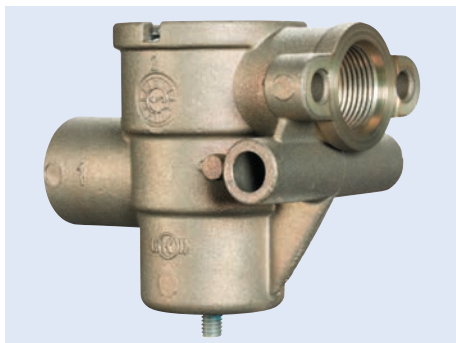


### Pressure limiter

Connection thread M16 x 1.5/M16 x 1.5  
Operating pressure 11 bar

| suitable for                                       | Outlet pressure | Order no.           | Comparative no. |
|----------------------------------------------------|-----------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass | 8,5+0/-0,4 bar  | <b>3402 001 560</b> | Knorr AC156B    |
| <b>Iveco</b> CityClass<br><b>Scania</b> K124       | 7,5±0,2 bar     | <b>3400 006 180</b> | Knorr AC156A    |

This figure corresponds to 3400 006 180



### Pressure-reducing valve

Connection thread M30 x 1,5/M32 x 1,5  
Operating pressure 8 +2 bar  
Inlet pressure 4,2 ±0,2 bar  
Outlet pressure 5,7±0,5 bar

| suitable for                                 | Order no.           | Comparative no. |
|----------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arway, Crossway LE, Récréo II | <b>3400 000 157</b> | Knorr AC157G    |



### Relay valve

Connection thread M22 x 1.5/M16 x 1.5  
Temperature range -40 bis +80 °C

This figure corresponds to 0640 112 000

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Operating pressure | Order no.                        | Comparative no.     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------|---------------------|
| <b>Irisbus</b> Arway<br><b>MAN</b> Lion's City (A20/A21/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03)<br><b>Mercedes-Benz</b> Cito (O 520), Integro II (O 550), Intouro II, Tourino (O 510), Turismo II, Travego I/II (O 580)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 416 GT-HD/2, S 417/419 UL | max. 8.5 bar       | <sup>2</sup> <b>0640 060 037</b> | WABCO 973 006 003 0 |
| <b>MAN</b> Lion's Classic Ü (A72), NG (A11), NL (A10)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT                                                                                                                                                                                                                                                                                                                                    | max. 10 bar        | <b>0640 012 210</b>              | WABCO 973 001 221 0 |
| <b>MAN</b> NG (A23)<br><b>Mercedes-Benz</b> Conecto I (O 345), O 405 N<br><b>Setra</b> S 415 GT-HD                                                                                                                                                                                                                                                                                                                                                                                                                                  | max. 10 bar        | <sup>1</sup> <b>0640 112 000</b> | WABCO 973 011 200 0 |
| <b>Scania</b> K114/124/360/380                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | max. 13 bar        | <b>0640 110 100</b>              | WABCO 973 011 010 0 |
| <b>Scania</b> K94/124/360/380                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | max. 10 bar        | <b>0640 110 020</b>              | WABCO 973 011 002 0 |
| <b>VDL</b> Bova Futura FHD13, Bova Magiq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | max. 10.2 bar      | <sup>2</sup> <b>0640 110 040</b> | WABCO 973 011 004 0 |

<sup>1</sup> Snap contour

<sup>2</sup> with silencer

**WABCO****Relay valve  
in exchange**

Operating pressure max. 10 bar  
 Temperature range -40 bis +80 °C

This figure corresponds to 0640 110 017

| suitable for                                                                                                                                                                                                                                                                                                                   | Connection   | Connection thread   | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass<br><b>MAN</b> NL (A10)                                                                                                                                                                                                                                                                                  | M 22x1.5     | M22 x 1.5/M22 x 1.5 | <b>0380 170 017</b> | WABCO 473 017 001 7 |
| <b>MAN</b> Lion's City (A20/A21),<br>Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530),<br>Conecto I (O 345), Integro II (O 550),<br>O 405 N, O 407, O 408, Tourismo I (O 350)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Skyliner (N 1122)<br><b>Setra</b> S 415 NF, S 415/417/419 UL | Snap contour | M22 x 1.5/M16 x 1.5 | <b>0640 110 017</b> | WABCO 973 011 001 7 |
| <b>MAN</b> NL (A10)<br><b>Scania</b> K94/124/360/380<br><b>Solaris</b> Urbino III<br><b>Volvo</b> B5LH, B7L, B9L, B9R, B9TL,<br>B10B, B12, B12B, B12R, B13R                                                                                                                                                                    | Snap contour | M22 x 1.5/M16 x 1.5 | <b>0640 110 007</b> | WABCO 973 011 000 7 |

**KNORR-BREMSE****Relay valve  
single circuit**

Connection thread M22 x 1,5/M16 x 1,5/M16 x 1,5

| suitable for                                 | Order no.           | Comparative no. |
|----------------------------------------------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10, A15) | <b>3413 114 100</b> | Knorr II16468   |
| <b>MAN</b> NL (A10)                          | <b>3450 406 730</b> | Knorr I77762    |

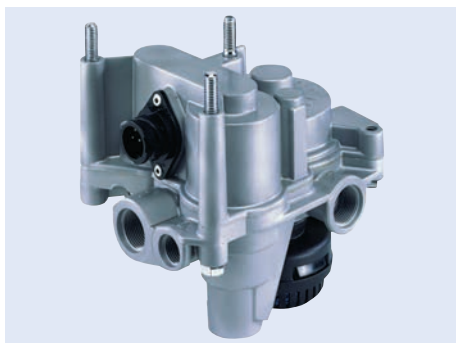
This figure corresponds to 3450 406 730

**KNORR-BREMSE****Relay valve  
twin circuit for anti-compounding**

Connection thread M22 x 1,5

| suitable for                                       | Order no.           | Comparative no. |
|----------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass | <b>3990 000 111</b> | Knorr AC586AAX  |
| <b>MAN</b> NL (A10)                                | <b>3450 406 735</b> | Knorr I77763    |

This figure corresponds to 3450 406 735



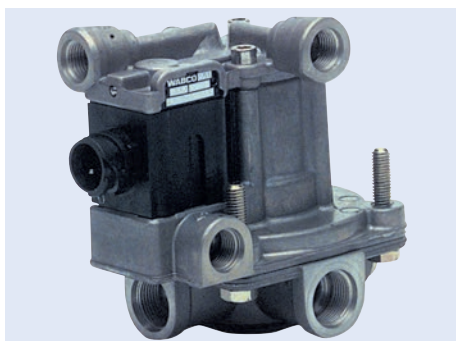
## WABCO

### EBS relay valve

|                   |                                         |
|-------------------|-----------------------------------------|
| Version           | proportional relay valve, with silencer |
| Connection thread | M16 x 1,5/M22 x1,5                      |
| Thread            | VOSS 232                                |
| Connection        | electric, bayonet DIN                   |
| Voltage           | 24 V                                    |

This figure corresponds to 0640 060 040

| suitable for                                                                                                                                                                                                                | Operating pressure | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520), Tourismo II<br><b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT, S 415 GT-HD,<br>S 416 GT-HD/2, S 415 NF<br><b>Solaris</b> Urbino III<br><b>VDL</b> Bova Magiq | max. 10 bar        | <b>0640 060 040</b> | WABCO 480 202 004 0 |
| <b>Mercedes-Benz</b> Tourino (O 510), Tourismo II, Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 416/417 GT-HD                                                                              | max. 12.5 bar      | <b>0392 020 090</b> | WABCO 480 202 009 0 |



## WABCO

### EBS relay valve

|                    |                             |
|--------------------|-----------------------------|
| Version            | 3/2-way                     |
| Operating pressure | max. 10 bar                 |
| Connection thread  | M16 x 1,5/M22 x 1,5         |
| Thread             | VOSS 230                    |
| Connection         | electric, bayonet DIN 72585 |
| Voltage            | 24 V                        |

| suitable for                                                                                                                                                                                | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Cito (O 520), Tourino (O 510), Tourismo II,<br>Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/417 GT-HD, S 415 NF | <b>0362 050 100</b> | WABCO 480 205 010 0 |

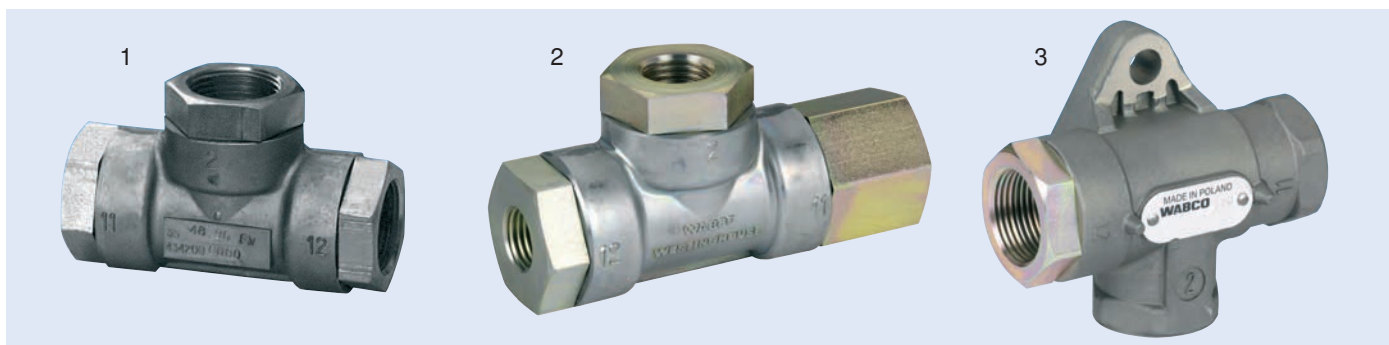


## KNORR-BREMSE

### ABS relay valve

|                    |        |
|--------------------|--------|
| Operating pressure | 13 bar |
| Height             | 110 mm |
| Width              | 104 mm |

| suitable for                                                                  | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE, Eurorider, Récréo II | <b>3990 001 090</b> | Knorr AC574AXY  |



## WABCO

### 2-way valve

| suitable for                                                                                                                                                  | Connection thread                                    | Operating pressure | Fig. | Order no.                        | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------|------|----------------------------------|---------------------|
| <b>MAN</b> Lion's City (A21/A23/A37/A47/A78), Lion's Coach (R07/R08), NG (A23)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216) | M16 x 1,5/<br>M14 x 1,5/<br>M22 x 1,5                | max. 10 bar        | 1    | <b>0192 080 540</b>              | WABCO 434 208 054 0 |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                             | M16 x 1,5/<br>M14 x 1,5/<br>M16 x 1,5                | max. 10 bar        | 1    | <b>0192 080 500</b>              | WABCO 434 208 050 0 |
| <b>MAN</b> Lion's Classic Ü (A72), NL (A10)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                            | M22 x 1,5/<br>M22 x 1,5/<br>M22 x 1,5                | max. 10 bar        | 2    | <b>0192 080 000</b>              | WABCO 434 208 000 0 |
| <b>Mercedes-Benz</b> Citaro I/C2 (O 530), Turismo I (O 350)                                                                                                   | M22 x 1,5 VOSS/<br>M22 x 1,5 VOSS/<br>M22 x 1,5 VOSS | max. 10 bar        | 3    | <sup>1</sup> <b>0192 080 270</b> | WABCO 434 208 027 0 |
| <b>Van Hool</b> A330                                                                                                                                          | M22 x 1,5/<br>M22 x 1,5/<br>M22 x 1,5                | max. 13 bar        |      | <b>0192 080 310</b>              | WABCO 434 208 031 0 |
| <b>Volvo</b> B7R, B9TL                                                                                                                                        | M16 x 1,5/<br>M16 x 1,5/<br>M16 x 1,5                | max. 10 bar        |      | <sup>1</sup> <b>0192 080 350</b> | WABCO 434 208 035 0 |

<sup>1</sup> with flange attachment



## WABCO

### 3-way valve

Connection thread M12 x 1,5/M12 x 1,5/M12 x 1,5

Operating pressure max. 10 bar

#### Scope of supply

with hexagon nut M26 x 1.5

| suitable for          | Order no.           | Comparative no.     |
|-----------------------|---------------------|---------------------|
| <b>VDL</b> Bova Magiq | <b>0300 131 160</b> | WABCO 463 013 116 0 |



## WABCO

### 3/2-way valve

Connection thread M12 x 1.5/M12 x 1.5

This figure corresponds to 0192 050 260

| suitable for                                | Operating pressure | Order no.                        | Comparative no.     |
|---------------------------------------------|--------------------|----------------------------------|---------------------|
| Iveco CityClass                             | max. 11 bar        | <b>0192 050 300</b>              | WABCO 434 205 030 0 |
| Setra S 417 UL                              | max. 10 bar        | <b>0195 000 070</b>              | WABCO 434 500 007 0 |
| Van Hool A330                               | max. 10 bar        | <sup>1</sup> <b>0192 050 260</b> | WABCO 434 205 026 0 |
| Volvo B7L, B7R, B9L, B9TL, B12B, B12R, B13R |                    |                                  |                     |

<sup>1</sup> without button, with securing nut



### 3/2-way valve

Connection thread M14 x 1,5/M14 x 1,5/M14 x 1,5

Operating pressure max. 10 bar

| suitable for                    | Order no.           | Comparative no.     |
|---------------------------------|---------------------|---------------------|
| Mercedes-Benz Citaro II (O 530) | <b>0440 400 000</b> | WABCO 571 040 000 0 |
| Van Hool A330                   |                     |                     |



## KNORR-BREMSE

### 3/2-way valve

Version electric, with rotary action

Connection thread M12 x 1.5/M12 x 1.5

Operating pressure max. 10 bar

| suitable for | Order no.           | Comparative no.     |
|--------------|---------------------|---------------------|
| Volvo B12B   | <b>3450 401 125</b> | Knorr 0481007503000 |



## WABCO

### 5/2-way valve

| suitable for  | Order no.           | Comparative no.     |
|---------------|---------------------|---------------------|
| Van Hool A330 | <b>0456 020 220</b> | WABCO 577 602 022 0 |





## WABCO

### 4/2-way tap

|                    |               |
|--------------------|---------------|
| Connection thread  | M12 x 1,5     |
| Operating pressure | max. 10 bar   |
| Temperature range  | -40 to +80 °C |
| Nominal width      | 3 mm          |

| suitable for      | Order no.    | Comparative no.     |
|-------------------|--------------|---------------------|
| Irisbus Eurorider | 0590 030 230 | WABCO 952 003 023 0 |

## WABCO

### Central unit for ABS/ASR

System 4S/4M, engine interface PWM, J 1939

|          |      |
|----------|------|
| Version  | D    |
| Standard | ISO  |
| Voltage  | 24 V |

| suitable for    | Order no.                 | Comparative no.     |
|-----------------|---------------------------|---------------------|
| Iveco CityClass | <sup>1</sup> 0760 044 140 | WABCO 446 004 414 0 |

<sup>1</sup> on request

8

Pneumatic system



## WABCO

### Non-return valve

|                   |           |
|-------------------|-----------|
| Connection thread | M22 x 1,5 |
| Nominal width     | 8 mm      |

This figure corresponds to 0190 140 000

| suitable for                                                                  | Operating pressure | Order no.    | Comparative no.     |
|-------------------------------------------------------------------------------|--------------------|--------------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Neoplan</b> Centroliner (N 45XX) | 18 bar             | 0190 140 000 | WABCO 434 014 000 0 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                       | max. 18 bar        | 0190 141 010 | WABCO 434 014 101 0 |
| <b>Setra</b> S 431 DT                                                         | max. 18 bar        | 0190 142 000 | WABCO 434 014 200 0 |
| <b>Van Hool</b> A330                                                          | max. 20 bar        | 0190 141 000 | WABCO 434 014 100 0 |



## KNORR-BREMSE

### Non-return valve

| suitable for                                                  | Order no.    | Comparative no. |
|---------------------------------------------------------------|--------------|-----------------|
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>Tourismo I (O 350) | 3450 406 625 | Knorr I75598    |





### Non-return valve

Version with piston  
Connection thread M22 x 1.5/M22 x 1.5

| suitable for                                                                                                                              | Order no.           | Comparative no.  |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
| <b>Irisbus</b> Arway, Citelis, Eurorider                                                                                                  | <b>3779 024 050</b> | Haldex 333001201 |
| <b>Mercedes-Benz</b> Intouro II                                                                                                           |                     |                  |
| <b>Setra</b> S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT, S 416 GT-HD, S 417/419 UL |                     |                  |



### Quick-release valve

Connection thread M22 x 1,5  
Nominal width 14 mm

This figure corresponds to 0645 000 340

| suitable for                                                                               | Operating pressure | Order no.                        | Comparative no.     |
|--------------------------------------------------------------------------------------------|--------------------|----------------------------------|---------------------|
| <b>Irisbus</b> Citelis, Crossway LE, Eurorider, Magelys HD                                 | max. 12 bar        | <sup>2</sup> <b>0645 000 450</b> | WABCO 973 500 045 0 |
| <b>MAN</b> Lion's City (A21),<br>Lion's Classic Ü (A72), NG (A23), NL (A10), NÜ (A20)      | 10 bar             | <b>0385 012 010</b>              | WABCO 473 501 201 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530),<br>Conecto I (O 345), O 405 N, O 407, O 408      |                    |                                  |                     |
| <b>MAN</b> Lion's City (A23), NG (A23)                                                     | max. 12,5 bar      | <sup>1</sup> <b>0645 000 340</b> | WABCO 973 500 034 0 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530),<br>Conecto I (O 345), O 405 N, Turismo I (O 350) | 12 bar             | <sup>1</sup> <b>0645 000 280</b> | WABCO 973 500 028 0 |
| <b>Setra</b> S 415 NF                                                                      |                    |                                  |                     |
| <b>Volvo</b> B7L, B7R, B9R, B10B, B12, B12B, B12R                                          | max. 12 bar        | <b>0645 000 390</b>              | WABCO 973 500 039 0 |

<sup>1</sup> Snap contour

<sup>2</sup> with silencer



### Quick-release valve

Connection thread M22 x 1,5

This figure corresponds to 3400 008 920

| suitable for                                                                                                                  | Operating pressure | Order no.                        | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------|-----------------|
| <b>Irisbus</b> Eurorider                                                                                                      | max. 10 bar        | <sup>1</sup> <b>3400 008 810</b> | Knorr KX2000/1  |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550),<br>Intouro II, O 407, O 408, Tourismo II, Travego I/II (O 580) |                    |                                  |                 |
| <b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415/417/419 UL                        |                    |                                  |                 |
| <b>Scania</b> K94/114/124, L94                                                                                                | max. 10 bar        | <sup>2</sup> <b>3400 008 920</b> | Knorr KX2552/3  |
| <b>Solaris</b> Urbino III                                                                                                     | max. 8 bar         | <sup>3</sup> <b>3400 019 720</b> | Knorr II36015   |

<sup>1</sup> without silencer

<sup>2</sup> without silencer, with bypass

<sup>3</sup> with silencer

8

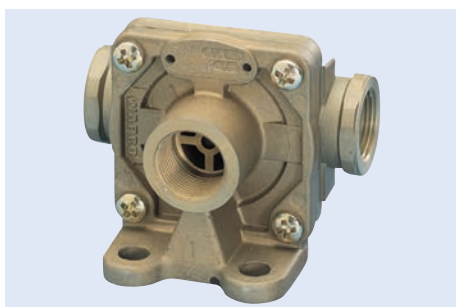
Pneumatic system



### Quick-release valve

Connection thread M22 x 1,5  
Operating pressure max. 8 bar  
Fastening Flange

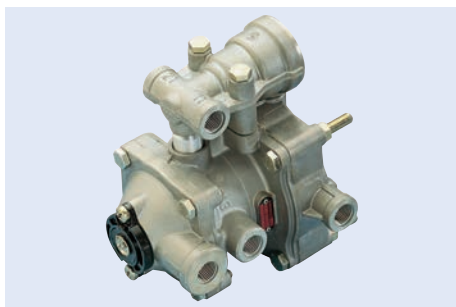
| suitable for                                                                                                                  | Order no.           | Comparative no.  |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
| <b>Irisbus</b> Eurorider                                                                                                      | <b>3735 606 011</b> | Haldex 356006011 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550), Intouro II, O 407, O 408,<br>Tourismo II, Travego I/II (O 580) |                     |                  |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                              |                     |                  |
| <b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD,<br>S 415/417/419 UL                        |                     |                  |
| <b>Solaris</b> Urbino III                                                                                                     |                     |                  |
| <b>VDL</b> Berkhof Ambassador                                                                                                 |                     |                  |



### Rapid bleeder valve

Connection thread M22 x 1,5  
Operating pressure max. 10 bar  
Nominal width 14 mm

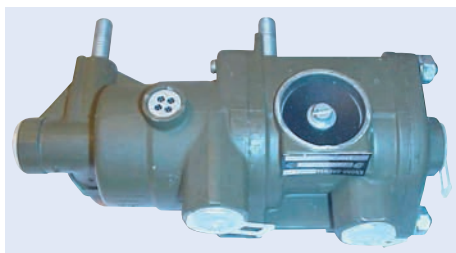
| suitable for                                                                                                        | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Coach (R08), Lion's Regio (R13), NG (A11/A23), NL (A10/A15)                                       | <b>0385 012 030</b> | WABCO 473 501 203 0 |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516) |                     |                     |

**WABCO****Trailer control valve  
in exchange**

Operating pressure max. 8,5 bar

This figure corresponds to 0640 090 065

| suitable for                   | Connection thread   | Order no.           | Comparative no.     |
|--------------------------------|---------------------|---------------------|---------------------|
| <b>MAN</b> NG (A23)            | M22 x 1,5/M16 x 1,5 | <b>0640 090 065</b> | WABCO 973 009 006 7 |
| <b>Scania</b> K94/114/124, L94 | M16 x 1,5           | <b>0640 090 107</b> | WABCO 973 009 010 7 |

**KNORR-BREMSE****Differential pressure switching valve**

Connection thread M16 x 1.5/M16 x 1.5/M16 x 1.5

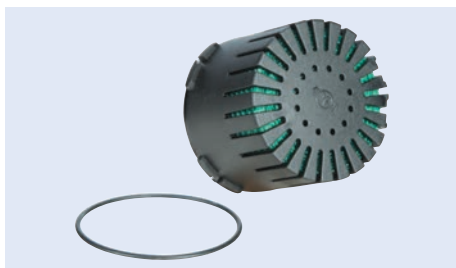
Operating pressure max. 10 bar

| suitable for     | Order no.           | Comparative no. |
|------------------|---------------------|-----------------|
| <b>Volvo</b> B12 | <b>3401 970 002</b> | Knorr SDM2GA    |

**WABCO****Muffler**

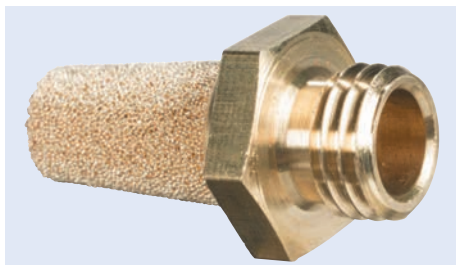
This figure corresponds to 0174 070 120

| suitable for                                                                                                                                                                                            | Ø     | Height     | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|---------------------|---------------------|
| <b>Irisbus</b> Arway                                                                                                                                                                                    | 69 mm | 45/56,5 mm | <b>0174 070 000</b> | WABCO 432 407 060 0 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Star (R02/R03), EL (A12), NG (A11), NL (A10/A15)                                                                                                              |       |            |                     |                     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Conecto I (O 345), Turismo I (O 350)                                                                                                                             |       |            |                     |                     |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 431 DT |       |            |                     |                     |
| <b>Van Hool</b> A330                                                                                                                                                                                    |       |            |                     |                     |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                                                             | 87 mm | 62 mm      | <b>0174 070 120</b> | WABCO 432 407 012 0 |
| <b>Mercedes-Benz</b> O 404, O 405, O 407, O 408                                                                                                                                                         |       |            |                     |                     |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                                                     |       |            |                     |                     |
| <b>MAN</b> Lion's Coach, Lion's Star                                                                                                                                                                    | 69 mm | 53 mm      | <b>0174 070 700</b> | WABCO 432 407 070 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Turismo I (O 350)                                                                                                                                               |       |            |                     |                     |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                        |       |            |                     |                     |
| <b>Van Hool</b> A330                                                                                                                                                                                    |       |            |                     |                     |
| <b>Mercedes-Benz</b> Conecto I (O 345), Turismo I (O 350)                                                                                                                                               | 87 mm | 82 mm      | <b>0174 071 000</b> | WABCO 432 407 016 0 |
| <b>Setra</b> S 431 DT, S 417 GT-HD, S 419 UL                                                                                                                                                            |       |            |                     |                     |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                                                                                                                                  | 87 mm | 71 mm      | <b>0174 070 150</b> | WABCO 432 407 015 0 |
| <b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT, S 417 GT-HD, S 419 UL                                                                                                                               |       |            |                     |                     |



### Muffler

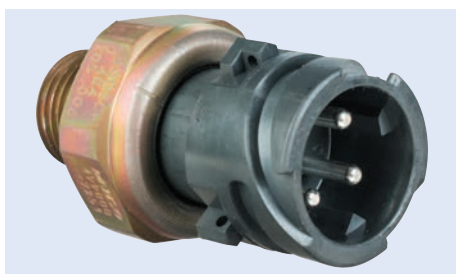
| suitable for           | Order no.    | Comparative no.     |
|------------------------|--------------|---------------------|
| MAN Lion's Regio (R13) | 3450 413 295 | Knorr 1487010334000 |



### Muffler

|                    |             |
|--------------------|-------------|
| Ø                  | 14 mm       |
| Operating pressure | max. 10 bar |

| suitable for  | Order no.    |
|---------------|--------------|
| Van Hool A330 | 0424 001 170 |



### Pressure sensor

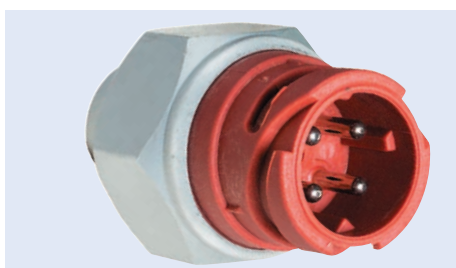
| suitable for               | Order no.    | Comparative no.     |
|----------------------------|--------------|---------------------|
| Irisbus Eurorider          | 3400 500 400 | Knorr 0484205006N00 |
| Neoplan Tourliner (N 2216) |              |                     |

## WABCO

### Pressure switch

|                    |             |
|--------------------|-------------|
| Connection thread  | M12 x 1,5   |
| Operating pressure | max. 10 bar |

| suitable for       | Switching pressure | Order no.    | Comparative no.     |
|--------------------|--------------------|--------------|---------------------|
| Solaris Urbino III | 6,0 ±0,7 bar       | 0210 140 250 | WABCO 441 014 025 0 |
| Van Hool A330      | 5,7 ±0,6 bar       | 3800 140 610 | WABCO 441 014 061 0 |



### Pressure switch

This figure corresponds to 1325 010 251

| suitable for                                                                                                                                                                       | Order no.    | Comparative no.   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|
| MAN Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, NL, NG, NM<br>Neoplan Centroliner (N 45XX), Starliner (N52XX), Tourliner (N2216),<br>Trendliner (N 3516) | 1325 010 251 | MAN 81.27421-0251 |
| MAN Lion's City, Lion's Classic, NL, NG, NM                                                                                                                                        | 1325 070 007 | MAN 81.25520-0167 |
| Volvo B7L, B7R, B10B, B10L, B10M, B12                                                                                                                                              | 1325 082 510 | Volvo 1087965     |



## WABCO

### Membrane brake cylinder

#### Type 16

Installation location front axle

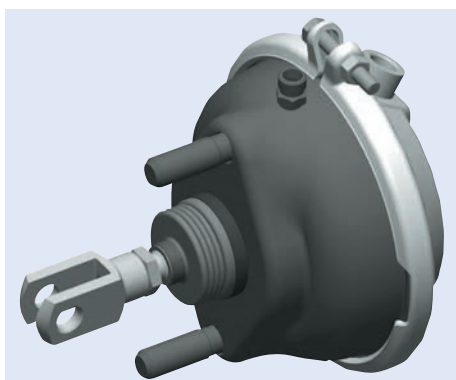
Stroke 73 mm

#### Application range

vehicles with disc brake

This figure corresponds to 0131 047 000

| suitable for                                                                                      | Installation side | Tappet length | Connection | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------|-------------------|---------------|------------|---------------------|---------------------|
| <b>MAN</b> NG (A23), NL (A21), NÜ (A20)                                                           | left              | 26 mm         | M16 x 1,5  | <b>0131 047 000</b> | WABCO 423 104 700 0 |
| <b>MAN</b> NG (A23), NL (A21), NÜ (A20)                                                           | right             | 26 mm         | M16 x 1,5  | <b>0131 047 010</b> | WABCO 423 104 701 0 |
| <b>MAN</b> Lion's City (A21), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | left              | 20 mm         | M22 x 1,5  | <b>0131 047 110</b> | WABCO 423 104 711 0 |
| <b>MAN</b> Lion's City (A21), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | right             | 20 mm         | M22 x 1,5  | <b>0131 047 120</b> | WABCO 423 104 712 0 |



## WABCO

### Membrane brake cylinder

#### Type 20

Installation location front axle

Connection M16 x 1,5

Length of piston rod 37 mm

Operating pressure 10 bar

#### Application range

Vehicles with S-cam brake

(Illustration similar)

| suitable for                                                  | Stroke | Installation side | Order no.           | Comparative no.     |
|---------------------------------------------------------------|--------|-------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass                                        | 61 mm  | left              | <b>0131 050 430</b> | WABCO 423 105 043 0 |
| <b>Iveco</b> CityClass                                        | 61 mm  | right             | <b>0131 050 420</b> | WABCO 423 105 042 0 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                   | 57 mm  | left              | <b>0131 051 250</b> | WABCO 423 105 125 0 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                   | 57 mm  | right             | <b>0131 051 260</b> | WABCO 423 105 126 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408 | 57 mm  | left              | <b>0131 054 090</b> | WABCO 423 105 409 0 |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408 | 57 mm  | right             | <b>0131 054 080</b> | WABCO 423 105 408 0 |





(Illustration similar)

## WABCO

### Membrane brake cylinder

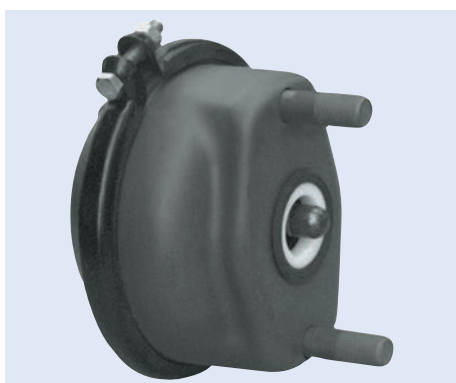
#### Type 20

Connection M22 x 1,5  
 Stroke 75 mm  
 Length of piston rod 20 mm

#### Application range

vehicles with disc brake

| suitable for                                                                         | Installation side | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------|-------------------|---------------------|---------------------|
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Star (R02/R03)<br><b>Neoplan</b> Tourliner | left              | <b>0131 057 000</b> | WABCO 423 105 700 0 |
| <b>MAN</b> Lion's Classic Ü (A72)<br><b>Neoplan</b> Tourliner                        | right             | <b>0131 057 010</b> | WABCO 423 105 701 0 |



(Illustration similar)

## WABCO

### Membrane brake cylinder

#### Type 24

Installation location front axle  
 Connection M16 x 1,5  
 Stroke 65 mm  
 Length of piston rod 15 mm

#### Application range

vehicles with disc brake

| suitable for                                       | Installation side | Order no.           | Comparative no.     |
|----------------------------------------------------|-------------------|---------------------|---------------------|
| <b>Scania</b> K114/360                             | left/right        | <b>0135 061 430</b> | WABCO 423 506 143 0 |
| <b>Scania</b> K380                                 | left              | <b>3805 061 410</b> | WABCO 423 506 141 0 |
| <b>Scania</b> K380                                 | right             | <b>3805 061 400</b> | WABCO 423 506 140 0 |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12B, B12R | left/right        | <b>0135 061 200</b> | WABCO 423 506 120 0 |



(Illustration similar)

## WABCO

### Membrane brake cylinder

#### Type 24

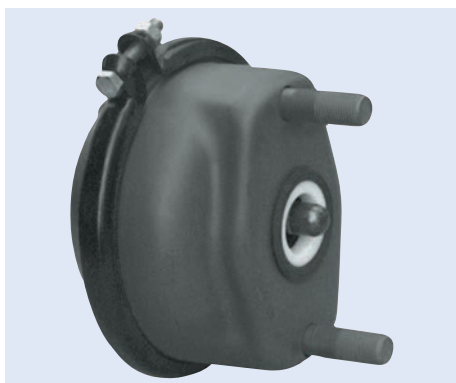
Installation location front axle  
 Installation side left/right  
 Connection M16 x 1,5  
 Stroke 65 mm  
 Length of piston rod 102 mm

#### Application range

Vehicles with S-cam brake/disc brake

| suitable for                | Order no.           | Comparative no.     |
|-----------------------------|---------------------|---------------------|
| <b>Volvo</b> B7L, B7R, B12B | <b>0131 062 020</b> | WABCO 423 106 202 0 |





(Illustration similar)

## WABCO

### Membrane brake cylinder

#### Type 27

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |
| Connection            | M16 x 1,5  |
| Stroke                | 65 mm      |
| Length of piston rod  | 15 mm      |

#### Application range

vehicles with disc brake

| suitable for | Order no.    | Comparative no.     |
|--------------|--------------|---------------------|
| Volvo B9R    | 3805 090 200 | WABCO 423 509 020 0 |



## KNORR-BREMSE

### Membrane brake cylinder

#### Type 12

|                   |             |
|-------------------|-------------|
| Installation side | left, right |
| Connection        | M16 x 1.5   |
| Stroke            | 50 mm       |

#### Application range

vehicles with wedge brake

This figure corresponds to 3400 007 970

| suitable for      | Support tube Ø | Bracing tube length | Support tube thread | Order no.    | Comparative no. |
|-------------------|----------------|---------------------|---------------------|--------------|-----------------|
| Irisbus Eurorider | 38 mm          | 187 mm              | M48 x 2             | 3400 007 970 | Knorr EF120FY   |
| Van Hool T800     | 36 mm          | 139 mm              | 1-3/4" 12 UNS       | 3400 011 460 | Knorr I67388    |

## KNORR-BREMSE

### Membrane brake cylinder

#### Type 16

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Connection            | M22 x 1,5  |
| Stroke                | 75 mm      |
| Length of piston rod  | 20 mm      |
| Type number           | BS3336     |

#### Application range

vehicles with disc brake

| suitable for      | Installation side | Order no.    | Comparative no. |
|-------------------|-------------------|--------------|-----------------|
| Van Hool A308/330 | left              | 3400 019 270 | Knorr II39374F  |
| Van Hool A308/330 | right             | 3400 019 271 | Knorr II39375F  |



## Membrane brake cylinder

### Type 16

|                       |                   |
|-----------------------|-------------------|
| Installation location | rear axle         |
| Installation side     | vehicle-dependent |
| Connection            | M16 x 1,5         |
| Stroke                | 57 mm             |
| Length of piston rod  | 15 mm             |
| Type number           | BS3314            |

### Application range

vehicles with disc brake

| suitable for                                                                                                                | Order no.           | Comparative no. |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                      | <b>3450 408 720</b> | Knorr K002978   |
| <b>Setra</b> S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, S 415/417 HDH, S 431 DT, S 416/417 GT-HD |                     |                 |



## Membrane brake cylinder

### Type 20

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Stroke                | 64 mm      |
| Length of piston rod  | 15 mm      |

### Application range

vehicles with disc brake

This figure corresponds to 3403 434 000

| suitable for                                                                                                     | Installation side | Connection     | Type number | Order no.           | Comparative no.  |
|------------------------------------------------------------------------------------------------------------------|-------------------|----------------|-------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                            | left              | M22 x 1.5 VOSS | BS3435      | <b>3404 486 000</b> | Knorr K004486N00 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)                                                                        | left/right        | M22 x 1.5 VOSS | BS2410      | <b>3400 018 200</b> | Knorr K018200    |
| <b>Setra</b> S 415 NF                                                                                            |                   |                |             |                     |                  |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                            | right             | M22 x 1.5 VOSS | BS3434      | <b>3403 434 000</b> | Knorr K004485N00 |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                 | vehicle-dependent | M22 x 1,5      | BS2406      | <b>3400 017 982</b> | Knorr K017982    |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                   |                |             |                     |                  |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                 | vehicle-dependent | M22 x 1,5      | BS2407      | <b>3400 017 983</b> | Knorr K017983    |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                   |                |             |                     |                  |



### Membrane brake cylinder Type 20

Installation location front axle  
Connection M16 x 1,5  
Stroke 65 mm  
Length of piston rod 15 mm

**Application range**  
vehicles with disc brake

This figure corresponds to 3400 018 310

| suitable for                                         | Installation side | Type number | Order no.           | Comparative no. |
|------------------------------------------------------|-------------------|-------------|---------------------|-----------------|
| <b>Neoplan Skyliner</b><br><b>Solaris Urbino III</b> | left              | BS3402      | <b>3400 018 310</b> | Knorr II30616   |
| <b>Neoplan Skyliner</b><br><b>Solaris Urbino III</b> | right             | BS3403      | <b>3400 018 320</b> | Knorr II30617   |



### Membrane brake cylinder Typ 22

Installation location front axle  
Installation side left/right  
Connection M16 x 1,5  
Stroke 64 mm  
Length of piston rod 15 mm  
Type number BS3458

**Application range**  
vehicles with disc brake

| suitable for             | Order no.           | Comparative no. |
|--------------------------|---------------------|-----------------|
| <b>Irisbus Eurorider</b> | <b>3400 003 012</b> | Knorr K003012   |



### Membrane brake cylinder Type 24

Installation location front axle  
Installation side vehicle-dependent  
Connection M16 x 1,5  
Stroke 65 mm  
Length of piston rod 15 mm  
Type number BS3538

**Application range**  
vehicles with disc brake

| suitable for                                                                                                                                                | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 417 HDH, S 415/416/417 GT-HD, S 415/417 UL | <b>3450 408 730</b> | Knorr II37127   |



### Membrane brake cylinder Type 27, for LUCAS D3 and ELSA disc brakes

|                       |                              |
|-----------------------|------------------------------|
| Installation location | front axle                   |
| Installation side     | left/right                   |
| Version               | with fork head, without plug |
| Connection            | M16 x 1,5                    |
| Stroke                | 80 mm                        |
| Length of piston rod  | 114 mm                       |
| Piston rod thread     | M16 x 1,5                    |

| suitable for                                   | Order no.           | Comparative no.  |
|------------------------------------------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404 | <b>3712 027 303</b> | Haldex 120927303 |



### Membrane brake cylinder Type 20

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Stroke                | 64 mm      |

#### Application range

vehicles with disc brake

| suitable for                                     | Installation side | Order no.           | Comparative no.  |
|--------------------------------------------------|-------------------|---------------------|------------------|
| <b>Heuliez</b> GX 327, 427                       | left              | <b>2593 130 959</b> | Meritor 68325960 |
| <b>Irisbus</b> Citelis, Citelis CNG, Crossway LE |                   |                     |                  |
| <b>Irisbus</b> Citelis, Citelis CNG              | right             | <b>2593 138 891</b> | Meritor 68325961 |



### Membrane

Stroke 75 mm

| suitable for                                                                                                                                                 | Type | Ø      | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|---------------------|---------------------|
| <b>MAN</b> Lion's Coach, Lion's Star, NG, NL, NM, NÜ, ÜL                                                                                                     | 16   | 157 mm | <b>0521 205 164</b> | WABCO 897 120 516 4 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520), Conecto I (O 345), O 404, O 405 N, O 407, O 408, Tourino (O 510), Tourismo I (O 350), Travego I (O 580) |      |        |                     |                     |
| <b>Neoplan</b> Cityliner, Jetliner, Skyliner, Spaceliner, Transliner                                                                                         |      |        |                     |                     |
| <b>Scania</b> K93/113, L113                                                                                                                                  |      |        |                     |                     |
| <b>Scania</b> F/K/N                                                                                                                                          | 20   | 168 mm | <b>0521 205 264</b> | WABCO 897 120 526 4 |



(Illustration similar)

**WABCO****Combination brake cylinder****Type 14/24 IBV**

Installation location rear axle  
 Stroke 57/57 mm  
 Length of piston rod 15 mm

**Application range**

vehicles with disc brake

| suitable for                         | Installation side | Connection         | Order no.           | Comparative no.     |
|--------------------------------------|-------------------|--------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510) | left              | M22 x 1,5          | <b>0554 880 400</b> | WABCO 925 488 040 0 |
| <b>Mercedes-Benz</b> Tourino (O 510) | right             | M22 x 1,5          | <b>0554 880 410</b> | WABCO 925 488 041 0 |
| <b>Mercedes-Benz</b> Tourino (O 510) | left              | M22 x 1.5 VOSS 232 | <b>0554 880 150</b> | WABCO 925 488 015 0 |
| <b>Mercedes-Benz</b> Tourino (O 510) | right             | M22 x 1.5 VOSS 232 | <b>0554 880 140</b> | WABCO 925 488 014 0 |

**WABCO****Combination brake cylinder****Type 20/24**

Installation location rear axle  
 Installation side left/right  
 Connection M22 x 1,5  
 Stroke 75/75 mm  
 Length of piston rod 20 mm

**Application range**

vehicles with disc brakes

This figure corresponds to 0554 602 400

| suitable for                                                                                    | Order no.           | Comparative no.     |
|-------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A37), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>0554 602 400</b> | WABCO 925 460 240 0 |
| <b>MAN</b> NG (A23)                                                                             | <b>0554 601 600</b> | WABCO 925 460 280 0 |



(Illustration similar)

**WABCO****Combination brake cylinder****Type 24/16 IBV**

Installation location rear axle  
 Connection M16 x 1,5  
 Stroke 65/45 mm  
 Length of piston rod 15 mm

**Application range**

vehicles with disc brake

| suitable for           | Installation side | Order no.           | Comparative no.     |
|------------------------|-------------------|---------------------|---------------------|
| <b>Scania</b> K124/360 | left              | <b>3800 812 300</b> | WABCO 925 481 230 0 |
| <b>Scania</b> K124/360 | right             | <b>8000 812 310</b> | WABCO 925 481 231 0 |



## WABCO

### Combination brake cylinder

#### Type 24/24

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Connection            | M22 x 1,5 |
| Pin spacing           | 120,7 mm  |
| Bolt thread           | M16 x 1,5 |

#### Application range

vehicles with disc brake

This figure corresponds to 3804 812 600

| suitable for                              | Installation side | Stroke   | Length of piston rod | Order no.           | Comparative no.     |
|-------------------------------------------|-------------------|----------|----------------------|---------------------|---------------------|
| <b>MAN</b> A01/A03<br><b>Temsa</b> Safari | left              | 75/75 mm | 26 mm                | <b>0554 612 110</b> | WABCO 925 461 211 0 |
| <b>MAN</b> A01/A03<br><b>Temsa</b> Safari | right             | 75/75 mm | 26 mm                | <b>0554 612 100</b> | WABCO 925 461 210 0 |
| <b>MAN</b> Lion's Classic Ü (A72)         | left              | 75/75 mm | 20 mm                | <b>0554 610 230</b> | WABCO 925 461 023 0 |
| <b>MAN</b> Lion's Classic Ü (A72)         | right             | 75/75 mm | 20 mm                | <b>0554 610 220</b> | WABCO 925 461 022 0 |
| <b>Volvo</b> B5LH, B9L                    | left/right        | 65/65 mm | 15 mm                | <b>3804 812 910</b> | WABCO 925 481 291 0 |
| <b>Volvo</b> B9L, B9TL, B12B              | left/right        | 75/75 mm | 20 mm                | <b>3804 812 600</b> | WABCO 925 481 260 0 |

8

Pneumatic system



(Illustration similar)

## WABCO

### Combination brake cylinder

#### Type 24/24

|                       |                                |
|-----------------------|--------------------------------|
| Installation location | rear axle                      |
| Version               | with bolted fork head and disc |
| Connection            | M16 x 1,5                      |
| Stroke                | 65/65 mm                       |
| Length of piston rod  | 93,5 mm                        |

#### Application range

Vehicles with S-cam brake

| suitable for           | Order no.           | Comparative no.     |
|------------------------|---------------------|---------------------|
| <b>Iveco</b> CityClass | <b>0554 212 000</b> | WABCO 925 421 200 0 |
| <b>Iveco</b> CityClass | <b>0554 212 010</b> | WABCO 925 421 201 0 |



(Illustration similar)

## WABCO

### Combination brake cylinder

#### Type 24/30

|                       |                                   |
|-----------------------|-----------------------------------|
| Installation location | rear axle                         |
| Installation side     | left/right                        |
| Version               | with welded fork head and bellows |
| Connection            | M16 x 1,5                         |
| Stroke                | 65/65 mm                          |
| Length of piston rod  | 120 mm                            |

#### Application range

Vehicles with S-cam brake

| suitable for                           | Order no.           | Comparative no.     |
|----------------------------------------|---------------------|---------------------|
| <b>Setra</b> S 315/317 HDH/3, S 328 DT | <b>0554 214 957</b> | WABCO 925 421 495 0 |





(Illustration similar)

## WABCO

### Combination brake cylinder

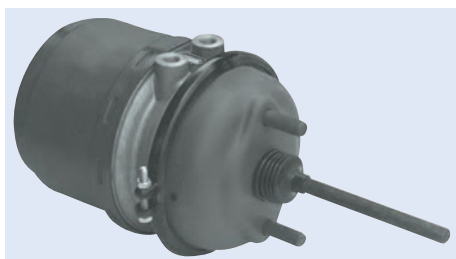
#### Type 24/30

|                       |                 |
|-----------------------|-----------------|
| Installation location | rear axle       |
| Connection            | M16 x 1,5       |
| Operating pressure    | max. 10/8,5 bar |
| Length of piston rod  | 15 mm           |
| Pin spacing           | 120,7 mm        |
| Bolt length           | 43 mm           |
| Bolt thread           | M16 x 1,5       |

#### Application range

vehicles with disc brake

| suitable for                                | Installation side | Release pressure | Stroke   | Order no.           | Comparative no.     |
|---------------------------------------------|-------------------|------------------|----------|---------------------|---------------------|
| <b>Volvo</b> B9R, B12B, B12B LE, B12R, B13R | left              | 5,3 bar          | 65/65 mm | <b>0554 614 710</b> | WABCO 925 461 471 0 |
| <b>Volvo</b> B9R, B12B, B12B LE, B12R, B13R | right             | 5,3 bar          | 65/65 mm | <b>0554 614 700</b> | WABCO 925 461 470 0 |
| <b>Volvo</b> B7R, B9R                       | left              | 5,6 bar          | 64/64 mm | <b>3804 811 030</b> | WABCO 925 481 103 0 |
| <b>Volvo</b> B7R, B9R                       | right             | 5,6 bar          | 64/64 mm | <b>3804 811 020</b> | WABCO 925 481 102 0 |



(Illustration similar)

## WABCO

### Combination brake cylinder

#### Type 27/30 IBV

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Connection            | M16 x 1,5 |
| Stroke                | 65/65 mm  |
| Length of piston rod  | 15 mm     |

#### Application range

vehicles with disc brake

| suitable for          | Installation side | Order no.           | Comparative no.     |
|-----------------------|-------------------|---------------------|---------------------|
| <b>Volvo</b> B7R, B9R | left              | <b>0554 891 010</b> | WABCO 925 489 101 0 |
| <b>Volvo</b> B7R, B9R | right             | <b>0554 891 000</b> | WABCO 925 489 100 0 |



(Illustration similar)

## WABCO

### Combination brake cylinder

#### Type 27/30, in exchange

|                       |                                |
|-----------------------|--------------------------------|
| Installation location | rear axle                      |
| Version               | with welded fork head and disc |
| Connection            | M16 x 1,5                      |
| Stroke                | 65/65 mm                       |
| Length of piston rod  | 86 mm                          |

#### Application range

Vehicles with S-cam brake

| suitable for                | Order no.           | Comparative no.     |
|-----------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arès, Iliade | <b>0554 394 017</b> | WABCO 925 439 401 7 |



## WABCO

### Combination brake cylinder

#### Type 30/24

|                       |                                   |
|-----------------------|-----------------------------------|
| Installation location | rear axle                         |
| Version               | with welded fork head and bellows |
| Connection            | M16 x 1,5                         |
| Stroke                | 65 mm                             |
| Length of piston rod  | 285 mm                            |

#### Application range

Vehicles with S-cam brake

| suitable for          | Installation side | Order no.    | Comparative no.     |
|-----------------------|-------------------|--------------|---------------------|
| Mercedes-Benz O 405 N | left              | 0553 226 130 | WABCO 925 422 613 0 |
| Mercedes-Benz O 405 N | right             | 0553 226 030 | WABCO 925 422 603 0 |



## WABCO

### Combination brake cylinder

#### Type 30/30, in exchange

|                       |                                  |
|-----------------------|----------------------------------|
| Installation location | rear axle                        |
| Version               | with welded fork head and gaiter |
| Connection            | M16 x 1.5                        |

#### Application range

Vehicles with S-cam brakes

(Illustration similar)

| suitable for                        | Installation side | Stroke   | Length of piston rod | Order no.    | Comparative no.     |
|-------------------------------------|-------------------|----------|----------------------|--------------|---------------------|
| Mercedes-Benz O 405                 | left              | 65/65 mm | 285 mm               | 0554 222 177 | WABCO 925 422 217 7 |
| Mercedes-Benz O 405                 | right             | 65/65 mm | 285 mm               | 0554 222 087 | WABCO 925 422 208 7 |
| Mercedes-Benz O 405, O 407, O 408   | left              | 64/64 mm | 37 mm                | 0553 222 157 | WABCO 925 322 215 7 |
| Mercedes-Benz O 405, O 407, O 408   | right             | 64/64 mm | 37 mm                | 0553 222 057 | WABCO 925 322 205 7 |
| Irisbus Agora, Arès, Evadys, Iliade | left/right        | 65/65 mm | 86 mm                | 0554 324 817 | WABCO 925 432 481 7 |



## KNORR-BREMSE

### Combination brake cylinder

#### Type 10/16

|                   |                     |
|-------------------|---------------------|
| Installation side | left/right          |
| Connection        | M22 x 1.5/M22 x 1.5 |
| Type number       | BS9082              |

#### Application range

vehicles with disc brake

(Illustration similar)

| suitable for                                                                                       | Order no.    | Comparative no. |
|----------------------------------------------------------------------------------------------------|--------------|-----------------|
| MAN Lion's Coach (R08),<br>Lion's Regio (R13)<br>Neoplan Cityliner (N 12XX),<br>Tourliner (N 2216) | 3400 002 972 | Knorr K007633   |



### Combination brake cylinder

#### Type 12/20HF

|                       |                     |
|-----------------------|---------------------|
| Installation location | rear axle           |
| Installation side     | left/right          |
| Connection            | M16 x 1.5/M16 x 1.5 |
| Stroke                | 53/53 mm            |
| Type number           | BY9230              |

#### Application range

vehicles with wedge brake

| suitable for      | Order no.    | Comparative no. |
|-------------------|--------------|-----------------|
| Irisbus Eurorider | 2590 121 042 | Knorr I139595F  |



### Combination brake cylinder

#### Type 16/16

|                       |                         |
|-----------------------|-------------------------|
| Installation location | rear axle               |
| Installation side     | left/right              |
| Connection            | 2 x M22 x 1.5 VOSS NG12 |
| Stroke                | 57/57 mm                |
| Length of piston rod  | 15 mm                   |
| Type number           | BS9382                  |

#### Application range

vehicles with disc brake

(Illustration similar)

| suitable for               | Order no.    | Comparative no. |
|----------------------------|--------------|-----------------|
| Mercedes-Benz Cito (O 520) | 3400 938 200 | Knorr I138407F  |



### Combination brake cylinder

#### Type 16/24HFL1

|                       |                     |
|-----------------------|---------------------|
| Installation location | rear axle           |
| Connection            | M22 x 1,5/M22 x 1,5 |
| Stroke                | 57/57 mm            |
| Length of piston rod  | 15 mm               |

#### Application range

vehicles with disc brakes

| suitable for                 | Installation side | Type number | Order no.    | Comparative no. |
|------------------------------|-------------------|-------------|--------------|-----------------|
| Neoplan Centroliner (N 45XX) | left              | BS8328      | 3400 007 655 | Knorr K007655   |
| Neoplan Centroliner (N 45XX) | right             | BS8329      | 3400 007 656 | Knorr K007656   |



### Combination brake cylinder

#### Type 18/24HF

|                       |                     |
|-----------------------|---------------------|
| Installation location | rear axle           |
| Connection            | M16 x 1.5/M16 x 1.5 |
| Stroke                | 53/53 mm            |
| Type number           | BY9351              |

#### Application range

vehicles with wedge brake

| suitable for      | Order no.    | Comparative no. |
|-------------------|--------------|-----------------|
| Irisbus Eurorider | 3400 046 459 | Knorr II16159   |



### Combination brake cylinder

#### Type 20/24

|                       |                         |
|-----------------------|-------------------------|
| Installation location | rear axle               |
| Installation side     | left/right              |
| Connection            | 2 x M22 x 1,5 VOSS NG12 |
| Stroke                | 64/64 mm                |
| Length of piston rod  | 15 mm                   |
| Pin spacing           | 120,7 mm                |
| Bolt thread           | M16 x 1,5               |

#### Application range

vehicles with disc brake

(Illustration similar)

| suitable for                         | Type number | Order no.    | Comparative no. |
|--------------------------------------|-------------|--------------|-----------------|
| Mercedes-Benz Citaro I/II/C2 (O 530) | BS9476      | 3450 409 065 | Knorr II38408F  |
| Setra S 415 NF                       |             |              |                 |
| Solaris Urbino III                   | BS9458      | 3400 019 460 | Knorr II34389   |



### Combination brake cylinder

#### Type 20/24

|                       |                     |
|-----------------------|---------------------|
| Installation location | rear axle           |
| Installation side     | left/right          |
| Connection            | M16 x 1.5/M16 x 1.5 |
| Stroke                | 64/64 mm            |
| Type number           | BS8453              |

#### Application range

vehicles with disc brake

(Illustration similar)

| suitable for      | Order no.    | Comparative no. |
|-------------------|--------------|-----------------|
| Irisbus Eurorider | 3400 000 700 | Knorr K000700   |



## Combination brake cylinder

### Type 20/24HFL1

Installation location rear axle

#### Application range

vehicles with disc brake

| suitable for                                                                                                     | Installation side | Stroke   | Type number | Order no.                 | Comparative no.  |
|------------------------------------------------------------------------------------------------------------------|-------------------|----------|-------------|---------------------------|------------------|
| <b>MAN</b> Lion's Regio (R13)                                                                                    | left              | 74/74 mm | BS9483      | <sup>1</sup> 3450 409 230 | Knorr K007666    |
| <b>MAN</b> Lion's Regio (R13)                                                                                    | right             | 74/74 mm | BS9482      | <sup>1</sup> 3450 409 225 | Knorr K007665    |
| <b>MAN</b> Lion's City (A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                     | left              |          | BS8435      | 3400 008 435              | Knorr K007676    |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                   |          |             |                           |                  |
| <b>MAN</b> Lion's City (A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                                     | right             |          | BS 8434     | 3400 007 675              | Knorr K007675    |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) |                   |          |             |                           |                  |
| <b>MAN</b> Lion's City (A21), NG (A23)                                                                           | left/right        | 75/75 mm | BS9484      | <sup>1</sup> 3450 409 235 | Knorr I138570F   |
| <b>MAN</b> Lion's City (A20/A23/A37/A47)                                                                         | left/right        | 64/64 mm | BS9429      | 3400 037 600              | Knorr K012376N00 |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                              |                   |          |             |                           |                  |

<sup>1</sup> Connection M22 x 1.5/M22 x 1.5



(Illustration similar)



## Combination brake cylinder

### Type 20/27

Installation location rear axle

Installation side left/right

Connection 2 x M22 x 1.5 VOSS NG12

Stroke 64/64 mm

Length of piston rod 15 mm

Type number BS9478

#### Application range

vehicles with disc brake

| suitable for                           | Order no.    | Comparative no. |
|----------------------------------------|--------------|-----------------|
| <b>Mercedes-Benz</b> Citaro II (O 530) | 3450 409 170 | Knorr I138522F  |
| <b>Setra</b> S 315/319 NF              |              |                 |





(Illustration similar)

**Combination brake cylinder****Type 24/24**

|                       |                         |
|-----------------------|-------------------------|
| Installation location | rear axle               |
| Installation side     | left/right              |
| Connection            | 2 x M22 x 1,5 VOSS NG12 |
| Stroke                | 57/57 mm                |
| Length of piston rod  | 15 mm                   |
| Type number           | BS9520                  |

**Application range**

vehicles with disc brake

| suitable for                        | Order no.           | Comparative no. |
|-------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro (O 530) | <b>3400 046 520</b> | Knorr II34388   |
| <b>Solaris</b> Urbino III           |                     |                 |

**Combination brake cylinder****Type 24/24HFL1**

|                       |            |
|-----------------------|------------|
| Installation location | rear axle  |
| Installation side     | left/right |
| Type number           | BS9535     |

**Application range**

vehicles with disc brake

| suitable for                     | Order no.           | Comparative no. |
|----------------------------------|---------------------|-----------------|
| <b>Neoplan</b> Skyliner (N 1122) | <b>3400 020 080</b> | Knorr K007683   |

**Combination brake cylinder****Type 24/24HFL3**

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Stroke                | 64/64 mm  |
| Length of piston rod  | 15 mm     |

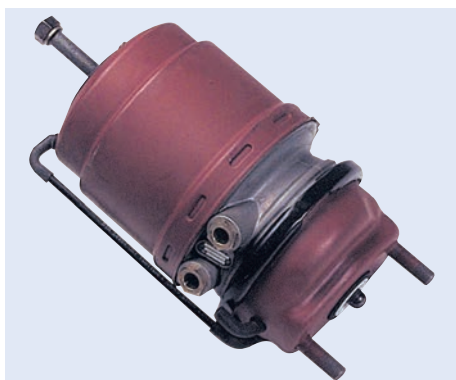
**Application range**

vehicles with disc brake

(Illustration similar)

| suitable for                                                                                                                                                                                                                               | Installation side | Connection            | Type number | Order no.           | Comparative no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|-------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 417 HDH,<br>S 415/416/417 GT-HD, S 415/417/419 UL                                                                                  | left              | M22 x 1,5<br>VOSS 232 | BS9509      | <b>3400 046 630</b> | Knorr K004053000 |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II,<br>Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 431 DT, S 415/416/417 GT-<br>HD, S 415/417/419 UL                                                                              | left              | VOSS 232<br>NG12      | BS8512      | <b>3401 266 300</b> | Knorr K012663N00 |
| <b>Mercedes-Benz</b> Integro II (O 550),<br>Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD,<br>S 313/315/319 UL, S 315/319 UL-GT,<br>SG 321 UL, S 411/415 HD, S 415/416/417 HDH,<br>S 415/416/417 GT-HD, S 415/417/419 UL | right             | M22 x 1,5<br>VOSS 232 | BS9502      | <b>3450 408 100</b> | Knorr K004052N00 |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II,<br>Tourismo II, Travego II<br><b>Setra</b> S 415 HD, S 431 DT, S 415/416/417 GT-<br>HD, S 415/417/419 UL                                                                              | right             | VOSS 232<br>NG12      | BS8511      | <b>3401 266 200</b> | Knorr K012662N00 |





### Combination brake cylinder

#### Type 24/30

Connection M16 x 1.5/M16 x 1.5  
Length of piston rod 15 mm

#### Application range

vehicles with disc brake

(Illustration similar)

| suitable for                    | Stroke   | Type number | Order no.    | Comparative no.  |
|---------------------------------|----------|-------------|--------------|------------------|
| Scania K94/114/124/360/380, L94 | 64/57 mm | BS8500      | 3450 409 110 | Knorr K017119N00 |
| Scania OmniCity                 | 57/57 mm | BS9527      | 3400 019 420 | Knorr K017123N00 |



### Combination brake cylinder

#### Type 27/30

Installation location rear axle  
Installation side left/right  
Connection M22 x 1,5 VOSS NG12/M22 x 1,5 VOSS NG12  
Stroke 64/64 mm  
Length of piston rod 300 mm  
Piston rod thread M16 x 1,5  
Type number BZ9559

#### Application range

Vehicles with S-cam brake

| suitable for               | Order no.    | Comparative no. |
|----------------------------|--------------|-----------------|
| MAN NG (A11), NL (A10/A15) | 3450 408 715 | Knorr II37098   |



### Combination brake cylinder

#### Type 30/30

Installation location rear axle  
Stroke 64/64 mm  
Pin spacing 120,7 mm

#### Application range

Vehicles with S-cam brakes

This figure corresponds to 3990 002 640

| suitable for                                      | Connection              | Length of piston rod | Order no.    | Comparative no.  |
|---------------------------------------------------|-------------------------|----------------------|--------------|------------------|
| Heuliez GX 217<br>Volvo B7L, B7R, B10B, B10M, B12 | M16 x 1,5/M16 x 1,5     | 50 mm                | 3990 002 640 | Knorr K2B1101X50 |
| Mercedes-Benz O 405 N, O 407, O 408               | 2 x VOSS NG12/M22 x 1,5 | 250 mm               | 3450 408 835 | Knorr II37281    |



### Combination brake cylinder Type 27/24, for drum brake

|                       |           |
|-----------------------|-----------|
| Installation location | rear axle |
| Connection            | M22 x 1.5 |
| Stroke                | 75/75 mm  |
| Length of piston rod  | 159 mm    |
| Piston rod thread     | M16 x 1,5 |

| suitable for                                   | Installation side | Order no.           | Comparative no.  |
|------------------------------------------------|-------------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404 | left              | <b>3734 601 002</b> | Haldex 346101002 |
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404 | right             | <b>3734 601 001</b> | Haldex 346101001 |



**MERITOR**

### Combination brake cylinder

Type 20/24

Application range

vehicles with disc brake

| suitable for                                                                                                     | Stroke | Order no.           | Comparative no.  |
|------------------------------------------------------------------------------------------------------------------|--------|---------------------|------------------|
| <b>Irisbus</b> Arès, Arway, Arway LE, Axer, Crossway LE, Evadys, Iliade, Magelys, Récréo<br><b>Van Hool</b> T900 | 75 mm  | <b>7668 323 934</b> | Meritor 68323934 |
| <b>Heuliez</b> GX 127, 327, 427<br><b>Irisbus</b> Agora, Citelis<br><b>Van Hool</b> A308/320/330, T900           |        | <b>7601 932 124</b> | Meritor 31932124 |

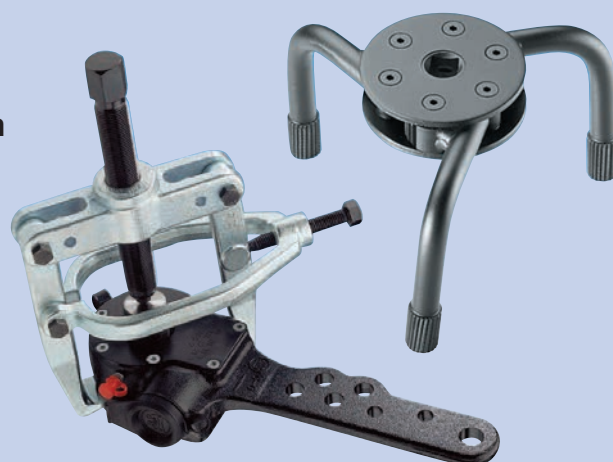
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## Compressed air tank according to EN 286-2, steel

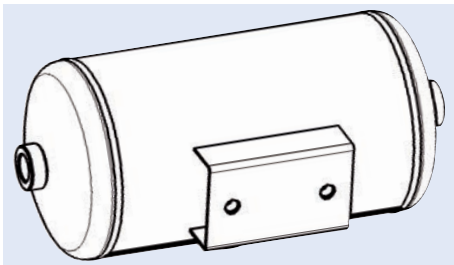
Operating pressure 10 bar

This figure corresponds to 3620 001 545

| Volume | Length  | Ø      | Connection    | Order no.    |
|--------|---------|--------|---------------|--------------|
| 5 l    | 341 mm  | 154 mm | 3 x M22 x 1.5 | 3620 001 545 |
| 10 l   | 368 mm  | 206 mm | 4 x M22 x 1.5 | 3620 020 610 |
| 15 l   | 527 mm  | 206 mm | 4 x M22 x 1.5 | 3620 020 615 |
| 20 l   | 414 mm  | 276 mm | 4 x M22 x 1.5 | 3620 027 620 |
| 20 l   | 493 mm  | 246 mm | 4 x M22 x 1.5 | 3620 024 620 |
| 20 l   | 691 mm  | 206 mm | 4 x M22 x 1.5 | 3620 020 620 |
| 25 l   | 599 mm  | 246 mm | 4 x M22 x 1.5 | 3620 024 625 |
| 30 l   | 583 mm  | 276 mm | 4 x M22 x 1.5 | 3620 027 630 |
| 30 l   | 709 mm  | 246 mm | 4 x M22 x 1.5 | 3620 024 630 |
| 37 l   | 862 mm  | 246 mm | 4 x M22 x 1.5 | 3620 024 637 |
| 40 l   | 758 mm  | 276 mm | 4 x M22 x 1,5 | 3620 027 640 |
| 40 l   | 927 mm  | 246 mm | 4 x M22 x 1.5 | 3620 024 640 |
| 60 l   | 580 mm  | 396 mm | 4 x M22 x 1,5 | 3620 039 660 |
| 60 l   | 893 mm  | 310 mm | 4 x M22 x 1.5 | 3620 031 060 |
| 60 l   | 1108 mm | 276 mm | 4 x M22 x 1.5 | 3620 027 660 |
| 80 l   | 750 mm  | 396 mm | 4 x M22 x 1,5 | 3620 039 680 |
| 100 l  | 915 mm  | 396 mm | 4 x M22 x 1.5 | 3620 396 100 |
| 120 l  | 1055 mm | 396 mm | 4 x M22 x 1.5 | 3620 396 120 |

8

Pneumatic system



## Compressed air tank according to EN 286-2, steel

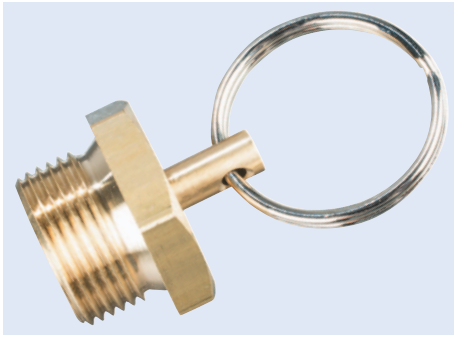
Version CE  
Volume 5 l  
Ø 154 mm  
Length 341 mm  
Connection 4 x M22 x 1.5  
Operating pressure 20 bar

**Scope of supply**  
with bracket

| Order no.    | Comparative no.     |
|--------------|---------------------|
| 0232 050 010 | WABCO 950 105 001 0 |

## Compressed air tank according to EN 286-2, steel

| Volume | Order no.    | Comparative no.             |
|--------|--------------|-----------------------------|
| 4 l    | 9464 323 301 | Mercedes-Benz 004 432 33 01 |
| 20 l   | 9464 324 301 | Mercedes-Benz 006 432 43 01 |



## Dehumidification valve

|                   |                   |
|-------------------|-------------------|
| Version           | manual, with ring |
| Connection thread | M22 x 1,5         |
| Overall length    | 30 mm             |
| Spanner size      | 27 mm             |
| Type              | EE1100            |

| suitable for                                                                                                | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, Lion's Regio, Lion's Star, EL, ND, NG, NL, NM, SÜ, ÜL | <b>4306 443 158</b> | Knorr I94095    |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Conecto I (O 345), Intouro II, O 405 N, O 407, Turismo I (O 350)  |                     |                 |
| <b>Neoplan</b> Centroliner, Cityliner, Skyliner, Starliner, Tourliner, Trendliner                           |                     |                 |
| <b>Setra</b> S 416 GT-HD/2, S 417 GT-HD                                                                     |                     |                 |
| <b>Volvo</b> B5LH, B7F, B7L, B7R, B9L, B9R, B9S, B9TL, B10B, B10L, B10M, B10R, B12, B12B, B12M, B12R, B13R  |                     |                 |

8

Pneumatic system



## Dehumidification valve automatic

|            |                                        |
|------------|----------------------------------------|
| Version    | electric, without condensate collector |
| Connection | M27, 24 V/0,5 A                        |
| Type       | Consep Quick-Fit                       |

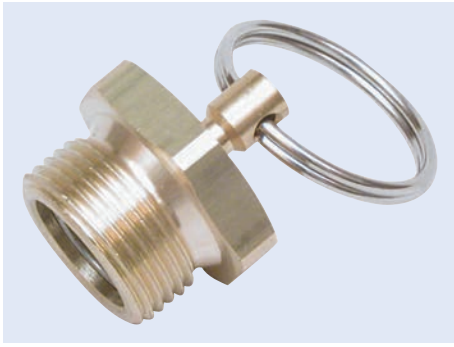
| suitable for                        | Order no.           | Comparative no. |
|-------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 405 N, O 408 | <b>3400 773 620</b> | Haldex 77362S   |



## Dehumidification valve automatic

|                    |                 |
|--------------------|-----------------|
| Version            | electrical      |
| Connection         | M24, 24 V/0,5 A |
| Connection thread  | M22 x 1,5       |
| Operating pressure | max. 20 bar     |

| suitable for              | Order no.           | Comparative no. |
|---------------------------|---------------------|-----------------|
| <b>Solaris</b> Urbino III | <b>9195 350 000</b> | Haldex 71311S   |



## Dehumidification valve

|                   |                       |
|-------------------|-----------------------|
| Version           | mechanical, with ring |
| Connection thread | M22 x 1,5             |
| Threadtype        | DIN 74292, standard B |
| Overall length    | 30 mm                 |
| Spanner size      | 27 mm                 |
| Type              | EV 2215               |

| suitable for                                                                                                                     | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Irisbus</b> Arway                                                                                                             | <b>1740 060 020</b> | WABCO 934 300 003 0 |
| <b>MAN</b> Lion's City (A37), Lion's Coach (R07)                                                                                 |                     |                     |
| <b>Mercedes-Benz</b> Conecto I (O 345), Intouro II, O 405 N, O 407, Tourino (O 510),<br>Tourismo I/II (O 350), Travego I (O 580) |                     |                     |
| <b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)                                                                            |                     |                     |
| <b>Setra</b> S 411 HD, S 416/417 HDH, S 431 DT, S 415/417 GT-HD, S 416 GT-HD/2                                                   |                     |                     |
| <b>Volvo</b> B5LH, B7L, B9L, B9R, B10B, B10M, B12B, B12R                                                                         |                     |                     |



## WABCO

### Water trap

|                   |           |
|-------------------|-----------|
| Connection thread | M22 x 1,5 |
|-------------------|-----------|

| suitable for              | Order no.           | Comparative no.     |
|---------------------------|---------------------|---------------------|
| <b>Solaris</b> Urbino III | <b>0713 990 000</b> | WABCO 932 399 000 0 |



## Haldex

### Water trap for compressed air systems

|                    |                                        |
|--------------------|----------------------------------------|
| Version            | electric, without condensate collector |
| Connection         | 24 V/0.5 A, M24 x 1                    |
| Connection thread  | M22 x 1,5                              |
| Operating pressure | max. 20 bar                            |
| Type               | Consep Quick-Fit                       |

| suitable for                                               | Order no.           | Comparative no. |
|------------------------------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Citelis, Crossway LE, Eurorider, Magelys HD | <b>3400 927 960</b> | Haldex 92796S   |



## Water trap for compressed air systems

|                    |                                     |
|--------------------|-------------------------------------|
| Version            | electric, with condensate collector |
| Connection         | 24 V/0.5 A, M24 x 1                 |
| Connection thread  | M22 x 1,5                           |
| Operating pressure | max. 20 bar                         |
| Type               | Consep Quick-Fit                    |

| suitable for    | Order no.    | Comparative no. |
|-----------------|--------------|-----------------|
| Iveco CityClass | 3700 010 012 | Haldex 92794S   |



## Water trap for compressed air systems

|                    |                                        |
|--------------------|----------------------------------------|
| Version            | electric, without condensate collector |
| Connection         | 24 V/0.5 A, M27 x 1                    |
| Connection thread  | M22 x 1,5                              |
| Operating pressure | max. 20 bar                            |
| Type               | Consep Quick-Fit                       |

| suitable for                                                                                                                          | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A78), Lion's Classic (A72), Lion's Coach (R07), Lion's Regio (R12/R13), Lion's Star (R02/R03) | <b>3400 717 560</b> | Haldex 92693S   |
| <b>Mercedes-Benz</b> O 405 N                                                                                                          |                     |                 |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2516), Trendliner (N 3516)                                                          |                     |                 |



## Water trap for compressed air systems

|                    |                                       |
|--------------------|---------------------------------------|
| Version            | electrical, with condensate collector |
| Connection         | 24V/0.5 A, M27 x 1                    |
| Connection thread  | M22 x 1,5, VOSS 232 NG12              |
| Operating pressure | max. 20 bar                           |
| Type               | Consep Quick-Fit                      |

| suitable for                                                                                                                                                                                                                             | Order no.           | Comparative no. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                                                                                              | <b>3400 782 000</b> | Haldex 91790S   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Conecto I (O 345), Tourismo I (O 350), Travego II                                                                                                                                           |                     |                 |
| <b>Setra</b> S 309/313 UL, S 315 UL/UL-GT, S 319 UL/UL-GT, S 315 GT/H, S 315/317 HDH/3, S 315/317/319 GT-HD, S 315/319 NF, S 328 DT, SG 321 UL, S 411/415 HD, S 415/417 HDH, S 415 NF, S 415 UL, S 416/417 GT-HD, S 417/419 UL, S 431 DT |                     |                 |





## Water trap for compressed air systems

|                    |                                              |
|--------------------|----------------------------------------------|
| Version            | electric, with condensate collector          |
| Connection         | 24 V/0.5 A (1 m cable with standard contact) |
| Connection thread  | M22 x 1,5                                    |
| Operating pressure | max. 20 bar                                  |
| Type               | Consep Quick-Fit                             |

| suitable for         | Order no.    | Comparative no. |
|----------------------|--------------|-----------------|
| Scania K114/124, L94 | 3400 927 970 | Haldex 92797S   |

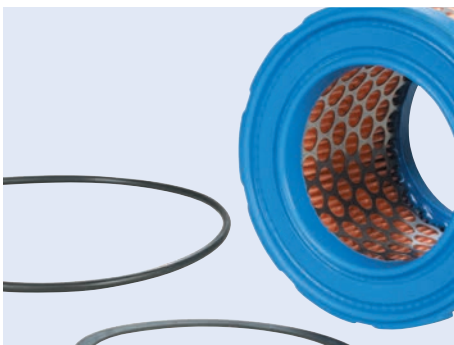


## Water trap for compressed air systems

|                    |                  |
|--------------------|------------------|
| Connection thread  | M22 x 1,5        |
| Operating pressure | max. 20 bar      |
| Type               | Consep Quick-Fit |

This figure corresponds to 3970 092 965

| suitable for          | Version                                   | Connection                                | Order no.    | Comparative no. |
|-----------------------|-------------------------------------------|-------------------------------------------|--------------|-----------------|
| Volvo B7L, B12        | electric,<br>without condensate collector | 24 V/0.5 A, M24 x 1                       | 3970 092 965 | Haldex 92695S   |
| Volvo B9R, B9TL, B12B | electric,<br>with condensate collector    | 24 V/0.5A (1 m cable with<br>DIN contact) | 3700 092 939 | Haldex 92939S   |



## Spare parts set for water separator

| suitable for                    | Order no.    | Comparative no. |
|---------------------------------|--------------|-----------------|
| Heuliez GX 317<br>Irisbus Agora | 3400 222 800 | Knorr SEB22280  |



## Repair kit for water separator

suitable for 3400 782 000

| suitable for                                         | Order no.    | Comparative no. |
|------------------------------------------------------|--------------|-----------------|
| Mercedes-Benz Travego I (O 580), O 408<br>Volvo B9TL | 3400 903 640 | Haldex 90364    |



## WABCO

### Screw joint case for pneumatic equipment

consists of an assortment of different fittings, which are often needed when repairing or replacing compressed air devices, ideally for workshops and service vehicles, all fittings are approved for brake and compressed air systems in commercial vehicles

| Version                    | Order no.           | Comparative no.     |
|----------------------------|---------------------|---------------------|
| 120-piece, 26 compartments | <b>0558 932 000</b> | WABCO 893 000 200 0 |

#### Contents

| Number | Description                                             | Dimensions                    | Order no.           |
|--------|---------------------------------------------------------|-------------------------------|---------------------|
| 4      | Test connection with protective cap                     | M22 x 1,5, spanner size 28 mm | <b>0307 031 150</b> |
| 4      | Test connection with protective cap                     | M16 x 1,5, spanner size 22 mm | <b>0307 031 030</b> |
| 4      | Locking screw with O-ring                               | M12 x 1,5, spanner size 18 mm | <b>0510 220 002</b> |
| 4      | Locking screw with O-ring                               | M16 x 1,5, spanner size 22 mm | <b>6300 000 063</b> |
| 4      | Locking screw with O-ring                               | M22 x 1,5, spanner size 28 mm | <b>0520 220 154</b> |
| 8      | Threaded socket                                         | M16 x 1,5, spanner size 22 mm | <b>0511 040 644</b> |
| 3      | Bulkhead muff with pre-assembled counter nut and O-ring | M22 x 1,5/M22 x 1,5/M16 x 1,5 | <b>3801 042 962</b> |
| 3      | Bulkhead muff with pre-assembled counter nut and O-ring | M22 x 1,5/M16 x 1,5/M16 x 1,5 | <b>3801 042 970</b> |
| 4      | Stub connection with P5 connection                      | M12 x 1,5, spanner size 18 mm | <b>0511 291 912</b> |
| 6      | Stub connection with P5 connection                      | M16 x 1,5, spanner size 22 mm | <b>0521 291 922</b> |
| 4      | Stub connection with P5 connection                      | M22 x 1,5, spanner size 28 mm | <b>6300 000 043</b> |
| 4      | Angled piece 90° bend, with P5 connection               | M16 x 1,5                     | <b>6300 000 070</b> |
| 4      | Angled piece 45° bend, with P5 connection               | M16 x 1,5                     | <b>6300 000 069</b> |
| 2      | F piece with P5 connection                              | M16 x 1,5                     | <b>6790 006 845</b> |
| 4      | L piece with P5 connection                              | M16 x 1,5                     | <b>6300 000 071</b> |
| 4      | T-piece with P5 connection                              | M16 x 1,5                     | <b>6300 000 072</b> |
| 6      | Straight plug connector ABC New Line                    | M16 x 1,5, pipe Ø 8 x 1 mm    | <b>0518 000 012</b> |
| 6      | Straight plug connector ABC New Line                    | M16 x 1,5, pipe Ø 12 x 1,5 mm | <b>0518 030 060</b> |
| 4      | Straight plug connector ABC New Line                    | M22 x 1,5, pipe Ø 15 x 1,5 mm | <b>0518 000 042</b> |
| 8      | Straight plug connector ABC New Line                    | M12 x 1,5, pipe Ø 8 x 1 mm    | <b>0518 000 072</b> |
| 6      | Straight plug connector ABC New Line                    | M22 x 1,5, pipe Ø 12 x 1,5 mm | <b>0518 000 082</b> |
| 4      | Straight plug connector ABC New Line                    | M22 x 1,5, pipe Ø 16 x 2 mm   | <b>0518 000 032</b> |
| 4      | Straight plug connector                                 | M22 x 1,5, pipe Ø 18 x 2 mm   | <b>0518 030 130</b> |
| 6      | Straight plug connector                                 | M16 x 1,5, pipe Ø 10 x 1 mm   | <b>6390 110 016</b> |
| 6      | Straight plug connector                                 | M22 x 1,5, pipe Ø 10 x 1 mm   | <b>6390 110 022</b> |



## Assortment case for VOSS connector system 230, complete

| Version  | Order no.    |
|----------|--------------|
| 42-piece | 0307 001 415 |

### Contents

| Number | Description                | Dimensions                        | Order no.    |
|--------|----------------------------|-----------------------------------|--------------|
| 2      | Straight connector         | NG 8, pipe connector 6 x 1 mm     | 0307 000 050 |
| 2      | Straight connector         | NG 8, pipe connector 9 x 1,5 mm   | 0307 000 350 |
| 2      | Straight connector         | NG 12, pipe connector 9 x 1,5 mm  | 0307 000 180 |
| 2      | Straight connector         | NG 12, pipe connector 12 x 1,5 mm | 0307 000 200 |
| 1      | Straight connector         | NG 12, pipe connector 16 x 2 mm   | 0307 000 060 |
| 1      | Tee plug connector         | NG 12, pipe connector 12 x 1,5 mm | 0307 001 960 |
| 1      | Angled plug, 90°           | NG 8, pipe connector 6 x 1 mm     | 0307 000 070 |
| 2      | Angled plug, 90°           | NG 8, pipe connector 8 x 1 mm     | 0307 000 340 |
| 2      | Angled plug, 90°           | NG 12, pipe connector 8 x 1 mm    | 0307 000 220 |
| 2      | Angled plug, 90°           | NG 12, pipe connector 12 x 1,5 mm | 0307 000 230 |
| 6      | Gasket set, for connectors | NG 8                              | 9460 002 310 |
| 6      | Gasket set, for connectors | NG 12                             | 9460 002 311 |
| 4      | Union bolt                 | NG 8, M16 x 1,5                   | 0307 000 030 |
| 4      | Union bolt                 | NG 12, M22 x 1,5                  | 0307 000 160 |
| 1      | Straight screw-in coupling | NG 8, M16 x 1.5                   | 3800 022 601 |
| 1      | Straight screw-in coupling | NG 12, M16 x 1.5                  | 0307 000 300 |
| 1      | Straight screw-in coupling | NG 12, M22 x 1.5                  | 0307 000 240 |
| 1      | Sealing plug               | NG 8                              | 0307 001 990 |
| 1      | Sealing plug               | NG 12                             | 0307 001 980 |



### Assortment case for VOSS connector system 232, complete

| Version   | Order no.    |
|-----------|--------------|
| 391-piece | 0307 000 145 |

#### Contents

| Number | Description                           | Type | Dimensions                                 | Order no.    |
|--------|---------------------------------------|------|--------------------------------------------|--------------|
| 4      | Straight coupling                     | 232  | NG 8, pipe connector 8 x 1 mm              | 0307 124 325 |
| 4      | Straight coupling                     | 232  | NG 12, pipe connector 12 x 1,5 mm          | 0307 124 330 |
| 10     | Adapter, for units with step drilling | 230  | NG 6                                       | 0307 000 194 |
| 4      | Straight screw-in coupling            | 232  | NG 8, M16 x 1.5                            | 0307 124 220 |
| 4      | Straight screw-in coupling            | 232  | NG 12, M16 x 1.5                           | 0307 124 290 |
| 4      | Straight screw-in coupling            | 232  | NG 12, M22 x 1.5                           | 0307 124 310 |
| 20     | Union bolt                            | 230  | NG 6, M10 x 1                              | 0307 003 300 |
| 6      | Union bolt                            | 230  | NG 8, M16 x 1,5                            | 0307 000 030 |
| 6      | Union bolt                            | 230  | NG 12, M22 x 1,5                           | 0307 000 160 |
| 12     | Union bolt                            | 232  | NG 8, M16 x 1.5                            | 0307 124 700 |
| 12     | Union bolt                            | 232  | NG 12, M22 x 1.5                           | 0307 124 695 |
| 10     | Straight connector                    | 230  | NG 6, pipe connector 6 x 1 mm              | 0307 003 430 |
| 15     | Straight connecting plug              | 232  | NG 8, pipe connector 8 x 1 mm              | 0307 124 360 |
| 5      | Straight connecting plug              | 232  | NG 12, pipe connector 8 x 1 mm             | 0307 124 395 |
| 9      | Straight connecting plug              | 232  | NG 12, pipe connector 12 x 1,5 mm          | 0307 124 400 |
| 10     | Sealing plug                          | 232  | NG 8                                       | 0307 124 755 |
| 3      | Sealing plug                          | 232  | NG 12                                      | 0307 124 760 |
| 10     | Straight quick-fit coupling           | 230  | Pipe Ø 6 mm                                | 0307 003 060 |
| 4      | Angled plug, 90°                      | 230  | NG 6, pipe connector 6 x 1 mm              | 0307 000 055 |
| 10     | Angled plug, 90°                      | 232  | NG 8, pipe connector 8 x 1 mm              | 0307 124 945 |
| 6      | Angled plug, 90°                      | 232  | NG 12, pipe connector 8 x 1 mm             | 0307 124 970 |
| 6      | Angled plug, 90°                      | 232  | NG 12, pipe connector 12 x 1,5 mm          | 0307 124 975 |
| 2      | Tee plug connector                    | 232  | NG 12, pipe connector 12 x 1,5/8 x 1 mm    | 0307 124 660 |
| 1      | Tee plug connector                    | 232  | NG 12, pipe connector 12 x 1,5/12 x 1,5 mm | 0307 124 680 |
| 20     | O-ring, Mud ring                      | 232  | NG 8, 7,5 x 2 mm                           | 0307 239 961 |
| 30     | O-ring, Mud ring                      | 232  | NG 12, 12 x 2 mm                           | 0307 449 961 |
| 20     | O-ring, Sealing ring                  | 232  | NG 8, 7 x 1,5 mm                           | 5239 390 055 |
| 30     | O-ring, Sealing ring                  | 232  | NG 12, 12 x 1,6 mm                         | 0307 089 971 |
| 20     | O-ring, Mud ring                      | 230  | NG 6, 5,5 x 1 mm                           | 0307 159 972 |
| 20     | O-ring, Sealing ring                  | 230  | NG 6, 3,5 x 1,5 mm                         | 0307 149 971 |
| 20     | Spring element                        | 230  | NG 6, Outer Ø 6,5 mm                       | 0307 062 179 |
| 6      | Spring element                        | 230  | NG 8, Outer Ø 9,7 mm                       | 0307 000 040 |
| 6      | Spring element                        | 230  | NG 12, Outer Ø 15,2 mm                     | 0307 000 170 |
| 20     | Clamp                                 | 230  | NG 6, Outer Ø 7,4 mm                       | 0307 016 900 |
| 6      | Clamp                                 | 230  | NG 8, Outer Ø 11,6 mm                      | 0307 000 020 |
| 6      | Clamp                                 | 230  | NG 12, Outer Ø 17,6 mm                     | 0307 000 150 |



## Assortment box

### RAUFOSS connector 3

in sheet steel box 340 x 240 x 55 mm, plastic insert 18 compartments

#### Version

51-piece

#### Order no.

9173 210 040

#### Contents

| Number | Description               | Dimensions                                            | Order no.    |
|--------|---------------------------|-------------------------------------------------------|--------------|
| 2      | Angled piece 90° bend     | 2 x M12 x 1,5                                         | 6300 000 066 |
| 2      | Angled piece 90° bend     | 2 x M16 x 1,5                                         | 6300 000 077 |
| 2      | Angled piece 90° bend     | 2 x M22 x 1,5                                         | 6300 000 080 |
| 1      | T-piece                   | M12 x 1,5                                             | 6300 000 067 |
| 1      | T-piece                   | M16 x 1,5                                             | 6300 000 079 |
| 1      | T-piece                   | M22 x 1,5                                             | 6300 000 081 |
| 2      | Bulkhead elbow muff, 90°  | M16 x 1,5, length 22 mm                               | 6300 000 064 |
| 2      | Bulkhead elbow muff, 90°  | 2 x M16 x 1,5/M22 x 1,5, length 20 mm                 | 6300 000 065 |
| 3      | Pipe joint                | Pipe connector 6 x 1 mm                               | 6300 000 093 |
| 3      | Pipe joint                | Pipe connector 8 x 1 mm                               | 6300 000 101 |
| 2      | Pipe joint                | Pipe connector 10 x 1 mm                              | 6300 000 009 |
| 3      | Pipe joint                | Pipe connector 12 x 1,5 mm                            | 6300 000 021 |
| 1      | Pipe joint                | Pipe connector 15 x 1,5 mm                            | 6300 000 029 |
| 1      | Bulkhead muff             | M16 x 1,5/M22 x 1,5, spanner size 28 mm, length 24 mm | 6300 000 049 |
| 10     | Counternut, Brass         | M16 x 1,5, spanner size 22 mm                         | 6300 000 056 |
| 10     | Counternut, steel         | M22 x 1,5, spanner size 27 mm                         | 0505 004 544 |
| 2      | Locking screw with O-ring | M16 x 1,5, spanner size 22 mm                         | 6300 000 063 |
| 2      | Locking screw with O-ring | M22 x 1,5, spanner size 28 mm                         | 0520 220 154 |





**Screw joint case  
for RAUFOSS ABC system**

## Scope of supply

3 x ABC connection pieces, regular, M12 x 1,5  
 2 x ABC connection pieces, regular, M14 x 1,5  
 5 x ABC connection pieces, regular, M16 x 1,5  
 3 x ABC connection pieces, regular, M22 x 1,5  
 2 x ABC connection pieces, heavy duty, M16 x 1,5  
 2 x ABC connection pieces, heavy duty, M22 x 1,5  
 3 x ABC New Line straight connectors, M12 x 1,5, pipe  $\varnothing$  6 x 1 mm  
 3 x straight connectors ABC New Line, M16 x 1,5, pipe  $\varnothing$  6 x 1 mm  
 5 x ABC New Line straight connectors, M12 x 1,5, pipe  $\varnothing$  8 x 1 mm  
 5 x straight connectors ABC New Line, M16 x 1,5, pipe  $\varnothing$  8 x 1 mm  
 3 x straight connectors ABC New Line, M22 x 1,5, pipe  $\varnothing$  8 x 1 mm  
 5 x straight connectors ABC New Line, M16 x 1,5, pipe  $\varnothing$  12 x 1,5 mm  
 3 x straight connectors ABC New Line, M22 x 1,5, pipe  $\varnothing$  12 x 1,5 mm  
 2 x straight connectors ABC New Line, M16 x 1,5, pipe  $\varnothing$  16 x 2 mm  
 3 x straight connectors ABC New Line, M22 x 1,5, pipe  $\varnothing$  16 x 2 mm  
 1 x Rotolock, regular hex 18 mm  
 2 x Rotolock, regular hex 20 mm  
 1 x Rotolock, regular hex 22 mm  
 2 x Rotolock, regular hex 28 mm  
 3 x plugs for connectors, pipe  $\varnothing$  8 x 1 mm  
 3 x plugs for connectors, pipe  $\varnothing$  12 x 1,5 mm  
 2 x ABC threadless connector, regular, pipe  $\varnothing$  6 x 1 mm  
 5 x ABC threadless connector, regular, pipe  $\varnothing$  8 x 1 mm  
 5 x ABC threadless connector, regular, pipe  $\varnothing$  12 x 1,5 mm  
 2 x ABC threadless connector, regular, pipe  $\varnothing$  16 x 2 mm  
 5 x ABC straight connectors, regular, length 45 mm  
 5 x 90° elbows, regular, length 29 mm  
 2 x 90° elbows, heavy duty, length 34 mm  
 3 x T & L pieces, regular, length 62/26 mm  
 1 x T & L piece, heavy duty, length 73/31 mm  
 2 x Y pieces, regular, length 55 mm  
 2 x ABC reducers, regular, length 15 mm  
 2 x dismantling tool, standard, pipe  $\varnothing$  6 x 1 mm  
 2 x dismantling tool, standard, pipe  $\varnothing$  8 x 1 mm  
 2 x dismantling tool, standard, pipe  $\varnothing$  12 x 1,5 mm

## Version

101-piece

## Order no.

6302 600 960



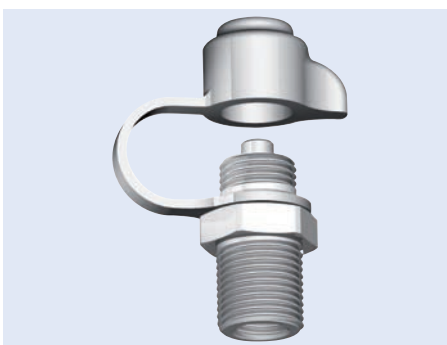


## Test connection with protective cap

Connection thread M16 x 1,5

**Application range**  
for air brakes

| Inner thread | Length  | Spanner size | Order no.    |
|--------------|---------|--------------|--------------|
| M12 x 1,5    | 38 mm   | 17 mm        | 0307 031 160 |
| M14 x 1,5    | 45,5 mm | 17 mm        | 0307 031 060 |
| M16 x 1,5    | 40 mm   | 22 mm        | 9173 008 020 |
| M18 x 1,5    | 42 mm   | 24 mm        | 0307 031 070 |
| M22 x 1,5    | 42 mm   | 27 mm        | 0307 031 080 |



## WABCO

## Test connection with protective cap

Inner thread M12 x 1,5

Outer thread M18 x 1.5

Outer thread 18 mm

Spanner size 22 mm

**Order no.**

0307 032 040

**Comparative no.**

WABCO 463 703 204 0

8



## Test connection with protective cap

Connection thread M16 x 1,5

**Application range**  
for air brakes

| Outer thread | Spanner size | Order no.    |
|--------------|--------------|--------------|
| M16 x 1,5    | 22 mm        | 0307 031 030 |
| M22 x 1.5    | 28 mm        | 0307 031 150 |



## Test connection with protective cap

Outer thread M18 x 1.5

Outer thread 18 mm

Spanner size 22 mm

**Application range**  
for straight screw-in connection

**Pipe connector**

6 x 1 mm

8 x 1 mm

**Order no.**

6306 237 207

6306 237 227



## Plastic pipe

contains plasticiser for extrusion, stabilised against thermal ageing and light

Length 25 m

Material Polyamide 12

Colour black

operating pressure at +20 °C: 45 bar

### Application range

for compressed air systems

| Outer Ø | Wall thickness | Bending radius | Order no.    |
|---------|----------------|----------------|--------------|
| 4 mm    | 1 mm           | 30 mm          | 9194 310 021 |
| 5 mm    | 1 mm           | 30 mm          | 9176 720 161 |
| 6 mm    | 1 mm           | 30 mm          | 0492 519 177 |
| 8 mm    | 1 mm           | 40 mm          | 0492 519 167 |
| 9 mm    | 1,5 mm         | 60 mm          | 9176 720 131 |
| 10 mm   | 1 mm           | 60 mm          | 0492 519 157 |
| 10 mm   | 1,5 mm         | 60 mm          | 9176 720 081 |
| 11 mm   | 1,5 mm         | 60 mm          | 9194 270 001 |
| 12 mm   | 1,5 mm         | 60 mm          | 0492 519 147 |
| 14 mm   | 2 mm           | 75 mm          | 9176 720 141 |
| 15 mm   | 1,5 mm         | 90 mm          | 0492 519 137 |
| 16 mm   | 2 mm           | 100 mm         | 9010 060 445 |
| 18 mm   | 2 mm           | 100 mm         | 0492 519 127 |



## Plug-in sleeve

for plastic pipe

### Application range

for compressed air systems

| Type                             | suitable for                    | Order no.    |
|----------------------------------|---------------------------------|--------------|
| VH 6x1.5 PO                      | plastic pipe with inner Ø 3 mm  | 9172 441 400 |
| VH 6x1 PO                        | plastic pipe with inner Ø 4 mm  | 0510 402 104 |
| VH 8x1.5 PO                      | plastic pipe with inner Ø 5 mm  | 9172 441 410 |
| VH 8x1 PO                        | plastic pipe with inner Ø 6 mm  | 0510 402 204 |
| VH 10x1.5 PO                     | plastic pipe with inner Ø 7 mm  | 9172 441 420 |
| VH 10x1 PO                       | plastic pipe with inner Ø 8 mm  | 0510 402 304 |
| VH 12x1,5 PO                     | plastic pipe with inner Ø 9 mm  | 0510 402 404 |
| VH 12x1/12.5x1.25/13x1.5/14x2 PO | plastic pipe with inner Ø 10 mm | 9172 441 230 |
| VH 15x1,5/16x2 PO                | plastic pipe with inner Ø 12 mm | 0510 402 504 |
| VH 18x2 PO                       | plastic pipe with inner Ø 14 mm | 0510 402 604 |

# Threaded fittings, hydraulics and related equipment



More information from:

[www.europart.net](http://www.europart.net)



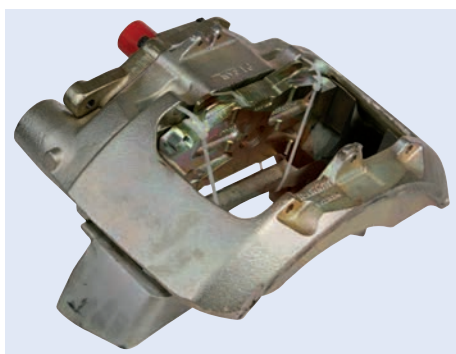


# Braking system

9



|                      |         |
|----------------------|---------|
| Disc brake . . . . . | 480-500 |
| Drum brake . . . . . | 501-509 |



**MERITOR**  
**Brake caliper**

Installation location front axle

This figure corresponds to 1509 015 526

| suitable for                                                                                                                        | Brake system             | Installation side | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------|---------------------|-----------------|
| <b>Fast Scoler III, Syter</b><br><b>MAN</b> Lion's City (A21), NG (A23), NÜ (A20)<br><b>Temsa</b> Safari                            | D ELSA 1, D ELSA PHASE 1 | left              | <b>1509 005 420</b> | Meritor LRG574  |
| <b>Fast Scoler III, Syter</b><br><b>MAN</b> Lion's City (A21), NG (A23), NÜ (A20)<br><b>Temsa</b> Safari                            | D ELSA 1, D ELSA PHASE 1 | right             | <b>1509 005 425</b> | Meritor LRG575  |
| <b>Fast Scoler III, Syter</b><br><b>Temsa</b> Safari<br><b>Van Hool</b> A320/330, T900                                              | D ELSA 1, D ELSA PHASE 1 | left              | <b>1509 005 450</b> | Meritor LRG590  |
| <b>Fast Scoler III, Syter</b><br><b>Temsa</b> Safari<br><b>Van Hool</b> A320/330, T900                                              | D ELSA 1, D ELSA PHASE 1 | right             | <b>1509 005 455</b> | Meritor LRG591  |
| <b>Fast Scoler II</b><br><b>Heuliez</b> GX 127<br><b>Irisbus</b> Agora, Citelis                                                     | D LISA, LISA             | left              | <b>1509 015 525</b> | Meritor LRG548  |
| <b>Fast Scoler II</b><br><b>Heuliez</b> GX 127<br><b>Irisbus</b> Agora, Citelis                                                     | D LISA, LISA             | right             | <b>1509 015 526</b> | Meritor LRG549  |
| <b>Heuliez</b> GX 327, 427<br><b>Irisbus</b> Citelis, Citelis CNG, Crossway LE                                                      | ELSA 225                 | left              | <b>7600 000 756</b> | Meritor LRG756  |
| <b>Heuliez</b> GX 327, 427<br><b>Irisbus</b> Citelis, Citelis CNG, Crossway LE                                                      | ELSA 225                 | right             | <b>7600 000 757</b> | Meritor LRG757  |
| <b>Irisbus</b> Agora                                                                                                                | D3                       | left              | <b>7600 526 000</b> | Meritor LRG526  |
| <b>Irisbus</b> Agora                                                                                                                | D3                       | right             | <b>7600 527 000</b> | Meritor LRG527  |
| <b>MAN</b> Lion's City (A20), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Tourliner (N 2216), Trendliner (N 3516) | ELSA 1                   | left              | <b>1509 005 460</b> | Meritor LRG704  |
| <b>MAN</b> Lion's City (A20), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Tourliner (N 2216), Trendliner (N 3516) | ELSA 1                   | right             | <b>1509 005 465</b> | Meritor LRG705  |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                 | D ELSA 2 PHASE 2, ELSA 2 | left              | <b>1509 015 558</b> | Meritor LRG720  |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                 | D ELSA 2 PHASE 2, ELSA2  | right             | <b>1509 015 559</b> | Meritor LRG721  |
| <b>MAN</b> NG (A11), NL (A10/A15)<br><b>Van Hool</b> T900/2100                                                                      | D3                       | left              | <b>1509 005 390</b> | Meritor LRG524  |
| <b>MAN</b> NG (A11), NL (A10/A15)<br><b>Van Hool</b> T900/2100                                                                      | D3                       | right             | <b>1509 005 395</b> | Meritor LRG525  |
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404                                                                                      | D3                       | left              | <b>1509 015 606</b> | Meritor LRG532  |
| <b>Mercedes-Benz</b> Tourismo I (O 350), O 404                                                                                      | D3                       | right             | <b>1509 015 607</b> | Meritor LRG533  |
| <b>Volvo</b> B12B, B12R                                                                                                             | D DUCO AXIAL/FLIP        | left              | <b>6173 095 619</b> | Meritor LRG596  |
| <b>Volvo</b> B12B, B12R                                                                                                             | D DUCO AXIAL/FLIP        | right             | <b>6173 095 620</b> | Meritor LRG597  |





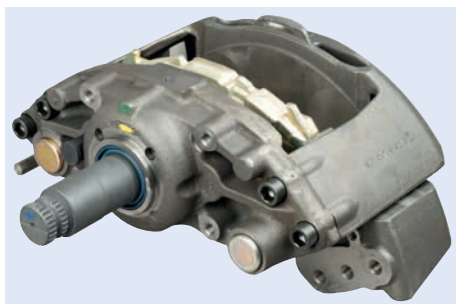
**MERITOR**  
**Brake caliper**  
**in exchange**

Installation location front axle

This figure corresponds to 7650 000 013

| suitable for                                                                                                                     | Brake system             | Installation side | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------|---------------------|--------------------|
| <b>Fast Scoler II</b><br><b>Heuliez GX 127</b><br><b>Irisbus Agora, Citelis</b>                                                  | D LISA, LISA             | left              | <b>7650 000 033</b> | Meritor MXC9305001 |
| <b>Fast Scoler II</b><br><b>Heuliez GX 127</b><br><b>Irisbus Agora, Citelis</b>                                                  | D LISA, LISA             | right             | <b>7650 000 034</b> | Meritor MXC9305002 |
| <b>Fast Syter</b><br><b>Temsa Safari</b><br><b>Van Hool A320/330, T900</b>                                                       | D ELSA PHASE 1, ELSA 1   | left              | <b>7650 000 013</b> | Meritor MXC9308011 |
| <b>Fast Scoler III, Syter</b><br><b>Temsa Safari</b><br><b>Van Hool A320/330, T900</b>                                           | D ELSA PHASE 1, ELSA 1   | right             | <b>7650 000 014</b> | Meritor MXC9308012 |
| <b>Fast Scoler III, Syter</b><br><b>MAN Lion's City (A21), NG (A23), NÜ (A20)</b><br><b>Temsa Safari</b>                         | D ELSA PHASE 1, D ELSA 1 | left              | <b>7650 000 017</b> | Meritor MXC9308015 |
| <b>Fast Scoler III, Syter</b><br><b>MAN Lion's City (A21), NG (A23), NÜ (A20)</b><br><b>Temsa Safari</b>                         | D ELSA PHASE 1, D ELSA 1 | right             | <b>7650 000 018</b> | Meritor MXC9308016 |
| <b>Irisbus Agora</b>                                                                                                             | D3                       | left              | <b>7659 304 003</b> | Meritor MXC9304003 |
| <b>Irisbus Agora</b>                                                                                                             | D3                       | right             | <b>7650 000 026</b> | Meritor MXC9304004 |
| <b>MAN Lion's City (A20), NG (A23), NL (A21)</b><br><b>Neoplan Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)</b> | ELSA 1                   | left              | <b>7650 000 011</b> | Meritor MXC9308009 |
| <b>MAN Lion's City (A20), NG (A23), NL (A21)</b><br><b>Neoplan Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)</b> | ELSA 1                   | right             | <b>7650 000 012</b> | Meritor MXC9308010 |
| <b>MAN Lion's City (A21)</b><br><b>Neoplan Centroliner (N 45XX)</b>                                                              | D ELSA 2 PHASE 2, ELSA 2 | left              | <b>7650 000 037</b> | Meritor MXC9309011 |
| <b>MAN Lion's City (A21)</b><br><b>Neoplan Centroliner (N 45XX)</b>                                                              | D ELSA 2 PHASE 2, ELSA2  | right             | <b>7650 000 038</b> | Meritor MXC9309012 |
| <b>MAN NG (A11), NL (A10/A15)</b><br><b>Van Hool T900</b>                                                                        | D3                       | left              | <b>7650 000 023</b> | Meritor MXC9304001 |
| <b>MAN NG (A11), NL (A10/A15)</b><br><b>Van Hool T900</b>                                                                        | D3                       | right             | <b>7650 000 024</b> | Meritor MXC9304002 |
| <b>Mercedes-Benz O 404,</b><br><b>Tourismo I (O 350)</b>                                                                         | D3                       | left              | <b>7650 000 027</b> | Meritor MXC9304007 |
| <b>Mercedes-Benz O 404,</b><br><b>Tourismo I (O 350)</b>                                                                         | D3                       | right             | <b>7650 000 028</b> | Meritor MXC9304008 |

*On page 630 you'll find a tandem brake testing station especially for buses.*



**MERITOR**  
**Brake caliper**

Installation location rear axle

This figure corresponds to 1509 015 609

| suitable for                                                                                       | Brake system             | Installation side | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------------------------|--------------------------|-------------------|---------------------|-----------------|
| <b>Irisbus</b> Agora<br><b>Van Hool</b> A320/330                                                   | D ELSA 1                 | left              | <b>1509 015 475</b> | Meritor LRG642  |
| <b>Irisbus</b> Agora<br><b>Van Hool</b> A320/330                                                   | D ELSA 1                 | right             | <b>1509 015 480</b> | Meritor LRG643  |
| <b>Irisbus</b> Arway, Crossway LE,<br>Magelys HD/Pro, Récréo II                                    | D ELSA 2 PHASE 2, ELSA 2 | left              | <b>2590 122 068</b> | Meritor LRG659  |
| <b>Irisbus</b> Arway, Crossway LE,<br>Magelys HD/Pro, Récréo II                                    | D ELSA 2 PHASE 2, ELSA 2 | right             | <b>2590 122 065</b> | Meritor LRG658  |
| <b>Iveco</b> CityClass                                                                             | DX225-22                 | left              | <b>7982 515 710</b> | Meritor LRG710  |
| <b>Iveco</b> CityClass                                                                             | DX225-22                 | right             | <b>7982 515 711</b> | Meritor LRG711  |
| <b>MAN</b> Lion's City (A20/A21/A37), NG (A23),<br>NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | D ELSA PHASE 1, ELSA 1   | left              | <b>1509 015 310</b> | Meritor LRG542  |
| <b>MAN</b> Lion's City (A20/A21/A37), NG (A23),<br>NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | D ELSA PHASE 1, ELSA 1   | right             | <b>1509 015 315</b> | Meritor LRG543  |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                | D ELSA 2 PHASE 2, ELSA 2 | left              | <b>1509 015 563</b> | Meritor LRG662  |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                | D ELSA 2 PHASE 2, ELSA 2 | right             | <b>1509 015 564</b> | Meritor LRG663  |
| <b>MAN</b> NG (A23), NÜ (A20)                                                                      | D ELSA 1                 | left              | <b>1509 005 430</b> | Meritor LRG632  |
| <b>MAN</b> NG (A23), NÜ (A20)                                                                      | D ELSA 1                 | right             | <b>1509 005 435</b> | Meritor LRG633  |
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350)                                                     | D3                       | left              | <b>1509 015 608</b> | Meritor LRG622  |
| <b>Mercedes-Benz</b> O 404, Tourismo I (O 350)                                                     | D3                       | right             | <b>1509 015 609</b> | Meritor LRG623  |

## Professional vehicle diagnosis

Across-brand diagnostic tools for tractor units, trailers, semi-trailers, buses and vans

[www.europart.net](http://www.europart.net)

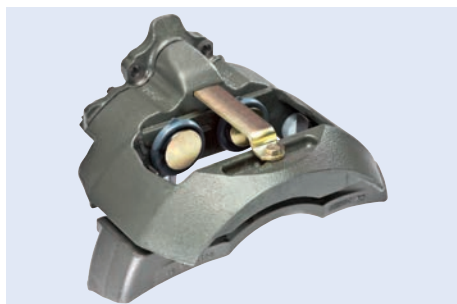




## Brake caliper in exchange

Installation location rear axle

| suitable for                                                                                       | Brake system             | Installation side | Order no.           | Comparative no.    |
|----------------------------------------------------------------------------------------------------|--------------------------|-------------------|---------------------|--------------------|
| <b>MAN</b> NG (A23), NÜ (A20)                                                                      | D ELSA 1                 | left              | <b>7650 000 007</b> | Meritor MXC9308005 |
| <b>MAN</b> NG (A23), NÜ (A20)                                                                      | D ELSA 1                 | right             | <b>7650 000 008</b> | Meritor MXC9308006 |
| <b>MAN</b> Lion's City (A20/A21/A37),<br>NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | D ELSA PHASE 1, ELSA 1   | left              | <b>7650 000 015</b> | Meritor MXC9308013 |
| <b>MAN</b> Lion's City (A20/A21/A37),<br>NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | D ELSA PHASE 1, ELSA 1   | right             | <b>7650 000 016</b> | Meritor MXC9308014 |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                | D ELSA 2 PHASE 2, ELSA 2 | left              | <b>7650 000 035</b> | Meritor MXC9308027 |
| <b>MAN</b> Lion's City (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                | D ELSA 2 PHASE 2, ELSA 2 | right             | <b>7650 000 036</b> | Meritor MXC9308028 |
| <b>Mercedes-Benz</b> O 404,<br>Tourismo I (O 350)                                                  | D3                       | left              | <b>7650 000 031</b> | Meritor MXC9304011 |
| <b>Mercedes-Benz</b> O 404,<br>Tourismo I (O 350)                                                  | D3                       | right             | <b>7650 000 032</b> | Meritor MXC9304012 |



**MERITOR**  
Brake caliper

This figure corresponds to 1509 010 951

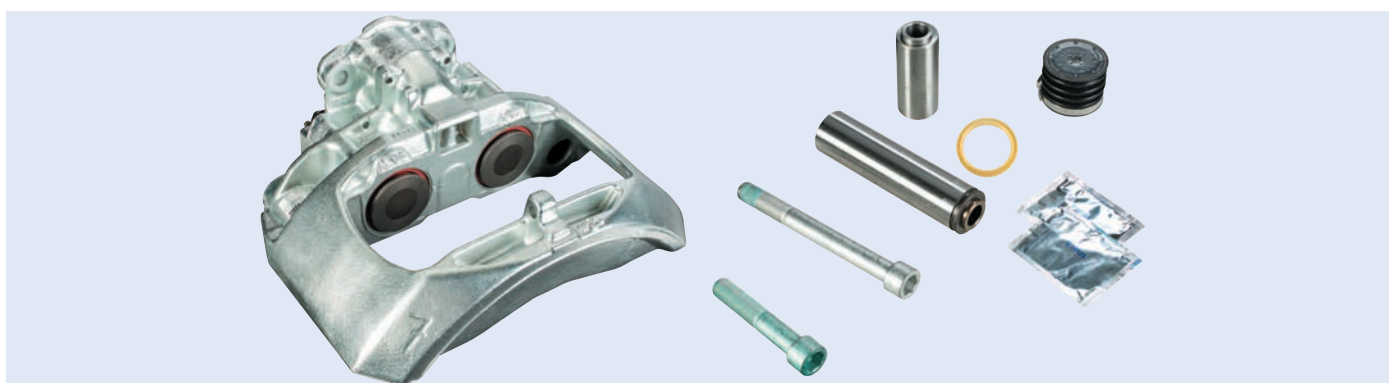
| suitable for                                              | Brake system     | Installation side | Order no.           | Comparative no. |
|-----------------------------------------------------------|------------------|-------------------|---------------------|-----------------|
| <b>Fast</b> Scoler I                                      | D ELSA 2 PHASE 2 | left              | <b>1509 015 493</b> | Meritor LRG700  |
| <b>Fast</b> Scoler I                                      | D ELSA 2 PHASE 2 | right             | <b>1509 015 494</b> | Meritor LRG701  |
| <b>Heuliez</b> GX 217, 417<br><b>Volvo</b> B7L, B7R, B12B | D LISA           | left              | <b>1509 015 611</b> | Meritor LRG593  |
| <b>Heuliez</b> GX 217, 417<br><b>Volvo</b> B7R, B12B      | D LISA           | right             | <b>1509 015 610</b> | Meritor LRG593  |
| <b>MAN</b> Lion's Classic Ü (A72)                         | D ELSA 2 PHASE 2 | left              | <b>7600 072 200</b> | Meritor LRG722  |
| <b>MAN</b> Lion's Classic Ü (A72), Lion's Regio (R12)     | D ELSA 2 PHASE 2 | right             | <b>7600 072 300</b> | Meritor LRG723  |
| <b>Volvo</b> B7R, B9L, B9R, B9TL, B12B, B12R              | D DUCO           | left              | <b>1509 010 951</b> | Meritor LRG536  |
| <b>Volvo</b> B7R, B9L, B9R, B9TL, B12B, B12R              | D DUCO           | right             | <b>1509 010 952</b> | Meritor LRG537  |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12, B13R         | ELSA 225         | left              | <b>1509 073 800</b> | Meritor LRG736  |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B12, B13R         | ELSA 225         | right             | <b>1509 073 700</b> | Meritor LRG737  |



## Brake caliper in exchange

Brake system D LISA

| suitable for                                              | Installation side | Order no.           | Comparative no.    |
|-----------------------------------------------------------|-------------------|---------------------|--------------------|
| <b>Heuliez</b> GX 217, 417<br><b>Volvo</b> B7L, B7R, B12B | left              | <b>1509 005 007</b> | Meritor MXC9305007 |
| <b>Heuliez</b> GX 217, 417<br><b>Volvo</b> B7L, B7R, B12B | right             | <b>1509 005 008</b> | Meritor MXC9305008 |



## Brake caliper PROEQUIP, in exchange

Brake system SB7  
Version 2-piston brake caliper  
Ø 68 mm  
Material cast iron

| suitable for                                                                                                                                                                                                              | Installation side | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550),<br>Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | left              | <b>1903 005 028</b> | TRW BCZ5028E    |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550),<br>Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415/417/419 UL           | right             | <b>1903 005 029</b> | TRW BCZ5029E    |



**MERITOR**  
**Brake caliper**

Installation location front axle

| suitable for                                                                                                                                           | Installation side | Order no.           | Comparative no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|------------------|
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | left              | <b>1509 005 935</b> | Meritor 31932082 |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | right             | <b>1509 005 940</b> | Meritor 31932083 |



**Brake caliper**

Installation location front axle/rear axle  
Installation side vehicle-dependent  
Fastening axial

This figure corresponds to 3400 013 182

| suitable for                                                                                                                                                                                                                                                                  | Type     | Order no.                        | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------|-----------------|
| <b>Irisbus</b> Eurorider                                                                                                                                                                                                                                                      | SN7300RC | <b>3400 047 092</b>              | Knorr K013181   |
| <b>Irisbus</b> Eurorider                                                                                                                                                                                                                                                      | SN7310RC | <b>3400 013 182</b>              | Knorr K013182   |
| <b>Scania</b> K94/114/124/360/380, L94, OmniCity<br><b>Setra</b> S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT                                                                                                                                         | SN7203RC | <sup>1</sup> <b>3450 414 766</b> | Knorr K003803   |
| <b>Neoplan</b> Skyliner<br><b>Scania</b> K94/114/124/360/380, L94, OmniCity<br><b>Setra</b> S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT                                                                                                              | SN7213RC | <sup>1</sup> <b>3450 414 767</b> | Knorr K003804   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Turismo II, Travego I/II (O 580)<br><b>Setra</b> S 315/319 NF, S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL<br><b>Solaris</b> Urbino III | SN7211RC | <sup>1</sup> <b>3450 003 800</b> | Knorr K003800   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Turismo II, Travego I/II (O 580)<br><b>Setra</b> S 315/319 NF, S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL<br><b>Solaris</b> Urbino III | SN7201RC | <sup>1</sup> <b>3450 003 799</b> | Knorr K003799   |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                          | SN6558RC | <b>3400 047 090</b>              | Knorr K013177   |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                          | SN6568RC | <b>3400 047 091</b>              | Knorr K013178   |

<sup>1</sup> with steel cap



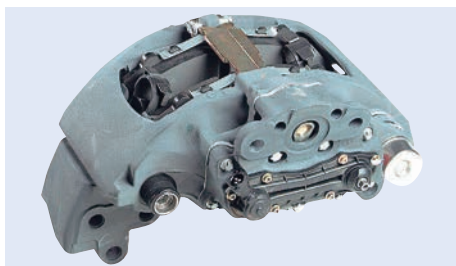
### Brake caliper

|                       |                   |
|-----------------------|-------------------|
| Installation location | rear axle         |
| Installation side     | vehicle-dependent |
| Fastening             | axial             |

This figure corresponds to 3450 414 775

| suitable for                                                                                                                                                                                                                                                 | Type                  | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                             | SN7197RC <sup>1</sup> | <b>3450 414 774</b> | Knorr K003811   |
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                             | SN7217RC <sup>1</sup> | <b>3450 414 775</b> | Knorr K003812   |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/319 UL-GT, S 315/317/319 GT-HD, S 313/315/319 UL, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL | SB7432RC              | <b>3450 027 980</b> | Knorr K002798   |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/319 UL-GT, S 315/317/319 GT-HD, S 313/315/319 UL, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL | SB7422RC              | <b>3450 027 970</b> | Knorr K002797   |

<sup>1</sup> with steel cap



### Brake caliper

|                       |                   |
|-----------------------|-------------------|
| Installation location | rear axle         |
| Installation side     | vehicle-dependent |
| Fastening             | radial            |
| Bearing version       | with steel cap    |

This figure corresponds to 3450 414 733

| suitable for                                                                                      | Type     | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------|----------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>Setra</b> S 415 NF<br><b>Solaris</b> Urbino III | SB7451RC | <b>3450 414 732</b> | Knorr K002964   |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>Setra</b> S 415 NF<br><b>Solaris</b> Urbino III | SB7461RC | <b>3450 414 733</b> | Knorr K002965   |
| <b>Mercedes-Benz</b> Citaro (O 530)<br><b>Scania</b> OmniCity<br><b>Setra</b> S 315/319 NF        | SB7450RC | <b>3450 414 730</b> | Knorr K002962   |
| <b>Mercedes-Benz</b> Citaro (O 530)<br><b>Scania</b> OmniCity<br><b>Setra</b> S 315/319 NF        | SB7460RC | <b>3450 414 731</b> | Knorr K002963   |





### Brake caliper

This figure corresponds to 3400 047 085

| suitable for                                                                                                                                                             | Type     | Fastening | Order no.                        | Comparative no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------------------------------|------------------|
| <b>Heuliez</b> GX 327<br><b>Irisbus</b> Arway, Arway LE, Citelis, Crossway LE, Domino, New Domino, Eurorider, Evadys, Magelys, Récréo<br><b>Iveco</b> CityClass          | SN7241RC | axial     | <sup>1</sup> <b>3450 414 786</b> | Knorr K004578    |
| <b>Heuliez</b> GX 327<br><b>Irisbus</b> Arway, Arway LE, Citelis, Crossway LE, Domino, New Domino, Eurorider, Evadys, Magelys, Récréo<br><b>Iveco</b> CityClass          | SN7251RC | axial     | <sup>1</sup> <b>3450 414 787</b> | Knorr K004579    |
| <b>Irisbus</b> Eurorider                                                                                                                                                 | SN7289RC | axial     | <b>3400 047 084</b>              | Knorr K013160    |
| <b>Irisbus</b> Eurorider                                                                                                                                                 | SN7299RC | axial     | <b>3400 047 085</b>              | Knorr K013161    |
| <b>Scania</b> K124/360/380                                                                                                                                               | SN7264RC | axial     | <sup>1</sup> <b>3450 414 776</b> | Knorr K040953K50 |
| <b>Scania</b> K124/360/380                                                                                                                                               | SN7274RC | axial     | <sup>1</sup> <b>3450 414 777</b> | Knorr K040954K50 |
| <b>MAN</b> Lion's City (A20/A23/A37/A47)                                                                                                                                 | SB7229RC |           | <b>3400 140 650</b>              | Knorr K014065    |
| <b>MAN</b> Lion's City (A20/A23/A37/A47)                                                                                                                                 | SB7239RC |           | <b>3400 140 660</b>              | Knorr K014066    |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Turismo II, Travego II<br><b>Setra</b> S 415 HD, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL | SN7366RC | axial     | <b>3400 026 763</b>              | Knorr K026763    |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Intouro II, Turismo II, Travego II<br><b>Setra</b> S 415 HD, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL | SN7376RC | axial     | <b>3400 026 764</b>              | Knorr K026764    |

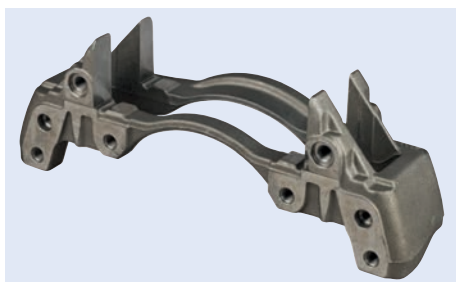
<sup>1</sup> with steel cap



### Brake anchor plate

Installation side left/right

| suitable for      | Order no.           | Comparative no.  |
|-------------------|---------------------|------------------|
| <b>Volvo</b> B12B | <b>1506 832 277</b> | Meritor 68322778 |



### Brake anchor plate

Brake system SB/SN 7  
Installation side left/right

| suitable for                                                | Order no.           | Comparative no. |
|-------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro C2 (O 530), Travego I (O 580)   | <b>3450 411 905</b> | Knorr K000026   |
| <b>Mercedes-Benz</b> Intouro II<br><b>Setra</b> S 417 GT-HD | <b>3450 411 910</b> | Knorr K000027   |

This figure corresponds to 3450 411 905



**MERITOR**  
**Repair kit**  
**for brake calipers**

Length 564 mm

| suitable for     | Order no.    | Comparative no. |
|------------------|--------------|-----------------|
| Volvo B12B, B12R | 7600 001 134 | Meritor MCK1134 |



**MERITOR**  
**Repair kit**  
**for brake calipers**

This figure corresponds to 1509 015 050

| suitable for                                                                                                                                           | Version                                                 | Order no.                        | Comparative no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|------------------|
| <b>MAN</b> Lion's City (A20/A21/A37), NG (A23), NL (A21)                                                                                               |                                                         | <b>1509 015 050</b>              | Meritor MCK1102  |
| <b>MAN</b> Lion's City (A20/A21/A37), NG (A23), NL (A21)                                                                                               | pressure plunger                                        | <b>1509 015 045</b>              | Meritor ST1156   |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                     |                                                         |                                  |                  |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B13R                                                                                                           |                                                         | <sup>1</sup> <b>7600 001 298</b> | Meritor MCK1298  |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                    | guidance system                                         | <sup>1</sup> <b>1509 015 410</b> | Meritor MCK1243  |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                    |                                                         |                                  |                  |
| <b>Volvo</b> B9L, B9TL, B12B                                                                                                                           |                                                         |                                  |                  |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                    | rubber bush (only for brake caliper with rubber guide)  | <b>1509 015 560</b>              | Meritor MCK1289  |
| <b>MAN</b> Lion's City (A20), Lion's Classic Ü (A72), NG (A23)                                                                                         | rubber bush (only for brake calliper with rubber guide) | <b>1509 015 052</b>              | Meritor MCK1103  |
| <b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516)                                                                           |                                                         |                                  |                  |
| <b>Volvo</b> B9R, B9TL, B13R                                                                                                                           |                                                         | <b>7600 001 309</b>              | Meritor MCK 1309 |
| <b>Volvo</b> B12B                                                                                                                                      |                                                         | <b>7601 111 000</b>              | Meritor MCK1111  |
| <b>Volvo</b> B12B                                                                                                                                      | Standard size                                           | <b>7601 237 000</b>              | Meritor MCK1237  |
| <b>Volvo</b> B12B                                                                                                                                      |                                                         | <b>1509 013 420</b>              | Meritor SJ4078   |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                    |                                                         | <sup>1</sup> <b>1509 015 400</b> | Meritor MCK1138  |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                                    | plunger plate set                                       | <sup>1</sup> <b>1509 015 405</b> | Meritor MCK1139  |
| <b>Volvo</b> B9R, B9TL, B13R                                                                                                                           |                                                         |                                  |                  |
| <b>Heuliez</b> GX 317                                                                                                                                  |                                                         | <b>1509 013 295</b>              | Meritor SJ4022   |
| <b>Irisbus</b> Agora, Citelis                                                                                                                          |                                                         |                                  |                  |
| <b>MAN</b> NG (A11), NL (A10/A15)                                                                                                                      |                                                         | <b>1509 013 250</b>              | Meritor MCK1213  |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                |                                                         |                                  |                  |
| <b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL |                                                         |                                  |                  |
| <b>Volvo</b> B7R, B9TL                                                                                                                                 | thrust piece                                            | <b>7600 001 238</b>              | Meritor MCK1238  |
| <b>Volvo</b> B7R, B9R, B9TL, B12B, B12R                                                                                                                |                                                         | <sup>2</sup> <b>7600 111 600</b> | Meritor MCK1116  |

<sup>1</sup> ELSA 2

<sup>2</sup> D DUCO

### Repair kit for brake calipers

| suitable for              | Order no.           | Comparative no.    |
|---------------------------|---------------------|--------------------|
| <b>Solaris Urbino III</b> | <b>1361 218 609</b> | ZF 0501 218 609 01 |

### Repair kit for brake calipers

| suitable for           | Order no.           | Comparative no. |
|------------------------|---------------------|-----------------|
| <b>Scania K114</b>     | <b>6170 135 072</b> | Scania 1756389  |
| <b>Volvo B7R, B9TL</b> | <b>6170 294 087</b> | Volvo 3092264   |



### Guide sealing set for brake calipers

This figure corresponds to 3400 110 376

| suitable for                                                                                                                                                                                                        | Version                    | Order no.           | Comparative no.   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516) | with open floating bearing | <b>3450 017 707</b> | Knorr K048389K50  |
| <b>MAN</b> Lion's City (A23)                                                                                                                                                                                        |                            | <b>3400 010 813</b> | Knorr K010813     |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                                                                                               | with bellows               | <b>3432 809 062</b> | Knorr II328090062 |
| <b>Mercedes-Benz</b> Citaro I (O 530)<br><b>Solaris</b> Urbino III                                                                                                                                                  |                            | <b>3406 741 750</b> | Knorr K067417K50  |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                              |                            | <b>3400 110 376</b> | Knorr K031844K50  |



### Guide sealing set for brake application unit

This figure corresponds to 3450 415 525

| suitable for                                                                                                                                                                                                              | Brake system | Order no.           | Comparative no.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Tourismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | SB6, SB7     | <b>3400 110 375</b> | Knorr K048371K50 |
| <b>Mercedes-Benz</b> Citaro I (O 530)<br><b>Solaris</b> Urbino III                                                                                                                                                        | SB6, SB7     | <b>3406 741 750</b> | Knorr K067417K50 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                      | SN 6         | <b>3450 415 525</b> | Knorr K028451    |



### Guide sealing set for brake application unit

Brake system SN 7

| suitable for                          | Order no.           | Comparative no. |
|---------------------------------------|---------------------|-----------------|
| <b>Irisbus</b> Magelys HD             | <b>5034 343 812</b> | Knorr K002845   |
| <b>Mercedes-Benz</b> Citaro I (O 530) |                     |                 |
| <b>Neoplan</b> Skyliner (N 1122)      |                     |                 |



### Pressure pad set

| suitable for                                                                                                                                                                                                                                                                                                                                                                          | Brake system    | Fig. | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A23/A37/A47/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Tourino (O 510), Tourismo II, Travego I/II (O 580)<br><b>Neoplan</b> Cityliner (N 12XX), Tourliner (N 2216)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | SN 6/7          | 1    | <b>3400 110 013</b> | Knorr K010603   |
| <b>MAN</b> Lion's City (A23)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520), Tourismo I/II (O 350), Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415/417 HD, S 417 HDH, S 415 GT-HD, S 415 NF, S 415/417 UL<br><b>Solaris</b> Urbino III                                                                                                                           | SB 7706/SB 7716 | 2    | <b>3430 413 065</b> | Knorr K010604   |



### Close-tolerance bolt for brake caliper

Length 60 mm

Thread M16 x 1,5

**Application range**  
only for 10 hole wheel connection

| suitable for          | Order no.           |
|-----------------------|---------------------|
| <b>Setra</b> S 419 UL | <b>1593 101 526</b> |



### Adjuster cap set

Brake system SN 6/7

| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's Coach (R07/R08) | <b>3411 000 290</b> | Knorr K000945   |
| <b>Neoplan</b> Tourliner (N 2216) |                     |                 |
| <b>Solaris</b> Urbino III         |                     |                 |

**Brake disc**

Version Internally ventilated  
Installation location front axle

(Illustration similar)

| suitable for                                                                                                                                                                  | Dimensions  | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|
| <b>Heuliez</b> GX 117, 127, 317, 327, 427                                                                                                                                     | 434 x 45 mm | <b>2087 434 001</b> |
| <b>Irisbus</b> Agora, Arès, Arway, Arway LE, Axer, Citelis, Citelis CNG, Crossway LE, Evadys, Iliade, Magelys, Récréo II                                                      |             |                     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (R02/R03), NG (A23), NL (A21), NÜ (A20) | 432 x 45 mm | <b>2072 432 004</b> |
| <b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (N 1122), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)                                       |             |                     |
| <b>Temsa</b> Safari                                                                                                                                                           |             |                     |
| <b>Van Hool</b> A320/330, T900                                                                                                                                                |             |                     |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                          | 377 x 45 mm | <b>3410 306 760</b> |
| <b>Setra</b> S 309/312/315 HD, S 315/317 HDH, S 328 DT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, SG 321 UL                                                        | 432 x 45 mm | <b>2069 432 001</b> |

**Brake disc**

Version Internally ventilated  
Installation location front axle/rear axle

(Illustration similar)

| suitable for                                                                                                                                                                                   | Dimensions  | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|
| <b>MAN</b> Lion's City (A20/A23/A37/A47)                                                                                                                                                       | 430 x 45 mm | <b>3410 371 911</b> |
| <b>Mercedes-Benz</b> Citaro (O 530), Cito (O 520)                                                                                                                                              |             |                     |
| <b>Neoplan</b> Jetliner, Skyliner (N 1122)                                                                                                                                                     |             |                     |
| <b>Scania</b> OmniCity                                                                                                                                                                         |             |                     |
| <b>Setra</b> S 315/319 NF                                                                                                                                                                      |             |                     |
| <b>Solaris</b> Urbino III                                                                                                                                                                      |             |                     |
| <b>Temsa</b> Tourmalin                                                                                                                                                                         |             |                     |
| <b>VDL</b> Citea, Bova Futura                                                                                                                                                                  |             |                     |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)                                                                        | 430 x 45 mm | <b>3403 460 000</b> |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/317 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL |             |                     |
| <b>Solaris</b> Urbino III                                                                                                                                                                      |             |                     |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Turismo II, Travego II                                                                                                        | 430 x 45 mm | <b>3403 460 001</b> |
| <b>Setra</b> S 415 HD, S 417 HDH, S 431 DT, S 415/417/419 GT-HD, S 415 NF, S 415/417/419 UL                                                                                                    |             |                     |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                                                                                                                         | 438 x 45 mm | <b>2030 438 001</b> |
| <b>Scania</b> K94/114/124/360/380, L94, OmniCity                                                                                                                                               | 430 x 45 mm | <b>2090 430 001</b> |

**Brake disc**

Version Internally ventilated  
Installation location rear axle

(Illustration similar)

| suitable for                                                                                                                                                                                                                                                                                                                                                                      | Dimensions  | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|
| <b>Fast</b> Scoler III, Syter (Euro 4)<br><b>MAN</b> Lion's City (A20/A21/A37/A78), Lion's Classic Ü (A72), Lion's Coach (R07/R08), Lion's Regio (R12/R13), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Temsa</b> Safari<br><b>Van Hool</b> A320 | 432 x 45 mm | <b>2072 432 005</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                                                                                                                              | 377 x 45 mm | <b>3410 306 770</b> |

**Brake disc set**

Version Internally ventilated  
Installation location rear axle  
Dimensions 432 x 45 mm

**Scope of supply**  
with sensor ring

| suitable for             | Order no.           |
|--------------------------|---------------------|
| <b>Irisbus</b> Eurorider | <b>2066 432 001</b> |

**Brake disc**

Version Internally ventilated  
Installation location front axle  
Dimensions 432 x 45 mm

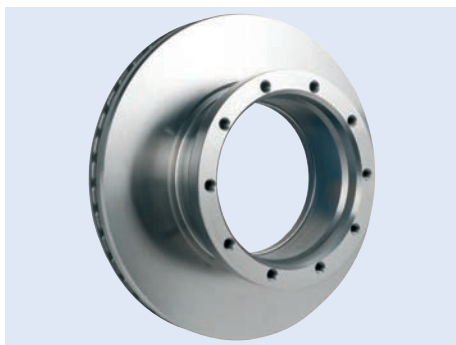
| suitable for                                                                                                                                                                                                                                                  | Order no.           | Comparative no. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Temsa</b> Safari<br><b>Van Hool</b> A308/320/330, T900 | <b>7600 005 057</b> | Meritor MBR5057 |

**Brake disc**

Installation location rear axle

| suitable for         | Order no.           | Comparative no. |
|----------------------|---------------------|-----------------|
| <b>Van Hool</b> T900 | <b>9930 001 240</b> | Meritor MBR9016 |





### Brake disc

|                       |                       |
|-----------------------|-----------------------|
| Version               | Internally ventilated |
| Installation location | front axle/rear axle  |
| Dimensions            | 430 x 45 mm           |

This figure corresponds to 3403 763 800

| suitable for                                                                                                                                                                                   | Order no.           | Comparative no.          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|
| <b>MAN</b> Lion's City (A20/A23/A37/A47)                                                                                                                                                       | <b>3410 371 910</b> | <b>Knorr I1371910061</b> |
| <b>Mercedes-Benz</b> Citaro (O 530), Cito (O 520)                                                                                                                                              |                     |                          |
| <b>Neoplan</b> Jetliner, Skyliner (N 1122)                                                                                                                                                     |                     |                          |
| <b>Scania</b> OmniCity                                                                                                                                                                         |                     |                          |
| <b>Setra</b> S 315/319 NF                                                                                                                                                                      |                     |                          |
| <b>Solaris</b> Urbino III                                                                                                                                                                      |                     |                          |
| <b>Temsa</b> Tourmalin                                                                                                                                                                         |                     |                          |
| <b>VDL</b> Bova Futura                                                                                                                                                                         |                     |                          |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)                                                                        | <b>3403 763 800</b> | <b>Knorr K075758</b>     |
| <b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/317 UL, S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL |                     |                          |
| <b>Solaris</b> Urbino III                                                                                                                                                                      |                     |                          |



(Illustration similar)

### Brake disc

|                       |                       |
|-----------------------|-----------------------|
| Installation location | front axle            |
| Version               | Internally ventilated |

| suitable for                | Dimensions  | Order no.           |
|-----------------------------|-------------|---------------------|
| <b>Heuliez</b> GX 217, 417  | 438 x 45 mm | <b>2009 438 002</b> |
| <b>Volvo</b> B7L, B12B      |             |                     |
| <b>Irisbus</b> Arès, Iliade | 400 x 42 mm | <b>2087 400 001</b> |
| <b>Irisbus</b> Midys        | 377 x 45 mm | <b>2592 992 271</b> |
| <b>Iveco</b> CityClass      | 436 x 45 mm | <b>2599 940 312</b> |
| <b>MAN</b> NG (A23)         | 432 x 45 mm | <b>2072 432 007</b> |



### Brake disc

|                       |                       |
|-----------------------|-----------------------|
| Installation location | rear axle             |
| Version               | Internally ventilated |

(Illustration similar)

| suitable for                                                                                                                                                                                                                      | Dimensions  | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | 430 x 45 mm | <b>3403 460 002</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9TL, B12B                                                                                                                                                                                           | 434 x 45 mm | <b>2009 434 001</b> |



### Brake disc set

|                       |                       |
|-----------------------|-----------------------|
| Version               | Internally ventilated |
| Installation location | front axle            |
| Dimensions            | 417 x 28 mm           |

| suitable for                                       | Order no.           |
|----------------------------------------------------|---------------------|
| <b>Irisbus</b> Eurorider<br><b>Iveco</b> CityClass | <b>2066 417 002</b> |

(Illustration similar)



### Attachment screw for brake disc

|                |      |
|----------------|------|
| Property class | 10.9 |
|----------------|------|

| Vehicle type                                                                                                                                                                                              | Installation location | Thread    | Length | Order no.                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|--------|----------------------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530), Integro II (O 550), Turismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 416/417 GT-HD, S 415/417 UL                      | front axle            | M14 x 1,5 | 60 mm  | <sup>1</sup> <b>9460 066 205</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Integro II (O 550), Turismo I/II (O 350), Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415/417/419 UL | rear axle             | M14 x 1,5 | 75 mm  | <sup>2</sup> <b>9469 900 004</b> |
| <b>Mercedes-Benz</b> Citaro (O 530), Conecto I (O 345), Tourino (O 510), Turismo (O 350), Travego (O 580)<br><b>Setra</b> S 415-417                                                                       | front axle            | M14 x 1,5 | 70 mm  | <sup>1</sup> <b>9461 014 009</b> |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)                                                                                                                                                               | front axle            | M14 x 1,5 | 80 mm  | <sup>1</sup> <b>1597 204 215</b> |
| <b>Irisbus</b> Eurorider                                                                                                                                                                                  |                       | M16       | 79 mm  | <sup>1</sup> <b>2596 683 034</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                    | front axle            | M16 x 1,5 | 70 mm  | <sup>3</sup> <b>8000 004 830</b> |
| <b>Mercedes-Benz</b> Citaro (O 530), Integro (O 550), Intouro (O 500), Tourino (O 510), Turismo (O 350)<br><b>Setra</b> S 412, S 415-417, S 419                                                           |                       | M16 x 1,5 | 60 mm  | <sup>1</sup> <b>1593 101 527</b> |
| <b>MAN</b> Lion's Classic Ü (A72), NG (A23)                                                                                                                                                               | front axle            | M18 x 1,5 | 60 mm  | <sup>2</sup> <b>5231 251 146</b> |

<sup>1</sup> dacrotized

<sup>2</sup> phosphated

<sup>3</sup> geometrised



### TORX® hexagon bolt for brake disc mounting

Property class 10.9

This figure corresponds to 1593 101 524

| suitable for                                                                                                                                                                                                                                                              | Installation location | Thread    | Length | Order no.                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|--------|----------------------------------|
| <b>MAN</b> Lion's City (A20/A21/A37), Lion's Classic Ü (A72),<br>Lion's Coach (R07/R08), Lion's Regio (R12/R13), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Cityliner (N 12XX),<br>Skyliner (2011-), Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516) | front axle            | M18 x 1,5 | 60 mm  | <sup>2</sup> <b>1593 101 524</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                      |                       | M14 x 1,5 | 55 mm  | <sup>1</sup> <b>1593 101 528</b> |
| <b>MAN</b> Lion's City (A20/A21/A37/A78), Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                                                    | rear axle             | M16 x 1,5 | 100 mm | <sup>2</sup> <b>5230 251 896</b> |

<sup>1</sup> dacrotized

<sup>2</sup> phosphated



### Brake pad set

Installation location front axle/rear axle

Scope of supply  
with accessories

This figure corresponds to 2323 405 207

| suitable for                                                                                                                                                                                                                                                                                                                                                                          | WVA no.                              | Brake system | Lining thickness | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------|------------------|---------------------|
| <b>Irisbus</b> Eurorider<br><b>MAN</b> Lion's Coach (R07/R08)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122),<br>Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516)                                                                                                                                                                                              | 29059, 29061, 29087,<br>29108, 29201 | SB/SN 7      | 30,00 mm         | <b>2323 405 207</b> |
| <b>Fast</b> Scoler II Euro 3<br><b>Heuliez</b> GX 127, 327, 427<br><b>Irisbus</b> Agora, Arès, Arway, Arway LE, Citelis,<br>Citelis CNG, Crossway LE, Evadys, Iliade,<br>Magelys, Récréo II<br><b>MAN</b> Lion's Classic Ü (A72)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                                               | 29131                                | D ELSA 2     | 30,00 mm         | <b>2129 131 604</b> |
| <b>Fast</b> Scoler III, Starter, Syter<br><b>Irisbus</b> Agora, Arès, Iliade<br><b>MAN</b> Lion's City (A20/A21/A37),<br>Lion's Star (R02/R03), NG (A11/A23), NL (A10/<br>A15/A21), NÜ (A20)<br><b>Mercedes-Benz</b> Tourismo I (O 350), O 404<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216),<br>Trendliner (N 3516)<br><b>Setra</b> S 315/319 NF<br><b>Temsa</b> Safari | 29030, 29113, 29210                  | D ELSA 1     | 28,00 mm         | <b>2129 030 009</b> |

Continued on the next page ...

... continued from the previous page

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WVA no.                           | Brake system | Lining thickness | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------|------------------|---------------------|
| <b>Volvo</b> B7R, B9L, B9R, B9TL, B12B, B12R                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 29125, 29277                      | D DUCO       | 29,00 mm         | <b>2129 125 009</b> |
| <b>Irisbus</b> Eurorider<br><b>MAN</b> Lion's Coach (R07/R08)<br><b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Neoplan</b> Cityliner (N 12XX),<br>Skyliner (N 1122/2011-), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)<br><b>Scania</b> OmniCity<br><b>Setra</b> S 328 DT, S 315 GT, S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL, S 315/319 UL-<br>GT, SG 321 UL, S 411/415 HD, S 415/417 HDH,<br>S 431 DT<br><b>Solaris</b> Urbino<br><b>VDL</b> Bova Futura, Bova Lexio, Bova Magiq | 29061, 29059, 29087, 29108, 29201 | SB/SN 7      | 30,00 mm         | <b>2323 405 206</b> |



**EURO PART**  
**Brake pad set**  
 Scope of supply  
 without accessories

This figure corresponds to 2129 053 703

| suitable for                                                                                                                                             | Installation location | WVA no. | Brake system | Lining thickness | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|--------------|------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21/A37), NG (A23),<br>NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Tourliner (N 2216), Trendliner (N 3516) | front axle/rear axle  | 29053   | D3, D ELSA 1 | 30,00 mm         | <b>2129 053 703</b> |
| <b>Volvo</b> B5LH, B7R, B9L, B9R, B9TL, B13R                                                                                                             | front axle            | 29174   | ELSA 225-3   | 29,00 mm         | <b>2129 174 008</b> |
| <b>Volvo</b> B7L, B7R, B12, B12B                                                                                                                         | front axle            | 29090   | D LISA       | 28,00 mm         | <b>2129 090 008</b> |


**BERAL**
**Brake pad set**

This figure corresponds to 2129 030 006

| suitable for                                                                                                                        | WVA no. | Brake system     | Lining thickness | Quality | Order no.                        |
|-------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|------------------|---------|----------------------------------|
| <b>Iveco</b> CityClass                                                                                                              | 29150   | DX225            | 30,00 mm         | 4567    | <sup>1</sup> <b>2129 150 300</b> |
| <b>Irisbus</b> Citelis                                                                                                              | 29210   | D3, D ELSA 1     | 28,00 mm         | 4567    | <sup>2</sup> <b>2129 030 005</b> |
| <b>MAN</b> Lion's City (A20/A26/A37/A39), EL (A12), NG (A11/A23), NL (A10/A15), ÜL                                                  |         |                  |                  |         |                                  |
| <b>Van Hool</b> A308/330                                                                                                            |         |                  |                  |         |                                  |
| <b>Irisbus</b> Arés                                                                                                                 | 29253   | SB/SN7 (ProTecS) | 30,00 mm         | 4550    | <sup>1</sup> <b>2120 292 530</b> |
| <b>MAN</b> NÜ (A20)                                                                                                                 |         |                  |                  |         |                                  |
| <b>Mercedes-Benz</b> Tourismo I (O 350), Travego I (O 580)                                                                          |         |                  |                  |         |                                  |
| <b>Setra</b> S 415 HD, S 415/416/417 HDH, S 431 DT, S 415/416 GT, S 415/416/417 GT-HD                                               |         |                  |                  |         |                                  |
| <b>VDL</b> Berkhof Ambassador                                                                                                       |         |                  |                  |         |                                  |
| <b>Fast</b> Scoler III, Starter, Syter                                                                                              | 29030   | D3, D ELSA 1     | 28,00 mm         | 4568    | <sup>1</sup> <b>2129 030 006</b> |
| <b>Irisbus</b> Agora, Arès, Iliade                                                                                                  |         |                  |                  |         |                                  |
| <b>MAN</b> Lion's Coach, Lion's Star, Lion's Comfort, EL, EM, NG, NL, NM, NÜ, SÜ, ÜL                                                |         |                  |                  |         |                                  |
| <b>Temsa</b> Safari                                                                                                                 |         |                  |                  |         |                                  |
| <b>MAN</b> Lion's City (A20/A21/A22/A23/A37/A39/A47/A66/A78), Lion's Coach (R07/R08), Lion's Regio (R12/R13)                        | 29179   | SB/SN7           | 30,00 mm         | 4567    | <sup>1</sup> <b>2120 290 612</b> |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520), Integro II (O 550), Intouro I (O 560), Tourismo II, Travego I/II (O 580) |         |                  |                  |         |                                  |
| <b>Neoplan</b> Centroliner (N 44XX), Cityliner (N 12XX), Tourliner (N 2216), Trendliner (N 3516)                                    |         |                  |                  |         |                                  |
| <b>Setra</b> S 415 HD, S 417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL                                         |         |                  |                  |         |                                  |
| <b>Solaris</b> Urbino III                                                                                                           |         |                  |                  |         |                                  |

<sup>1</sup> with accessories

<sup>2</sup> with wear warning contact

**KNORR-BREMSE**
**Brake pad set**

WVA no. 29059  
 Brake system SB7/SN7  
 Coating length 247,7 mm  
 Lining width 109,7 mm  
 Lining thickness 30,00 mm

**Scope of supply**  
 with accessories

| suitable for                                                                                                                                              | Order no.           | Comparative no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
| <b>Irisbus</b> Eurorider                                                                                                                                  | <b>3419 397 560</b> | Knorr K047865K50 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520), Conecto I (O 345), Integro II (O 550), Intouro II, Tourismo I/II (O 350), Travego I/II (O 580) |                     |                  |
| <b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL                                             |                     |                  |
| <b>Solaris</b> Urbino III                                                                                                                                 |                     |                  |



### Brake pad set

This figure corresponds to 2129 087 302

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                  | WVA no.             | Brake system | Lining thickness | Quality | Order no.                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|------------------|---------|----------------------------------|
| <b>Fast</b> Scoler III, Starter, Syter<br><b>MAN</b> Lion's Coach,<br>Lion's Star, Lion's Comfort, EL, EM, ÜL<br><b>Temsa</b> Diamond, Safari<br><b>Van Hool</b> T911/915/916/917/918/919, TD925/927                                                                                                                                                                                                                                                          | 29113, 29030, 29210 | D ELSA 1     | 28,20 mm         | T3010   | <sup>1</sup> <b>2129 113 283</b> |
| <b>Irisbus</b> Arès, Iliade                                                                                                                                                                                                                                                                                                                                                                                                                                   | 29044, 29130        | Lucas        | 20,00 mm         | T3018   | <sup>2</sup> <b>2119 036 009</b> |
| <b>Irisbus</b> Eurorider<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530),<br>Cito (O 520), Conecto I (O 345), Integro II (O 550),<br>Intouro II, Turismo I/II (O 350),<br>Travego I/II (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH,<br>S 431 DT, S 415/416/417 GT-HD, S 415 NF,<br>S 415/417/419 UL<br><b>Solaris</b> Urbino III                                                                                                             | 29087               | SB7/SN7      | 30,00 mm         | T7400   | <sup>1</sup> <b>2129 087 302</b> |
| <b>MAN</b> Lion's City (A22/A23/A26/A35/A39/A66)<br><b>Neoplan</b> Centroliner (N 44XX/N 45XX),<br>Cityliner (N 12XX), Starliner (N 52XX),<br>Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 411/415 HD, S 415/416/417 HDH,<br>S 431 DT, S 415/416 GT, S 415/416/417 GT-HD,<br>S 415/416 NF, S 412/415/416/417/419 UL<br><b>Solaris</b> Urbino III, Vacanza<br><b>VDL</b> Berkhof Ambassador, Bova Futura,<br>Bova Lexio, Bova Magiq, Bova Synergy | 29087, 29253, 29278 | SB 7000      | 30,00 mm         | T7400   | <b>2129 087 402</b>              |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                                                                                                                                                                                                                                                                          | 29095               | SB 6         | 30,00 mm         | T7400   | <b>2129 095 503</b>              |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                                                                                                                                                                                                                                                                        | 29059               | SB 7000      | 30,00 mm         | T7400   | <sup>1</sup> <b>2102 905 902</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                                                                                                                                                                                                                                                                                                                                                        | 29201               | SB 7         | 30,00 mm         | T3050   | <sup>1</sup> <b>2190 873 006</b> |
| <b>Volvo</b> B5LH, B9L, B9TL, B12B                                                                                                                                                                                                                                                                                                                                                                                                                            | 29131               | D ELSA 2     | 30,20 mm         | D7500   | <b>9190 003 606</b>              |

<sup>1</sup> with accessories

<sup>2</sup> with wear indicator



(Illustration similar)



### Brake pad set

|                  |          |
|------------------|----------|
| WVA no.          | 29083    |
| Coating length   | 250 mm   |
| Lining width     | 118 mm   |
| Lining thickness | 28,00 mm |

#### Scope of supply

with wear sensor, heat plate and retaining springs

| suitable for               | Order no.           | Comparative no. |
|----------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 404 | <b>1509 010 805</b> | Meritor MDP5017 |



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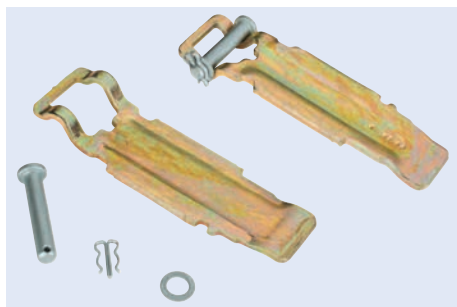
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### Fastening set for disc brake pads

Brake system SB 7, SN 7

#### Scope of supply

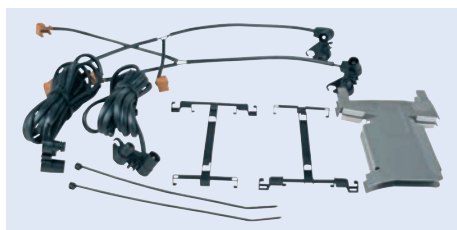
2 x securing clips, 2 x securing pins, 2 x washers, 2 x pin retainers

| suitable for                                                                                                               | Order no.           | Comparative no. |
|----------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> Citaro C2 (O 530), Travego I (O 580)                                                                  | <b>3400 001 290</b> | Knorr K000129   |
| <b>Setra</b> S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415 NF |                     |                 |



### Brake pad sensor for disc brake

| suitable for                                                                                                             | WVA no.      | Length | Order no.           |
|--------------------------------------------------------------------------------------------------------------------------|--------------|--------|---------------------|
| <b>Fast</b> Scoler III, Syter                                                                                            | 29053        | 405 mm | <b>9333 411 903</b> |
| <b>MAN</b> NG (A23)                                                                                                      |              |        |                     |
| <b>Neoplan</b> Centroliner                                                                                               |              |        |                     |
| <b>Temsa</b> Diamond, Safari                                                                                             |              |        |                     |
| <b>Van Hool</b> A320/330, T900                                                                                           |              |        |                     |
| <b>Irisbus</b> Eurorider                                                                                                 | 29108, 29179 | 315 mm | <b>9333 352 001</b> |
| <b>MAN</b> Lion's City, Lion's Classic, Lion's Coach, NG, NL, SÜ, ÜL                                                     | 29055, 29088 | 298 mm | <b>9333 412 004</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Comfort (RN313/RN353), Lion's Star (R02/R03), EL (A12), NG (A11), NL (A10/A15) | 29093, 29094 | 385 mm | <b>9333 412 002</b> |
| <b>MAN</b> NL (A10/A15)                                                                                                  | 29093, 29095 | 395 mm | <b>9333 412 005</b> |
| <b>Scania</b> K94/114/124/360/380, L94                                                                                   | 29108, 29179 | 315 mm | <b>9333 342 002</b> |
| <b>VDL</b> Berkhof Ambassador                                                                                            |              |        |                     |



### Wear indicator kit for disc brake

Brake system SB 7600

| suitable for                     | Order no.           | Comparative no. |
|----------------------------------|---------------------|-----------------|
| <b>Neoplan</b> Skyliner (N 1122) | <b>3400 038 328</b> | Knorr K000684   |

### Brake pad sensor for disc brake

Contact length 310 mm

| suitable for             | Order no.           | Comparative no. |
|--------------------------|---------------------|-----------------|
| <b>Irisbus</b> Eurorider | <b>2590 204 303</b> | Irisbus 2992666 |



### Brake drum

Number of holes 10  
Hole circle Ø 335 mm

This figure corresponds to 2030 410 518

| suitable for                                                     | Installation location | Inner Ø | Height | Brake path | Hub Ø     | Order no.           |
|------------------------------------------------------------------|-----------------------|---------|--------|------------|-----------|---------------------|
| <b>Irisbus</b> Agora                                             | rear axle             | 414 mm  | 278 mm | 232 mm     | 280,80 mm | <b>2087 414 012</b> |
| <b>MAN</b> NL (A10)                                              | front axle/rear axle  | 410 mm  | 212 mm | 167 mm     | 298,00 mm | <b>2072 410 021</b> |
| <b>MAN</b> NL (A10)                                              | rear axle             | 410 mm  | 300 mm | 234 mm     | 298,00 mm | <b>2030 410 508</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>O 405 N, O 407, O 408 | front axle            | 410 mm  | 213 mm | 167 mm     | 298,00 mm | <b>2030 410 518</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407,<br>O 408                    | rear axle             | 410 mm  | 306 mm | 240 mm     | 298,00 mm | <b>2030 410 034</b> |
| <b>Volvo</b> B12                                                 | rear axle             | 410 mm  | 307 mm | 231 mm     | 282,00 mm | <b>2009 410 003</b> |



### Brake drum

Number of holes 10  
Hole circle Ø 335 mm  
Hub Ø 298,00 mm

This figure corresponds to 1210 004 600

| suitable for                 | Installation location | Inner Ø | Height | Brake path | Order no.           |
|------------------------------|-----------------------|---------|--------|------------|---------------------|
| <b>Mercedes-Benz</b> O 404   |                       | 410 mm  | 306 mm | 238 mm     | <b>2030 410 021</b> |
| <b>Volvo</b> B7R, B10B, B10M | front axle            | 394 mm  | 269 mm | 218 mm     | <b>2009 410 013</b> |
| <b>Volvo</b> B7R, B10B, B10M | rear axle             | 394 mm  | 314 mm | 266 mm     | <b>1210 004 600</b> |

### Brake drum

Number of holes 10  
Inner Ø 410 mm  
Height 275 mm  
Hub Ø 282,00 mm

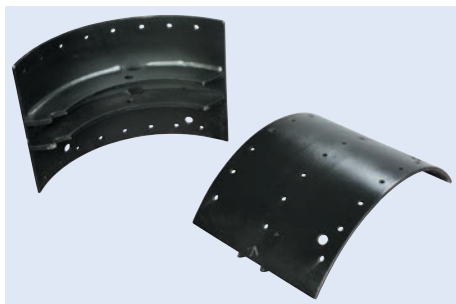
| suitable for                           | Order no.           |
|----------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) | <b>1325 030 701</b> |



**Brake shoe**  
**in exchange**  
**Scope of supply**  
with Beral brake lining 1627

(Illustration similar)

| suitable for | Brake size   | Width  | Installation location | Order no.    |
|--------------|--------------|--------|-----------------------|--------------|
| Volvo B12    | 410 x 125 mm | 125 mm | top                   | 8000 004 007 |
| Volvo B12    | 410 x 125 mm | 125 mm | bottom                | 8000 006 047 |
| Volvo B12    | 410 x 225 mm | 225 mm | top                   | 8000 004 002 |
| Volvo B12    | 410 x 225 mm | 225 mm | bottom                | 8000 006 055 |



### Brake shoe set

Brake size 410 x 225 mm  
Width 225 mm  
Metal thickness 5 mm

| suitable for          | Order no.    |
|-----------------------|--------------|
| Volvo B10B, B10L, B12 | 1597 200 140 |



**WABCO**

### Repair kit for brake shoe roller

Brake system Perrot

| suitable for                                                                                                                                                                        | Order no.    | Comparative no.    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|
| Mercedes-Benz Conecto I (O 345)<br>Setra S 312/315 HD, S 315 HDH/2,<br>S 315/317 HDH/3, S 328 DT, S 315 GT,<br>S 315/317/319 GT-HD, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL | 6370 000 148 | WABCO 12 999 520VT |

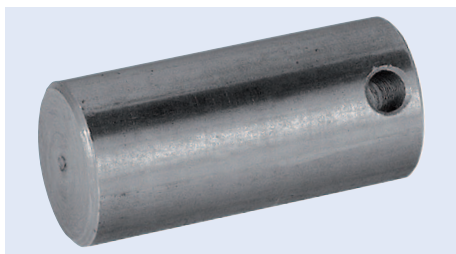


### Repair kit for brake shoe roller

Installation location front axle/rear axle  
Installation side left/right

**Scope of supply**  
1 x brake shoe roller, 1 x roller pin, 2 x O-ring, 1 x retaining ring and 1 x washer

| suitable for                                  | Order no.    |
|-----------------------------------------------|--------------|
| Mercedes-Benz Conecto I (O 345), O 407, O 408 | 1593 103 400 |



### Brake shoe sleeve

|             |       |
|-------------|-------|
| Length      | 56 mm |
| Outer Ø     | 25 mm |
| Bore hole Ø | 6 mm  |

| suitable for                                                        | Order no.           |
|---------------------------------------------------------------------|---------------------|
| <b>Volvo</b> B7F, B7L, B7R, B9TL, B10B, B10L, B10M, B10R, B12, B12M | <b>6170 000 153</b> |

### Accessories

| Description                           | Order no.           |
|---------------------------------------|---------------------|
| Attachment bolt for brake shoe roller | <b>6170 000 151</b> |



### Brake shoe pin

|         |                    |
|---------|--------------------|
| Length  | 102 mm             |
| Outer Ø | 30 mm              |
| Thread  | M12 x 1,5          |
| Surface | hard chrome-plated |

| suitable for                                                                                 | Order no.           |
|----------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                  | <b>1593 001 800</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 404, O 405, O 407, O 408, O 500, Turismo I (O 350) |                     |



### Safety plate for brake shoe pin

| suitable for                                    | Order no.           |
|-------------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)     | <b>1593 102 500</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Turismo | <b>1593 102 400</b> |



### Bearing bush for brake shoe pin

This figure corresponds to 1599 000 900

| suitable for                                | Outer Ø | Inner Ø | Length | Order no.           |
|---------------------------------------------|---------|---------|--------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | 34 mm   | 30 mm   | 48 mm  | <b>1581 000 029</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345)      |         |         |        |                     |
| <b>Scania</b> F/K/N                         | 35 mm   | 31,4 mm | 19 mm  | <b>1599 000 900</b> |



### Sealing ring for brake shoe pin

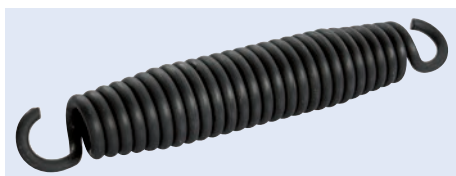
Inner Ø 30 mm  
Thickness 4,5 mm  
Colour green

#### suitable for

**MAN** EL (A12), NG (A11), NL (A10/A15)  
**Mercedes-Benz** Conecto I (O 345)

#### Order no.

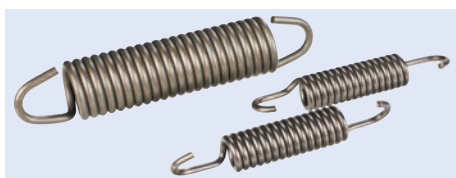
**1593 000 120**



### Reset spring for brake shoe

This figure corresponds to 1500 900 400

| suitable for                                                                              | Installation location | Length | Thickness | Outer Ø | Order no.           |
|-------------------------------------------------------------------------------------------|-----------------------|--------|-----------|---------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N, O 407, O 408 | rear axle             | 240 mm | 4 mm      | 26 mm   | <b>1593 100 300</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345),<br>O 405 N, O 407, O 408                          | rear axle             | 232 mm | 4 mm      | 28 mm   | <b>1593 100 301</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                | front axle            | 240 mm | 4 mm      | 26 mm   | <b>1593 100 100</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                | front axle/rear axle  | 244 mm | 4 mm      | 26 mm   | <b>9466 179 930</b> |
| <b>Volvo</b> B10B, B10M                                                                   |                       | 200 mm | 5,6 mm    | 46 mm   | <b>1599 003 800</b> |
| <b>Volvo</b> B7L, B10B, B10M                                                              |                       | 203 mm | 6 mm      | 37,5 mm | <b>1500 900 400</b> |



### **WABCO** Reset spring set for brake shoes

Contents 2 pieces

| suitable for                                                                                                                                                                                    | Order no.           | Comparative no.    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT,<br>S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | <b>6370 000 073</b> | WABCO 12 999 114VT |





### Brake lining set for drum brake

Brake drum Ø 410 mm

(Illustration similar)

| suitable for                                                                                          | WVA no.      | Lining width | Lining thickness | Order no.           |
|-------------------------------------------------------------------------------------------------------|--------------|--------------|------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 408 | 19579, 19706 | 163 mm       | 18,00 mm         | <b>2119 579 008</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N, O 407, O 408             | 19581, 19707 | 223 mm       | 18,00 mm         | <b>2119 581 008</b> |
| <b>MAN</b> NL (A10)                                                                                   | 19496, 19488 | 223 mm       | 18,30 mm         | <b>2119 488 108</b> |
| <b>Volvo</b> B12                                                                                      | 19068, 19940 | 223 mm       | 18,10 mm         | <b>2119 940 008</b> |



### Brake lining set for drum brake

(Illustration similar)

| suitable for                                                                                                                                                                                                                                                                                                                           | WVA no.             | Lining width | Lining thickness | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> Conecto I (O 345), O 405, O 407, O 408                                                                                                                                                                                                                             | 19579, 19706        | 163 mm       | 18,00 mm         | <b>2119 579 013</b> |
| <b>MAN</b> Lion's Coach, Lion's Comfort, Lion's Star, EL (A12), NG (A11), NL (A10/A15), ÜL<br><b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, O 407, O 408                                                                                                                                                                            | 19581, 19707        | 223 mm       | 18,80 mm         | <b>2119 581 113</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Neoplan</b> Cityliner (N 116), Spaceliner (N 117), Skyliner (N 122), Jetliner (N 208/213), Transliner (N 321)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 313/315/317 UL, S 315/319 UL-GT, SG 321 UL<br><b>VDL</b> Bova Futura | 19699, 19847, 19848 | 220 mm       | 17,55 mm         | <b>2119 847 513</b> |
| <b>Setra</b> S 309 HD                                                                                                                                                                                                                                                                                                                  | 19084, 19855, 19856 | 180 mm       | 17,50 mm         | <b>2119 084 503</b> |
| <b>Setra</b> S 315/317 HDH/3, S 328 DT                                                                                                                                                                                                                                                                                                 | 17742, 17743        | 140 mm       | 16,00 mm         | <b>2117 742 502</b> |
| <b>Volvo</b> B10B, B10M                                                                                                                                                                                                                                                                                                                | 19562, 19563        | 203 mm       | 19,00 mm         | <b>2119 562 503</b> |



**Brake pad rivet  
for drum brake**

This figure corresponds to 2101 082 080

| Standard | Ø       | Length  | Material | Surface           | Order no.           |
|----------|---------|---------|----------|-------------------|---------------------|
| DIN 7338 | 10 mm   | 18 mm   | Steel    | galvanised        | <b>2101 101 880</b> |
| DIN 7338 | 8 mm    | 18 mm   | Steel    | yellow galvanised | <b>2101 081 880</b> |
| DIN 7338 | 8 mm    | 20 mm   | Steel    | yellow galvanised | <b>2101 082 080</b> |
| L10      | 6,35 mm | 16 mm   | Brass    |                   | <b>2101 000 004</b> |
| L12      | 6,35 mm | 19,5 mm | Brass    |                   | <b>2163 519 500</b> |



**Brake pad sensor  
for drum brake**

|                       |                      |
|-----------------------|----------------------|
| Installation location | front axle/rear axle |
| Length                | 195 mm               |
| Height                | 8 mm                 |
| Material              | plastic              |

| suitable for                                | Order no.           | Comparative no. |
|---------------------------------------------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>9881 005 030</b> | Ferodo UAI203   |
| <b>Mercedes-Benz</b> O 405 N, O 408         |                     |                 |



**Warning contact set  
for drum brake**

|                |        |
|----------------|--------|
| Contact length | 200 mm |
|----------------|--------|

| suitable for                      | Order no.           | Comparative no. |
|-----------------------------------|---------------------|-----------------|
| <b>Mercedes-Benz</b> O 407, O 408 | <b>3890 001 055</b> | FTE BZ1055W-SET |



**Brake pad sensor  
for drum brake**

|                       |                      |
|-----------------------|----------------------|
| Installation location | front axle/rear axle |
| Contact length        | 200 mm               |
| Material              | Plastic              |

**series design: 18.9 mm**

| suitable for                                | Order no.           | Comparative no. |
|---------------------------------------------|---------------------|-----------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15) | <b>9881 005 020</b> | FTE BZ1055W     |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408  |                     |                 |



Brake camshaft

This figure corresponds to 5233 010 225

| suitable for                                                                | Installation location | Installation side | Length | Order no.           |
|-----------------------------------------------------------------------------|-----------------------|-------------------|--------|---------------------|
| <b>Heuliez GX 417</b><br><b>Irisbus Axer, Récréo</b>                        |                       | left              | 285 mm | <b>1509 008 050</b> |
| <b>Heuliez GX 417</b><br><b>Irisbus Axer, Récréo</b>                        |                       | right             | 285 mm | <b>1509 008 055</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                                 |                       | left              | 226 mm | <b>5233 010 225</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                                 |                       | right             | 226 mm | <b>5233 010 226</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b><br><b>Mercedes-Benz O 405 N</b> |                       | left              | 541 mm | <b>1593 102 100</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b><br><b>Mercedes-Benz O 405 N</b> |                       | right             | 541 mm | <b>1593 102 200</b> |
| <b>Mercedes-Benz Conecto I (O 345), O 405 N, O 407, O 408</b>               | front axle            | left              | 226 mm | <b>9460 123 312</b> |
| <b>Mercedes-Benz Conecto I (O 345), O 405 N, O 407, O 408</b>               | front axle            | right             | 226 mm | <b>9460 123 313</b> |
| <b>Mercedes-Benz O 407, O 408</b>                                           | rear axle             | left              | 460 mm | <b>9460 124 210</b> |
| <b>Mercedes-Benz O 407, O 408</b>                                           | rear axle             | right             | 460 mm | <b>9460 124 211</b> |
| <b>Mercedes-Benz Touro (O 500)</b>                                          |                       | left              | 290 mm | <b>1325 064 841</b> |
| <b>Mercedes-Benz Touro (O 500)</b>                                          |                       | right             | 290 mm | <b>9461 066 240</b> |
| <b>Volvo B10B, B10M</b>                                                     | front axle            | left              |        | <b>6171 577 453</b> |
| <b>Volvo B10B, B10M</b>                                                     | front axle            | right             |        | <b>6171 577 452</b> |
| <b>Volvo B10B, B10M</b>                                                     | rear axle             | left              |        | <b>6171 577 451</b> |
| <b>Volvo B10B, B10M</b>                                                     | rear axle             | right             |        | <b>6171 577 450</b> |

9

Braking system



Slack adjuster

|                     |                 |
|---------------------|-----------------|
| Version             | automatic       |
| Number of holes     | 1               |
| Toothed hub profile | SAE 1 1/2" 10 C |
| Number of teeth     | 10              |

This figure corresponds to 3400 726 780

| suitable for            | Form                    | Order no.           |
|-------------------------|-------------------------|---------------------|
| <b>Volvo B10B, B10M</b> | left/right offset, 0 mm | <b>3400 726 780</b> |
| <b>Volvo B10B, B10M</b> | left offset, +15 mm     | <b>3400 727 840</b> |
| <b>Volvo B10B, B10M</b> | right offset, -15 mm    | <b>3400 727 850</b> |
| <b>Volvo B10M</b>       | left offset, +15 mm     | <b>3400 727 820</b> |
| <b>Volvo B10M</b>       | right offset, -15 mm    | <b>3400 727 830</b> |
| <b>Volvo B7L, B9TL</b>  | left offset, +50 mm     | <b>3400 079 678</b> |
| <b>Volvo B7L, B9TL</b>  | right offset, -50 mm    | <b>3400 079 677</b> |



This figure corresponds to 9990 001 004

**Slack adjuster**

|                     |                 |
|---------------------|-----------------|
| Version             | automatic       |
| Toothed hub profile | SAE 1 1/2" 10 C |
| Number of teeth     | 10              |

| suitable for        | Form                 | Order no.           |
|---------------------|----------------------|---------------------|
| <b>Scania F/K/N</b> | left offset, +65 mm  | <b>9990 001 002</b> |
| <b>Scania F/K/N</b> | right offset, -65 mm | <b>9990 001 004</b> |



This figure corresponds to 3400 079 637

**Slack adjuster**

|                     |                    |
|---------------------|--------------------|
| Version             | automatic          |
| Number of holes     | 1                  |
| Toothed hub profile | A38 x 34, DIN 5482 |
| Number of teeth     | 19                 |

| suitable for                           | Form                 | Order no.           |
|----------------------------------------|----------------------|---------------------|
| <b>Mercedes-Benz Conecto I (O 345)</b> | left offset, +45 mm  | <b>3400 079 638</b> |
| <b>Mercedes-Benz Conecto I (O 345)</b> | right offset, -45 mm | <b>3400 079 637</b> |



This figure corresponds to 3400 722 110

**Slack adjuster**

|                     |                          |
|---------------------|--------------------------|
| Version             | automatic                |
| Number of holes     | 1                        |
| Toothed hub profile | N42 x 1,5 x 9H, DIN 5480 |
| Number of teeth     | 26                       |

| suitable for                                                  | Form                    | Order no.           |
|---------------------------------------------------------------|-------------------------|---------------------|
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                   | left cropped, +18 mm    | <b>3400 724 560</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                   | right offset, -18 mm    | <b>3400 724 550</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                   | left cropped, +15 mm    | <b>3400 725 130</b> |
| <b>MAN EL (A12), NG (A11), NL (A10/A15)</b>                   | right offset, -15 mm    | <b>3400 725 120</b> |
| <b>Mercedes-Benz Conecto I (O 345), O 405 N, O 407, O 408</b> | left/right offset, 0 mm | <b>3400 720 590</b> |
| <b>Mercedes-Benz O 405 N</b>                                  | left offset, +18 mm     | <b>3400 728 120</b> |
| <b>Mercedes-Benz O 405 N</b>                                  | right offset, -18 mm    | <b>3400 728 110</b> |
| <b>Mercedes-Benz O 407, O 408</b>                             | left offset, +15 mm     | <b>3400 722 120</b> |
| <b>Mercedes-Benz O 407, O 408</b>                             | right offset, -15 mm    | <b>3400 722 110</b> |



This figure corresponds to 3400 079 152

**Slack adjuster**

|                     |               |
|---------------------|---------------|
| Version             | automatic     |
| Number of holes     | 1             |
| Toothed hub profile | BNA 227, Ø 35 |
| Number of teeth     | 27            |

| suitable for                  | Form                   | Order no.           |
|-------------------------------|------------------------|---------------------|
| <b>Fast Scoler II</b>         | left offset, +38 mm    | <b>3400 793 000</b> |
| <b>Fast Scoler II</b>         | right offset, -38 mm   | <b>3400 792 990</b> |
| <b>Fast Scoler II</b>         | left offset, +38 mm    | <b>3400 790 150</b> |
| <b>Fast Scoler II</b>         | right offset, -38 mm   | <b>3400 790 160</b> |
| <b>Irisbus PR180-2</b>        | left offset, +22 mm    | <b>3400 079 153</b> |
| <b>Irisbus PR180-2</b>        | right offset, -22 mm   | <b>3400 079 152</b> |
| <b>Irisbus Agora, Citelis</b> | left offset, +56,2 mm  | <b>3400 079 441</b> |
| <b>Irisbus Agora, Citelis</b> | right offset, -56,2 mm | <b>3400 079 440</b> |



This figure corresponds to 3400 793 050

**Slack adjuster**

|                     |                 |
|---------------------|-----------------|
| Version             | automatic       |
| Number of holes     | 1               |
| Toothed hub profile | SAE 1 1/2" 28 C |
| Number of teeth     | 28              |

| suitable for                | Form                 | Order no.           |
|-----------------------------|----------------------|---------------------|
| <b>Irisbus Arès, Iliade</b> | left offset, +38 mm  | <b>3400 793 050</b> |
| <b>Irisbus Arès, Iliade</b> | right offset, -38 mm | <b>3400 793 040</b> |

**Spacer  
for brake slack adjuster**

|                       |            |
|-----------------------|------------|
| Installation location | front axle |
| Installation side     | left/right |
| Outer Ø               | 58/61 mm   |
| Inner Ø               | 44.5 mm    |
| Thickness             | 3,5 mm     |
| Material              | plastic    |

| suitable for                 | Order no.           |
|------------------------------|---------------------|
| <b>Mercedes-Benz O 405 N</b> | <b>5824 420 243</b> |

**Repair kit  
for brake slack adjuster**

| suitable for                                                           | Order no.           |
|------------------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City, Lion's Classic, EL, SD, ND, NG, NL, NM, SÜ, ÜL | <b>7980 000 176</b> |
| <b>Mercedes-Benz</b> Conecto I (O345), Tourismo I (O 350)              |                     |



# Heating, ventilation, air conditioning





|                                       |         |
|---------------------------------------|---------|
| Axial fan and blower . . . . .        | 512-517 |
| Heating components . . . . .          | 518-520 |
| Air conditioning components . . . . . | 521-526 |



## Axial fan

**SPAL**

Voltage 24 V

(Illustration similar)

| suitable for                                                                                                                                                                                                     | Type              | Version | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------|---------------------|
| <b>MAN</b> Lion's City (A37/A47), Lion's Coach (R07), Lion's Regio (R12/R13)<br><b>Mercedes-Benz</b> O 405 N, Travego I (O 580)<br><b>Setra</b> S 411 HD                                                         | VA01-1BP70/LL36 S | blowing | <b>5131 136 010</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Tourismo II, Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 315 UL,<br>S 415 HD, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/419 UL | VA03-1BP70/LL37 S | blowing | <b>5131 136 060</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> 300 series                                                                                                                                                | VA03-1BP70/LL37 A | sucking | <b>5131 136 050</b> |
| <b>Mercedes-Benz</b> O 405 N, Tourino (O 510), Tourismo I (O 350)                                                                                                                                                | VA01-1BP70/LL43 S | blowing | <b>5131 136 020</b> |
| <b>Solaris</b> Urbino III                                                                                                                                                                                        | VA07-BP12/C58 S   | blowing | <b>9017 003 059</b> |

## Axial fan

| suitable for                                                                               | Order no.           | Comparative no.             |
|--------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's City (A23)                                                               | <b>5239 306 073</b> | MAN 81.77930-6073           |
| <b>MAN</b> Lion's City (A37)                                                               | <b>5239 306 016</b> | MAN 36.77930-6016           |
| <b>MAN</b> NG (A23), NL (A10)                                                              | <b>5231 226 139</b> | MAN 88.73120-6184           |
| <b>MAN</b> NL (A10)                                                                        | <b>5231 226 056</b> | MAN 81.73122-6056           |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                      | <b>9468 300 708</b> | Mercedes-Benz 628 830 07 08 |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530)<br><b>Setra</b> S 415 NF, S 415 UL               | <b>9463 830 470</b> | Mercedes-Benz 003 830 47 08 |
| <b>Mercedes-Benz</b> Intouro II, Tourismo II<br><b>Setra</b> S 415 HD, S 415/416/417 GT-HD | <b>9468 305 108</b> | Mercedes-Benz 003 830 51 08 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                          | <b>5239 306 019</b> | MAN 36.77930-6019           |
| <b>Neoplan</b> Tourliner (N 2216)                                                          | <b>5239 150 539</b> | MAN 83.77915-0539           |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 415 HD, S 415/416/417 HDH                        | <b>9468 354 407</b> | Mercedes-Benz 000 835 44 07 |
| <b>Setra</b> S 416 HDH                                                                     | <b>9468 384 006</b> | Mercedes-Benz 000 838 40 06 |
| <b>Setra</b> S 417 UL                                                                      | <b>9468 306 708</b> | Mercedes-Benz 003 830 67 08 |
| <b>Volvo</b> B7R, B9L, B9R, B10L, B12B, B13R, 7500, 7700, 8500, 9900                       | <b>6171 074 909</b> | Volvo 21074909              |



## Blower for driver platform Application range Interior

| suitable for                                                                                               | Order no.           | Comparative no.   |
|------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47),<br>NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>7063 501 100</b> | MAN 88.28620-6007 |

### Accessories

| Description            | Order no.           | Comparative no.   |
|------------------------|---------------------|-------------------|
| Electric motor for fan | <b>5236 016 123</b> | MAN 81.28601-6123 |

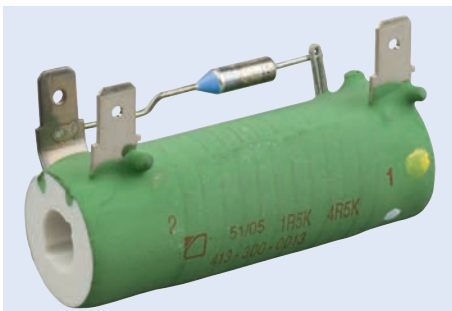


This figure corresponds to 5131 120 124



## Heater Motor for front box

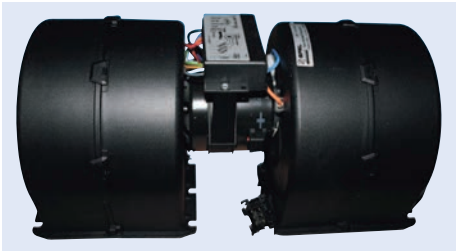
| suitable for                                                                                                         | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A20/A21), NG (A23),<br>NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Skyliner (N 1122) | <b>5131 101 200</b> | Aurora 131-602-0100 |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                                               | <b>5131 120 124</b> | Aurora 131-602-0424 |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                     | <b>5131 100 600</b> | Aurora 131-202-0070 |



## Electrical ballast for Aurora radial blower

Type DRG 730/825/975/1200  
Version 3-stage  
Voltage 24 V

| suitable for                                                                                                                                                                   | Order no.           | Comparative no.     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A78)<br><b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Neoplan</b> Centroliner (N 45XX),<br>Skyliner (2011-), Tourliner (N 2216),<br>Trendliner (N 3516) | <b>5131 100 013</b> | Aurora 413-300-0013 |



Heater Motor  
SPAL

This figure corresponds to 5131 136 080

| suitable for                                                                                                                                                                                                                                                               | Type            | Version                                  | Order no.                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------|----------------------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13)<br><b>Neoplan</b> Trendliner (N 3516)                                                                                                                                                                                | 008-B46-02      |                                          | <b>9017 003 086</b>              |
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Conecto I (O 345)<br><b>Setra</b> S 415 NF                                                                                                                                                                                       | 008-B45/I/02    |                                          | <sup>1</sup> <b>2552 045 000</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo I (O 350)                                                                                                                                                                                                                  | 006-B40-22      |                                          | <b>5131 136 110</b>              |
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Integro II (O 550),<br>Intouro II, Tourismo II, Travego I/II (O 580)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL | 009-B40/T/IE-22 | for roof-mounted air-conditioning system | <sup>1</sup> <b>5131 136 080</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Solaris</b> Urbino III                                                                                                                                                                                                        | 008-B45-02      | for convector heating                    | <b>9017 003 085</b>              |
| <b>Mercedes-Benz</b> Tourismo I (O 350), Travego I (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF,<br>S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                                                                    | 006-B50 IE/22   | for front box                            | <sup>1</sup> <b>5131 136 120</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL                                                                                                                                                                        | 009-B40 22 3ST  | for roof-mounted air-conditioning system | <sup>1</sup> <b>5131 136 105</b> |

<sup>1</sup> electronic control

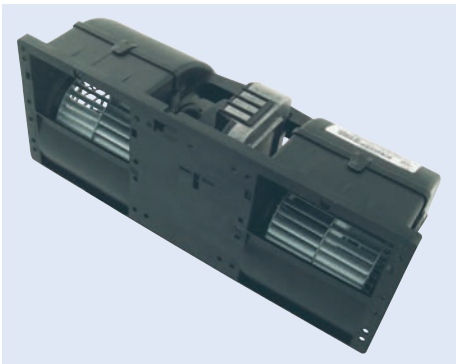
10

Heating, ventilation, air conditioning



Interference suppressor element  
for radial fans SPAL

| Order no.           |
|---------------------|
| <b>4300 000 003</b> |



Heater Motor  
EBM

electronically controlled, new brushless design

|         |                                    |
|---------|------------------------------------|
| Type    | K3G097AK3443EBM                    |
| Version | for front box and air conditioning |

| suitable for                                                                                                                                                            | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II (O 530), Tourino (O 510)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-),<br>Tourliner (N 2216)<br><b>Setra</b> S 415 NF | <b>2552 009 700</b> |

(Illustration similar)



Heater Motor

This figure corresponds to 5239 306 050

| suitable for                                                                            | Order no.           | Comparative no.             |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's City (A37)<br><b>Neoplan</b> Centroliner (N 45XX)                     | <b>5239 306 050</b> | MAN 81.77930-6050           |
| <b>Mercedes-Benz</b> Conecto I (O 345), O 405 N, Tourino (O 510),<br>Tourismo I (O 350) | <b>3880 879 023</b> | Mercedes-Benz 002 830 04 08 |
| <b>Mercedes-Benz</b> O 405 N, O 408                                                     | <b>9100 740 870</b> | Mercedes-Benz 001 830 86 08 |

## Heater Motor

| suitable for                                                                                                                                               | Order no.           | Comparative no.             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Arway, Citelis, Citelis CNG, Crossway LE, Récréo II                                                                                         | <b>2591 835 885</b> | Irisbus 5001835885          |
| <b>Irisbus</b> Arway, Citelis, Crossway LE                                                                                                                 | <b>2590 206 147</b> | Irisbus 5010206147          |
| <b>Irisbus</b> Arway, Crossway LE, Récréo II                                                                                                               | <b>2596 020 915</b> | Irisbus 5006020915          |
| <b>Iveco</b> CityClass                                                                                                                                     | <b>2599 459 446</b> | Iveco 99459446              |
| <b>MAN</b> Lion's City (A20)<br><b>Neoplan</b> Skyliner (2011-)                                                                                            | <b>5239 306 088</b> | MAN 81.77930-6088           |
| <b>MAN</b> Lion's City (A23)                                                                                                                               | <b>5239 306 074</b> | MAN 81.77930-6074           |
| <b>MAN</b> Lion's City (A37/A47)                                                                                                                           | <b>5233 060 890</b> | MAN 81.77930-6089           |
| <b>MAN</b> Lion's City (A37)                                                                                                                               | <b>5239 306 091</b> | MAN 81.77930-6091           |
| <b>MAN</b> Lion's City (A78)                                                                                                                               | <b>5239 306 076</b> | MAN 81.77930-6076           |
| <b>MAN</b> Lion's Classic Ü (A72)                                                                                                                          | <b>5239 306 506</b> | MAN 83.77930-6506           |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216),<br>Trendliner (N 3516) | <b>5239 306 079</b> | MAN 81.77930-6079           |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12/R13)<br><b>Neoplan</b> Starliner (N 52XX), Trendliner (N 3516)                                            | <b>5239 306 517</b> | MAN 83.77930-6517           |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                                    | <b>5239 306 513</b> | MAN 83.77930-6513           |
| <b>MAN</b> NG (A11/A23), NL (A10/A15)                                                                                                                      | <b>5239 306 047</b> | MAN 81.77930-6047           |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)<br><b>Setra</b> S 415 HD, S 417 GT-HD                                                                               | <b>9468 305 208</b> | Mercedes-Benz 003 830 52 08 |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                                                                                     | <b>9468 307 208</b> | Mercedes-Benz 002 830 72 08 |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                                                                                     | <b>9468 309 108</b> | Mercedes-Benz 002 830 91 08 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                       | <b>9468 301 908</b> | Mercedes-Benz 003 830 19 08 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                                                    | <b>9468 304 708</b> | Mercedes-Benz 002 830 47 08 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                                          | <b>5239 306 084</b> | MAN 81.77930-6084           |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                         | <b>5239 306 064</b> | MAN 81.77930-6064           |
| <b>Setra</b> S 315 UL, S 415/417 UL                                                                                                                        | <b>9468 356 507</b> | Mercedes-Benz 000 835 65 07 |
| <b>Setra</b> S 416 HDH                                                                                                                                     | <b>9468 306 208</b> | Mercedes-Benz 003 830 62 08 |
| <b>Volvo</b> B5LH, 7700                                                                                                                                    | <b>6171 427 047</b> | Volvo 21427047              |
| <b>Volvo</b> B5LH, B7R, B9L, B10L, B12B, B13R, 7500, 7700, 8500, 8700, 9700, 9900                                                                          | <b>6170 746 872</b> | Volvo 20746872              |
| <b>Volvo</b> B5LH, B7R, B9L, B13R, 7500, 7700, 8500, 9900                                                                                                  | <b>6171 265 855</b> | Volvo 21265855              |
| <b>Volvo</b> B5LH, B9L, 7700                                                                                                                               | <b>6171 609 223</b> | Volvo 21609223              |
| <b>Volvo</b> B7R, B9L, B9R, B12B, B12R, B13R, 8500, 7500, 7700, 9700, 9900                                                                                 | <b>6175 104 931</b> | Volvo 85104931              |
| <b>Volvo</b> B9L, 7700                                                                                                                                     | <b>6171 609 224</b> | Volvo 21609224              |

## Electrical ballast

### For radial fans

| suitable for                                           | Order no.           | Comparative no.             |
|--------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Arway, Citelis CNG, Crossway LE         | <b>2591 835 893</b> | Irisbus 5001835893          |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), NG (A23) | <b>5239 070 289</b> | MAN 81.25907-0289           |
| <b>Neoplan</b> Centroliner (N 45XX)                    |                     |                             |
| <b>Mercedes-Benz</b> Travego I (O 580)                 | <b>9468 357 036</b> | Mercedes-Benz 000 835 82 36 |
| <b>Volvo</b> B12B, 9700                                | <b>6170 331 154</b> | Volvo 70331154              |



## Blower motor

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Version    | under chair blower                                                   |
| Connection | 1 x female spade connector + 1 x male spade connector (6.3 x 0.8 mm) |
| Length     | 62,5/103 mm                                                          |
| Ø          | 147 mm                                                               |
| Voltage    | 24 V                                                                 |

| suitable for                      | Order no.           | Comparative no.             |
|-----------------------------------|---------------------|-----------------------------|
| <b>MAN</b> NL (A10), NÜ (A20)     | <b>7060 330 152</b> | Mercedes-Benz 001 830 60 08 |
| <b>Neoplan</b> Tourliner (N 2216) |                     |                             |

10

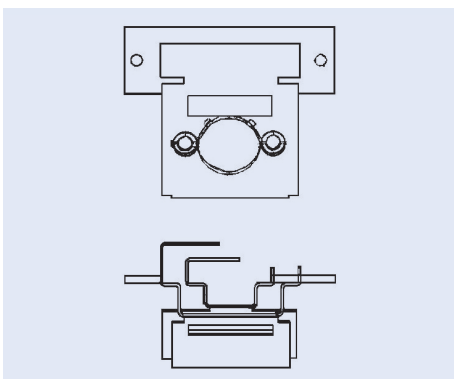
Heating, ventilation, air conditioning



## Blower motor for front heating

|         |                            |
|---------|----------------------------|
| Version | with integrated controller |
| Length  | 376 mm                     |
| Voltage | 24 V                       |

| suitable for                        | Order no.           | Comparative no.       |
|-------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 405 N, O 408 | <b>9100 741 000</b> | Hella 8EW 009 158-571 |



## Electrical ballast for interior blower

**Application range**  
for vehicles without air-conditioning system

| suitable for                        | Order no.           | Comparative no.       |
|-------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407 | <b>9261 332 071</b> | Hella 9ML 351 332-071 |

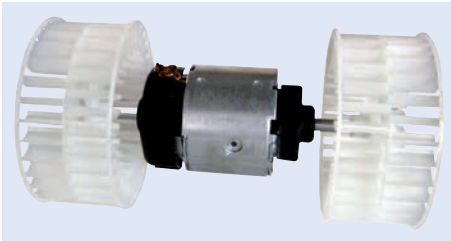




## Electrical ballast for interior blower

Voltage 24 V

| suitable for                               | Order no.           | Comparative no.       |
|--------------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | <b>0351 332 021</b> | Hella 9ML 351 332-021 |



## Blower motor

Voltage 24 V

| suitable for                               | Version           | Order no.           |
|--------------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407        | for front heating | <b>9100 740 910</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | Interior          | <b>9107 421 100</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | for floor heating | <b>9100 740 290</b> |
| <b>Mercedes-Benz</b> O 408                 | for interior      | <b>9100 742 840</b> |

This figure corresponds to 9107 421 100

## Blower motor

| suitable for                           | Order no.           | Comparative no.             |
|----------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro C2 (O 530) | <b>9468 307 508</b> | Mercedes-Benz 003 830 75 08 |
| <b>Neoplan</b> Tourliner (N 2216)      | <b>5239 300 004</b> | MAN 81.77930-0004           |

10

Heating, ventilation, air conditioning



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**Heat exchanger  
for interior heating**

This figure corresponds to 9100 139 390

| suitable for                                                                                                                                                                    | Length | Width  | Height             | Order no.           | Comparative no.       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II, Tourismo II, Travego II<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 417/419 UL | 540 mm | 260 mm | 64 mm              | <b>0351 394 001</b> | Hella 8FH 351 394-001 |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                                    | 370 mm | 189 mm | 42 mm              | <b>9100 139 810</b> | Hella 8FH 351 312-601 |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                               | 170 mm | 152 mm | 42 mm <sup>1</sup> | <b>9100 139 390</b> | Hella 8FH 351 312-731 |
| <b>Mercedes-Benz</b> O 408                                                                                                                                                      | 372 mm | 229 mm | 40 mm <sup>1</sup> | <b>9100 139 500</b> | Hella 8FH 351 312-711 |

<sup>1</sup> for vehicles without air-conditioning system



**Heat exchanger  
for interior heating**

| suitable for                                                    | Length | Width  | Height | Order no.           |
|-----------------------------------------------------------------|--------|--------|--------|---------------------|
| <b>Irisbus</b> Arway, Axer, Citelis, Iliade, Magelys, Récréo II | 407 mm | 178 mm | 38 mm  | <b>3880 399 000</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345)                          | 450 mm | 190 mm | 48 mm  | <b>9100 139 009</b> |
| <b>Neoplan</b> Trendliner (N 3516)                              | 360 mm | 166 mm | 180 mm | <b>9850 067 079</b> |

## Heat exchanger for interior heating

| suitable for                                                                                                                       | Order no.           | Comparative no.             |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Arway                                                                                                               | <b>2591 304 662</b> | Irisbus 5801304662          |
| <b>Irisbus</b> Arway                                                                                                               | <b>2593 138 313</b> | Irisbus 503138313           |
| <b>Irisbus</b> Crossway LE                                                                                                         | <b>2590 023 205</b> | Irisbus 500023205           |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47), NG (A23)<br><b>Neoplan</b> Centroliner (N 45XX)                                      | <b>5239 036 080</b> | MAN 88.77903-6080           |
| <b>MAN</b> Lion's City (A20), NL (A21)                                                                                             | <b>5239 030 040</b> | MAN 81.77903-0040           |
| <b>MAN</b> Lion's City (A21/A37)<br><b>Neoplan</b> Centroliner (N 45XX)                                                            | <b>5230 313 597</b> | MAN 81.77903-6101           |
| <b>MAN</b> Lion's City (A37/A47)                                                                                                   | <b>5239 036 181</b> | MAN 36.77903-6181           |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX), Tourliner (N 2216) | <b>5239 036 121</b> | MAN 81.77903-6121           |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                            | <b>5239 036 625</b> | MAN 83.77903-6625           |
| <b>MAN</b> Lion's Regio (R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                            | <b>5239 036 117</b> | MAN 81.77903-6117           |
| <b>MAN</b> NG (A23)                                                                                                                | <b>5239 036 116</b> | MAN 81.77903-6116           |
| <b>MAN</b> NL (A10), NÜ (A20)                                                                                                      | <b>5239 206 094</b> | MAN 81.77920-6094           |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                                                                                             | <b>9468 302 320</b> | Mercedes-Benz 001 830 23 20 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                              | <b>9468 305 461</b> | Mercedes-Benz 004 830 54 61 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                              | <b>9468 305 361</b> | Mercedes-Benz 004 830 53 61 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                              | <b>9468 356 401</b> | Mercedes-Benz 003 835 64 01 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                              | <b>9468 355 201</b> | Mercedes-Benz 003 835 52 01 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                             | <b>9468 307 720</b> | Mercedes-Benz 000 830 77 20 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                                                             | <b>9468 359 201</b> | Mercedes-Benz 003 835 92 01 |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                                                             | <b>9468 307 061</b> | Mercedes-Benz 004 830 70 61 |
| <b>Mercedes-Benz</b> Integro II (O 550), Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 415/416/417 GT-HD, S 415/419 UL         | <b>9469 835 110</b> | Mercedes-Benz 629 835 11 01 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                               | <b>9468 354 201</b> | Mercedes-Benz 003 835 42 01 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                               | <b>9468 300 420</b> | Mercedes-Benz 444 830 04 20 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                            | <b>9468 350 201</b> | Mercedes-Benz 003 835 02 01 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                            | <b>9468 350 101</b> | Mercedes-Benz 003 835 01 01 |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                                                                                            | <b>9468 354 001</b> | Mercedes-Benz 003 835 40 01 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                             | <b>9468 308 361</b> | Mercedes-Benz 004 830 83 61 |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                | <b>5239 036 122</b> | MAN 81.77903-6122           |
| <b>Neoplan</b> Centroliner (N 45XX)                                                                                                | <b>5239 036 120</b> | MAN 81.77903-6120           |
| <b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122)                                                                               | <b>5235 600 068</b> | MAN 81.32560-0068           |
| <b>Setra</b> S 431 DT                                                                                                              | <b>9468 358 501</b> | Mercedes-Benz 003 835 85 01 |
| <b>Volvo</b> B5LH, 7700                                                                                                            | <b>6175 104 284</b> | Volvo 85104284              |
| <b>Volvo</b> B5LH, B9L, B13R, 7700, 9900                                                                                           | <b>6171 561 343</b> | Volvo 21561343              |
| <b>Volvo</b> B7R, 7500, 8500                                                                                                       | <b>6170 331 022</b> | Volvo 70331022              |
| <b>Volvo</b> B9L, 7700                                                                                                             | <b>6171 609 230</b> | Volvo 21609230              |

## Heater array for heat exchanger

**Application range**  
roof air conditioning system

| suitable for                           | Installation side | Order no.           | Comparative no.             |
|----------------------------------------|-------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530) | left              | <b>9468 307 120</b> | Mercedes-Benz 000 830 71 20 |
| <b>Mercedes-Benz</b> Citaro II (O 530) | right             | <b>9468 307 320</b> | Mercedes-Benz 000 830 73 20 |

## Heating valve

| suitable for                            | Order no.           | Comparative no.             |
|-----------------------------------------|---------------------|-----------------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | <b>9468 350 272</b> | Mercedes-Benz 613 835 02 72 |
| <b>Neoplan</b> Centroliner (N 45XX)     | <b>5230 314 161</b> | MAN 81.77962-0035           |
| <b>Volvo</b> B13R, 9900                 | <b>6170 980 975</b> | Volvo 20980975              |



## Recirculating pump with magnetic filter

Voltage 24 V

| Type   | Order no.           |
|--------|---------------------|
| U 4814 | <b>4301 028 055</b> |
| U 4851 | <b>9197 290 397</b> |
| U 4855 | <b>3850 027 402</b> |
| U 4856 | <b>3850 027 403</b> |

This figure corresponds to 9197 290 397

## Service parts

| Description                                    | Order no.           |
|------------------------------------------------|---------------------|
| Repair kit, for circulation pump U 4814/U 4855 | <b>9197 009 700</b> |







## Air-conditioning compressor

|                            |                     |
|----------------------------|---------------------|
| Capacity                   | 655 cm <sup>3</sup> |
| Manufacturer's restriction | Bock                |
| Length                     | 460 mm              |
| Width                      | 430 mm              |
| Height                     | 400 mm              |

| suitable for                                                                        | Order no.           |
|-------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II/C2 (O 530), Conecto I (O 345),<br>Tourismo I (O 350) | <b>9100 851 527</b> |
| <b>Setra</b> S 315/317/319 GT-HD, SG 321 UL, S 415 HD,<br>S 415/417 HDH, S 415 NF   |                     |



## Air-conditioning compressor

This figure corresponds to 6171 112 410

| suitable for                                            | Order no.           | Comparative no.             |
|---------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Crossway LE                              | <b>2594 144 328</b> | Irisbus 504144328           |
| <b>Irisbus</b> Magelys HD                               | <b>2594 230 303</b> | Irisbus 504230303           |
| <b>MAN</b> Lion's City (A23)                            | <b>5239 706 068</b> | MAN 88.77970-6068           |
| <b>MAN</b> Lion's City (A23)                            | <b>5239 706 073</b> | MAN 81.77970-6073           |
| <b>MAN</b> Lion's City (A78)                            | <b>5239 706 052</b> | MAN 88.77970-6052           |
| <b>Neoplan</b> Trendliner (N 3516)                      |                     |                             |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12)   | <b>5239 706 071</b> | MAN 88.77970-6071           |
| <b>Neoplan</b> Trendliner (N 3516)                      |                     |                             |
| <b>MAN</b> NG (A23)                                     | <b>5239 700 009</b> | MAN 81.77970-0009           |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                  | <b>9461 306 315</b> | Mercedes-Benz 457 130 63 15 |
| <b>Setra</b> S 415 NF                                   |                     |                             |
| <b>Mercedes-Benz</b> Citaro II (O 530)                  | <b>9468 353 003</b> | Mercedes-Benz 000 835 30 03 |
| <b>Mercedes-Benz</b> Citaro II (O 530)                  | <b>9468 309 360</b> | Mercedes-Benz 629 830 93 60 |
| <b>Setra</b> S 416/417 HDH                              |                     |                             |
| <b>Mercedes-Benz</b> Integro II (O 550), Tourismo II    | <b>9468 350 003</b> | Mercedes-Benz 632 835 00 03 |
| <b>Setra</b> S 315 UL, S 415/416 GT-HD, S 415 UL        |                     |                             |
| <b>Mercedes-Benz</b> Intouro II                         | <b>9468 301 060</b> | Mercedes-Benz 633 830 10 60 |
| <b>Mercedes-Benz</b> Tourino (O 510)                    | <b>9468 305 060</b> | Mercedes-Benz 002 830 50 60 |
| <b>Mercedes-Benz</b> Tourino (O 510), Travego I (O 580) | <b>9469 830 946</b> | Mercedes-Benz 629 830 94 60 |
| <b>Setra</b> S 411 HD                                   |                     |                             |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                 | <b>9468 301 660</b> | Mercedes-Benz 002 830 16 60 |
| <b>Mercedes-Benz</b> Tourismo II                        | <b>9468 350 103</b> | Mercedes-Benz 632 835 01 03 |
| <b>Setra</b> S 416/417 GT-HD, S 417/419 UL              |                     |                             |
| <b>Mercedes-Benz</b> Travego II                         | <b>9468 306 060</b> | Mercedes-Benz 001 830 60 60 |
| <b>Setra</b> S 417 GT-HD                                |                     |                             |
| <b>Neoplan</b> Centroliner (N 45XX)                     | <b>5239 700 007</b> | MAN 81.77970-0007           |
| <b>Neoplan</b> Cityliner (N 12XX)                       | <b>5239 706 037</b> | MAN 36.77970-6037           |
| <b>Neoplan</b> Skyliner (N 1122)                        | <b>5239 706 017</b> | MAN 36.77970-6017           |
| <b>Neoplan</b> Starliner (N 52XX)                       | <b>5237 970 607</b> | MAN 81.77970-6076           |
| <b>Neoplan</b> Tourliner (N 2216)                       | <b>5239 706 510</b> | MAN 83.77970-6510           |

Continued on the next page ...

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| suitable for                 | Order no.           | Comparative no.             |
|------------------------------|---------------------|-----------------------------|
| <b>Setra</b> S 415 HD        | <b>9468 309 160</b> | Mercedes-Benz 629 830 91 60 |
| <b>Setra</b> S 416 GT-HD/2   | <b>9468 303 760</b> | Mercedes-Benz 632 835 02 03 |
| <b>Setra</b> S 417 HDH       | <b>9468 305 660</b> | Mercedes-Benz 629 830 56 60 |
| <b>Setra</b> S 431 DT        | <b>9460 830 166</b> | Mercedes-Benz 410 830 16 60 |
| <b>Volvo</b> B5LH, B9L, 7700 | <b>6171 167 994</b> | Volvo 21167994              |
| <b>Volvo</b> B7R, 7500, 8500 | <b>6171 112 430</b> | Volvo 21112430              |
| <b>Volvo</b> B9L, 7700       | <b>6170 305 223</b> | Volvo 70305223              |
| <b>Volvo</b> B9L, 7700       | <b>6171 112 410</b> | Volvo 21112410              |



**Dryer**  
for air-conditioning system

This figure corresponds to 9468 300 058

| suitable for                                                | Order no.           | Comparative no.             |
|-------------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Crossway LE                                  | <b>2593 128 416</b> | Irisbus 503128416           |
| <b>Irisbus</b> Magelys HD                                   | <b>2593 137 262</b> | Irisbus 503137262           |
| <b>MAN</b> Lion's City (A23)                                | <b>5239 726 049</b> | MAN 81.77972-6049           |
| <b>MAN</b> Lion's City (A37/A47)                            | <b>5239 100 533</b> | MAN 83.77910-0533           |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12), NG (A23) | <b>5239 720 149</b> | MAN 81.77972-0149           |
| <b>Neoplan</b> Starliner (N 52XX), Trendliner (N 3516)      |                     |                             |
| <b>Mercedes-Benz</b> Citaro C2 (O 530), Intouro II          | <b>9468 352 047</b> | Mercedes-Benz 000 834 35 69 |
| <b>Setra</b> S 415/416/417 GT-HD, S 419 UL                  |                     |                             |
| <b>Mercedes-Benz</b> Citaro II (O 530)                      | <b>9468 356 547</b> | Mercedes-Benz 001 835 65 47 |
| <b>Mercedes-Benz</b> O 405 N                                | <b>9468 355 871</b> | Mercedes-Benz 000 835 48 71 |
| <b>Mercedes-Benz</b> Travego I (O 580)                      | <b>9468 300 058</b> | Mercedes-Benz 627 830 00 58 |
| <b>Setra</b> S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL   |                     |                             |
| <b>Neoplan</b> Centroliner (N 45XX)                         | <b>5239 716 175</b> | MAN 81.77971-6175           |
| <b>Setra</b> S 431 DT                                       | <b>9468 306 158</b> | Mercedes-Benz 001 830 61 58 |
| <b>Volvo</b> B5LH, 7700                                     | <b>6171 426 472</b> | Volvo 21426472              |
| <b>Volvo</b> B9L, 7700                                      | <b>6170 588 653</b> | Volvo 20588653              |
| <b>Volvo</b> B9L, B9R, B12B, 7700, 9700                     | <b>6170 924 614</b> | Volvo 20924614              |

Please note our article on the subject of air conditioning service starting on page 655.





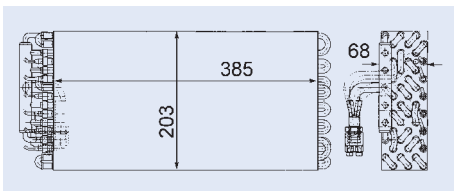
## Dryer

This figure corresponds to 9020 000 305

| suitable for                                                                                                                                                                                                                                            | Version                             | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Integro II (O 550), Tourino (O 510), Turismo I/II (O 350)<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (N 1122/2011-), Tourliner (N 2216)<br><b>Setra</b> S 315 UL, S 415 NF, S 415/419 UL | connection with O-ring              | <b>9020 000 305</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411 HD                                                                                                                                                                                         | connection with copper sealing ring | <b>9020 003 050</b> |

## Refrigerant collector for roof air-conditioning system

| suitable for                    | Order no.           | Comparative no.             |
|---------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's Coach (R07)   | <b>5239 710 089</b> | MAN 81.77971-0089           |
| <b>Mercedes-Benz</b> Turismo II | <b>9468 304 283</b> | Mercedes-Benz 000 830 42 83 |



## Evaporator

|         |                         |
|---------|-------------------------|
| Version | without expansion valve |
| Length  | 385 mm                  |
| Width   | 203 mm                  |
| Depth   | 68 mm                   |

| suitable for                           | Order no.           | Comparative no.       |
|----------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Turismo I (O 350) | <b>9100 821 020</b> | Hella 8FV 351 330-101 |

## Evaporator for air-conditioning

| suitable for                                                                               | Order no.           | Comparative no.             |
|--------------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>MAN</b> Lion's City (A20)<br><b>Neoplan</b> Centroliner (N 45XX)                        | <b>5239 530 018</b> | MAN 81.77953-0018           |
| <b>MAN</b> Lion's City (A21)                                                               | <b>5239 530 012</b> | MAN 81.77953-0012           |
| <b>MAN</b> Lion's City (A23)                                                               | <b>5239 716 081</b> | MAN 81.77971-6081           |
| <b>MAN</b> Lion's City (A23)                                                               | <b>5239 530 010</b> | MAN 81.77953-0010           |
| <b>MAN</b> Lion's City (A37/A47)                                                           | <b>5239 536 016</b> | MAN 81.77953-6016           |
| <b>MAN</b> Lion's City (A37/A47)                                                           | <b>5239 536 017</b> | MAN 81.77953-6017           |
| <b>MAN</b> Lion's City (A37)                                                               | <b>5239 530 022</b> | MAN 81.77953-0022           |
| <b>MAN</b> Lion's Coach (R07)                                                              | <b>5239 530 025</b> | MAN 81.77953-0025           |
| <b>MAN</b> Lion's Coach (R07)                                                              | <b>5239 530 024</b> | MAN 81.77953-0024           |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12)                                          | <b>5239 720 606</b> | MAN 83.77972-0606           |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12)                                          | <b>5239 720 607</b> | MAN 83.77972-0607           |
| <b>MAN</b> Lion's Coach (R07)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)    | <b>5239 536 505</b> | MAN 83.77953-6505           |
| <b>MAN</b> Lion's Regio (R13)<br><b>Neoplan</b> Cityliner (N 12XX)                         | <b>5239 536 008</b> | MAN 81.77953-6008           |
| <b>MAN</b> NG (A23)                                                                        | <b>5239 536 010</b> | MAN 81.77953-6010           |
| <b>MAN</b> NG (A23)                                                                        | <b>5239 716 083</b> | MAN 81.77971-6083           |
| <b>MAN</b> NG (A23)                                                                        | <b>5239 536 007</b> | MAN 81.77953-6007           |
| <b>MAN</b> NG (A23)                                                                        | <b>5239 716 157</b> | MAN 81.77971-6157           |
| <b>MAN</b> NG (A23)                                                                        | <b>5239 716 156</b> | MAN 81.77971-6156           |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                                                     | <b>9468 304 158</b> | Mercedes-Benz 002 830 41 58 |
| <b>Mercedes-Benz</b> Citaro II (O 530), Turismo II<br><b>Setra</b> S 415 NF                | <b>9468 309 958</b> | Mercedes-Benz 001 830 99 58 |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 315 UL, S 415 NF                  | <b>9468 300 158</b> | Mercedes-Benz 002 830 01 58 |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 315 UL, S 415 NF                  | <b>9468 300 358</b> | Mercedes-Benz 002 830 03 58 |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 415/416 GT-HD, S 415 UL           | <b>9468 300 558</b> | Mercedes-Benz 002 830 05 58 |
| <b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Setra</b> S 415 NF                            | <b>9468 309 858</b> | Mercedes-Benz 001 830 98 58 |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                     | <b>9468 305 958</b> | Mercedes-Benz 001 830 59 58 |
| <b>Mercedes-Benz</b> Intouro II                                                            | <b>9468 354 974</b> | Mercedes-Benz 000 835 49 74 |
| <b>Mercedes-Benz</b> Intouro II<br><b>Setra</b> S 415/416 GT-HD, S 412/415/417/419 UL      | <b>9468 354 674</b> | Mercedes-Benz 000 835 46 74 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                       | <b>9468 309 358</b> | Mercedes-Benz 001 830 93 58 |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                     | <b>9468 301 158</b> | Mercedes-Benz 001 830 11 58 |
| <b>Mercedes-Benz</b> Turismo I (O 350)                                                     | <b>9468 307 258</b> | Mercedes-Benz 000 830 72 58 |
| <b>Mercedes-Benz</b> Turismo II<br><b>Setra</b> S 416 GT, S 415/417/419 UL                 | <b>9468 300 458</b> | Mercedes-Benz 002 830 04 58 |
| <b>Mercedes-Benz</b> Turismo II<br><b>Setra</b> S 416 GT, S 415/417/419 UL                 | <b>9462 830 005</b> | Mercedes-Benz 002 830 00 58 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                     | <b>9468 304 458</b> | Mercedes-Benz 001 830 44 58 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD                        | <b>9468 303 458</b> | Mercedes-Benz 001 830 34 58 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 415 GT, S 416 GT-HD | <b>9468 354 574</b> | Mercedes-Benz 000 835 45 74 |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 416 GT-HD           | <b>9468 354 874</b> | Mercedes-Benz 000 835 48 74 |

Continued on the next page ...

... continued from the previous page

| suitable for                                   | Order no.           | Comparative no.             |
|------------------------------------------------|---------------------|-----------------------------|
| <b>Neoplan</b> Cityliner (N 12XX)              | <b>5239 530 020</b> | MAN 81.77953-0020           |
| <b>Neoplan</b> Cityliner (N 12XX)              | <b>5239 530 021</b> | MAN 81.77953-0021           |
| <b>Neoplan</b> Skyliner (N 1122)               | <b>5239 536 018</b> | MAN 81.77953-6018           |
| <b>Neoplan</b> Starliner (N 52XX)              | <b>5239 530 013</b> | MAN 81.77953-0013           |
| <b>Neoplan</b> Tourliner (N 2216)              | <b>5239 536 506</b> | MAN 83.77953-6506           |
| <b>Neoplan</b> Tourliner (N 2216)              | <b>5239 536 507</b> | MAN 83.77953-6507           |
| <b>Setra</b> S 411/415 HD, S 415/416/417 GT-HD | <b>9468 302 158</b> | Mercedes-Benz 002 830 21 58 |
| <b>Setra</b> S 411 HD                          | <b>9468 352 874</b> | Mercedes-Benz 000 835 28 74 |
| <b>Setra</b> S 411 HD                          | <b>9468 352 974</b> | Mercedes-Benz 000 835 29 74 |
| <b>Setra</b> S 416 GT-HD/2                     | <b>9468 356 174</b> | Mercedes-Benz 000 835 61 74 |
| <b>Setra</b> S 416 HDH                         | <b>9468 306 160</b> | Mercedes-Benz 002 830 61 60 |
| <b>Setra</b> S 416 HDH                         | <b>9468 343 260</b> | Mercedes-Benz 629 830 14 60 |
| <b>Volvo</b> B13R, 9900                        | <b>6171 332 916</b> | Volvo 21332916              |
| <b>Volvo</b> B9L, 7700                         | <b>6171 069 023</b> | Volvo 21069023              |
| <b>Volvo</b> B9L, B12B, 7700                   | <b>6171 069 022</b> | Volvo 21069022              |

## Condenser for air-conditioning

| suitable for                                                                          | Order no.           | Comparative no.             |
|---------------------------------------------------------------------------------------|---------------------|-----------------------------|
| <b>Irisbus</b> Magelys HD                                                             | <b>2593 137 266</b> | Irisbus 503137266           |
| <b>MAN</b> Lion's City (A23)                                                          | <b>5239 690 011</b> | MAN 81.77969-0011           |
| <b>MAN</b> Lion's City (A37/A47)                                                      | <b>5239 690 003</b> | MAN 83.77969-0003           |
| <b>MAN</b> Lion's Coach (R07), Lion's Regio (R12)                                     | <b>5239 690 001</b> | MAN 83.77969-0001           |
| <b>Mercedes-Benz</b> Citaro II (O 530)                                                | <b>9468 309 370</b> | Mercedes-Benz 000 830 93 70 |
| <b>Setra</b> S 415/416 NF                                                             |                     |                             |
| <b>Mercedes-Benz</b> Conecto I (O 345)                                                | <b>9468 300 270</b> | Mercedes-Benz 671 830 02 70 |
| <b>Mercedes-Benz</b> Integro II (O 550)                                               | <b>9468 309 070</b> | Mercedes-Benz 000 830 90 70 |
| <b>Setra</b> S 416 GT, S 415 NF, S 416 UL                                             |                     |                             |
| <b>Mercedes-Benz</b> O 405 N                                                          | <b>9468 303 870</b> | Mercedes-Benz 000 830 38 70 |
| <b>Mercedes-Benz</b> O 405 N                                                          | <b>9468 303 970</b> | Mercedes-Benz 000 830 39 70 |
| <b>Mercedes-Benz</b> Tourismo II                                                      | <b>9468 308 970</b> | Mercedes-Benz 000 830 89 70 |
| <b>Setra</b> S 415/416 GT-HD                                                          |                     |                             |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                | <b>9468 306 670</b> | Mercedes-Benz 000 830 66 70 |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                | <b>9461 830 725</b> | Mercedes-Benz 001 830 72 58 |
| <b>Setra</b> S 411/415 HD, S 415/416 GT-HD                                            |                     |                             |
| <b>Mercedes-Benz</b> Travego II                                                       | <b>9468 307 170</b> | Mercedes-Benz 000 830 71 70 |
| <b>Setra</b> S 411/415 HD, S 415/416/417 HDH, S 431 DT, S 415/416 GT, S 415/416 GT-HD |                     |                             |
| <b>Neoplan</b> Cityliner (N 12XX)                                                     | <b>5239 690 015</b> | MAN 81.77969-0015           |
| <b>Neoplan</b> Cityliner (N 12XX)                                                     | <b>5239 690 000</b> | MAN 36.77969-0000           |
| <b>Neoplan</b> Skyliner (N 1122)                                                      | <b>5239 696 006</b> | MAN 81.77969-6006           |
| <b>Neoplan</b> Starliner (N 52XX)                                                     | <b>5239 690 012</b> | MAN 81.77969-0012           |
| <b>Neoplan</b> Trendliner (N 3516)                                                    | <b>5239 690 017</b> | MAN 81.77969-0017           |
| <b>Setra</b> S 416 GT-HD/2                                                            | <b>9468 301 470</b> | Mercedes-Benz 001 830 14 70 |
| <b>Volvo</b> B5LH                                                                     | <b>6171 167 989</b> | Volvo 21167989              |
| <b>Volvo</b> B9L, B12B, 7700, 8700                                                    | <b>6175 104 862</b> | Volvo 85104862              |

10

Heating, ventilation, air conditioning



## WABCO

### Control unit for air conditioning

| suitable for                                                                                             | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530),<br>Intouro I (O 560), Travego (O 580)<br><b>Setra</b> S 415 GT-HD | <b>0761 960 000</b> | WABCO 446 196 000 0 |



## WABCO

### Electronic operating unit for air conditioning

Voltage 24 V

| suitable for                                                                                 | Order no.           | Comparative no.     |
|----------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro (O 530),<br>Intouro, Travego (O 580)<br><b>Setra</b> S 415 GT-HD | <b>0761 950 040</b> | WABCO 446 195 004 0 |

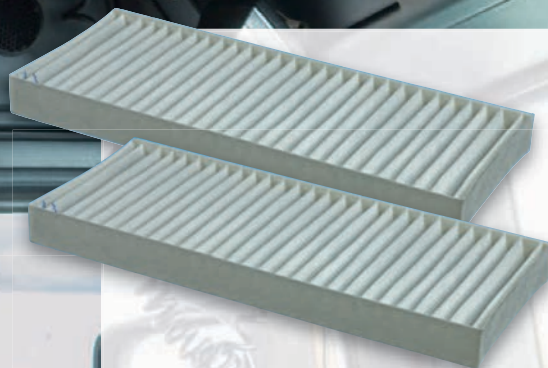
## Our network – 200 locations in 27 countries

EUROPART – international  
partner for the workshop

[www.europart.net](http://www.europart.net)







Cabin filters suitable for your vehicle can be found in this catalogue on page 158.

## Air conditioning technology – Profitable service for the workshop!

**Last but not least, good air conditioning has a direct effect in the warm months on the performance well-being of professional drivers. This is why the regular replacement of the cabin air filter is so important.**

Regular maintenance prevents the formation of bacteria and the fine structure of the evaporator becoming permanently clogged. The fan is also treated with care. The stream of air can flow unhindered and ventilate the cabin evenly. Prompt changing of the cabin air filter not only has benefits in terms of health and safety but also protects the air conditioning unit from contamination of, and deposits on, the evaporator. Disinfecting an air conditioning unit has no effect if the upstream filters are not replaced. Like a vacuum cleaner, the incoming fresh air

transports large quantities of fine dust, pollen, diesel soot, ozone and benzene into the cabins of lorries and buses in the course of a working day. The pollutant concentration in the driving cab is often much higher than in the surroundings if there is no efficient cabin air filter and the filtration is inadequate.

**An intact air conditioning unit and efficient filters reduce downtimes, and therefore costs!**



# Frame, coachwork, vehicle equipment





|                                    |         |
|------------------------------------|---------|
| Mirrors . . . . .                  | 530-547 |
| Bodywork components . . . . .      | 548-564 |
| Door systems and control . . . . . | 566-571 |
| Tow bar . . . . .                  | 572     |
| Window cleaning . . . . .          | 573-582 |
| Driver seats . . . . .             | 583-589 |
| Vehicle equipment . . . . .        | 590-607 |



### Complete mirror system

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Version           | heated, main mirror electrically adjustable, wide-angle mirror manually adjustable |
| Installation side | left                                                                               |
| Height            | 684 mm                                                                             |
| Width             | 247 mm                                                                             |
| Depth             | 174 mm                                                                             |
| Housing colour    | black                                                                              |
| Voltage           | 24 V                                                                               |
| Curve radius      | 1200 mm                                                                            |
| Test mark         | 03*0128                                                                            |

| suitable for                 | Order no.           | Comparative no.       |
|------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A21) | <b>9110 120 099</b> | Mekra 59.2780.120.099 |

### Service parts

| Description                        | Order no.           | Comparative no.   |
|------------------------------------|---------------------|-------------------|
| Mirror glass for main mirror       | <b>9112 780 840</b> | Mekra 15.2780.840 |
| Mirror glass for wide angle mirror | <b>9112 780 870</b> | Mekra 15.2780.870 |



### Complete mirror system with joint arm

|                   |                                             |
|-------------------|---------------------------------------------|
| Version           | heated, electrically adjustable main mirror |
| Installation side | right                                       |
| Height            | 1001 mm                                     |
| Width             | 720 mm                                      |
| Depth             | 254 mm                                      |
| Voltage           | 24 V                                        |
| Curve radius      | 1200/240 mm                                 |
| Test mark         | 03*0084                                     |

| suitable for                                                                                                                                           | Order no.           | Comparative no.       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A21), Lion's City CNG<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Solaris</b> Urbino III, Urbino electric<br><b>VDL</b> Citea | <b>5230 370 886</b> | Mekra 59.2770.210.099 |



### Service parts

| Description                                      | Fig. | Order no.           | Comparative no.   |
|--------------------------------------------------|------|---------------------|-------------------|
| Cover for mirror arm                             | 1    | <b>9110 300 104</b> | Mekra 11.2770.302 |
| Cover for mirror arm                             | 2    | <b>9110 300 105</b> | Mekra 11.2770.402 |
| Mirror housing for main mirror                   | 3    | <b>9110 300 175</b> | Mekra 61.2770.210 |
| Glass unit for main mirror                       | 4    | <b>5230 030 110</b> | Mekra 15.2771.840 |
| Glass unit for wide angle mirror                 | 5    | <b>9112 771 870</b> | Mekra 15.2771.870 |
| Mounting bracket, outside mirror for main mirror | 6    | <b>9112 770 211</b> | Mekra 61.2770.211 |



### Complete mirror system

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | left                        |
| Height            | 942 mm                      |
| Width             | 703 mm                      |
| Depth             | 212 mm                      |
| Material          | plastic                     |
| Voltage           | 24 V                        |

| suitable for                                              | Order no.           | Comparative no.   |
|-----------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13) | <b>9112 712 111</b> | Mekra 59.2712.111 |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)    |                     |                   |
| <b>Volvo</b> B9R, B12B, B12R, B13R, 9700, 9900            |                     |                   |

### Service parts

| Description                      | Order no.           | Comparative no.    |
|----------------------------------|---------------------|--------------------|
| Glass unit for wide angle mirror | <b>9110 002 246</b> | Mekra 15.2711.114  |
| Glass unit for main mirror       | <b>9113 731 470</b> | Mekra 15.3731.470H |



### Complete mirror system with joint arm

|                   |                                             |
|-------------------|---------------------------------------------|
| Version           | heated, electrically adjustable main mirror |
| Installation side | right                                       |
| Height            | 801 mm                                      |
| Width             | 701 mm                                      |
| Depth             | 218 mm                                      |
| Voltage           | 24 V                                        |

| suitable for                                              | Order no.           | Comparative no.   |
|-----------------------------------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13) | <b>9112 712 114</b> | Mekra 59.2712.114 |
| <b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)    |                     |                   |

### Service parts

| Description                      | Order no.           | Comparative no.    |
|----------------------------------|---------------------|--------------------|
| Glass unit for approach mirror   | <b>9110 002 245</b> | Mekra 15.2712.114  |
| Glass unit for wide angle mirror | <b>9110 002 246</b> | Mekra 15.2711.114  |
| Glass unit for main mirror       | <b>9113 731 470</b> | Mekra 15.3731.470H |



### Complete mirror system

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Version           | heated, electrically adjustable main mirror, long arm |
| Installation side | right                                                 |
| Height            | 622 mm                                                |
| Width             | 736 mm                                                |
| Depth             | 242 mm                                                |
| Voltage           | 24 V                                                  |
| Curve radius      | 1800 mm                                               |

| suitable for                             | Order no.           | Comparative no.   |
|------------------------------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) H | <b>9111 036 895</b> | Mekra 59.2730.402 |

### Service parts

| Description                      | Order no.           | Comparative no.    |
|----------------------------------|---------------------|--------------------|
| Glass unit                       | <b>9113 951 174</b> | Mekra 15.3951.174H |
| Glass unit for wide angle mirror | <b>9113 951 114</b> | Mekra 15.3951.114  |



### Complete mirror system

|         |                                                                                       |
|---------|---------------------------------------------------------------------------------------|
| Version | heated, main mirror electrically adjustable,<br>wide-angle mirror manually adjustable |
| Voltage | 24 V                                                                                  |

| suitable for                            | Installation side | Order no.           | Comparative no.   |
|-----------------------------------------|-------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350) | left              | <b>9468 102 316</b> | Mekra 59.2720.407 |
| <b>Mercedes-Benz</b> Tourismo I (O 350) | right             | <b>9468 101 316</b> | Mekra 59.2720.402 |
| <b>Setra</b> S 415 UL                   |                   |                     |                   |



### Complete mirror system

|                   |                                             |
|-------------------|---------------------------------------------|
| Version           | heated, electrically adjustable main mirror |
| Installation side | left                                        |
| Height            | 703 mm                                      |
| Width             | 783 mm                                      |
| Depth             | 212 mm                                      |
| Voltage           | 24 V                                        |
| Curve radius      | 1800/240 mm                                 |
| Test mark         | II e1 02*0524                               |

#### Scope of supply

with mirror arm and bellows

| suitable for                                   | Order no.           | Comparative no.   |
|------------------------------------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350)        | <b>9110 002 221</b> | Mekra 59.2710.401 |
| <b>Temsa</b> Euro Safari, Opalin, Powerbus     |                     |                   |
| <b>VDL</b> Phileas                             |                     |                   |
| <b>Volvo</b> B9R, B12B, B12R, B13R, 9700, 9900 |                     |                   |

#### Service parts

| Description | Order no.           | Comparative no.    |
|-------------|---------------------|--------------------|
| Cover cap   | <b>9110 002 118</b> | Mekra 11.3730.210H |



### Complete mirror system

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | right                       |
| Height            | 701 mm                      |
| Width             | 641 mm                      |
| Depth             | 200 mm                      |
| Voltage           | 24 V                        |
| Curve radius      | 1800 mm                     |
| Test mark         | II e1 02*0524               |

#### Scope of supply

with mirror arm and bellows

| suitable for                                   | Order no.           | Comparative no.   |
|------------------------------------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Tourismo I (O 350)        | <b>9110 002 222</b> | Mekra 59.2710.402 |
| <b>Temsa</b> Euro Safari, Opalin, Powerbus     |                     |                   |
| <b>VDL</b> Phileas                             |                     |                   |
| <b>Volvo</b> B9R, B12B, B12R, B13R, 9700, 9900 |                     |                   |



### Complete mirror system

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | right                       |
| Height            | 1000 mm                     |
| Width             | 700 mm                      |
| Depth             | 210 mm                      |
| Voltage           | 24 V                        |
| Curve radius      | 1800 mm                     |
| Test mark         | e1 02*14117                 |

| suitable for                                                                                                                     | Order no.    | Comparative no.    |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|
| Setra S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT, S 315/317/319 GT-HD, S 313/315/319 UL, S 315/319 UL-GT | 9112 800 402 | Mekra 61.2800.402H |

### Service parts

| Description | Order no.    | Comparative no.    |
|-------------|--------------|--------------------|
| Glass unit  | 9112 800 480 | Mekra 15.2800.480H |



### Complete mirror system with joint arm

|                   |       |
|-------------------|-------|
| Installation side | right |
| Voltage           | 24 V  |

This figure corresponds to 0501 402 802

| suitable for                                                                                                                              | Version                                                                                                               | Order no.    | Comparative no.       |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|
| <b>Irisbus</b> Arway, Crossway LE, Evadys, Récréo II<br><b>Setra</b> S 315 GT, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL | electrically heated and adjustable, with rear-end observation mirror, entrance observation mirror and angle joint     | 9468 102 416 | Hella 8SB 501 403-802 |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                  | electrically heated and adjustable, with rear-end observation mirror, entrance observation mirror and angle joint     | 0501 402 802 | Hella 8SB 501 402-802 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                     | heated, manual adjustment, with nose observation mirror, entry observation mirror                                     | 0501 402 822 | Hella 8SB 501 402-822 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                         | electrically heated, manual adjustment, with front-end monitoring mirror, entrance monitoring mirror and angled joint | 0501 311 842 | Hella 8SB 501 311-842 |

### Service parts

| Description                        | Order no.    | Comparative no.       |
|------------------------------------|--------------|-----------------------|
| Bracket for main mirror            | 0564 363 002 | Hella 9HB 564 363-002 |
| Bracket for exterior mirror        | 0564 376 002 | Hella 9XD 564 376-002 |
| Mirror glass for main mirror       | 0564 356 002 | Hella 9MX 564 356-002 |
| Mirror glass for wide angle mirror | 0564 357 002 | Hella 9MX 564 357-002 |





### Complete mirror system

| suitable for       | Installation side | Order no.    |
|--------------------|-------------------|--------------|
| Solaris Urbino III | right             | 7750 024 002 |

#### Service parts

| Description                        | Order no.    |
|------------------------------------|--------------|
| Mirror glass for wide angle mirror | 7565 043 276 |
| Mirror glass for main mirror       | 7565 024 065 |



### Main mirror

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | left                        |
| Height            | 470 mm                      |
| Width             | 230 mm                      |
| Depth             | 85 mm                       |
| Voltage           | 24 V                        |
| Test mark         | 02*0447                     |

| suitable for                                      | Order no.    | Comparative no.    |
|---------------------------------------------------|--------------|--------------------|
| Irisbus Arès, Arway, Axer, Crossway LE, Récréo II | 9112 810 113 | Mekra 59.2810.113H |

#### Service parts

| Description | Order no.    | Comparative no.    |
|-------------|--------------|--------------------|
| Cover       | 9112 810 200 | Mekra 11.2810.200H |



### Main mirror

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | right                       |
| Height            | 550 mm                      |
| Width             | 620 mm                      |
| Depth             | 270 mm                      |
| Material          | plastic                     |
| Housing colour    | black                       |
| Voltage           | 24 V                        |
| Test mark         | 02*0448                     |

| suitable for       | Order no.    | Comparative no.    |
|--------------------|--------------|--------------------|
| Irisbus Arès, Axer | 9112 810 213 | Mekra 59.2810.213H |

#### Service parts

| Description | Order no.    | Comparative no.    |
|-------------|--------------|--------------------|
| Glass unit  | 9112 810 480 | Mekra 15.2810.480H |

#### Accessories

| Description      | Order no.    | Comparative no.    |
|------------------|--------------|--------------------|
| Attachment wedge | 9111 036 914 | Mekra 20.2810.110H |





### Main mirror

|                   |                     |
|-------------------|---------------------|
| Version           | electric adjustment |
| Installation side | left/right          |
| Height            | 314 mm              |
| Width             | 228 mm              |
| Depth             | 65 mm               |
| Housing colour    | black               |
| Voltage           | 24 V                |
| Curve radius      | 1800 mm             |
| Test mark         | II e1 02*0469       |

| suitable for               | Order no.           | Comparative no.   |
|----------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City     | <b>9110 300 135</b> | Mekra 51.3850.267 |
| <b>Neoplan</b> Centroliner |                     |                   |



### Main mirror

|                   |                           |
|-------------------|---------------------------|
| Version           | heated, manual adjustment |
| Installation side | left/right                |
| Height            | 384 mm                    |
| Width             | 205 mm                    |
| Depth             | 120 mm                    |
| Housing colour    | black                     |
| Voltage           | 24 V                      |
| Test mark         | II e1 01*0423             |
| Curve radius      | 1800 mm                   |
| Plug type         | angled plug, round        |

### Application range

Left/right-hand drive

### Scope of supply

complete, with 2-pole heating cable

| suitable for                                     | Order no.           | Comparative no.    |
|--------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> Lion's City (A21), NG (A23), NL (A21) | <b>9113 730 324</b> | Mekra 61.3730.324H |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)           |                     |                    |
| <b>Neoplan</b> Centroliner (N 45XX)              |                     |                    |
| <b>Solaris</b> Urbino                            |                     |                    |
| <b>Volvo</b> B7L, B7R, B5LH, 8700, 7700          |                     |                    |

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**Main mirror**

|                |                                                |
|----------------|------------------------------------------------|
| Version        | heated, manual adjustment, independent version |
| Height         | 384 mm                                         |
| Width          | 205 mm                                         |
| Depth          | 120 mm                                         |
| Assembly-Ø     | 22 mm                                          |
| Housing colour | grey                                           |
| Voltage        | 24 V                                           |
| Test mark      | II e1 01*0423                                  |
| Curve radius   | 1800 mm                                        |

**Application range**

Left/right-hand drive

**Scope of supply**

complete

| suitable for                                                                                      | Installation side | Order no.           | Comparative no.    |
|---------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|
| <b>MAN</b> Lion's City (A21), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | left              | <b>9110 003 092</b> | Mekra 51.3735.124H |
| <b>MAN</b> Lion's City (A21), NG (A23), NL (A21), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX) | right             | <b>9110 003 095</b> | Mekra 51.3736.124H |

**Service parts**

| Description | Order no.           | Comparative no.    |
|-------------|---------------------|--------------------|
| Glass unit  | <b>9110 003 098</b> | Mekra 15.3731.074H |

**Main mirror**

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Version           | heated, electric adjustment, independent version |
| Installation side | left                                             |
| Height            | 384 mm                                           |
| Width             | 205 mm                                           |
| Depth             | 120 mm                                           |
| Housing colour    | grey                                             |
| Voltage           | 24 V                                             |
| Curve radius      | 1800 mm                                          |

**Application range**

Left/right-hand drive

**Scope of supply**

complete

| suitable for                                                                                                                                                                            | Order no.           | Comparative no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), NG (A23), NL (A21), NÜ (A20)<br><b>Mercedes-Benz</b> Citaro C2 (O 530)<br><b>Neoplan</b> Centroliner (N 45XX) | <b>9110 003 093</b> | Mekra 51.3735.126H |

**Service parts**

| Description | Order no.           | Comparative no.    |
|-------------|---------------------|--------------------|
| Glass unit  | <b>9110 003 098</b> | Mekra 15.3731.074H |

**Accessories**

| Description | Order no.           | Comparative no.       |
|-------------|---------------------|-----------------------|
| Bracket     | <b>0503 009 022</b> | Hella 8HG 503 009-022 |
| Base plate  | <b>0501 238 022</b> | Hella 9BP 501 238-022 |



### Main mirror

|                |                                 |
|----------------|---------------------------------|
| Version        | heated, electrically adjustable |
| Height         | 384 mm                          |
| Width          | 205 mm                          |
| Depth          | 116 mm                          |
| Housing colour | grey                            |
| Voltage        | 24 V                            |
| Test mark      | II e1 02*0524                   |

| suitable for                                                                                                                                                                                                                                                                  | Installation side | Curve radius | Order no.           | Comparative no.   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|---------------------|-------------------|
| <b>MAN</b> Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13), Lion's Star (R02/R03), ÜL<br><b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)<br><b>Solaris</b> Trollino<br><b>Volvo</b> B5LH, B7L, B9L, B9R, B12B, 7700, 9700 | left              | 2000 mm      | <b>9113 731 326</b> | Mekra 51.3731.326 |
| <b>MAN</b> Lion's Coach (R07/R08),<br>Lion's Regio (R12/R13)<br><b>Mercedes-Benz</b> Tourismo I (O 350)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)<br><b>Solaris</b> Trollino<br><b>Volvo</b> B5LH, B7R, B9L, B9R, B10L, B12B, 7500,<br>7700, 8500, 8700, 9700 | right             | 1800 mm      | <b>9113 732 326</b> | Mekra 51.3732.326 |



### Main mirror with mirror arm

|                   |            |
|-------------------|------------|
| Installation side | left/right |
| Height            | 602 mm     |
| Width             | 450 mm     |
| Depth             | 168 mm     |
| Housing colour    | black      |

**Application range**  
left/right-hand drive

| suitable for                                       | Version                            | Order no.           | Comparative no.    |
|----------------------------------------------------|------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), Intouro II | can be heated, electric adjustment | <b>9113 980 012</b> | Mekra 59.3980.012  |
| <b>Mercedes-Benz</b> Conecto I (O 345), Intouro II | can be heated, manual adjustment   | <b>9113 980 011</b> | Mekra 59.3980.011H |

### Service parts

| Description | Order no.           | Comparative no.    |
|-------------|---------------------|--------------------|
| Glass unit  | <b>9113 752 470</b> | Mekra 15.3752.470H |



### Main mirror with mirror arm

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | left                        |
| Height            | 560 mm                      |
| Width             | 300 mm                      |
| Depth             | 170 mm                      |
| Voltage           | 24 V                        |
| Curve radius      | 1800 mm                     |
| Test mark         | II e1 02*0620               |

| suitable for                             | Order no.           | Comparative no.   |
|------------------------------------------|---------------------|-------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345) H | <b>9112 730 401</b> | Mekra 59.2730.401 |

### Service parts

| Description | Order no.           | Comparative no.    |
|-------------|---------------------|--------------------|
| Glass unit  | <b>9113 951 174</b> | Mekra 15.3951.174H |



### Main mirror with mirror arm

|                   |        |
|-------------------|--------|
| Installation side | left   |
| Material          | ABS    |
| Height            | 535 mm |
| Width             | 285 mm |
| Depth             | 125 mm |
| Housing colour    | black  |

| suitable for                                       | Version                            | Order no.           | Comparative no.    |
|----------------------------------------------------|------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345), Intouro II | can be heated, manual adjustment   | <b>9110 980 021</b> | Mekra 59.3980.021H |
| <b>Mercedes-Benz</b> Conecto I (O 345), Intouro II | can be heated, electric adjustment | <b>9113 980 022</b> | Mekra 59.3980.022H |

### Service parts

| Description | Order no.           | Comparative no.    |
|-------------|---------------------|--------------------|
| Glass unit  | <b>9113 752 470</b> | Mekra 15.3752.470H |





**Main mirror**

|                   |                             |
|-------------------|-----------------------------|
| Version           | unheated, manual adjustment |
| Installation side | left/right                  |
| Material          | ABS                         |
| Type              | 0.254                       |
| Height            | 305 mm                      |
| Width             | 183 mm                      |
| Depth             | 60 mm                       |
| Housing colour    | black                       |
| Assembly-Ø        | 18 mm                       |
| Curve radius      | 1800 mm                     |
| Test mark         | II e1 02*14068              |

| suitable for                 | Order no.           | Comparative no.    |
|------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 405 N | <b>9110 000 111</b> | Mekra 51.2540.120H |

**Service parts**

| Description  | Order no.           | Comparative no.    |
|--------------|---------------------|--------------------|
| Mirror glass | <b>9110 000 021</b> | Mekra 40.2540.222H |

**Main mirror**

|                   |                           |
|-------------------|---------------------------|
| Version           | heated, manual adjustment |
| Installation side | left/right                |
| Height            | 305 mm                    |
| Width             | 183 mm                    |
| Depth             | 60 mm                     |
| Assembly-Ø        | 18 mm                     |
| Voltage           | 12 V                      |
| Curve radius      | 1800 mm                   |
| Test mark         | II e1 01*14068            |

| suitable for                             | Order no.           | Comparative no.    |
|------------------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> O 404, O 405, O 407 | <b>9110 000 165</b> | Mekra 51.2540.130H |

**Service parts**

| Description  | Order no.           | Comparative no.    |
|--------------|---------------------|--------------------|
| Mirror glass | <b>9110 000 021</b> | Mekra 40.2540.222H |





### Main mirror

|                   |                |
|-------------------|----------------|
| Installation side | left/right     |
| Height            | 370 mm         |
| Width             | 182 mm         |
| Depth             | 64 mm          |
| Housing colour    | black          |
| Curve radius      | 1800 mm        |
| Test mark         | II e1 02*14067 |

| suitable for                        | Version                     | Order no.    | Comparative no.    |
|-------------------------------------|-----------------------------|--------------|--------------------|
| Mercedes-Benz O 405 N, O 407        | unheated, manual adjustment | 9110 000 109 | Mekra 51.2530.120H |
| Mercedes-Benz O 405 N, O 407, O 408 | heated, manual adjustment   | 9110 000 110 | Mekra 51.2530.140H |

### Service parts

| Description  | Version  | Order no.    | Comparative no.    |
|--------------|----------|--------------|--------------------|
| Mirror glass | unheated | 9110 000 019 | Mekra 40.2530.222H |
| Mirror glass | heated   | 9110 000 020 | Mekra 40.2530.422H |



### Main mirror

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | left                        |
| Height            | 592 mm                      |
| Width             | 205 mm                      |
| Depth             | 120 mm                      |
| Voltage           | 24 V                        |
| Curve radius      | 1800 mm                     |
| Test mark         | 02*0524                     |

| suitable for                      | Order no.    | Comparative no.   |
|-----------------------------------|--------------|-------------------|
| Volvo B7R, B10L, B12B, 7500, 8500 | 9112 762 322 | Mekra 59.2762.322 |



### Main mirror

|                   |        |
|-------------------|--------|
| Installation side | left   |
| Height            | 479 mm |
| Width             | 210 mm |
| Voltage           | 24 V   |

| suitable for                                                                                                                                                                           | Version                            | Order no.           | Comparative no.       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530), Cito (O 520), Integro II (O 550)<br><b>Setra</b> S 315 GT, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL, S 415 NF, S 417 UL | electrically heated and adjustable | <b>0501 401 802</b> | Hella 8SB 501 401-802 |
| <b>Mercedes-Benz</b> Citaro I (O 530), Cito (O 520)<br><b>Setra</b> S 315 UL, S 415/419 UL                                                                                             | heated, manual adjustment          | <b>0501 401 822</b> | Hella 8SB 501 401-822 |

### Service parts

| Description  | Order no.           | Comparative no.       |
|--------------|---------------------|-----------------------|
| Mirror glass | <b>0564 305 002</b> | Hella 9MX 564 305-002 |
| Cover cap    | <b>0564 316 002</b> | Hella 9HD 564 316-002 |



### Main mirror

|                   |                             |
|-------------------|-----------------------------|
| Version           | heated, electric adjustment |
| Installation side | left/right                  |
| Height            | 310 mm                      |
| Width             | 225 mm                      |
| Housing colour    | black                       |
| Voltage           | 24 V                        |
| Curve radius      | 2100 mm                     |
| Test mark         | e1 14114                    |

| suitable for               | Order no.           | Comparative no.       |
|----------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 407 | <b>0501 192 002</b> | Hella 8SB 501 192-002 |

**Main mirror**

tinted

|                   |                             |
|-------------------|-----------------------------|
| Version           | unheated, manual adjustment |
| Installation side | left/right                  |
| Height            | 422 mm                      |
| Width             | 200 mm                      |
| Housing colour    | black                       |
| Assembly-Ø        | 18 mm                       |
| Test mark         | e1 0117, E1 0940, e1 14072  |

**Scope of supply**

with attachment material

| suitable for               | Order no.           | Comparative no.       |
|----------------------------|---------------------|-----------------------|
| <b>Mercedes-Benz</b> O 408 | <b>0501 081 082</b> | Hella 8SB 501 081-031 |

**Service parts**

| Description  | Order no.           | Comparative no.    |
|--------------|---------------------|--------------------|
| Mirror glass | <b>9110 000 012</b> | Mekra 40.3640.422H |

**Main mirror**

|                   |                                    |
|-------------------|------------------------------------|
| Version           | electric adjustment, heated        |
| Installation side | left                               |
| Fastening         | suspended                          |
| Height            | 519 mm                             |
| Housing colour    | black                              |
| Voltage           | 24 V                               |
| Curve radius      | 2100 mm                            |
| Test mark         | e1 0063, E1 0369, e1 0370, E1 0945 |

| suitable for                                                                                                                            | Order no.           | Comparative no.       |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Neoplan</b> Centroliner (N 45XX),<br>Cityliner (N 12XX),<br>Skyliner (N 1122/2011-),<br>Starliner (N 52XX)<br><b>Volvo</b> B7R, 8700 | <b>0501 247 812</b> | Hella 8SB 501 247-812 |

**Service parts**

| Description                 | Order no.           | Comparative no.       |
|-----------------------------|---------------------|-----------------------|
| Housing for exterior mirror | <b>0562 814 002</b> | Hella 9BG 562 814-002 |
| Housing Central piece       | <b>0562 813 002</b> | Hella 9BG 562 813-002 |
| Bracket                     | <b>0562 837 022</b> | Hella 9HB 562 837-022 |
| Mirror glass                | <b>0562 841 002</b> | Hella 9MX 562 841-002 |



### Main mirror

| suitable for       | Installation side | Order no.    |
|--------------------|-------------------|--------------|
| Solaris Urbino III | left              | 7565 042 184 |

### Service parts

| Description  | Order no.    |
|--------------|--------------|
| Mirror glass | 7565 024 068 |



### Ramp mirror

Installation side right

### Application range

vehicles with an auxiliary mirror

| suitable for    | Order no.    |
|-----------------|--------------|
| Volvo B7R, 8700 | 6170 703 307 |



### Wing mirror

#### Additional mirror for school bus

|                   |                      |
|-------------------|----------------------|
| Version           | heated, with bracket |
| Installation side | left, right          |
| Height            | 125 mm               |
| Width             | 205 mm               |
| Material          | Plastic              |
| Housing colour    | black                |
| Voltage           | 24 V                 |
| Curve radius      | 240 mm               |

### Scope of supply

with attachment material

| suitable for        | Order no.    | Comparative no.       |
|---------------------|--------------|-----------------------|
| MAN Lion's City     | 0501 511 802 | Hella 8SB 501 511-802 |
| Neoplan Centroliner |              |                       |



### Interior mirror

|                |                             |
|----------------|-----------------------------|
| Version        | unheated, manual adjustment |
| Height         | 315 mm                      |
| Depth          | 30 mm                       |
| Housing colour | black                       |
| Material       | ABS                         |
| Curve radius   | 2000 mm                     |

| Order no.    | Comparative no.    |
|--------------|--------------------|
| 9110 001 142 | Mekra 55.3000.117H |



### Mounting bracket, outside mirror for approach mirror

|        |         |
|--------|---------|
| Width  | 79,5 mm |
| Length | 120 mm  |
| Colour | black   |
| Pipe Ø | 14 mm   |
| Ø      | 14 mm   |

| suitable for           | Order no.    | Comparative no.   |
|------------------------|--------------|-------------------|
| Volvo 7000, 7700, 8700 | 9111 523 212 | Mekra 11.1523.212 |



### Mounting bracket, outside mirror for main mirror

|                   |         |
|-------------------|---------|
| Version           | heated  |
| Installation side | right   |
| Width             | 677 mm  |
| Length            | 576 mm  |
| Depth             | 225 mm  |
| Colour            | black   |
| Voltage           | 24 V    |
| Curve radius      | 2000 mm |

| suitable for           | Order no.    | Comparative no.   |
|------------------------|--------------|-------------------|
| Volvo 7000, 7700, 8700 | 9111 036 931 | Mekra 58.2705.003 |





### Mounting bracket, outside mirror for main mirror

Width 216 mm  
Length 514 mm  
Installation side left/right  
mirror brackets  $\varnothing$  28

| suitable for     | Order no.    | Comparative no.   |
|------------------|--------------|-------------------|
| Volvo 7700, 8700 | 9111 036 964 | Mekra 58.2704.044 |



### Attachment wedge

Installation side left/right  
Height 15 mm  
Width 50 mm  
Length 108 mm

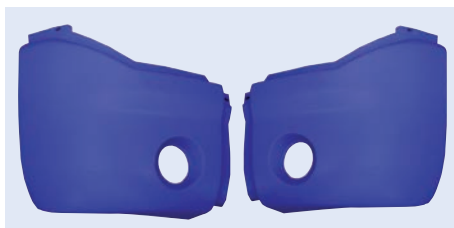
| suitable for                                                      | Application range  | Version                        | Order no.           | Comparative no.    |
|-------------------------------------------------------------------|--------------------|--------------------------------|---------------------|--------------------|
| <b>Mercedes-Benz</b> Conecto I (O 345)<br><b>Volvo</b> 7000, 7700 | for main mirror    | unheated,<br>manual adjustment | <b>9110 000 680</b> | Mekra 20.2480.210H |
| <b>Mercedes-Benz</b> Tourismo I (O 350)                           | with control cable | heated, electric adjustment    | <b>9112 480 213</b> | Mekra 20.2480.213  |
| <b>Scania</b> F/K/N, Serie 4, OmniCity                            | with heating cable | heated                         | <b>9112 480 211</b> | Mekra 20.2480.211H |



## Bumper suitable for Irisbus Citelis

Colour code RAL 5002

| Installation location | Order no.    |
|-----------------------|--------------|
| front                 | 9190 182 235 |
| rear                  | 9190 193 404 |



## Impact corner suitable for Irisbus Citelis

Installation location front  
Colour code RAL 5002

| Installation side | Order no.    |
|-------------------|--------------|
| right             | 9190 182 631 |
| left              | 9190 182 630 |



## Bumper suitable for Irisbus Crossway, Récréo II

| Installation location | Order no.    |
|-----------------------|--------------|
| front                 | 9190 178 850 |
| rear                  | 9190 108 189 |



## Bumper suitable for Irisbus Arway

Installation location front

| Order no.    |
|--------------|
| 9190 105 684 |



## Bumper suitable for Irisbus Arway, Crossway LE, Evadys

Installation location rear

| Order no.    |
|--------------|
| 9190 097 988 |



## Bumper

suitable for MAN A10, A11, A12, A15 (1992-)

Installation location front

| Installation side | Order no.    |
|-------------------|--------------|
| right             | 9190 020 176 |
| centre            | 9190 020 173 |
| left              | 9190 020 177 |



## Spoiler

suitable for MAN A10, A11, A12, A15 (1992-)

Installation location front

| Installation side | Version              | Order no.    |
|-------------------|----------------------|--------------|
| right             | with headlamp cutout | 9190 020 179 |
| centre            |                      | 9190 020 178 |
| left              | with headlamp cutout | 9190 020 181 |

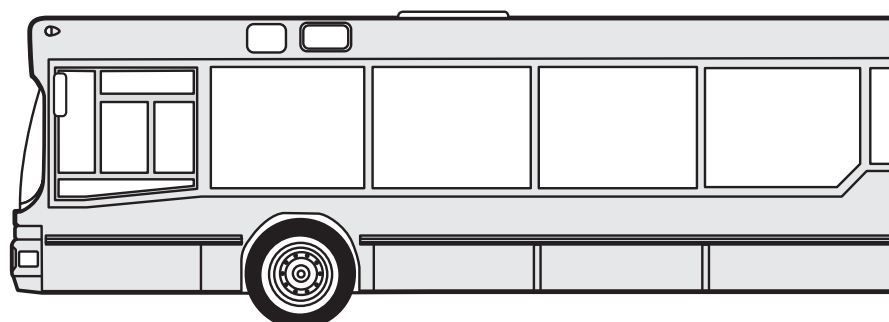


## Floor capsule

suitable for MAN A10, A11, A12, A15 (1992-)

Version small  
Installation location front

| Order no.    |
|--------------|
| 9190 020 172 |



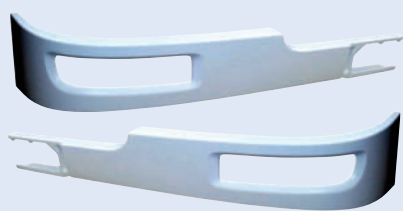


## Bumper

suitable for MAN A20-A28 (1996-)

Installation location front

| Installation side | Order no.    |
|-------------------|--------------|
| right             | 9190 020 187 |
| centre            | 9190 020 186 |
| left              | 9190 020 188 |



## Spoiler

suitable for MAN A20-A28 (1996-)

Installation location front, bottom

| Installation side | Order no.    |
|-------------------|--------------|
| right             | 9190 020 189 |
| left              | 9190 020 190 |



## Impact corner

suitable for MAN A20-A28 (1996-)

Installation location rear, bottom

| Installation side | Order no.    |
|-------------------|--------------|
| left              | 9190 020 194 |
| right             | 9190 020 193 |



## Bumper

suitable for MAN A20-A28 (1996-)

Installation location rear, centre

| Order no.    |
|--------------|
| 9191 100 037 |

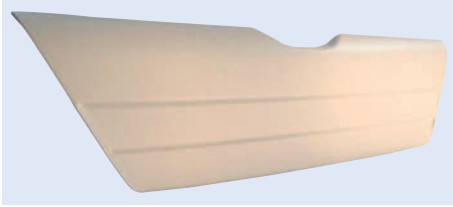


## Floor capsule

suitable for MAN A20-A28 (1996-)

Version large  
Installation location front

| Order no.    |
|--------------|
| 9190 020 191 |



## Front trim

suitable for MAN Lion's City (2004-)

Installation location front, centre

Order no.

5232 015 023



## Impact corner

suitable for MAN Lion's City (2004-)

Installation location front

Installation side

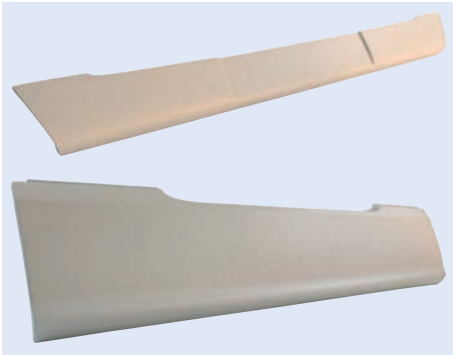
Order no.

right

5232 015 020

left

5232 015 021



## Spoiler

suitable for MAN Lion's City (2004-)

Installation location

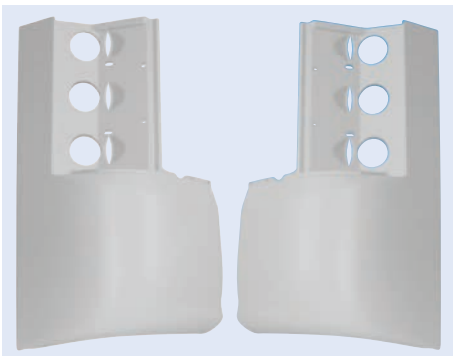
Order no.

front, centre

5232 015 022

rear, centre

5232 035 009



## Impact corner

suitable for MAN Lion's City (2004-)

Installation location rear

Installation side

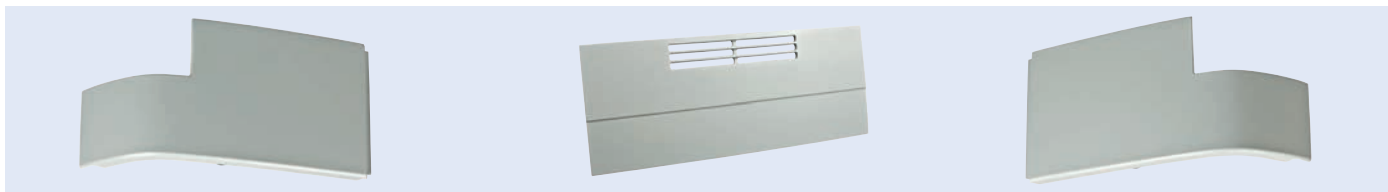
Order no.

left

9190 035 005

right

9190 035 006



### Front flap

suitable for Mercedes-Benz O 405 (-1996), O 407, O 408

| Installation side | Version       | Order no.    |
|-------------------|---------------|--------------|
| right             | front, top    | 9190 020 198 |
| centre            | open air duct | 9190 020 236 |
| left              | front, top    | 9190 020 199 |



### Bumper

suitable for Mercedes-Benz O 405 (-1996), O 407, O 408

Installation location front

| Installation side | Order no.    |
|-------------------|--------------|
| right             | 9190 020 196 |
| centre            | 9190 020 195 |
| left              | 9190 020 197 |



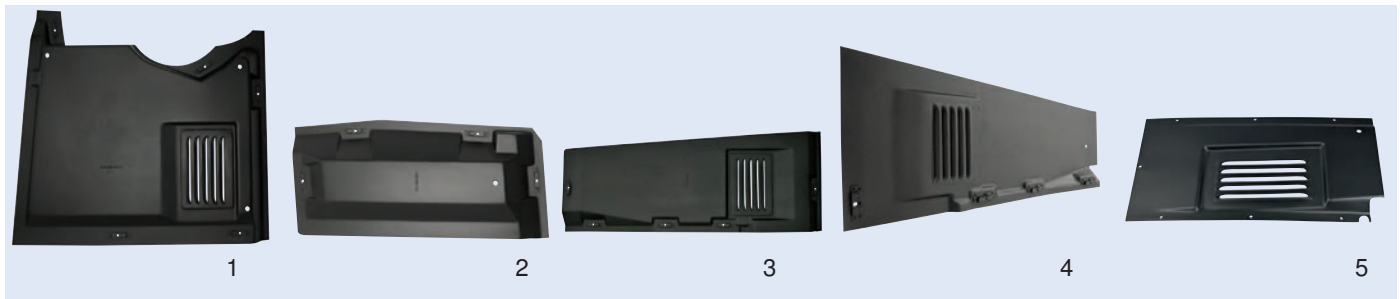
### Bumper

suitable for Mercedes-Benz O 405 N

Installation location front

| Installation side | Order no.    |
|-------------------|--------------|
| right             | 9190 020 203 |
| centre            | 9190 020 202 |
| left              | 9190 020 204 |





## Engine cover

suitable for Mercedes-Benz O 405 (-1996), O 407, O 408

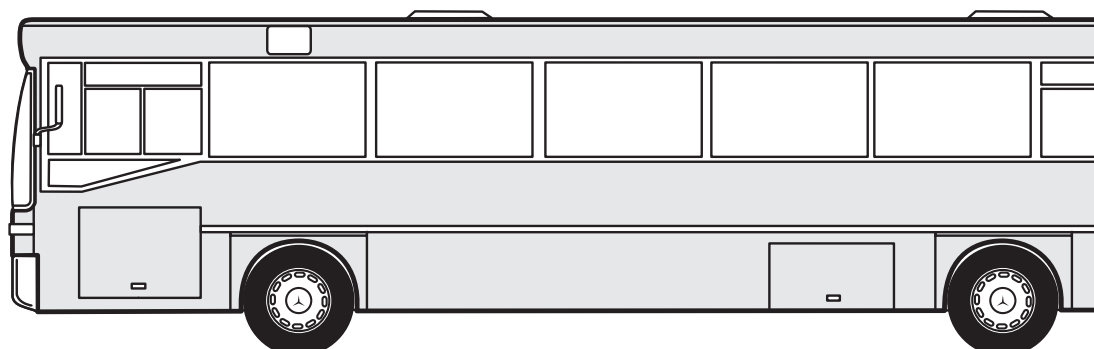
| Installation location | Installation side | Fig. | Order no.           | Comparative no.             |
|-----------------------|-------------------|------|---------------------|-----------------------------|
| front                 | left              | 1    | <b>9196 808 307</b> | Mercedes-Benz 357 680 83 07 |
| front                 | centre            | 2    | <b>9196 808 507</b> | Mercedes-Benz 357 680 85 07 |
| rear                  | left              |      | <b>9196 808 407</b> | Mercedes-Benz 357 680 84 07 |
| rear                  | centre            | 3    | <b>9196 808 607</b> | Mercedes-Benz 357 680 86 07 |
| rear                  | centre            | 4    | <b>9190 020 208</b> | Mercedes-Benz 357 680 15 08 |
| rear                  | right             | 5    | <b>9190 020 205</b> | Mercedes-Benz 357 680 87 07 |



## Engine cover

suitable for Mercedes-Benz O 405 (1996-), O 407, O 408

| Installation location | Installation side | Fig. | Order no.           | Comparative no.             |
|-----------------------|-------------------|------|---------------------|-----------------------------|
| front                 | left              | 1    | <b>9463 576 806</b> | Mercedes-Benz 357 680 67 08 |
| front                 | left              | 2    | <b>9190 020 207</b> | Mercedes-Benz 357 683 25 08 |
| rear                  | left              | 3    | <b>9190 020 206</b> | Mercedes-Benz 357 680 98 07 |
| rear                  | left              | 4    | <b>9190 020 209</b> | Mercedes-Benz 357 683 26 08 |





## Front flap

suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Version smooth

Order no.

9190 020 221



## Bumper

suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Installation location front

Version

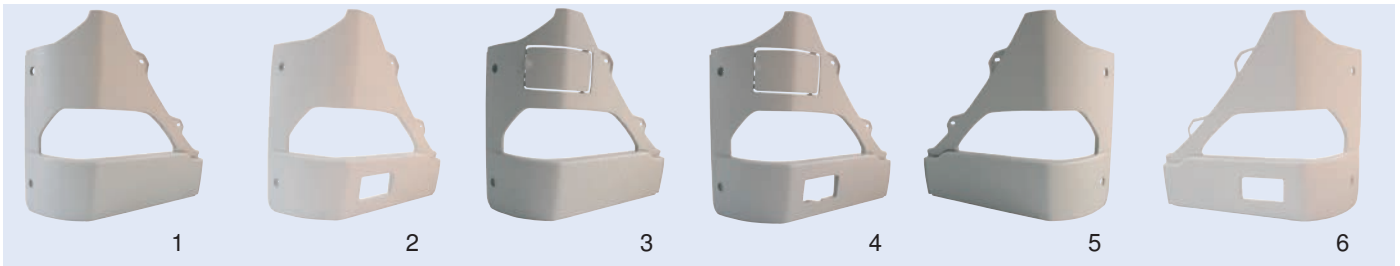
Order no.

vehicle width 2500 mm

9190 020 211

vehicle width 2550 mm

9190 020 212



## Impact corner

suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Installation location front

| Installation side | Version                                               | Fig. | Order no.    |
|-------------------|-------------------------------------------------------|------|--------------|
| right             | without cutout for front foglamp, without supply flap | 3    | 9190 020 216 |
| right             | with cutout for front foglamp, without supply flap    | 4    | 9190 020 217 |
| right             | without cutout for front foglamp, with supply flap    | 5    | 9190 020 218 |
| right             | with opening for front foglamp, with supply flap      | 6    | 9190 020 219 |
| left              | without cutout for front foglamp                      | 1    | 9190 020 214 |
| left              | with cutout for fog light                             | 2    | 9190 020 215 |

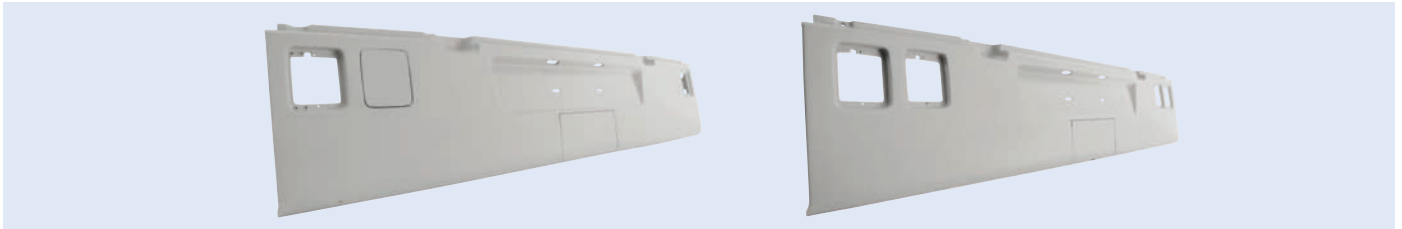


## Supply flap

suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Order no.

9196 000 731



## Bumper

suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Installation location rear

| Version                                                    | Order no.    |
|------------------------------------------------------------|--------------|
| vehicle width 2500 mm, foldable, with 2 lamp cutouts       | 9190 020 224 |
| vehicle width 2500 mm, foldable, with 4 lamp cutouts       | 9198 801 371 |
| vehicle width 2500 mm, for hooking in, with 2 lamp cutouts | 9190 020 222 |
| vehicle width 2500 mm, for hooking in, with 4 lamp cutouts | 9190 020 223 |
| vehicle width 2550 mm, foldable, with 2 lamp cutouts       | 9190 020 228 |
| vehicle width 2550 mm, foldable, with 4 lamp cutouts       | 9190 020 229 |
| vehicle width 2550 mm, for hooking in, with 2 lamp cutouts | 9198 800 271 |
| vehicle width 2550 mm, for hooking in, with 4 lamp cutouts | 9198 800 471 |

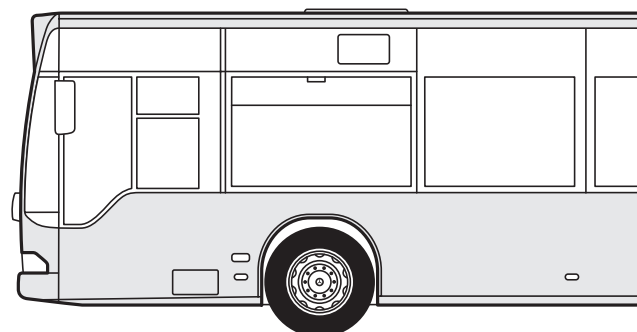


## Impact corner

suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Installation location rear

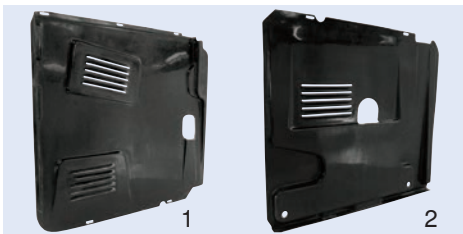
| Installation side | Model year | Fig. | Order no.    |
|-------------------|------------|------|--------------|
| left              | -2003      | 2    | 9190 020 230 |
| right             | -2003      | 1    | 9190 020 231 |
| left              | 2003-      | 4    | 9468 851 502 |
| right             | 2003-      | 3    | 9468 851 602 |





**Engine compartment cover**  
suitable for Mercedes-Benz Citaro I (O 530) (1997-)

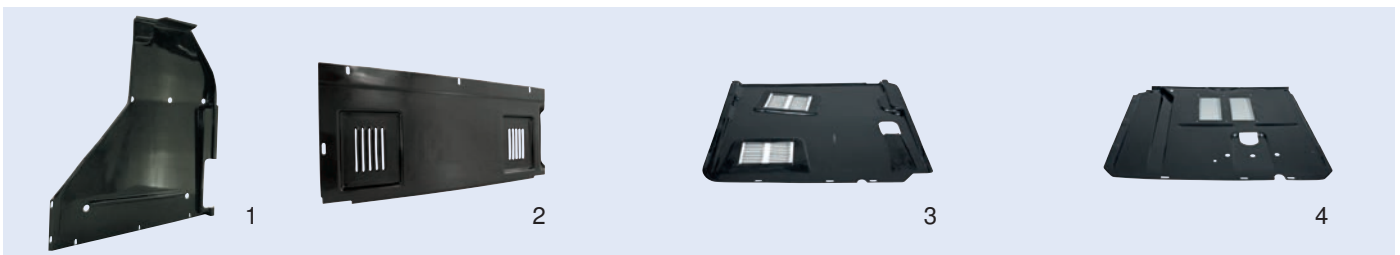
| Installation location | Installation side | Fig. | Order no.           | Comparative no.             |
|-----------------------|-------------------|------|---------------------|-----------------------------|
| front                 | left              | 1    | <b>9196 832 508</b> | Mercedes-Benz 628 683 25 08 |
| rear                  | right             | 2    | <b>9196 831 708</b> | Mercedes-Benz 628 683 17 08 |



**Engine compartment cover**  
suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Version vehicle width 2500 mm

| Installation location | Installation side | Fig. | Order no.           | Comparative no.             |
|-----------------------|-------------------|------|---------------------|-----------------------------|
| rear                  | left              | 1    | <b>9196 830 408</b> | Mercedes-Benz 628 683 04 08 |
| rear                  | right             | 2    | <b>9196 830 708</b> | Mercedes-Benz 628 683 07 08 |



**Engine compartment cover**  
suitable for Mercedes-Benz Citaro I (O 530) (1997-)

Version vehicle width 2550 mm

| Installation location | Installation side | Fig. | Order no.           | Comparative no.             |
|-----------------------|-------------------|------|---------------------|-----------------------------|
| front                 | left              | 1    | <b>9190 830 208</b> | Mercedes-Benz 628 683 02 08 |
| centre                | left              | 2    | <b>9190 600 091</b> | Mercedes-Benz 628 680 00 09 |
| rear                  | left              | 3    | <b>9190 600 087</b> | Mercedes-Benz 628 683 05 08 |
| rear                  | right             | 4    | <b>9190 600 088</b> | Mercedes-Benz 628 683 14 08 |

**Front flap**

suitable for Mercedes-Benz Citaro II (O 530) (2006-)

**Version**

|                                               | Order no.    |
|-----------------------------------------------|--------------|
| with recess for logo                          | 9190 600 116 |
| with recess for logo and 1 cut-out hole 35 mm | 9190 600 117 |
| with recess for logo and 2 cut-out holes 6 mm | 9190 600 118 |

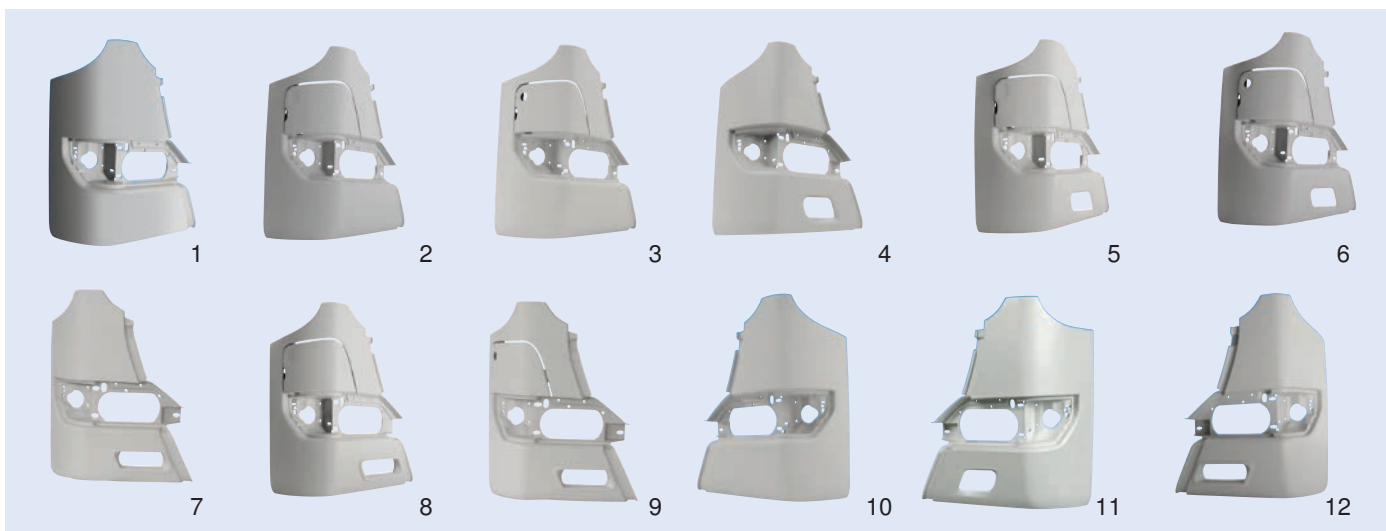
**Bumper**

suitable for Mercedes-Benz Citaro II (O 530) (2006-)

Installation location front

**Order no.**

9190 600 115

**Impact corner**

suitable for Mercedes-Benz Citaro II (O 530) (2006-)

Installation location front

| Installation side | Version                                                                            | Fig. | Order no.    |
|-------------------|------------------------------------------------------------------------------------|------|--------------|
| right             | without cutout for front foglamp, without supply flap                              | 1    | 9190 600 109 |
| right             | without cutout for front foglamp, with supply flap, without bore for closure       | 2    | 9190 600 108 |
| right             | without cutout for front foglamp, with supply flap and bore for closure            | 3    | 9190 600 112 |
| right             | with cutout for front foglamp, without supply flap                                 | 4    | 9190 600 113 |
| right             | with cutout for front foglamp and supply flap, without bore for closure            | 5    | 9190 600 107 |
| right             | with cutout for front foglamp, supply flap and bore for closure                    | 6    | 9190 600 114 |
| right             | with cutout for LED daytime running lamp, without supply flap                      | 7    | 9198 808 472 |
| right             | with cutout for LED daytime running lamp and supply flap, without bore for closure | 8    | 9198 808 672 |
| right             | with cutout for LED daytime running lamp, supply flap and bore for closure         | 9    | 9198 808 872 |
| left              | without cutout for fog light                                                       | 10   | 9190 600 110 |
| left              | with cutout for fog light                                                          | 11   | 9190 600 111 |
| left              | with cutout for LED daytime running lamp                                           | 12   | 9198 808 372 |



## Bumper

suitable for Mercedes-Benz Citaro II (O 530) (2006-)

Installation location rear

Order no.

9190 600 119



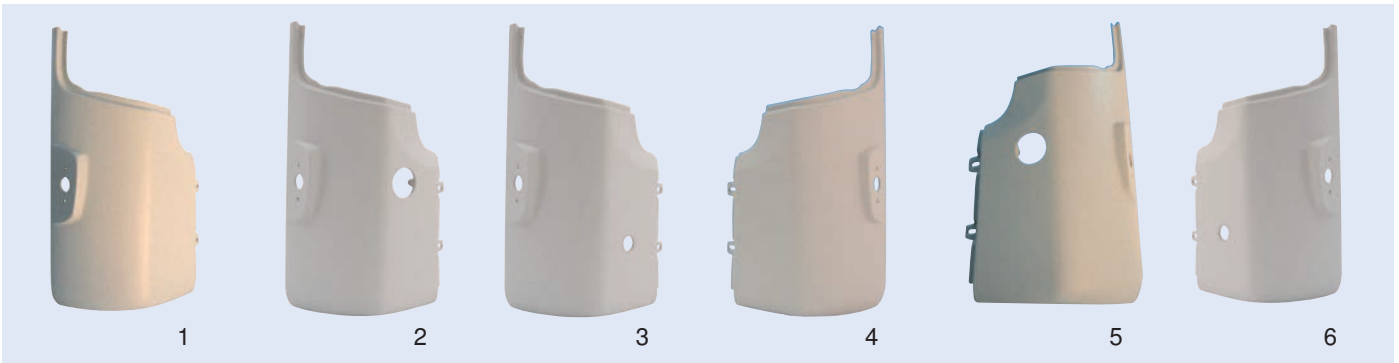
## Cover

for towing coupling, suitable for Mercedes-Benz Citaro II (O 530) (2006-)

Installation location rear

Order no.

9190 600 120

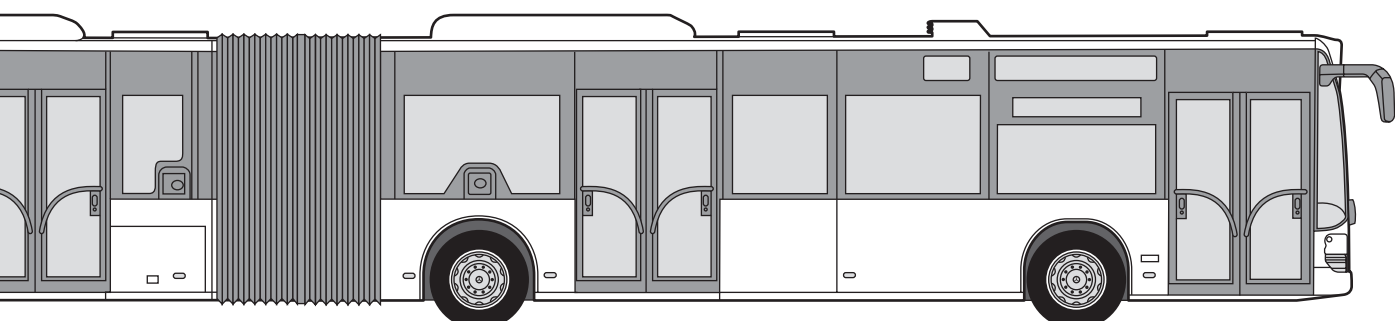


## Impact corner

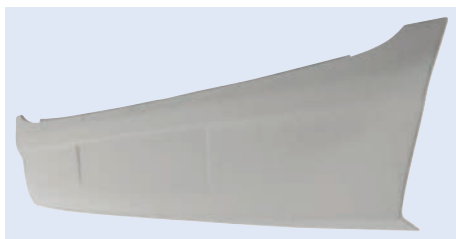
suitable for Mercedes-Benz Citaro II (O 530) (2006-)

Installation location rear

| Installation side | Version                          | Fig. | Order no.    |
|-------------------|----------------------------------|------|--------------|
| left              | without cutout for rear foglamp  | 1    | 9190 600 121 |
| left              | with cutout for rear foglamp     | 2    | 9190 600 124 |
| left              | with cutout for reversing sensor | 3    | 9198 850 805 |
| right             | without cutout for rear foglamp  | 4    | 9190 600 122 |
| right             | with cutout for rear foglamp     | 5    | 9190 600 123 |
| right             | with cutout for reversing sensor | 6    | 9190 600 125 |





**Bumper**

suitable for Mercedes-Benz Integro II (O 550), Tourismo II

Installation location front

Order no.

9198 800 170

**Impact corner**

suitable for Mercedes-Benz Integro II (O 550), Tourismo II

Installation location front

Version with cutout for headlight cleaning system

Installation side

Order no.

right

9190 600 300

left

9196 003 010

**Impact corner**

suitable for Mercedes-Benz Integro II (O 550), Intouro II, Tourismo II, Travego II

Installation location rear

Installation side

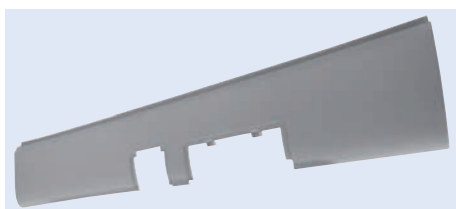
Order no.

left

9190 600 304

right

9190 600 303

**Bumper**

suitable for Mercedes-Benz Integro II (O 550), Tourismo II, Travego II

Installation location rear

Version without cutout for reversing indication

Order no.

9198 850 005

**Cover**

suitable for Mercedes-Benz Integro II (O 550) and Setra Serie 400 ComfortClass/MultiClass

Installation location Bumper, rear

Version

Fig.

Order no.

for trailer coupling

1

9198 850 022

for tow beam

2

9198 850 122



## Bumper

suitable for Setra Serie 300 MultiClass

|                       |               |
|-----------------------|---------------|
| Installation location | front         |
| Version               | without frame |

| Vehicle type             | Order no.    |
|--------------------------|--------------|
| S 315/319 NF             | 9190 020 232 |
| S 313/315/317/319/321 UL | 9190 020 233 |



## Impact corner

suitable for Setra Serie 300 MultiClass

|                       |                                      |
|-----------------------|--------------------------------------|
| Installation location | rear                                 |
| Version               | with cutout for reversing indication |

| Vehicle type             | Installation side | Order no.    |
|--------------------------|-------------------|--------------|
| S 313/315/317/319/321 UL | left              | 9190 020 234 |
| S 313/315/317/319/321 UL | right             | 9190 020 235 |



1



2

## Engine compartment cover

suitable for Setra Serie 300 MultiClass

| Vehicle type                                  | Installation location | Fig. | Order no.    |
|-----------------------------------------------|-----------------------|------|--------------|
| S 313/315 UL, S 315 UL-GT, SG 321 UL          | rear                  | 1    | 9190 930 517 |
| S 313/315 UL, S 315 UL-GT, SG 321 UL          | radiator              | 2    | 9190 930 617 |
| S 315/319 NF                                  |                       |      | 9194 120 001 |
| S 315/319 NF, S 313/315/317/319 UL, SG 321 UL | rear                  |      | 9195 612 004 |



## Gear capsule

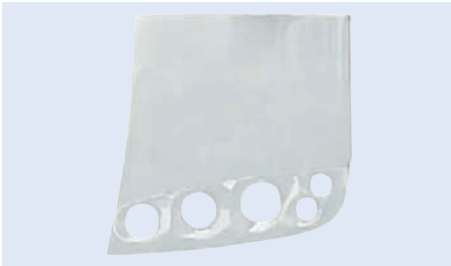
suitable for Setra Serie 300 MultiClass

| Vehicle type                                  | Order no.    |
|-----------------------------------------------|--------------|
| S 315/319 NF, S 313/315/317/319 UL, SG 321 UL | 9195 614 003 |



## Front trim suitable for Solaris Urbino II/III

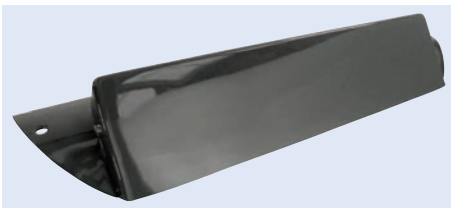
Order no.  
9190 169 755



## Front flap suitable for Solaris Urbino II/III

Installation location front  
Installation side left

| Vehicle type      | Order no.    |
|-------------------|--------------|
| Urbino II/III     | 7565 042 480 |
| Urbino II/III, LE | 7750 009 772 |



## Front flap suitable for Solaris Urbino II/III

Installation location centre

| Vehicle type  | Version         | Order no.    |
|---------------|-----------------|--------------|
| Urbino III    |                 | 7765 169 750 |
| Urbino II/III | hatch in bumper | 7765 169 751 |



## Bumper suitable for Solaris Urbino II/III

Installation location front  
Installation side centre  
Version with cutout for hatch

Order no.  
7750 169 715



## Impact corner suitable for Solaris Urbino II/III

Installation location front

| Vehicle type | Installation side | Fig. | Order no.    |
|--------------|-------------------|------|--------------|
| Urbino II    | right             | 1    | 9190 600 400 |
| Urbino II    | left              | 2    | 7565 042 295 |
| Urbino III   | right             | 3    | 7750 169 721 |
| Urbino III   | left              | 4    | 7750 169 731 |



## Snatch lock

This figure corresponds to 9190 020 184

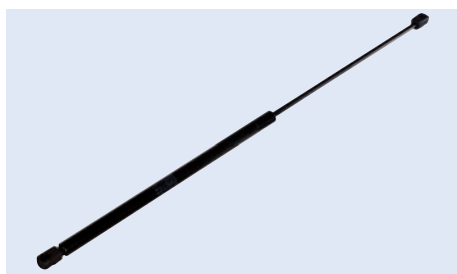
| suitable for                                                                                                                                              | Version                                     | Order no.           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11/A23), NL (A10/A15/A21)                                                                                                       | for engine compartment hatch                | <b>9190 020 184</b> |
| <b>MAN</b> Lion's City (A21/A23/A37/A47)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                           | for engine compartment hatch                | <b>9190 020 185</b> |
| <b>MAN</b> Lion's City (A23), EL (A12), NG (A11), NL (A10/A15/A21)<br><b>Neoplan</b> Centroliner (N 45XX), Skyliner (2011-)                               | for front hatch                             | <b>9191 160 099</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13)<br><b>Neoplan</b> Tourliner (N 2216)                                                                | for side flap, left                         | <b>5231 166 059</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R13)<br><b>Neoplan</b> Tourliner (N 2216)                                                                | for side flap, right                        | <b>5230 332 511</b> |
| <b>MAN</b> Lion's Regio (R12)                                                                                                                             | for side/engine hatch                       | <b>5231 226 004</b> |
| <b>Mercedes-Benz</b> Citaro I/C2 (O 530), O 405 N, O 407                                                                                                  | for side flap                               | <b>9460 213 382</b> |
| <b>Mercedes-Benz</b> Citaro I/C2 (O 530), O 405 N, O 408,<br>Tourismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 415 HD, S 416 GT-HD, S 415/417 UL | for engine compartment hatch                | <b>5527 580 050</b> |
| <b>Mercedes-Benz</b> Citaro I (O 530), O 405 N                                                                                                            | for bumpers, rear                           | <b>9460 213 383</b> |
| <b>Mercedes-Benz</b> O 405                                                                                                                                | for floor enclosure                         | <b>9190 020 210</b> |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                        | for front flap                              | <b>5241 220 028</b> |
| <b>Neoplan</b> Trendliner (N 3516)                                                                                                                        | for storage compartment in instrument panel | <b>5230 400 037</b> |
| <b>Solaris</b> Urbino III                                                                                                                                 | for bumpers, rear                           | <b>7560 555 000</b> |
| <b>Solaris</b> Urbino III                                                                                                                                 | for side flap                               | <b>7565 043 018</b> |
| <b>Volvo</b> B12B, 9700, 9900                                                                                                                             | for side flap                               | <b>6170 359 489</b> |
| <b>Volvo</b> B13R, 9900                                                                                                                                   | for side flap                               | <b>6170 348 255</b> |
| <b>Volvo</b> B9R, 7700, 8700, 9700, 9900                                                                                                                  | for side flap                               | <b>6170 357 432</b> |



## EURO PART Gas spring

This figure corresponds to 4440 512 023

| suitable for                                                                                                                    | Version                      | Spring force | Order no.           |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                     | for engine compartment hatch | 360 N        | <b>4440 512 027</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                     | for side flap                | 200 N        | <b>4440 512 026</b> |
| <b>MAN</b> Lion's City (A20), Lion's Coach (R07), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216) | for engine compartment hatch | 360 N        | <b>4440 512 023</b> |
| <b>MAN</b> NG (A23)                                                                                                             | for side flap                | 250 N        | <b>4440 512 025</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407                                                                                             | for side flap                | 490 N        | <b>4440 512 030</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407                                                                                             | for side flap                | 440 N        | <b>4440 512 029</b> |
| <b>Volvo</b> B5LH                                                                                                               | for engine compartment hatch | 500 N        | <b>4440 512 019</b> |



Gas spring

(Illustration similar)

| suitable for                                                                                                                                                                           | Version                      | Spring force | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|---------------------|
| <b>Irisbus</b> Magelys HD                                                                                                                                                              | for engine compartment hatch | 700 N        | <b>9279 908 229</b> |
| <b>MAN</b> EL (A12), NG (A11/A23), NL (A10/A15)                                                                                                                                        | for side flap                | 350 N        | <b>9271 000 098</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                                            | for engine compartment hatch | 400 N        | <b>9279 908 238</b> |
| <b>MAN</b> Lion's City (A20/A21/A37/A47), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                    | for side flap                | 200 N        | <b>9271 000 194</b> |
| <b>MAN</b> Lion's City (A21/A23/A37/A47), Lion's Coach (R07),<br>Lion's Regio (R12)<br><b>Neoplan</b> Trendliner (N 3516)                                                              | for side/engine hatch        | 420 N        | <b>2881 010 773</b> |
| <b>MAN</b> Lion's City (A21/A23)                                                                                                                                                       | for maintenance hatch        | 450 N        | <b>2881 002 763</b> |
| <b>MAN</b> NG (A23), NL (A21)<br><b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX)                                                                                                 | for side flap                | 150 N        | <b>9270 050 310</b> |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                                                               | for tank flap                | 75 N         | <b>9469 807 164</b> |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                                                               | for side flap                | 730 N        | <b>9469 804 664</b> |
| <b>Setra</b> S 315/319 NF                                                                                                                                                              |                              |              |                     |
| <b>Mercedes-Benz</b> Citaro I (O 530), Tourismo II,<br>Travego I (O 580)<br><b>Setra</b> S 315 UL, S 415/416/417 GT-HD, S 415/417/419 UL                                               | for engine compartment hatch | 500 N        | <b>9270 025 640</b> |
| <b>Mercedes-Benz</b> Intouro II<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD,<br>S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT,<br>SG 321 UL, S 411/415 HD, S 415/417 HDH           | for front flap               | 500 N        | <b>9276 858 000</b> |
| <b>Mercedes-Benz</b> Intouro II<br><b>Setra</b> S 315 UL, S 415/417/419 UL                                                                                                             | for side flap                | 520 N        | <b>2881 750 093</b> |
| <b>Mercedes-Benz</b> O 405, O 407                                                                                                                                                      | for engine compartment hatch | 490 N        | <b>9271 000 730</b> |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                                           | for side flap                | 330 N        | <b>9271 000 181</b> |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                                           | for side flap                | 220 N        | <b>9271 000 023</b> |
| <b>Mercedes-Benz</b> O 405 N                                                                                                                                                           | for engine compartment hatch | 440 N        | <b>9279 908 526</b> |
| <b>Mercedes-Benz</b> O 407, O 408                                                                                                                                                      | for maintenance hatch        | 370 N        | <b>9271 000 158</b> |
| <b>Mercedes-Benz</b> O 408                                                                                                                                                             | for side flap                | 350 N        | <b>9279 908 325</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD                                                                                                                    | for side flap                | 800 N        | <b>9467 501 236</b> |
| <b>Mercedes-Benz</b> Tourismo II, Travego I (O 580)<br><b>Setra</b> S 415 HD, S 431 DT, S 415/416/417 GT-HD                                                                            | for side flap                | 420 N        | <b>9279 908 131</b> |
| <b>Mercedes-Benz</b> Travego (O 580)<br><b>Setra</b> S 416 GT-HD/2                                                                                                                     | for side flap                | 600 N        | <b>1224 696 000</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)                                                                                                                                                 | for side flap                | 75 N         | <b>2881 063 457</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 312/315 HD, S 315 HDH/2,<br>S 315/317/319 GT-HD, S 411/415 HD,<br>S 415/417 HDH, S 415/416/417 GT-HD                          | for side flap                | 520 N        | <b>9467 500 536</b> |
| <b>Mercedes-Benz</b> Tourismo II, Travego I (O 580)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2,<br>S 315/317 HDH/3, S 315/317/319 GT-HD,<br>S 411/415 HD, S 431 DT, S 416/417 GT-HD | for side flap                | 320 N        | <b>9467 500 236</b> |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD                                                                                                                    | for side flap                | 700 N        | <b>9467 500 736</b> |

Continued on the next page ...

... continued from the previous page

| suitable for                                                                                                                  | Version                                                       | Spring force | Order no.           |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------|---------------------|
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411 HD                                                               | for side flap                                                 | 200 N        | <b>9279 908 872</b> |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                             | for side flap                                                 | 150 N        | <b>9270 083 941</b> |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                             | for side flap                                                 | 500 N        | <b>9271 000 474</b> |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                             | for side flap                                                 | 400 N        | <b>9279 908 319</b> |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                             | for side flap                                                 | 300 N        | <b>1100 190 070</b> |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX)                                                                         | for side flap                                                 | 200 N        | <b>9279 908 318</b> |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX)                                                                         | for side flap                                                 | 600 N        | <b>9279 908 911</b> |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX)                                                                         | for engine compartment hatch                                  | 700 N        | <b>9279 908 629</b> |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                              | for side flap                                                 | 300 N        | <b>9279 908 873</b> |
| <b>Neoplan</b> Starliner (N 52XX)                                                                                             | for side flap                                                 | 750 N        | <b>9279 988 034</b> |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3,<br>S 328 DT, S 315/317/319 GT-HD, S 415 HD, S 431 DT,<br>S 416 GT-HD | for side flap                                                 | 220 N        | <b>9467 500 436</b> |
| <b>Setra</b> S 312/315 HD, S 315 HDH/2, S 411/415 HD,<br>S 416/417 HDH, S 431 DT                                              | for side flap                                                 | 700 N        | <b>9461 580 500</b> |
| <b>Setra</b> S 416/417 HDH                                                                                                    | for side flap                                                 | 1050 N       | <b>2881 502 036</b> |
| <b>Setra</b> S 416 HDH                                                                                                        | for side flap                                                 | 200 N        | <b>9271 000 331</b> |
| <b>Setra</b> S 431 DT                                                                                                         | for side flap                                                 | 100 N        | <b>2817 501 636</b> |
| <b>Solaris</b> Urbino III                                                                                                     | for engine compartment hatch                                  | 500 N        | <b>7512 110 003</b> |
| <b>Solaris</b> Urbino III                                                                                                     | for engine compartment hatch                                  | 700 N        | <b>7565 042 298</b> |
| <b>Solaris</b> Urbino III                                                                                                     | for engine housing hatch                                      | 150 N        | <b>7565 042 439</b> |
| <b>Solaris</b> Urbino III                                                                                                     | for battery compartment hatch                                 | 400 N        | <b>7565 042 616</b> |
| <b>VDL</b> Bova Magiq                                                                                                         | for side flap                                                 | 700 N        | <b>9279 908 144</b> |
| <b>VDL</b> Bova Magiq                                                                                                         | for side flap                                                 | 800 N        | <b>9279 908 142</b> |
| <b>VDL</b> Bova Magiq                                                                                                         | for side flap                                                 | 760 N        | <b>9279 982 506</b> |
| <b>VDL</b> Bova Magiq                                                                                                         | for engine compartment hatch,<br>left                         | 350 N        | <b>9279 908 692</b> |
| <b>VDL</b> Bova Magiq                                                                                                         | for engine compartment hatch,<br>right                        | 350 N        | <b>2881 095 494</b> |
| <b>VDL</b> Bova Magiq                                                                                                         | for bumpers, front                                            | 150 N        | <b>1100 276 230</b> |
| <b>Volvo</b> B12B, B12R, 9700, 9900                                                                                           | for front/side/engine compartment<br>hatch and emergency seat | 600 N        | <b>2881 023 759</b> |
| <b>Volvo</b> B12B, B13R                                                                                                       | for side/engine hatch                                         | 900 N        | <b>2881 001 554</b> |
| <b>Volvo</b> B13R                                                                                                             | for front flap                                                | 600 N        | <b>9279 908 771</b> |
| <b>Volvo</b> B5LH, B9L                                                                                                        | for side flap                                                 | 150 N        | <b>9279 908 025</b> |
| <b>Volvo</b> B5LH, B9L                                                                                                        | for engine compartment hatch                                  | 500 N        | <b>9279 908 908</b> |
| <b>Volvo</b> B9R, B12B, B12R, B13R                                                                                            | for side/engine hatch                                         | 700 N        | <b>1100 189 155</b> |



# Perfection in welding

The most modern welding technology for  
body construction



In recent years, the requirements for welding equipment in body construction have changed a great deal.

In today's modern vehicles, high-strength steels and aluminium are to be found in the most varied combinations. The safety concepts of the vehicle manufacturers for the crash behaviour of the vehicle make high demands on the welded joints.

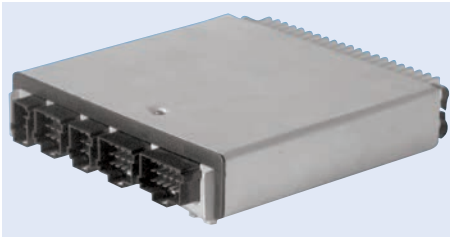
**With Migatronic, EUROPART has the perfect partner for these requirements. Let us advise you, without any obligation! We would also like to visit you with our mobile welding unit!**

More information from:

[www.europart.net](http://www.europart.net)

**MIGATRONIC**

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PART** 



## WABCO

### Control unit for door operation

Version MTS-EX  
Length 197,5 mm  
Width 178 mm  
Depth 45,3 mm

**Application range**  
for electric doors

**Order no.**

**0761 900 100**

**Comparative no.**

WABCO 446 190 011 0



## WABCO

### Pressure switch

Operating pressure 10 bar  
Switching pressure  $4 \pm 0,4$  bar  
Connection thread M12 x 1,5

This figure corresponds to 0210 140 170

| suitable for                                                                                                                                                  | Type       | Order no.           | Comparative no.     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)<br><b>Solaris</b> Urbino III                                                                                      | Off switch | <b>0210 140 130</b> | WABCO 441 014 013 0 |
| <b>MAN</b> Lion's City (A21), EL (A12), NG (A11/A23), NL (A10/A15)<br><b>Mercedes-Benz</b> Citaro II (O 530)<br><b>Solaris</b> Urbino<br><b>Van Hool</b> A330 | On switch  | <b>0210 140 170</b> | WABCO 441 014 017 0 |

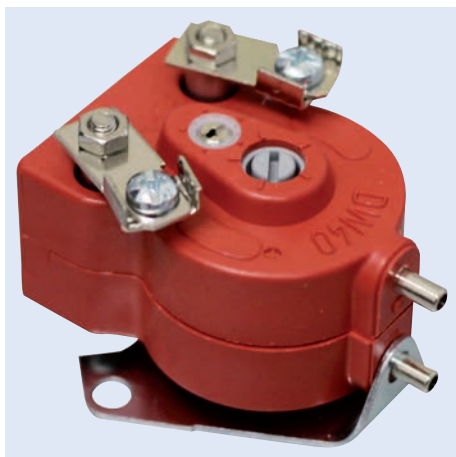


## WABCO

### Pressure switch

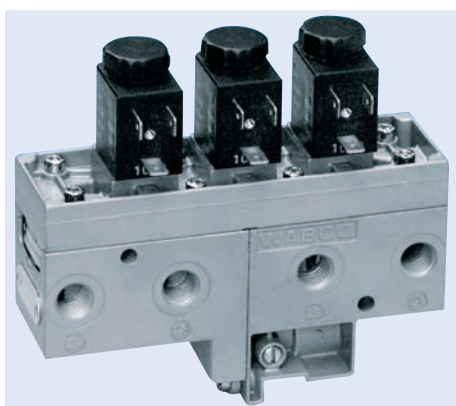
Type On switch  
Operating pressure 10 bar bar  
Switching pressure  $0,5 \pm 0,1$  bar  
Connection thread M12 x 1,5

| suitable for                                            | Order no.           | Comparative no.     |
|---------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> NL (A10)<br><b>Neoplan</b><br><b>Solaris</b> | <b>0210 140 210</b> | WABCO 441 014 021 0 |



## Pressure wave switch

| suitable for                                                                                                                                             | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>MAN</b>                                                                                                                                               | <b>3501 196 030</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37/A39/A47),<br>EL (A12), NG (A11/A18), NL (A10/A15)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Volvo</b> | <b>3501 196 000</b> |



## WABCO

### Solenoid valve for MTS

|                    |             |
|--------------------|-------------|
| Connection thread  | M12 x 1,5   |
| Operating pressure | max. 10 bar |
| Nominal width      | 12,6 mm     |
| Voltage            | 24 V        |

| suitable for                                                                                                                                                                                                    | Order no.           | Comparative no.     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A37/A47), Lion's Coach (R07/R08), Lion's Star (R02/R03)<br><b>Mercedes-Benz</b> Citaro (O 530)<br><b>Solaris</b> Urbino<br><b>Van Hool</b> A330<br><b>VDL</b> Citea<br><b>Volvo</b> B12 | <b>0376 000 220</b> | WABCO 472 600 022 0 |



## WABCO

### Door sensor

Version actuation angle  $125^\circ \pm 3^\circ$

| suitable for                                                  | Order no.           | Comparative no.     |
|---------------------------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I (O 530)<br><b>Van Hool</b> A330 | <b>0761 901 500</b> | WABCO 446 190 150 0 |

On page 621 you can find a closing force measuring unit for bus doors.



## Door sensor

Version electric  $125^{\circ} \pm 3^{\circ}$

| suitable for                 | Order no.           | Comparative no.     |
|------------------------------|---------------------|---------------------|
| <b>MAN</b> Lion's City (A37) | <b>0761 901 520</b> | WABCO 446 190 152 0 |
| <b>Solaris</b> Urbino        |                     |                     |

## Door cylinder as replacement

|                    |                  |
|--------------------|------------------|
| Version            | Closing cylinder |
| Stroke             | 140 mm           |
| Piston Ø           | 60 mm            |
| Length             | 340 mm           |
| Operating pressure | 8 bar            |
| Thread             | M16              |

| suitable for                                       | Order no.           | Comparative no.     |
|----------------------------------------------------|---------------------|---------------------|
| <b>MAN</b> EL (A12), NG (A11/A23),<br>NL (A10/A15) | <b>0128 081 067</b> | WABCO 422 808 106 7 |



|                    |           |
|--------------------|-----------|
| Stroke             | 140 mm    |
| Piston Ø           | 50 mm     |
| Length             | 288 mm    |
| Operating pressure | 10 bar    |
| Thread             | M12 x 1,5 |

| suitable for                                | Order no.           | Comparative no.     |
|---------------------------------------------|---------------------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530) | <b>0128 120 000</b> | WABCO 422 812 000 0 |
| <b>Setra</b> S 415                          |                     |                     |



| suitable for       | Connection | Order no.           |
|--------------------|------------|---------------------|
| <b>MAN Solaris</b> | 6 mm       | <b>3501 196 010</b> |
| <b>Solaris</b>     | 8 mm       | <b>3501 196 020</b> |

*On page 621 you can find a closing force measuring unit for bus doors.*



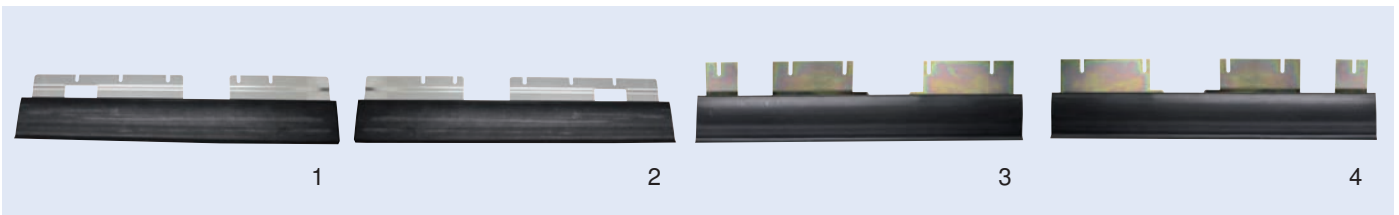
## Toothed wheel

Version adjustable

### Application range

Kiekert door system

| suitable for | Order no.    |
|--------------|--------------|
| MAN          | 3501 195 810 |



## Door seal

### Application range

Kiekert door system

| suitable for                                                                                              | Installation location | Fig. | Order no.    |
|-----------------------------------------------------------------------------------------------------------|-----------------------|------|--------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37/A47)<br><b>Neoplan</b> Centroliner (N 45XX)               | front door leaf       | 1    | 3501 195 870 |
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37/A47)<br><b>Neoplan</b> Centroliner (N 45XX)               | rear door leaf        | 2    | 3501 195 860 |
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Solaris</b> | front, bottom         | 3    | 3501 195 830 |
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Solaris</b> | rear, bottom          | 4    | 3501 195 820 |



## Door bracket

Installation location top

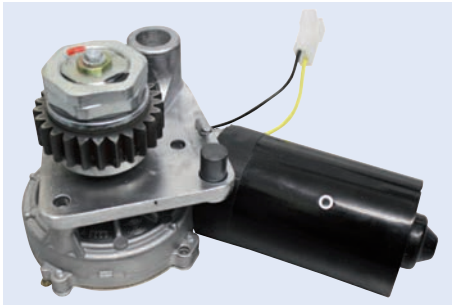
### Application range

Kiekert door system

| suitable for                                                                                                                                                          | Order no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>MAN</b> Lion's City (A20/A21/A23/A25/A26/A37), EL (A12),<br>NL (A10), NG (A11)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Solaris</b><br><b>Volvo</b> 7500, 7700 | 3501 195 840 |

On page 621 you can find a closing force measuring unit for bus doors.





## Electric motor

**complete**

**Application range**

Kiekert door system

**suitable for**

**Order no.**

**MAN** Lion's City (A20/A21/A23/A25/A26/A37/A47), NL (A10/A15),  
NG (A11/A18)

**3501 195 850**

**Neoplan** Centroliner (N 45XX)

**Volvo**



## Catch plate

Form round

**Application range**

Kiekert door system

**suitable for**

**Order no.**

**MAN** Lion's City (A20/A21/A23/A25/A26/A37), NG (A11/A18),  
NL (A10/A15)

**3501 195 880**

**Neoplan** Centroliner (N 45XX)

**Solaris**

**Volvo**



## Catch plate

**Application range**

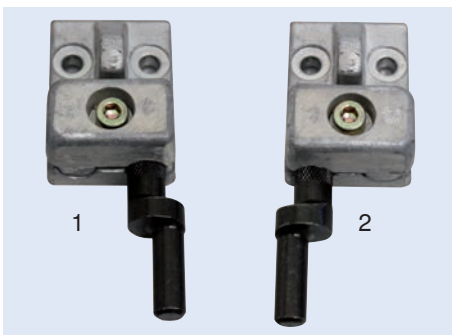
Hübner door system

**suitable for**

**Order no.**

**Solaris**

**3501 195 940**



## Catchpin bracket

**Application range**

Kiekert door system

**suitable for**

**Fig.**

**Order no.**

**MAN** Lion's City (A20/A21/A23/A25/A26/A37/A47)

1

**3501 195 890**

**Neoplan** Centroliner (N 45XX)

**Solaris**

**Volvo** 7500, 7700

**MAN** Lion's City (A20/A21/A23/A25/A26/A37/A47)

2

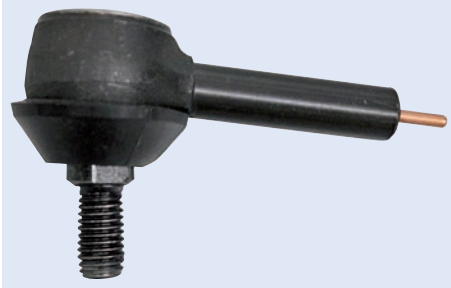
**3501 195 900**

**Neoplan** Centroliner (N 45XX)

**Solaris**

**Volvo** 7500, 7700





## Angled ball joint

Version with thrust shaft

### Application range

Hübner door system

| suitable for | Order no.    |
|--------------|--------------|
| Solaris      | 3501 195 910 |



## Bracket for support arm

### Application range

Hübner door system

| Version              | Installation location | Order no.    |
|----------------------|-----------------------|--------------|
| with thrust shaft    | top                   | 3501 195 920 |
| without thrust shaft | bottom                | 3501 195 930 |



## Rubber strap seal

### Application range

Hübner door system

| suitable for | Installation side | Order no.    |
|--------------|-------------------|--------------|
| Solaris      | left              | 3501 195 960 |
| Solaris      | right             | 3501 195 950 |



## Rubber strap seal set

### Application range

Hübner door system

### Scope of supply

complete

| suitable for | Installation side | Order no.    |
|--------------|-------------------|--------------|
| Solaris      | left              | 3501 195 980 |
| Solaris      | right             | 3501 195 970 |



## Bolt

### Application range

Hübner door system

| suitable for | Order no.    |
|--------------|--------------|
| Solaris      | 3501 195 990 |



## Exchange system

### Variobloc RO\*100

multifunction changeover system for buses and vans together with pin, hook or ball coupling, suitable for rear carrier systems and implements

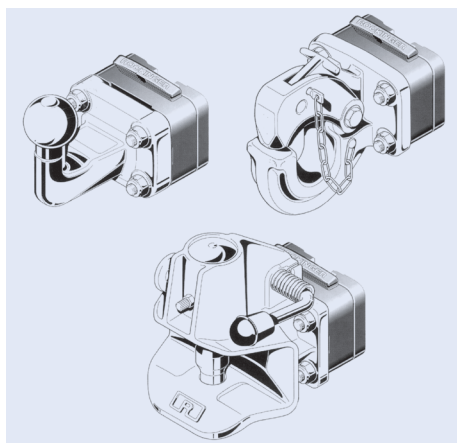
Hole pattern 83 x 56 mm

D-value 30 kN

S-value 250 kg

### Scope of supply

base plate, changeover plate for bolting to the trailer hitch and covering cap



Order no.

3360 100 010

## Selection options

| Description        | D-value | S-value | Order no.    |
|--------------------|---------|---------|--------------|
| Ball head coupling | 24,8 kN | 300 kg  | 3001 024 853 |
| Pin coupling       | 30 kN   | 250 kg  | 3301 301 125 |
| Hook coupling      | 25 kN   | 150 kg  | 3301 301 130 |

## Accessories

| Description        | Version                                                   | Order no.    |
|--------------------|-----------------------------------------------------------|--------------|
| Base plate         | 83 x 56 mm                                                | 3360 100 016 |
| Exchangeable plate | 83 x 56 mm                                                | 3360 100 015 |
| Cover cap          |                                                           | 3360 253 440 |
| Screw set          | 40 mm, for base plate                                     | 3360 707 590 |
| Screw set          | 2 x 50, 2 x 30 mm, for base plate                         | 3360 707 560 |
| Screw set          | 55 mm, for base plate                                     | 3360 705 700 |
| Screw set          | 60 mm, for base plate                                     | 3360 705 580 |
| Screw set          | 110 mm, for base plate                                    | 3360 707 540 |
| Screw set          | 2 x 130, 2 x 40 mm, for base plate                        | 3360 708 050 |
| Screw set          | 50 mm, for pin, hook or ball coupling on changeover plate | 3360 707 550 |
| Screw set          | 60 mm, for ball coupling on changeover plate              | 3360 707 570 |
| Screw set          | 65 mm, for ball coupling on changeover plate              | 3360 707 580 |

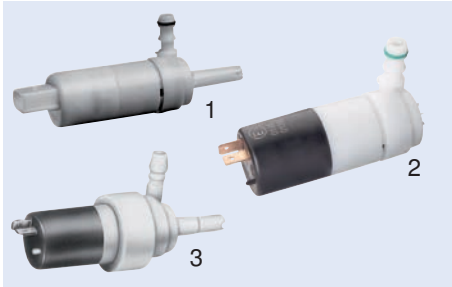
Items for the electrical supply of your bus trailer can be found on page 255.



### Washer water reservoir for windscreen cleaning system

Version with mono pump  
Voltage 24 V  
Volume 8 l

| suitable for            | Order no.    | Comparative no.       |
|-------------------------|--------------|-----------------------|
| Scania K94/114/124, L94 | 0003 966 037 | Hella 8BW 003 966-037 |



### Washer fluid pump

Version single pump, electric  
Voltage 24 V  
Rate of delivery 432 l/h  
Pressure 2,5 bar

Pressure line connection Ø 11 mm  
Suction line connection Ø 10.5 mm

| suitable for                    | Housing-Ø | Fig. | Order no.                 | Comparative no.       |
|---------------------------------|-----------|------|---------------------------|-----------------------|
| Mercedes-Benz Citaro C2 (O 530) | 35 mm     | 1    | 0007 540 391              | Hella 8TW 007 540-391 |
| Neoplan Cityliner (N 12XX)      | 35 mm     | 2    | <sup>1</sup> 0007 540 231 | Hella 8TW 007 540-231 |
| Volvo B12B, 7500, 8500          | 46 mm     | 3    | <sup>1</sup> 0004 764 041 | Hella 8TW 004 764-041 |

<sup>1</sup> Flat plug

#### Accessories

| Description     | Order no.    | Comparative no.       |
|-----------------|--------------|-----------------------|
| Contact housing | 0008 151 021 | Hella 8JD 008 151-021 |



### Washer fluid pump

Version mono pump, electric  
Voltage 24 V  
Rate of delivery 60 l/h  
Pressure 2 bar  
Housing-Ø 35 mm

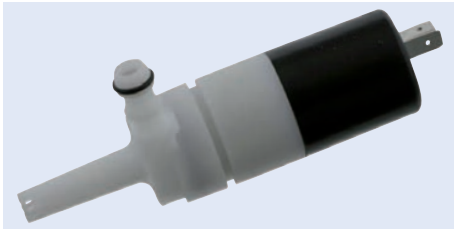
Pressure line connection Ø 6 mm  
Suction line connection Ø 7 mm

| suitable for                                                                                                                                                                                                                                  | Order no.    | Comparative no.        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|
| Mercedes-Benz Citaro II (O 530), Conecto I (O 345), O 405, Tourino (O 510),<br>Tourismo II, Travego I (O 580)                                                                                                                                 | 0005 496 051 | Hella 8TW 005 496 -051 |
| Setra S 309/312/315 HD, S 315 HDH/2, S 315/317 HDH/3, S 328 DT, S 315 GT,<br>S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL, S 315/319 UL-GT, SG 321 UL,<br>S 411/415 HD, S 415/416/417 HDH, S 415/417 GT-HD, S 415 NF, S 415/417/419 UL |              |                        |
| Volvo B7R, B12B, B13R, 8700, 9700, 9900                                                                                                                                                                                                       |              |                        |

#### Accessories

| Description     | Order no.    | Comparative no.       |
|-----------------|--------------|-----------------------|
| Contact housing | 0008 151 021 | Hella 8JD 008 151-021 |

You'll find anti-frost windscreen washer fluids on page 699.



## Washer fluid pump

Voltage 24 V

This figure corresponds to 9478 604 726

| suitable for                                                                                                                                                                                                                                               | Version                                   | Order no.           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------|
| <b>Iveco</b> CityClass                                                                                                                                                                                                                                     | electrical                                | <b>9790 000 380</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37)<br><b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                                                           | dual outlet pump, electric                | <b>5234 856 032</b> |
| <b>MAN</b> Lion's City (A20/A21/A37/A47/A78), Lion's Classic Ü (A72),<br>Lion's Coach (R07/R08), Lion's Regio (R12/R13), EL (A12), NG (A11/A23),<br>NL (A10/A15), NÜ (A20)<br><b>Neoplan</b> Centroliner (N 45XX), Tourliner (N 2216), Trendliner (N 3516) | mono pump with 2 connections,<br>electric | <b>9197 010 000</b> |
| <b>MAN</b> Lion's City (A37)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH, S 431 DT, S 416 GT-HD                                                                                                                                                            | mono pump with 2 connections,<br>electric | <b>9478 604 726</b> |
| <b>Mercedes-Benz</b> Citaro II (O 530), Conecto I (O 345), Tourino (O 510),<br>Tourismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 415/417 GT-HD,<br>S 415 NF, S 415/417/419 UL<br><b>VDL</b> Berkhof Ambassador       | electrical                                | <b>9800 122 021</b> |
| <b>Volvo</b> B7R, B10L, 7500, 8500                                                                                                                                                                                                                         | dual pump, electric                       | <b>9802 252 140</b> |



## Wiper motor

Voltage 24 V

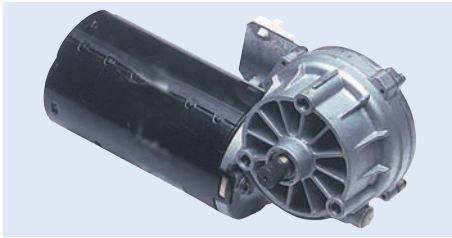
| suitable for                                                                                   | Order no.           |
|------------------------------------------------------------------------------------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408<br><b>VDL</b> Citea<br><b>Volvo</b> B7R, B12B, 8700 | <b>3639 042 451</b> |



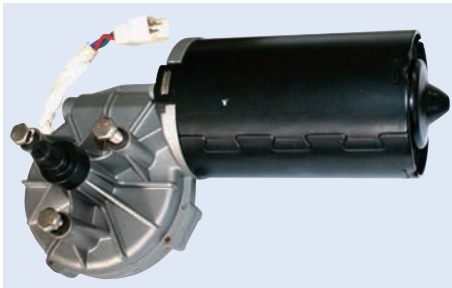
## Wiper motor

Voltage 24 V

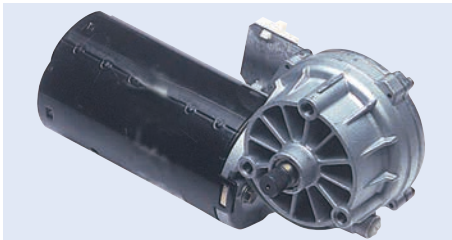
| suitable for                                                                                             | Fig. | Order no.           |
|----------------------------------------------------------------------------------------------------------|------|---------------------|
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>VDL</b> Berkhof Ambassador, Citea                      | 1    | <b>9468 208 342</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)<br><b>Setra</b> S 309/312/315 HD, S 315 HDH/2 | 2    | <b>9790 005 461</b> |
| <b>Mercedes-Benz</b> Travego II                                                                          | 3    | <b>3870 404 398</b> |

**Wiper motor****Application range**

upper windscreen

**suitable for****Order no.****Mercedes-Benz** Travego I (O 580)**9790 005 350****Setra** S 312/315 HD, S 315 HDH/2, S 315/317 HDH/3,  
S 415/416/417 HDH**Wiper motor**

Voltage 24 V

**suitable for****Order no.****MAN** Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72),  
Lion's Coach (RH/FRH), Lion's Star (RH/RHS), EL (A12),  
NG (A11/A23), NL (A10/A15/A21), NÜ (A20)**9790 000 024****Neoplan** Centroliner (N 45XX), Jetliner (N 214/216),  
Transliner (N 314/316)**Solaris** Urbino III**Volvo** B5LH, B9L, B12B, B12R, B13R, 7700, 9700, 9900

(Illustration similar)

**Wiper motor****suitable for****Order no.****Irisbus** Arway, Crossway LE, Récréo II**2590 207 742****Irisbus** Citelis, Citelis CNG**2590 207 741****Irisbus** Magelys HD/Pro**2593 136 629****MAN** Lion's Coach (R07/R08), Lion's Regio (R12/R13)**5234 016 137****Neoplan** Cityliner (N 12XX), Skyliner (2011-), Starliner (N 52XX),  
Tourliner (N 2216), Trendliner (N 3516)**Neoplan** Skyliner (N 1122)**5234 016 004****Solaris** Urbino III**7560 032 541****Volvo** B10L**6170 332 807****Volvo** B13R**6174 427 150****Wiper motor****Application range**

lower windscreen

(Illustration similar)

**suitable for****Order no.****Comparative no.****Mercedes-Benz** Citaro II (O 530)**9462 820 834**

Mercedes-Benz 005 820 83 42

**Mercedes-Benz** Integro II (O 550), Turismo II, Travego I (O 580)**9468 246 801**

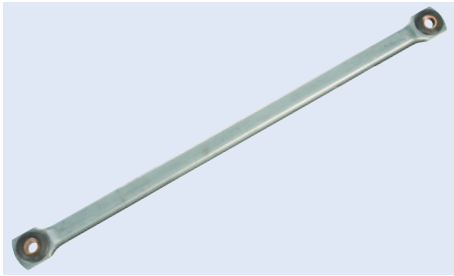
Mercedes-Benz 001 824 68 01

**Setra** S 315 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT,  
S 415/417 GT-HD, S 415 NF, S 415/417/419 UL**Mercedes-Benz** Intouro II, Turismo II**9468 247 401**

Mercedes-Benz 001 824 74 01

**Setra** S 415 HD, S 417 HDH, S 431 DT, S 416/417 GT-HD, S 415/419 UL**Mercedes-Benz** Tourino (O 510)**9468 247 301**

Mercedes-Benz 001 824 73 01



## Wiper rods

This figure corresponds to 9250 104 300

| suitable for                                                                                                                                                  | Installation side | Order no.                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|
| <b>Irisbus</b> Arway, Crossway LE                                                                                                                             | left              | 2596 150 420              |
| <b>Irisbus</b> Arway, Crossway LE                                                                                                                             | centre            | 2590 151 211              |
| <b>Irisbus</b> Arway, Crossway LE                                                                                                                             | right             | 2596 150 419              |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                           | left              | 9250 104 300              |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                           | centre            | 2590 197 254              |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                           | right             | 9250 105 744              |
| <b>Irisbus</b> Eurorider                                                                                                                                      |                   | <sup>1</sup> 2592 546 866 |
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15/A21)<br><b>Neoplan</b> Centroliner (N 45XX)         | left              | 5234 116 072              |
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15/A21)<br><b>Neoplan</b> Centroliner (N 45XX)         | centre            | 5234 116 023              |
| <b>MAN</b> Lion's City (A20/A23/A37/A47/A78), Lion's Classic Ü (A72), EL (A12), NG (A11/A23), NL (A10/A15/A21)<br><b>Neoplan</b> Centroliner (N 45XX)         | right             | 5234 116 073              |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216)                                                                | left              | 5234 116 105              |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                           | centre            | 5234 116 107              |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                           | right             | 5234 116 104              |
| <b>Mercedes-Benz</b> Citaro I/II (O 530)                                                                                                                      |                   | <sup>1</sup> 9468 200 340 |
| <b>Mercedes-Benz</b> Citaro I (O 530)                                                                                                                         |                   | <sup>1</sup> 9462 882 001 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                                                                    |                   | <sup>1</sup> 9461 820 004 |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II, Tourismo II<br><b>Setra</b> S 315 UL, S 411/415 HD, S 415/417 HDH, S 415/416/417 GT-HD, S 415/417/419 UL |                   | <sup>1</sup> 9468 205 141 |
| <b>Mercedes-Benz</b> Citaro C2 (O 530)                                                                                                                        |                   | <sup>1</sup> 9464 820 004 |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                    | left              | 9468 200 541              |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                    | centre            | 9468 200 641              |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408                                                                                                                    | right             | 9468 200 741              |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 415 GT-HD, S 419 UL                                                                                        | left              | 9468 244 605              |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 415 GT-HD, S 419 UL                                                                                        | centre, left      | 9468 244 705              |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 415 GT-HD, S 419 UL                                                                                        | centre, right     | 9468 244 805              |
| <b>Mercedes-Benz</b> Tourismo II<br><b>Setra</b> S 415 GT-HD, S 419 UL                                                                                        | right             | 9468 244 905              |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 411/415 HD, S 415/417 HDH                                                                            |                   | <sup>1</sup> 9468 205 041 |
| <b>Mercedes-Benz</b> Travego II<br><b>Setra</b> S 415/416/417 HDH, S 415/416/417/419 GT-HD                                                                    | top               | 9468 205 741              |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                                                             | top               | 5234 110 005              |

Continued on the next page ...



... continued from the previous page

| suitable for                                          | Installation side | Order no.                        |
|-------------------------------------------------------|-------------------|----------------------------------|
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX) |                   | <sup>1</sup> <b>5234 116 013</b> |
| <b>Neoplan</b> Skyliner (2011-)                       |                   | <sup>1</sup> <b>5234 116 024</b> |
| <b>Neoplan</b> Skyliner (N 1122)                      |                   | <sup>1</sup> <b>5234 116 015</b> |
| <b>Setra</b> S 415 NF                                 |                   | <sup>1</sup> <b>9468 820 024</b> |
| <b>Solaris</b> Urbino III (U18)                       | left              | <b>7560 032 546</b>              |
| <b>Solaris</b> Urbino III (U18)                       | centre            | <b>7560 032 544</b>              |
| <b>Solaris</b> Urbino III (U18)                       | right             | <b>7560 032 543</b>              |
| <b>Volvo</b> B5LH, B9L, 7700                          |                   | <sup>1</sup> <b>6170 513 923</b> |
| <b>Volvo</b> B7R, B12B, 8700                          |                   | <sup>1</sup> <b>6173 200 007</b> |
| <b>Volvo</b> B12B, 8700                               |                   | <sup>1</sup> <b>6170 780 859</b> |
| <b>Volvo</b> B12B, 9700, 9900                         |                   | <sup>1</sup> <b>6170 348 297</b> |
| <b>Volvo</b> B12B, B12R, B13R, 9700, 9900             |                   | <sup>1</sup> <b>6170 850 483</b> |
| <b>Volvo</b> B13R, 9900                               |                   | <sup>1</sup> <b>6174 427 152</b> |

<sup>1</sup> Complete linkage**Accessories**

| suitable for                                                   | Description                      | Order no.           | Comparative no.   |
|----------------------------------------------------------------|----------------------------------|---------------------|-------------------|
| <b>MAN</b> Lion's City (A37), EL (A12), NG (A11), NL (A10/A15) | Clamping levers for wiper motor  | <b>9790 001 499</b> | MAN 81.26410-6017 |
| <b>Neoplan</b> Jetliner (N 2XX), Transliner (N 316/321)        |                                  |                     |                   |
| <b>Neoplan</b> Cityliner (N 12XX)                              | Cranked lever for wiper linkage  | <b>5234 106 000</b> | MAN 36.26410-6000 |
| <b>Neoplan</b> Cityliner (N 12XX)                              | Coupling piece for wiper linkage | <b>5234 110 005</b> | MAN 36.26411-0005 |
| <b>Neoplan</b> Cityliner (N 12XX)                              | Clamping levers for wiper motor  | <b>5236 410 000</b> | MAN 36.26410-0001 |

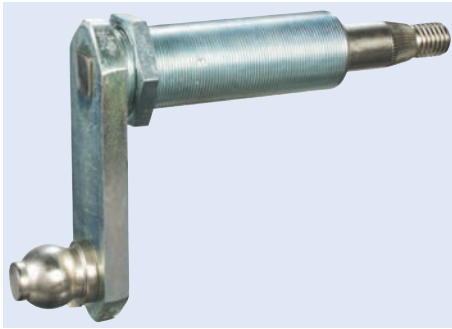
**Wiper rods**

Version fixed

| suitable for                         | Installation side | Order no.           |
|--------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> Tourino (O 510) | left              | <b>9468 244 405</b> |
| <b>Mercedes-Benz</b> Tourino (O 510) | centre            | <b>9468 244 305</b> |
| <b>Mercedes-Benz</b> Tourino (O 510) | right             | <b>9468 244 505</b> |

**Accessories**

| Description      | Installation side | Order no.           | Comparative no.             |
|------------------|-------------------|---------------------|-----------------------------|
| Connecting plate | left              | <b>9468 240 114</b> | Mercedes-Benz 444 824 01 14 |
| Connecting plate | right             | <b>9468 240 014</b> | Mercedes-Benz 444 824 00 14 |



### Wiper bearing

| suitable for                               | Installation side | Order no.           |
|--------------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | left              | <b>3858 003 297</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | centre            | <b>3858 003 299</b> |
| <b>Mercedes-Benz</b> O 405 N, O 407, O 408 | right             | <b>3858 003 298</b> |

This figure corresponds to 3858 003 297

### Wiper bearing

| suitable for                                                                                                                                                         | Installation side | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>Irisbus</b> Arway, Crossway LE                                                                                                                                    | left              | <b>2590 019 551</b> |
| <b>Irisbus</b> Arway, Crossway LE                                                                                                                                    | centre            | <b>2590 019 553</b> |
| <b>Irisbus</b> Arway, Crossway LE                                                                                                                                    | right             | <b>2590 456 654</b> |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                                  | left              | <b>2590 788 828</b> |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                                  | centre            | <b>2590 197 255</b> |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                                  | right             | <b>2590 788 827</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                          | left              | <b>5234 216 028</b> |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                                                                          | right             | <b>5234 216 029</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78),<br>Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                               | left              | <b>5234 216 043</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78),<br>Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                               | centre            | <b>5234 216 022</b> |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78),<br>Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                               | right             | <b>5234 216 042</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                  | left              | <b>5234 216 045</b> |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516)                                                  | right             | <b>5234 210 064</b> |
| <b>Mercedes-Benz</b> Intouro II, Turismo II, Travego I (O 580)<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415/417 UL | left              | <b>9461 820 044</b> |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II, Turismo II<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH,<br>S 415/416/417 GT-HD, S 415/417/419 UL      | right             | <b>9468 200 346</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                 | left              | <b>9468 210 049</b> |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                                                                 | right             | <b>9468 210 149</b> |
| <b>Mercedes-Benz</b> Travego II                                                                                                                                      | top               | <b>9468 209 746</b> |
| <b>Setra</b> S 415 NF                                                                                                                                                | left              | <b>9468 201 246</b> |
| <b>Setra</b> S 415 NF                                                                                                                                                | right             | <b>9468 201 346</b> |
| <b>Solaris</b> Urbino III (U12)                                                                                                                                      | left              | <b>7560 032 280</b> |
| <b>Solaris</b> Urbino III (U12)                                                                                                                                      | right             | <b>7560 032 130</b> |
| <b>Solaris</b> Urbino III (U18)                                                                                                                                      | left/right        | <b>7560 032 542</b> |
| <b>Solaris</b> Urbino III (U18)                                                                                                                                      | centre            | <b>7560 032 545</b> |
| <b>Volvo</b> B12B, B12R, 9700, 9900                                                                                                                                  | left              | <b>6170 360 508</b> |
| <b>Volvo</b> B12B, B12R, 9700, 9900                                                                                                                                  | right             | <b>6170 360 509</b> |

### Fastening set for wiper bearing

| suitable for                                               | Order no.           |
|------------------------------------------------------------|---------------------|
| <b>MAN</b> Lion's City (A37)                               | <b>5234 006 099</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350) | <b>9466 820 054</b> |

### Wiper arm shaft

| suitable for                  | Installation location | Order no.           |
|-------------------------------|-----------------------|---------------------|
| <b>Volvo</b> B12B, B13R       | top                   | <b>6174 427 154</b> |
| <b>Volvo</b> B12B, B13R, 9900 | bottom                | <b>6170 310 191</b> |



This figure corresponds to 9460 223 517



### Wiper arm

| suitable for                                  | Installation side | Order no.           |
|-----------------------------------------------|-------------------|---------------------|
| <b>Mercedes-Benz</b> O 405 N                  | left              | <b>3850 200 045</b> |
| <b>Volvo</b> B7R, B10L, B12, B12B, 7500, 8500 |                   |                     |
| <b>Mercedes-Benz</b> O 405 N                  | right             | <b>3850 200 046</b> |
| <b>Volvo</b> B7R, B10L, B12, B12B, 7500, 8500 |                   |                     |
| <b>Mercedes-Benz</b> O 407, O 408             | left              | <b>9460 223 517</b> |
| <b>Mercedes-Benz</b> O 407, O 408             | right             | <b>9460 223 518</b> |
| <b>Volvo</b> B7R, B12B, 8700                  | left              | <b>3639 801 807</b> |
| <b>Volvo</b> B7R, B12B, 8700                  | right             | <b>3639 801 808</b> |



### Wiper arm

This figure corresponds to 1325 182 043

| suitable for                                                                                                                                                                                                                                                                                             | Installation side | Order no.           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                                                                                                                                                                      | left              | <b>2590 019 217</b> |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                                                                                                                                                                                                      | right             | <b>9250 106 999</b> |
| <b>MAN</b> Lion's City (A21/A23/A37/A47/A78), Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                                                          | left              | <b>5234 306 058</b> |
| <b>MAN</b> Lion's City (A21/A23/A37/A47/A78), Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Neoplan</b> Centroliner (N 45XX)                                                                                                                                                                          | right             | <b>5234 306 059</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                                                                                                                                                                                                               | left              | <b>9468 202 244</b> |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                                                                                                                                                                                                               | right             | <b>9790 108 974</b> |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II, Tourismo II, Travego I/II (O 580)<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415 NF, S 415 UL, S 417/419 UL | left              | <b>1325 820 424</b> |
| <b>Mercedes-Benz</b> Integro II (O 550), Intouro II, Tourismo II, Travego II<br><b>Setra</b> S 315 GT, S 315/317/319 GT-HD, S 315/319 NF, S 313/315/319 UL,<br>S 315/319 UL-GT, SG 321 UL, S 411/415 HD, S 415/416/417 HDH, S 431 DT,<br>S 415/416/417 GT-HD, S 415 NF, S 415 UL, S 417/419 UL           | right             | <b>1325 182 043</b> |



Wiper arm

This figure corresponds to 9468 820 014

| suitable for                                                                                                        | Installation side | Order no.    |
|---------------------------------------------------------------------------------------------------------------------|-------------------|--------------|
| <b>Irisbus</b> Arway, Crossway LE, Récréo II                                                                        | left              | 2590 019 545 |
| <b>Irisbus</b> Arway, Crossway LE, Récréo II                                                                        | right             | 2590 197 364 |
| <b>Irisbus</b> Citelis, Citelis CNG                                                                                 | left              | 2590 019 217 |
| <b>Irisbus</b> Magelys HD/Pro                                                                                       | left              | 2593 136 627 |
| <b>Irisbus</b> Magelys HD/Pro                                                                                       | right             | 2593 136 626 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                         | left              | 5234 306 047 |
| <b>MAN</b> EL (A12), NG (A11), NL (A10/A15)                                                                         | right             | 9790 000 552 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516) | left              | 5234 300 121 |
| <b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13)<br><b>Neoplan</b> Tourliner (N 2216), Trendliner (N 3516) | right             | 5234 300 120 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)                                                                         | left              | 9468 820 014 |
| <b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)                                                                         | right             | 9468 200 244 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                          | left              | 9468 202 244 |
| <b>Mercedes-Benz</b> Conecto I (O 345), Tourismo I (O 350)                                                          | right             | 9790 108 974 |
| <b>Mercedes-Benz</b> O 405 N                                                                                        | left              | 9460 223 523 |
| <b>Mercedes-Benz</b> O 405 N                                                                                        | right             | 9460 223 524 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                | left              | 9468 246 428 |
| <b>Mercedes-Benz</b> Tourino (O 510)                                                                                | right             | 9468 246 528 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                   | top               | 5234 306 007 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                   | left              | 5234 306 015 |
| <b>Neoplan</b> Cityliner (N 12XX)                                                                                   | right             | 5234 306 016 |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX)                                                               | left              | 5234 306 003 |
| <b>Neoplan</b> Cityliner (N 12XX), Starliner (N 52XX)                                                               | right             | 5234 306 002 |
| <b>Neoplan</b> Skyliner (2011-)                                                                                     | top               | 5236 430 600 |
| <b>Neoplan</b> Skyliner (2011-)                                                                                     | left              | 5234 306 029 |
| <b>Neoplan</b> Skyliner (2011-)                                                                                     | right             | 5234 306 031 |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                    | left/right        | 5234 300 102 |
| <b>Solaris</b> Urbino III (U12)                                                                                     | left              | 7565 042 679 |
| <b>Solaris</b> Urbino III (U12)                                                                                     | right             | 7560 032 000 |
| <b>Solaris</b> Urbino III (U18)                                                                                     | left              | 7560 032 539 |
| <b>Solaris</b> Urbino III (U18)                                                                                     | right             | 7750 032 536 |
| <b>Volvo</b> B12B, 8700                                                                                             | left              | 6170 861 397 |
| <b>Volvo</b> B12B, 8700                                                                                             | right             | 6170 861 403 |
| <b>Volvo</b> B13R, 9900                                                                                             | top               | 6174 427 156 |
| <b>Volvo</b> B12B, B12R, B13R, 9700, 9900                                                                           | left              | 6170 348 300 |
| <b>Volvo</b> B12B, B12R, B13R, 9700, 9900                                                                           | right             | 6170 348 301 |
| <b>Volvo</b> B5LH, B9L, 7700                                                                                        | left              | 6170 505 209 |
| <b>Volvo</b> B5LH, B9L, 7700                                                                                        | right             | 6170 505 210 |



**EURO  
PART**  
Wiper blade

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Length  | Version                  | Order no.           | Comparative no. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------|---------------------|-----------------|
| <b>Irisbus</b> Agora, Arway, Citelis, Crossway LE, Evadys, Iliade, Magelys, Récréo II<br><b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (2004-)<br><b>Mercedes-Benz</b> O 404, O 407, O 408, Tourino (O 510)<br><b>Neoplan</b> Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 315/317 HDH<br><b>Solaris</b> Urbino II/III, Vacanza<br><b>Temsa</b> Avenue LF, Safari 12/13 IC<br><b>Van Hool</b> T 911/916/917<br><b>VDL</b> Bova Futura, Bova Magiq<br><b>Volvo</b> B5LH, B9L, B9R, B10B, B10L, B10M, B12, 7700, 8700 | 1000 mm | with 3 adapters          | <b>7257 002 040</b> | SWF 132.000     |
| <b>Irisbus</b> Axer<br><b>MAN</b> NG (A11), NL (A10/A15)<br><b>Mercedes-Benz</b> O 405 N<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)<br><b>Solaris</b> Urbino III                                                                                                                                                                                                                                                                                                                                                                                                  | 800 mm  | with 3 adapters          | <b>7257 002 050</b> | SWF 132.801     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), NG A23), NL (A21)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Temsa</b> Tourmalin IC                                                                                                                                                                                                                                                                                                                                                                | 900 mm  | hook inserted from below | <b>7257 002 060</b> | SWF 132.901     |
| <b>MAN</b> Lion's Star, NÜ, ÜL<br><b>Mercedes-Benz</b> Cito (O 520), Conecto I (O 345), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Neoplan</b> Cityliner (N 116), Euroliner (N 313/N 3316)<br><b>Scania</b> Citywide LE, Touring<br><b>Setra</b> S 309/312/315 HD, S 315 HDH, S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417/419 UL<br><b>VDL</b> Berkhof Ambassador, Citea<br><b>Volvo</b> B12M, 9500, 9700, 9900                                                                           | 1000 mm |                          | <b>7257 002 070</b> | SWF 132.001     |
| <b>Mercedes-Benz</b> O 405 N, Tourino (O 510)<br><b>Neoplan</b><br><b>Setra</b> S 328 DT<br><b>Van Hool</b> A300/308/309/320/330, AG300                                                                                                                                                                                                                                                                                                                                                                                                                                       | 900 mm  | with 1 adapter           | <b>7257 002 030</b> | SWF 132.900     |
| <b>Mercedes-Benz</b> Travego I (O 580)<br><b>Setra</b> S 315/317 HDH, S 415/417 HDH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 550 mm  | with 2 adapters          | <b>7257 002 080</b> | SWF 132.550     |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 700 mm  | with 4 adapters          | <b>7257 002 110</b> | SWF 132.701     |



Wiper blade

| suitable for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Length  | Version                  | Order no.           | Comparative no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------|---------------------|-----------------|
| <b>Irisbus</b> Agora, Arway, Citelis, Crossway LE, Evadys, Illade, Magelys, Récréo II<br><b>MAN</b> Lion's Coach (R07/R08), Lion's Regio (R12/R13), Lion's Star (2004-)<br><b>Mercedes-Benz</b> O 404, O 407, O 408, Tourino (O 510)<br><b>Neoplan</b> Starliner (N 52XX), Tourliner (N 2216), Trendliner (N 3516)<br><b>Setra</b> S 315/317 HDH<br><b>Solaris</b> Urbino II/III, Vacanza<br><b>Temsa</b> Avenue LF, Safari 12/13 IC<br><b>Van Hool</b> T 911/916/917<br><b>VDL</b> Bova Futura, Bova Magiq<br><b>Volvo</b> B5LH, B9L, B9R, B10B, B10L, B10M, B12, 7700, 8700  | 1000 mm | with threaded connection | <b>9790 000 047</b> | SWF 132.000     |
| <b>Irisbus</b> Axer<br><b>MAN</b> NG (A11), NL (A10/A15), NM 152<br><b>Mercedes-Benz</b> O 405 N<br><b>Neoplan</b> Cityliner (N 12XX), Skyliner (2011-)<br><b>Scania</b> OmniCity, OmniLink<br><b>Solaris</b> Urbino III<br><b>Van Hool</b> T900                                                                                                                                                                                                                                                                                                                               | 800 mm  |                          | <b>9790 000 108</b> | SWF 132.801     |
| <b>Iveco</b> CityClass<br><b>MAN</b> Lion's Comfort, Lion's Star (1992-2004), NÜ, ÜL<br><b>Mercedes-Benz</b> Cito (O 520), Conecto I (O 345), Integro II (O 550), Intouro II, Turismo I/II (O 350), Travego I/II (O 580)<br><b>Neoplan</b> Cityliner (N 116), Euroliner (N 313/N 3316), Transliner (N 314/316/321)<br><b>Scania</b> Citywide LE, Touring<br><b>Setra</b> S 315 UL, S 411/415 HD, S 416/417 HDH, S 431 DT, S 415/416/417 GT-HD, S 415 NF, S 415/417 UL<br><b>VDL</b> Berkhof Ambassador, Citea, Jonckheere Mistral<br><b>Volvo</b> B10M, B12M, 9500, 9700, 9900 | 1000 mm | with plug-in connection  | <b>9790 000 048</b> | SWF 132.001     |
| <b>MAN</b> Lion's City (A20/A21/A23/A37/A47/A78), Lion's Classic Ü (A72), NG (A23), NL (A21)<br><b>Mercedes-Benz</b> Citaro I/II/C2 (O 530)<br><b>Neoplan</b> Centroliner (N 45XX)<br><b>Scania</b> OmniLine<br><b>Temsa</b> Tourmalin IC                                                                                                                                                                                                                                                                                                                                      | 900 mm  | with plug-in connection  | <b>9790 130 901</b> | SWF 132.901     |
| <b>Mercedes-Benz</b> O 405 N, Tourino (O 510)<br><b>Neoplan</b> Centroliner<br><b>Van Hool</b> A300/308/309/320/330, AG300, EOS 80/90                                                                                                                                                                                                                                                                                                                                                                                                                                          | 900 mm  | with bolt connection     | <b>9790 000 509</b> | SWF 132.900     |
| <b>Neoplan</b> Skyliner (N 1122)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 700 mm  |                          | <b>9790 000 017</b> | SWF 132.701     |





(Illustration similar)



## Bus driver's seat

### 6860/885 NTS

Full height adjustment with memory function, seat back adjustment, shoulder adjustment, lean and horizontal settings, adjustable vertical movement damper, adjustable cushion depth, integrated pneumatic system (IPS) for adjustment of backrest to individual body contour (lumbar support and adjustable side support), rapid lowering, grey/anthracite seat covering with fine silver coloured stripes

Suspension pneumatic

**vehicle-specific mounting console required**

**Arm rests must be ordered separately.**

| Version                                                                    | Order no.           |
|----------------------------------------------------------------------------|---------------------|
| can be operated from the left and front, fixed                             | <b>9361 020 007</b> |
| can be operated from the right and front, fixed, with seat climate control | <b>9362 020 002</b> |

### Accessories

| Description                             | Order no.           |
|-----------------------------------------|---------------------|
| Arm rest, left                          | <b>9369 296 511</b> |
| Arm rest, right                         | <b>9369 296 521</b> |
| Installed console, fixed, height 177 mm | <b>9369 296 041</b> |
| Installed console, height 144 mm        | <b>9369 366 141</b> |
| Attachment plate                        | <b>9361 111 500</b> |



**Bus driver's seat**  
**Tourea High Performance**

3-point belt system, operating controls on right, damper setting, spring travel 80 mm, height adjustment 100 mm, integrated headrest, length adjustment 200 mm, pneumatic lumbar support, backrest angle adjustment, pneumatic side contour adjustment, seat cushion depth setting, seat angle adjustment, wiring harness pre-installed

**Application range**  
public service vehicles of vehicle class M3 (more than 8 seats and more than 5 tonnes)

| Version                                            | Order no.    |
|----------------------------------------------------|--------------|
| fixed                                              | 9361 503 240 |
| rotating                                           | 9361 503 250 |
| rotating, with active seat ventilation and heating | 9361 179 080 |

**Accessories**

| Description                                         | Order no.    |
|-----------------------------------------------------|--------------|
| Arm rest, left                                      | 9361 029 136 |
| Arm rest, right                                     | 9361 029 137 |
| new driver station, non-rotating, height 144 mm     | 9361 049 682 |
| new driver station, rotating, height 82 mm          | 9361 050 968 |
| earlier driver station, non-rotating, height 172 mm | 9361 078 639 |
| earlier driver station, rotating, height 110 mm     | 9361 050 969 |



### Bus driver's seat Linea High Performance

operating controls on the right, damper setting, spring deflection 80 mm, height adjustment 100 mm, built-in headrest, length adjustment 200 mm, pneumatic lumbar support, backrest angle adjustment, pneumatic side contour adjustment, seat cushion depth adjustment, seat angle adjustment, pre-assembled wiring harness

#### Application range

public service vehicles of vehicle class M3 (more than 8 seats and more than 5 tons)

| Version                                                  | Order no.    |
|----------------------------------------------------------|--------------|
| fixed                                                    | 9361 503 220 |
| can be rotated                                           | 9361 503 230 |
| rapid lowering, with active seat ventilation and heating | 9361 504 140 |

#### Accessories

| Description                                         | Order no.    |
|-----------------------------------------------------|--------------|
| Arm rest, left                                      | 9361 029 136 |
| Arm rest, right                                     | 9361 029 137 |
| new driver station, non-rotating, height 144 mm     | 9361 049 682 |
| new driver station, rotating, height 82 mm          | 9361 050 968 |
| earlier driver station, non-rotating, height 172 mm | 9361 078 639 |
| earlier driver station, rotating, height 110 mm     | 9361 050 969 |


**RECARO**
**Bus driver's seat  
C 6000**

**orthopaedic driver's seat**, combines sturdy technology with quality in detail and attractive design, meets the highest requirements in functionality, ergonomics and durability, also offers the highest comfort during the demanding working day, individual adaptation to the needs of the driver through the numerous adjustment options, the setting controls are intuitive in operation and are located in the best positions ergonomically

Series equipment:

- intuitive adjustment controls using different shapes and feel of the switches and handles, optimally positioned ergonomically
- air suspension
- 3-point seat belt
- integrated seat belt with self-adjusting belt outlet points
- nine-level height adjustment with memory function
- adjustable seat angle
- adjustable seat back sides
- length-adjustable seat cushion
- adjustable vertical damping
- lockable horizontal damping
- adjustable pelvis support
- adjustable lower back support
- depending on vehicle type, armrests foldable, adjustable angle
- comfort unlocking of seat length adjustment
- seat heating, two-level
- rapid lowering
- fabric cover: Black, Silver Seam
- selector lever adapter if necessary
- German ABE (General Operating Permit) for the seat including the console

**with the "Excellent" seal of approval from the German AGR (Action for Healthy Backs Association) for outstanding ergonomics**

---

**Order no.**
**9382 839 381**


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**RECARO**  
**Bus driver's seat**  
**C 7000**

**orthopaedic driver seat**, meets challenging requirements for safety, ergonomics, functionality, durability and comfort, has all the adjustments needed to individually match the seat to the driver's needs, as well as further functions and properties to increase comfort, with attractive Aero 3D material for an optimum seat environment

Series equipment:

- intuitive adjustment controls using different shapes and feel of the switches and handles, optimally positioned ergonomically
- air suspension
- 3-point seat belt
- integrated seat belt with self-adjusting belt outlet points
- nine-level height adjustment with memory function
- adjustable seat angle
- adjustable seat cushion sides
- adjustable seat back sides
- adjustable shoulder support
- length-adjustable seat cushion
- adjustable vertical damping
- lockable horizontal damping
- adjustable pelvis support
- adjustable lower back support
- depending on vehicle type, armrests leather covered, foldable, adjustable angle
- comfort unlocking of seat length adjustment
- two level seat ventilation (can be used at same time as seat heating)
- two level seat heating (can be used at same time as seat ventilation)
- rapid lowering
- seat covering: leather/3D Aero Silver material
- selector lever adapter if necessary
- German ABE (General Operating Permit) for the seat including the console

**with the "Excellent" seal of approval from the German AGR (Action for Healthy Backs Association) for outstanding ergonomics**

Order no.

9382 839 380

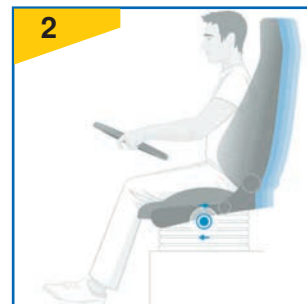
## Adjust the seat height

Adjust the seat height so that the pedals can be easily reached and fully operated. At the same time, having the seat at the correct height should ensure that there is an optimal field of vision to all sides, to the mirrors, displays, vehicle instruments and controls.



## Adjust the longitudinal position

Approach the seatback as closely as possible with your buttocks. Release the seat rail by pulling on the loop and select the distance so that the legs are still slightly bent when the pedals are fully depressed and the front edge of the seat does not cause any uncomfortable pressure points. It should be possible to span the steering wheel with slightly bent arms.



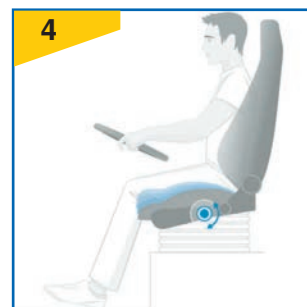
## Adjust the length of the seat cushion

Move the seat cushion by shifting your weight and adjust the length so that the upper leg to just before the back of the knee lies lightly on it without pressure from the seat cushion edge. As a rule of thumb, there should be a distance of two to three finger widths between the back of the knee and the edge of the seat cushion.



## Adjust the seat angle

Pull the handle up until it reaches the stop, then adjust by shifting your weight so that the pedals can easily be fully depressed with slightly bent legs. The upper leg should rest gently on the seat cushion, without any pressure from the front edge being felt. A cushion angle which is too flat can mean sliding forward in the cushion and departure from the supporting backrest. A cushion angle which is



too steep can potentially increase the pressure on the lower spine and thigh.

## Adjust the backrest angle

Approach the backrest as closely as possible with your buttocks. Release the backrest by lifting up the lever, then adjust the angle of incline so that the steering wheel can be well spanned with slightly bent arms. Shoulder contact should be maintained while the steering wheel is being turned.



## Adjust the shoulder support

Release the shoulder support by pulling the lever up and adjust it so that the natural S-shape of the spine is optimally matched. The shoulders should make contact with the backrest without pressure being exerted. In this way, the upper back is supported, the neck muscles are relieved and tension is prevented.





### Adjust the pelvis support

Fill or empty the air chamber of the pelvis support by pressing the plus or minus symbol. Adjust the pelvis support so that the pelvis is supported at the pelvic ridge and is thus held upright.



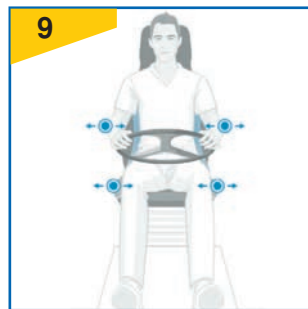
### Adjust lower back support

Fill or empty the air chamber of the lumbar support to individual needs by pressing the plus or minus symbol. The function should support the natural curve of the lower back, without active pressure.



### Adjust the side cheeks

Select the support for the body by narrower or wider side cheeks at the seat cushion (RECARO C 7000 only) and at the backrest so that the upper thigh and upper body have good and comfortable side support in the seat. In doing so, tension and symptoms of fatigue can be prevented, especially on winding or uneven routes or in off-road terrain.



### Select seat environment

The seat heating can be set at two levels, as can the ventilation (RECARO C 7000 only). For an optimum seat environment, match the heating and ventilation to one another, so that the body is comfortably warmed and/or ventilated according to the ambient temperature and individual requirements.



### Adjust vertical damping

The function softens jolts and movements in the vertical direction and thus reduces the vertical load on the body. Hard damper settings for instance lend themselves to elaborate manoeuvring operations. Soft settings reduce the loads on poor road surfaces or in off-road terrain. Locking the vertical damping may be useful to prevent undesirable seat movements on very uneven surfaces.



### Adjust horizontal damping

The horizontal damping is activated by turning the handle to the left until it reaches the stop. With this function, seat jolts and movements in the vehicle longitudinal direction are softened and the horizontal load on the body is thus reduced. Horizontal damping can remain permanently switched on.





### Interior fan for driver station

| suitable for                            | Order no.           | Comparative no.       |
|-----------------------------------------|---------------------|-----------------------|
| <b>MAN</b> Lion's City (A78), NL (A10)  | <b>9100 000 080</b> | Hella 8EW 009 157-261 |
| <b>Mercedes-Benz</b> Tourismo I (O 350) |                     |                       |



### Swan-neck microphone

with integrated wind protection

|                       |               |
|-----------------------|---------------|
| Operating temperature | -20 to +80 °C |
| Frequency             | 200-10000 Hz  |
| Length                | 800 mm        |
| Colour                | black         |

transducer principle: dynamic

sensitivity: - 78 dB(A)

nominal impedance: 250 Ω

#### Application range

specially designed for connection to a Bosch bus system

Order no.

**3850 230 000**



### Percolator

high quality thermal jug in stainless steel with latch strap for secure hold, automatic cut-off after brewing, removable filter with drip-stop valve, designed for use with standard paper filters, removable water tank with water level indicator and safety fixture, LED indicators

|                     |            |
|---------------------|------------|
| Capacity            | 750 ml     |
| Version             | for 6 cups |
| Voltage             | 24 V       |
| Power               | 380 W      |
| Current consumption | 25 A       |
| Width               | 270 mm     |
| Height              | 232 mm     |
| Depth               | 170 mm     |

#### Scope of supply

thermal jug, mounting bracket for wall or floor mounting

Order no.

**9710 188 624**



**WAECO**  
by Dometic GROUP

### Kettle MCK-750-24/N

rugged relay technology, automatically switches off when boiling point is reached, protected against boiling dry, operating indicator

Capacity 0,75 l  
Voltage 24 V  
Power 380 W  
Colour black/aluminium silver

#### Application range

specially developed for mobile applications

#### Scope of supply

mounting kit for wall or floor mounting

Order no.

9710 075 024



**WAECO**  
by Dometic GROUP

### Bottle cooler

wear-free thermo-electrics with external fan, suitable for all standards 1 to 1.5 liter bottles, inner container of aluminium for fast cooling/heating, with simple screw connection

Colour silver grey  
Voltage 12/24 V

cooling mode up to 22 °C below ambient temperature, heating mode up to +60 °C beverage temperature

Order no.

1880 000 810



**WAECO**  
by Dometic GROUP

### Cool box COOLMATIC

sturdy top catches and hinges, interior light, standing height for 2 litre bottles, DC and AC connection cables, removable basket, detachable carrying handles

Voltage 12/24 V DC, 110-240 V AC  
Power consumption 65 W  
Temperature range +10 to -18 °C  
Length 790 mm  
Width 500 mm

| Type     | Capacity | Height | Order no.    |
|----------|----------|--------|--------------|
| CF-080AC | 80 l     | 455 mm | 9710 100 800 |
| CF-110AC | 106 l    | 555 mm | 9710 101 100 |


**WAECO**  
 by Dometic GROUP

### Compressor cool box

#### CoolFreeze CDF-35

with integrated control electronics, undervoltage protection can be set for load- or starter battery, electronic fuse, automatic protection against polarity inversion, dynamically ventilated wire pipe capacitor, standing height for 1.5-litre reusable bottles

Volume 31 l  
 Width 560 mm  
 Height 380 mm  
 Depth 340 mm  
 Voltage 12/24 V DC

temperature range +10 to -15 °C, continuously variable with electronic thermostat, average power consumption 45 W

#### Application range

for normal cooling and refrigeration

#### Scope of supply

DC connection cable

#### TÜV/GS-tested

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**Order no.**


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**9710 200 301**


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**WAECO**  
 by Dometic GROUP

### Cool box

#### TROPICOL Classic

7-stage temperature control in heating and cooling mode, LED temperature display, memory function stores the last setting, membrane keyboard protects the electronics from dust and humidity, standing height for 1.5-litre reusable bottles

Cooling max. 30 °C below ambient temperature, heating +50 to +65 °C  
 average power drawn 55-80 W

#### TÜV/GS-tested

This figure corresponds to 9712 112 241

| Type    | Volume | Width x height x depth | Order no.           |
|---------|--------|------------------------|---------------------|
| TC-21FL | 21 l   | 450 x 420 x 303 mm     | <b>9712 112 241</b> |
| TC-35FL | 35 l   | 550 x 460 x 376 mm     | <b>9713 212 241</b> |



### Water pump

Voltage 24 V  
 Capacity 3,8 A  
 suitable for on-board pantry and toilet

| Brand         | Order no.           |
|---------------|---------------------|
| Shurflo       | <b>5522 800 095</b> |
| Jabsco Flojet | <b>5492 100 740</b> |



This figure corresponds to 9718 100 241

**WAECO**  
by Dometic GROUP

### Inverter

integrated mains priority circuit, overload and short circuit protection, external ON/OFF switch, connection for remote control, individually adjustable clip-on mounting feet

Input voltage 24 V DC  
Output voltage 230 V AC

#### E type approval

| Type    | Power  | Order no.    |
|---------|--------|--------------|
| PP 1004 | 1000 W | 9718 100 241 |
| PP 2004 | 2000 W | 9718 200 024 |



**WAECO**  
by Dometic GROUP

### Inverter

#### SinePower MSI 1824

- mobile "electrical socket" for use while travelling
- pure sine wave voltage
- secure against overload and short circuit
- can be used for demanding consumers with high starting currents thanks to the very high peak performance
- super-compact construction, low weight
- fast and easy mounting

Power 1800 W  
Dimensions 197,5 x 94,3 x 376 mm  
Input voltage 12/24 V DC  
Output voltage 230 V AC

Order no.

1880 600 029

Frame, coachwork, vehicle equipment

11



**WAECO**  
by Dometic GROUP

### Voltage converter

#### PerfectPower

high efficiency (up to 90 %), low heat development, compact design, low weight, easy to install

Input voltage 20-30 V DC  
Output voltage 13,8 V DC  
Input quiescent current 8 mA(2)

| Type   | Rated input current | Rated output current | Output peak current | Order no.    |
|--------|---------------------|----------------------|---------------------|--------------|
| DCDC06 | 5 A                 | 6 A                  | 10 A                | 9718 102 412 |
| DCDC12 | 10 A                | 12 A                 | 18 A                | 9718 202 412 |
| DCDC24 | 18 A                | 24 A                 | 30 A                | 9718 352 412 |





**WAECO**  
by Dometic GROUP

### Charger

#### PocketPower LC, for laptops

universal charger for laptops and many other end devices

- 13 adapters for more than 400 different laptops
- automatically detects the voltage of the connected device and adjusts the charging voltage to it
- USB and micro USB ports for the simultaneous charging of laptops and mobile phones or other digital end devices
- patented hook mounting
- automatic over and under voltage protection
- LED panel for data display

Order no.

1885 000 022



**WAECO**  
by Dometic GROUP

### Reversing video system

#### PerfectView RVS 750

monitor easily removable thanks to the Easylink support, optimal picture quality even at low temperatures

#### Scope of supply

7 inch colour LCD monitor M 7L:

automatic or manual switch-on options, automatic day/night switchover, normal or mirrored picture function, 2 camera inputs, separately controllable, picture setting can be saved for each camera, speaker, USB port to load MP3 players for example, LED backlighting

colour camera CAM 50C:

normal or mirrored picture function, anodised and powder-coated casing, adjustable sun glare protection, microphone, temperature controlled heating, LDR controlled IR LEDs

Order no.

1881 900 022



**WAECO**  
by Dometic GROUP

### Reversing video system

#### PerfectView RVS 780X

with 7" LCD monitor and colour shutter camera with 145° picture angle, high-end system for maximum ease of use, optimal view at day and night thanks to large 7" colour monitor and light-sensitive infrared LED camera, motorised safety cap to protect against dirt, monitor can be easily removed thanks to Easylink bracket, LCD monitor with LED background lighting, monitor with sequence switching for up to 3 cameras, adjustable distance marks, USB charging output

#### Scope of supply

7" colour LCD monitor including Easylink monitor bracket, colour shutter camera, 20 m connection cable from monitor to camera, monitor wiring harness, mounting accessories for all components

Order no.

9710 000 200



**Warning panel****School bus sign**

retro-reflecting type I

Colour orange/black

| Width  | Height | Material           | Version                                       | Order no.           |
|--------|--------|--------------------|-----------------------------------------------|---------------------|
| 250 mm | 250 mm | Plastic            | with suction cups <sup>1</sup>                | <b>9651 200 020</b> |
| 250 mm | 250 mm | Magnetic film      | <sup>1</sup>                                  | <b>9651 200 010</b> |
| 400 mm | 400 mm | Plastic            | with suction cups <sup>2</sup>                | <b>9652 041 000</b> |
| 400 mm | 400 mm | Magnetic film      | flexible <sup>2</sup>                         | <b>9650 204 105</b> |
| 400 mm | 400 mm | Sheet steel        | without edge protection, folding <sup>2</sup> | <b>9650 204 110</b> |
| 400 mm | 400 mm | Sheet steel        | without edge protection, rigid <sup>2</sup>   | <b>9650 204 100</b> |
| 400 mm | 400 mm | Sheet steel        | folding, Belgium <sup>2</sup>                 | <b>9650 204 111</b> |
| 600 mm | 600 mm | Plastic            | with suction cups <sup>2</sup>                | <b>9651 200 080</b> |
| 600 mm | 600 mm | Magnetic film      | flexible <sup>2</sup>                         | <b>9651 200 070</b> |
| 600 mm | 600 mm | Sheet steel        | without edge protection, rigid <sup>2</sup>   | <b>9650 204 200</b> |
| 600 mm | 600 mm | Sheet steel        | without edge protection, folding <sup>2</sup> | <b>9650 204 210</b> |
| 600 mm | 600 mm | PVC                | blind <sup>2</sup>                            | <b>9651 200 161</b> |
| 600 mm | 600 mm | Self-adhesive film | <sup>2</sup>                                  | <b>9652 042 000</b> |

<sup>1</sup> in accordance with para. 33 sect. 4 of the BOKraft, only with special approval<sup>2</sup> in accordance with para. 33 sect. 4 of the BOKraft**Accessories**

| Description | Order no.           |
|-------------|---------------------|
| Suction cup | <b>9651 200 150</b> |

**Speed sign**

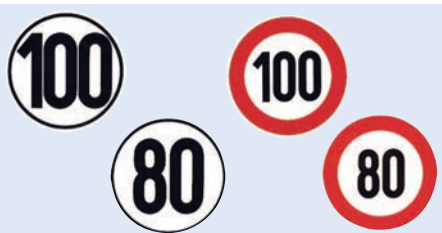
retro-reflecting type I

Ø 200 mm

Colour white/red/black

Material self-adhesive film

| Version  | Order no.           |
|----------|---------------------|
| 80 km/h  | <b>9650 000 530</b> |
| 100 km/h | <b>9650 000 540</b> |

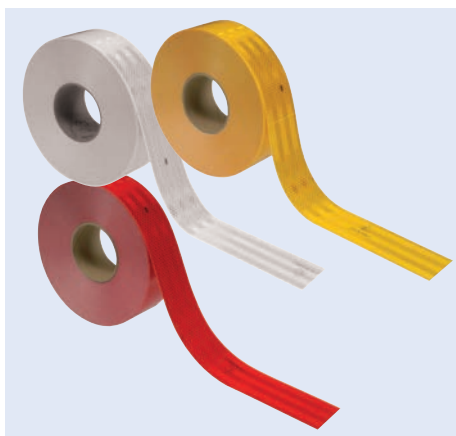
**Speed sign**

non-reflective

Ø 200 mm

Material self-adhesive film

| Version  | Colour          | Order no.           |
|----------|-----------------|---------------------|
| 80 km/h  | white/black     | <b>9652 020 080</b> |
| 80 km/h  | white/red/black | <b>9652 020 081</b> |
| 100 km/h | white/black     | <b>9652 020 100</b> |
| 100 km/h | white/red/black | <b>9652 020 101</b> |



### Reflective tape for marking contours

Special tape for the conspicuous marking of vehicle bodywork (van body/fixed body), to increase the passive safety on parked vehicles, type III retro-reflective.

|           |                 |
|-----------|-----------------|
| Standard  | ECE 104, ECE 48 |
| Container | Roll            |
| Width     | 55 mm           |

| Length | Colour | Order no.    |
|--------|--------|--------------|
| 12,5 m | white  | 9657 200 622 |
| 12,5 m | yellow | 9657 200 632 |
| 12,5 m | red    | 9657 200 652 |
| 50 m   | white  | 9657 200 620 |
| 50 m   | yellow | 9657 200 630 |
| 50 m   | red    | 9657 200 650 |



### Information board

|         |               |
|---------|---------------|
| Version | self-adhesive |
| Length  | 130 mm        |
| Width   | 130 mm        |

| Description                      | Order no.    |
|----------------------------------|--------------|
| Fire extinguisher                | 9652 407 600 |
| Front entrance                   | 9652 419 900 |
| Emergency exit                   | 9652 405 300 |
| Emergency exit, photoluminescent | 9652 410 600 |



Registration plate holders with your individual personal lettering are possible - contact us!



### Registration plate holder/strengthener

UV and weather resistant, car wash proof and secure against frost breakage, easily curved base plate made of polypropylene, advertising band made of polystyrene, easy to fit (insert registration plate, press on advertising band)

#### Application range

for all current vehicle models

| Order no.    |
|--------------|
| 9539 100 677 |

**Emergency hammer**

point made of hardened metal

Colour red

Material polypropylene (PP)

Order no.

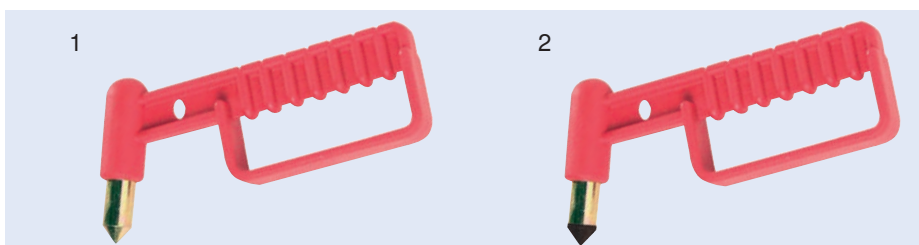
9199 820 000

**Accessories****Description**

Order no.

Bracket

9199 830 000

**Emergency hammer**

Colour red

Material polypropylene (PP)

| Description                                                               | Version                        | Fig. | Order no.    |
|---------------------------------------------------------------------------|--------------------------------|------|--------------|
| tips made of carbide                                                      | with finger protection         | 1    | 9199 830 010 |
| Hardened metal tip with protective cap of flexible low-density PE plastic | with anti-vandalism protection | 2    | 9192 740 045 |

**Accessories**

| Description | Order no.    |
|-------------|--------------|
| Bracket     | 9199 830 020 |

**Emergency hammer**

Version new version

Colour red

**Scope of supply**

with bracket

Order no.

9199 830 011

**Emergency hammer**

with anti-theft protection through a 1500 mm long steel rope

Colour red

Material Polypropylene (PP)

**Scope of supply**

with bracket

Order no.

9199 830 030

While carrying your passengers, different regulations must be complied with in the various countries. For instance, carrying warning vests is already an obligation in the majority of countries.

Avoid the fines which may sometimes be heavy and keep informed of the respective features in the overview provided below.

|                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|
|    | ✓                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ✓                                                                                 |                                                                                   | ✓                                                                                 |                                                                                   | ✓                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |    |
|    | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓  |
|    | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | 2x                                                                                  | ✓                                                                                   | 2x                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |    |
|    |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ✓                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ✓                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |                                                                                     |                                                                                     |                                                                                     | ✓                                                                                   |    |
|    |                                                                                   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |    |
|   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ✓                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |    |
|  |                                                                                   | ✓                                                                                 | ✓*                                                                                | ✓*                                                                                | ✓*                                                                                |                                                                                   |                                                                                   |                                                                                   | ✓*                                                                                | ✓                                                                                 |                                                                                   | ✓*                                                                                |                                                                                   | ✓                                                                                 | ✓                                                                                 | ✓*                                                                                | ✓*                                                                                |                                                                                   | ✓*                                                                                |                                                                                    | ✓                                                                                   | ✓                                                                                   |                                                                                     |                                                                                     | ✓*                                                                                  | ✓                                                                                   | ✓                                                                                   |                                                                                     | ✓*                                                                                  | ✓* |

\* Fitting obligation during wintery road conditions

11



**EURO PART** 

## Rechargeable fire extinguisher

**Fire class A, B, C, refillable**

ergonomically shaped, robust carrying handle, valve body made of glass fibre reinforced special plastic, hose line with woven fabric intermediate layer made of synthetic rubber, with pivoting pistol which can be switched off, very service-friendly

|          |      |
|----------|------|
| Contents | 6 kg |
|----------|------|

Standard DIN EN 3

|          |                                                                         |
|----------|-------------------------------------------------------------------------|
| Standard | EN 12179                                                                |
| Version  | semi-automatic, with pivoted extinguisher pistol and internal cartridge |

Type P6STAR

Temperature range -30 to +60 °C

power rating 34 A, 183 B and C

**GS tested**

**Order no.**

9195 491 025

## Accessories

### Description

Order no.

Vehicle bracket

9195 491 200



### Continuous pressure fire extinguisher

Fire class A, B, C, refillable

made of high quality sheet steel, CE compliant

Contents 6 kg  
Standard DIN EN 3  
Type PD 6 GA  
Temperature range -30 to +60 °C

Power rating 34 A, 183 B and C

GS tested

Order no.

9195 491 125

#### Accessories

##### Description

Order no.

Vehicle bracket

9195 491 200



### Protective hood

Textile, for fire extinguishers up to 6kg

#### Colour

Order no.

luminous yellow

9195 516 002

orange

9195 516 003

#### Road Traffic Act (StVZO) Section 35g, fire extinguishers in buses and coaches

- (1) Buses and coaches must carry at least one fire extinguisher, double deck vehicles at least two, each with a filling mass of 6 kg and in an operational state. Only those fire extinguishers which are officially approved for fire classes
  - A: combustible solid substances (forming flames and glowing),
  - B: combustible liquid substances (forming flames) and
  - C: combustible gaseous substances (forming flames)
 are permitted.
- (2) A fire extinguisher must be situated in the immediate vicinity of the driver's seat and in double deck vehicles the second fire extinguisher must be situated on the passenger upper deck.
- (3) The crew members must know how to operate the fire extinguishers; the keeper of the vehicle is responsible for this in addition to the crew.
- (4) The vehicle keeper must have the fire extinguishers tested for serviceability by a competent examiner at least once in every 12 months. During testing, refilling and repair of fire extinguishers, the performance and technical features on which the particular type is based must remain guaranteed. The name of the tester and the date of the test must be stated on a label affixed to the fire extinguisher.





### Emergency warning waistcoat

Version with hook and loop fastener  
Material 100% polyester  
Standard EN 20471

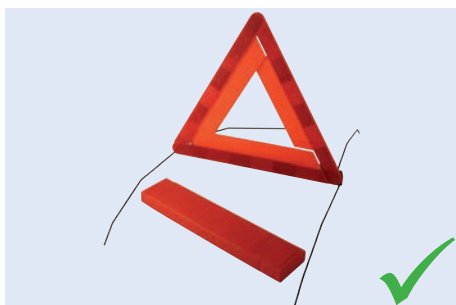
| Colour | Order no.    |
|--------|--------------|
| orange | 9534 000 002 |
| yellow | 9534 000 003 |



### Emergency triangle

Dimensions 460 x 135 x 35 mm  
Material plastic  
Version Large bag

| Order no.    |
|--------------|
| 9195 670 000 |



HANS HEPP  
Verbandstoffe und  
Erste-Hilfe-Material



### Emergency triangle

#### Europe version

in plastic case, acc. to ECE regulation, with embossed test number

Length x width x height 440 x 90 x 30 mm

| Order no.    |
|--------------|
| 2300 001 168 |



### Spare bulbs box with 24 Volt H4 halogen bulbs

#### Scope of supply

2 x H4 bulb 75/70 W, P 43 t  
2 x display bulb 4 W, BA 9 s  
2 x spherical bulb 21 W, BA 15 s  
2 x spherical bulb 10 W, BA 15 s

2 x tubular bulb 5 W, SV 8.5-8  
2 x spherical bulb 21/5 W, BAY 15 d  
2 x flat fuses each: 10, 15, 30 amps

| Version  | Order no.    |
|----------|--------------|
| 18-piece | 0002 525 941 |



### Spare bulbs box with 24 Volt H4 halogen bulbs

#### Scope of supply

1 x H4 bulb 75/70 W, P 43 t  
1 x display bulb 4 W, BA 9 s  
1 x spherical bulb 21 W, BA 15 s  
1 x spherical bulb 10 W, BA 15 s

1 x tubular bulb 5 W, SV 8.5-8  
1 x spherical bulb 21/5 W, BAY 15 d  
1 x flat fuses each: 10, 15, 30 amps

| Version | Order no.    |
|---------|--------------|
| 9-piece | 8900 001 020 |

(Illustration similar)





### Vehicle first-aid box

Contents clearly arranged in 6-compartment folding bag

Material ABS plastic  
Version with rescue blanket  
Standard DIN 13 164-2014

#### Application range

for passenger cars, trucks and buses with up to 22 seats (2 boxes are necessary for buses with more than 23 seats)

Order no.

9195 650 000



HANS HEPP

Verbandstoffe und  
Erste-Hilfe-Material



### First-aid bag for motor vehicles

Standard DIN 13164  
Colour black

Order no.

9195 650 006



HANS HEPP

Verbandstoffe und  
Erste-Hilfe-Material



### Emergency blanket

Standard DIN 13164  
Length 2100 mm  
Width 1600 mm

Order no.

9652 081 900



### Alcohol tester

Alcotest 6510

Order no.

9534 880 975



### Set of snow chains

#### Select Semplice

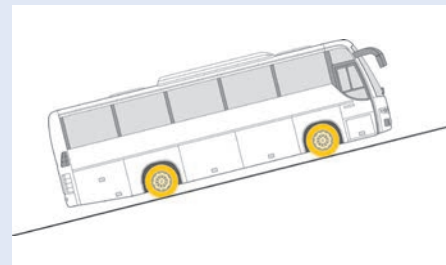
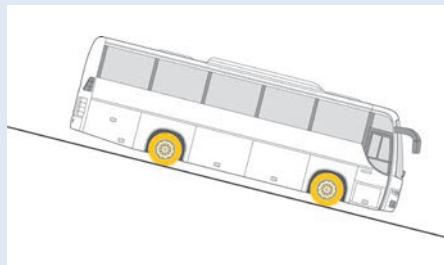
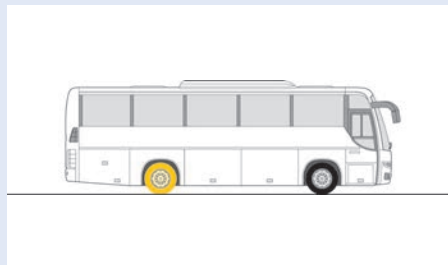
Type standard chain

| Tyre size                                                                                                             | Order no.    |
|-----------------------------------------------------------------------------------------------------------------------|--------------|
| 10.00-20, 12/80-20, D20 Pilote, 11-22,5, D22,5 Pilote, 275/80-22,5, 305/70-22,5, 315/70-22,5                          | 9350 000 147 |
| 11.00-20, 13/80-20, E20 Pilote, 12-22,5, E22,5 Pilote, 12/80-22,5, 315/80-22,5, 315/75-22,5, 305/75-24,5, 315/75-24,5 | 9350 000 148 |
| 295/60-22,5                                                                                                           | 9350 001 460 |
| 12,5-18, 12,5/80-18, 335/80-18, 9.00-20, C22,5 Pilote, 10-22,5, 275/70-22,5, 295/70-22,5, 305/60-22,5, 9.5-24         | 9350 001 461 |
| 295/80-22,5                                                                                                           | 9350 001 481 |
| 385/65-22,5                                                                                                           | 9350 000 149 |
| 385/55-22,5                                                                                                           | 9350 001 490 |

### Snow chains - tips for fitting chains

Only correct fitting of snow chains on the bus ensures that good progress is made even in difficult road conditions:

- fit to the wheels on the driven axle
- in mountainous conditions, fit extra snow chains to the wheels on the steering axles

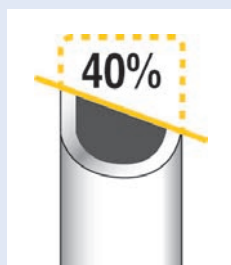


## Useful guidelines for use

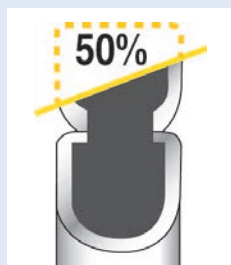
- Check whether there are recommendations or restrictions concerning the use of snow chains on your vehicle. Speak to your EUROPART sales adviser - we will be pleased to help you thereby.
- Also make sure that the rims being used match the tyres, because different rim sizes can adversely affect the fit. The same applies to badly worn or retreaded tyres.
- Become familiar with fitting snow chains in good time, during fine weather conditions.
- Fit snow chains early enough in the event of snow, ice or during a general snow chain fitting obligation, so that you and other road users are not put in any danger.
- Be aware of the changed driving behaviour of your vehicle. Do not drive at more than 50 km/h - proportionately more slowly on lanes free of snow and ice.
- Check the chain tension and symmetrical seating on the tyre after driving for about 50 metres, re-tension and/or correct as necessary.
- If the chain hits the wheel housing, it must be re-tensioned accordingly. In doing so, care must be taken for the correct relationship: tyres under too much tension lead to damaged tyres, spinning tyres lead to increased wear.
- When there is an improvement in the road conditions or the general snow chain fitting obligation is lifted, the snow chains should be removed to prevent unnecessary wear.
- After use, cleaning with warm water and then hanging up to dry is recommended, to extend the service life of your snow chains.

## Increased cost-effectiveness through optimised use

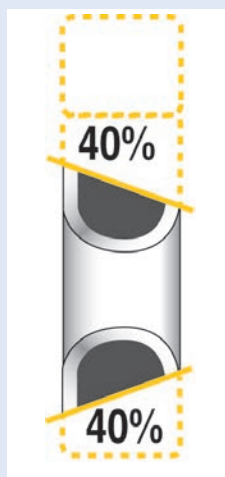
Make the best possible use of the wear zones of your snow chains and thus extend their service life many times over.



Turn the snow chain when there is wear of approx. 40% so that the wear zone of 40% on the other side can also be used.



When using chains with additional wear bars, the installed side should be swapped after usage of approx. 50% has been reached, so that the chain mesh wears evenly.



Turn the snow chain when the wear bars are fully worn off as well as 40% wear of the chain links, to make use of the wear capacity of the other side.

Warning! If the wear in the link diameter is more than 50%, the snow chain must be replaced.



**Thermal paper**

approved for use by different manufacturers, making its use flexible and optimising stocking in terms of quantities and costs

Packaging unit 3

**Application range**

for digital tachographs (EC control units)

**Order no.**  
**9689 030 203**



**Tachograph card**

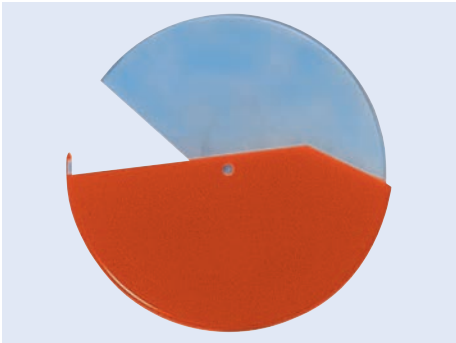
for insertion in all standard and automatic tachographs  
for electronic evaluation

| Type   | Version                                                                       | Order no.    |
|--------|-------------------------------------------------------------------------------|--------------|
| K 125  | with speed range 125 km/h                                                     | 9688 161 251 |
| K 140  | with speed range 140 km/h                                                     | 9688 161 253 |
| K 3300 | with engine speed recording to max. 3300 rpm and vehicle speed range 125 km/h | 9688 161 250 |
| K 4000 | with engine speed recording to max. 4000 rpm and vehicle speed range 125 km/h | 9688 161 254 |



**Tachograph card**  
for insertion in all automatic tachographs  
for electronic evaluation

| Type    | Version                                                                       | Order no.    |
|---------|-------------------------------------------------------------------------------|--------------|
| E 100 D | with engine speed recording to max. 3300 rpm and vehicle speed range 125 km/h | 9688 161 257 |
| E 3300  | with engine speed recording to max. 3300 rpm and vehicle speed range 125 km/h | 9688 161 258 |
| E 125   | speed range 125 km/h                                                          | 9688 161 259 |
| E 125   | speed range 125 km/h, 7 days                                                  | 9688 161 265 |
| E 100   | speed range 100 km/h                                                          | 9688 161 260 |
| E 180   | speed range 180 km/h                                                          | 9688 161 256 |



**Tachograph card box**  
for new and used discs

Material Plastic

| Order no.    |
|--------------|
| 9688 161 262 |



**Tachograph card collector**  
with index for identification of the individual months

Material wood

| Order no.    |
|--------------|
| 9688 161 263 |

Frame, coachwork, vehicle equipment



### Hazard warning light with indicator

Voltage 6 V  
Colour yellow  
Type B2,4W  
Test mark K 13949

| Order no.    | Comparative no.       |
|--------------|-----------------------|
| 0007 146 001 | Hella 2XW 007 146-001 |



### Hazard warning light with work light

housing and lens welded, with fold-down stand with non-slip rubber bases

Bulb type Halogen  
Model P30

| Order no.    |
|--------------|
| 9500 081 600 |



### Toilet chemicals

#### Aqua Kem Green

especially for use in chemical toilets, based on methanol, pleasantly perfumed

Version biologically degradable

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1,5 l    | Bottle    | 9230 020 543 |
| 30 l     | Canister  | 9230 020 546 |



### Toilet chemicals

#### Aqua Kem Blue

especially for use in chemical toilets, based on methanol, pleasantly perfumed,  
"Blue Angel" environmental marking

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 2 l      | Bottle    | 9230 020 547 |
| 30 l     | Canister  | 9230 020 550 |





### Flushing water additive

#### Aqua Rinse plus

for the fresh water tank of chemical toilets, keeps water fresh, ensures better flushing, increases hygiene, with lavender perfume

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1,5 l    | Bottle    | 9230 020 544 |



### Sickness bag

|                |                         |
|----------------|-------------------------|
| Version        | can be closed with clip |
| Width          | 12 mm                   |
| Height         | 23 mm                   |
| Depth          | 6 mm                    |
| Material       | Natron paper            |
| Packaging unit | 50 pieces               |

| Order no.    |
|--------------|
| 9523 792 248 |



### Toilet paper

|          |                              |
|----------|------------------------------|
| Version  | 2-layer                      |
| Length   | 24 m                         |
| Width    | 10 cm                        |
| Material | 100% cellulose-derived paper |
| Colour   | white                        |

#### Scope of supply

12 x 4 rolls of 200 sheets

**suitable for chemical toilets**

| Order no.    |
|--------------|
| 9554 050 168 |

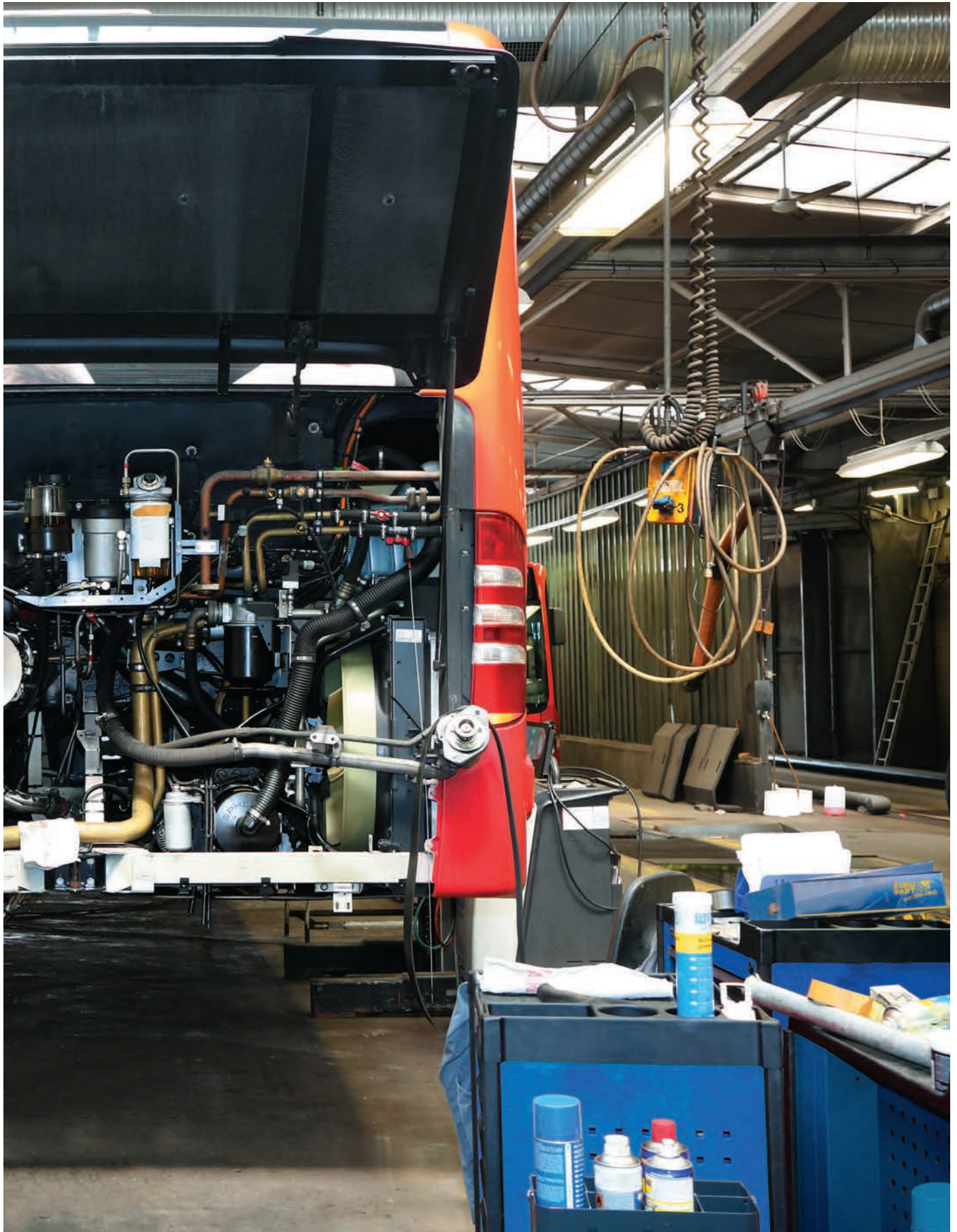


### Paper towel ECOLABEL

|                  |                                          |
|------------------|------------------------------------------|
| Version          | 2-layer, with Z-folding, fast dispensing |
| Length           | 21,5 cm                                  |
| Width            | 25 mm                                    |
| Number of leaves | 3180                                     |
| Material         | 100% cellulose-derived paper             |
| Colour           | white                                    |

| Order no.    |
|--------------|
| 9554 050 169 |

# Everything for the bus workshop



12

|                                            |          |
|--------------------------------------------|----------|
| Lifting technology . . . . .               | 610-619  |
| Testing and diagnosis technology . . . . . | 620-637  |
| Brake technology . . . . .                 | 638, 639 |
| Tyre service . . . . .                     | 640-649  |
| Battery service . . . . .                  | 650-653  |
| Air-conditioning service . . . . .         | 654-657  |
| Special tools . . . . .                    | 658-662  |
| Window installation . . . . .              | 663-667  |
| Workshop requirements . . . . .            | 668-681  |
| Chemical products . . . . .                | 682-704  |





### Post lift

Underfloor lift with lifting columns, supplied ready for use and preassembled as a Plug&Play system in a hot-galvanised steel casket, only the control box still needs cabling after the excavation and concreting work have been done, anti-slip bonded aluminium shutter withstands loads up to 7 tonnes, pistons drive singly or synchronised, column control with remote touch operation

Lifting height 1900 mm

Lift time 80 sec

Weight 4,6 t

Length of casket 8700 mm

Width of casket 1030 mm

Distance between columns 2500-7500 mm

Oil quantity per column 25 l

### Application range

For trucks and buses with 1 front axle and up to 3 rear axles

**Let the manufacturer carry out the installation!**



| Description                  | Load capacity | Order no.    |
|------------------------------|---------------|--------------|
| Post lift UL2                | 2 x 15 t      | 5322 520 300 |
| Post lift UL3                | 3 x 15 t      | 5322 520 301 |
| Post lift UL4                | 4 x 15 t      | 5322 520 302 |
| Post lift UL5                | 5 x 15 t      | 5322 520 326 |
| Shipping and packaging costs |               | 9410 000 000 |

**Ask for our specialist consultant!**

### Accessories

| Description                | Order no.    |
|----------------------------|--------------|
| Standard extension, 100 mm | 5322 520 306 |
| Differential adaptor       | 5322 520 322 |





## Mobile Column Lifts

### HydroLift S2

fully hydraulic, with double overload protection, battery driven, wireless communication of the individual lift units based on IEEE 802.15.4, the functions "Up" and "Down" as well as "Emergency Stop" can be selected for each lifting column, integral synchronisation, easy operation by means of pictograms, with FS profile for protection of the wheel hub, HYDRO-Protect system for protection of the lifting cylinder and VARIO-fork for holding different tyre sizes without an additional wheel adapter

|                |                        |
|----------------|------------------------|
| Version        | with 3 kW elect. motor |
| Lifting height | 1759 mm                |
| Lift time      | 78 sec                 |
| Lowering time  | 54 sec                 |
| Width          | 1092 mm                |
| Height         | 2260 mm                |
| Weight         | 600 per column kg      |

### Scope of supply

with removable forklift adapters

**extendable from 4 up to a max. of 8 columns**

| Description                  | Load capacity | Order no.    |
|------------------------------|---------------|--------------|
| Mobile Column Lifts          | 6 x 8,2 t     | 9534 004 291 |
| Mobile Column Lifts          | 4 x 6,2 t     | 9534 004 290 |
| Shipping and packaging costs |               | 9410 000 000 |



## Axle stand

### 1400 SH

very sturdy design, high stability and long service life

|                    |            |
|--------------------|------------|
| Load capacity      | 8 t        |
| Overall height     | 1400 mm    |
| End height         | 2100 mm    |
| Stroke             | 700 mm     |
| Contact area Ø     | 130 mm     |
| Base distance      | 600/600 mm |
| Spindle adjustment | 700 mm     |
| Weight             | 35 kg      |

### TÜV/GS-tested

| Order no.    |
|--------------|
| 9240 013 070 |



## Workshop-pit lifters

### Blitz M 15/15 Basic

ergonomic control concept and chassis as well as built-in tool shelf ensure efficient working and thereby directly contribute to a reduction in operating costs, built-in parking brake ensures more safety during work in the pit, includes lateral chassis for fine alignment of the lifting unit

Load capacity 15/15 t

**Seat-Ø** 55 mm

Stroke 1200 mm

Height, max. 2175 mm

Height, min. 975 mm

Width 820 mm

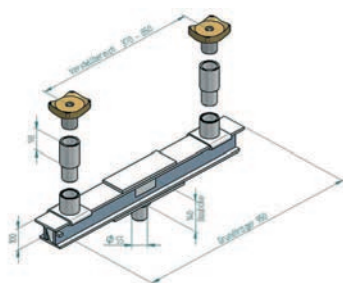
Depth 957 mm

Weight 315 kg

Chassis load 800 kg

Order no.

9534 004 360



## Axle traverse

Load capacity 14 t

**Peg-Ø** 55 mm

Adjustment range 100-850 mm

Height 349 mm

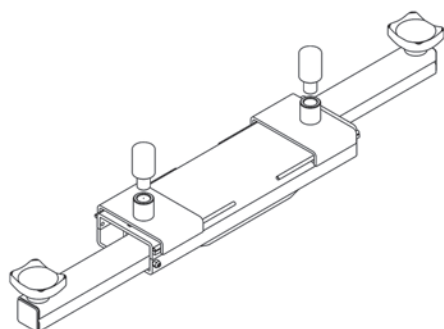
### Scope of supply

2 sliders, 2 carrying plates X, 2 spacers DS 1

**Traverses with different stud diameters or optional adapter sockets are available on request, at an additional cost!**

Order no.

9534 004 226



## Axle traverse

### Especially for Mercedes-Benz Citaro (O 530)

Load capacity 7,5-15,5 t

**Peg-Ø** 55 mm

Adjustment range 860-1500 mm

Height 200 mm

Order no.

9534 004 230



# Increased safety during maintenance and repair work

Lifting and supporting made easy!

**Protect people and materials – use the position recommendations for lifting and supporting points on the supporting structure!**

The vehicle should not be loaded when supported on the supporting structure (vehicle kerb weight).  
**Attention: Only in exceptional cases – if unloading is not possible – a loaded vehicle can also be supported (see position A-C).**



## How it is done:

### Lifting at position **F**

- at drawbar eyes with overall vehicle weight allowed

### Lifting and supporting at position **A – C**

- with overall vehicle weight allowed

### Supporting at position **D – E**

- with pressure distribution panel (e.g. wooden panel) with vehicle kerb weight allowed

### +++ Safety information +++

**Site regulations must always be observed when lifting vehicles.**

According to accident prevention regulations, every lifted vehicle must be safely supported!

More information from:

[www.europart.net](http://www.europart.net)





### Workshop-pit lifters GD 150-1, hydropneumatic

Lever operation at the ergonomically correct working height on the chassis. This innovative new modern design makes a slim cylinder design possible. Fast and precise hydraulics with fast up and down travel. Cylinder with spring-loaded ball bearings can be displaced. Low-friction, hard plain bearing on the chassis or suspension. Maintenance unit as standard.

|               |           |
|---------------|-----------|
| Load capacity | 15 t      |
| Version       | suspended |
| Piston stroke | 800 mm    |
| Height, max.  | 1820 mm   |
| Height, min.  | 1020 mm   |
| Seat-Ø        | 60 mm     |

**Scope of supply**  
with suspension

**Many modern vehicles must today be raised at 2 points. Check the use of axle traverses!**

Order no.

5322 520 136

**When ordering, please complete the dimensions sheet!**



### Support bridge AB

for safe and sturdy vehicle support, with spring-loaded wheels for easy movement into the pit, is manufactured to match pit width

|               |          |
|---------------|----------|
| Load capacity | 20 t     |
| Height        | 0-625 mm |

Order no.

5322 520 138

**When ordering, please complete the dimensions sheet!**



### Saddle

for use on various axles

|          |        |
|----------|--------|
| Form     | V      |
| Width    | 100 mm |
| Capacity | 10 t   |

Order no.

5322 520 141



### Saddle

for use on various square profiles

Form U  
Width 100 mm  
Capacity 10 t

Order no.

5322 520 142



### Extension

| Model | Description                         | Fig. | Order no.    |
|-------|-------------------------------------|------|--------------|
| FG100 | raises the lifting height by 100 mm | 1    | 5322 520 143 |
| FG200 | raises the lifting height by 200 mm | 2    | 5322 520 144 |



### Wall bracket

For extensions and saddles

Supplied without components

| suitable for | Fig. | Order no.    |
|--------------|------|--------------|
| 4 pieces     | 1    | 5322 520 165 |
| 8 pieces     | 2    | 5322 520 166 |



### Axle traverse T4

Load capacity 15 t  
Adjustment range 125-750 mm  
Seat-Ø 60 mm

Please quote the make of the pit lift and the fitting diameter. Adaptation to different fitting diameters is available on request.

Order no.

5322 520 139

#### Accessories

| Description | Version                                       | Order no.    |
|-------------|-----------------------------------------------|--------------|
| Adapter     | Blitz 55 mm on AC 60 mm, both sides male half | 5322 520 147 |
| Adapter     | Slift 45 mm on AC 60 mm, both sides male half | 5322 520 148 |

Further adapters on request!



### Axle traverse T5-1

For secure two-point attachment on the axle or if cannot be lifted by the differential. Measured from the central carrying plate, a load capacity of **15 t** is achieved with an extension length of 1400 mm and **11.5 t** at the maximum extension of 1500 mm. New: 2 cross beams in one! Virtually all vehicles can be easily lifted with this axle traverse

Load capacity 15/11,5 t  
Seat-Ø 60 mm

Please quote the make of the pit lift and the fitting diameter. Adaptation to different fitting diameters is available on request.

Order no.

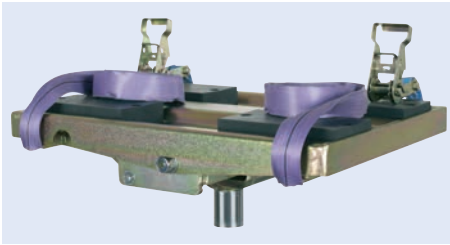
5322 520 149



### Gear Box Lift Junior Jack 2.0

Load capacity 2 t  
Seat-Ø 35 mm  
Stroke 1100 mm  
Height, max. 1930 mm  
Overall height 830 mm  
Compressed air connection 6 bar  
Weight 61 kg  
Installation width/height 800/800 mm

| Description                   | Order no.    |
|-------------------------------|--------------|
| Gear Box Lift Junior Jack 2.0 | 9534 004 364 |
| Shipping and packaging costs  | 9410 000 000 |



### Transmission plate GA IV

|               |                    |
|---------------|--------------------|
| Load capacity | 1 t                |
| Seat-Ø        | 35 mm              |
| Adjustability | ±12°               |
| Dimensions    | 530 x 380 x 120 mm |

| Description                  | Order no.    |
|------------------------------|--------------|
| Transmission plate GA IV     | 9534 004 363 |
| Shipping and packaging costs | 9410 000 000 |

#### Accessories

| Description                                          | Order no.    |
|------------------------------------------------------|--------------|
| Adapter plate for transmission differential, Ø 90 mm | 5322 520 308 |



### Transmission plate

can be tipped +/- 10° to all sides for the precise removal and installation of transmissions, extremely flat construction offers many possible applications, sturdy construction ensures optimum stability

|               |              |
|---------------|--------------|
| Load capacity | 1 t          |
| Dimensions    | 542 x 385 mm |
| Seat-Ø        | 60 mm        |

#### Application range

passenger cars and trucks

#### Scope of supply

2 tightening straps, 4 magnetic rubber supports

**Please quote the make of the pit lift and the fitting diameter. Adaptation to different fitting diameters is available on request.**

| Description | Order no.    |
|-------------|--------------|
|             | 5322 520 122 |



## Simple and flexible!

### The EUROPART Workshop Online System (EWOS)

- Fast identification of spare parts

[www.europart.net](http://www.europart.net)







## Workshop-pit lifters

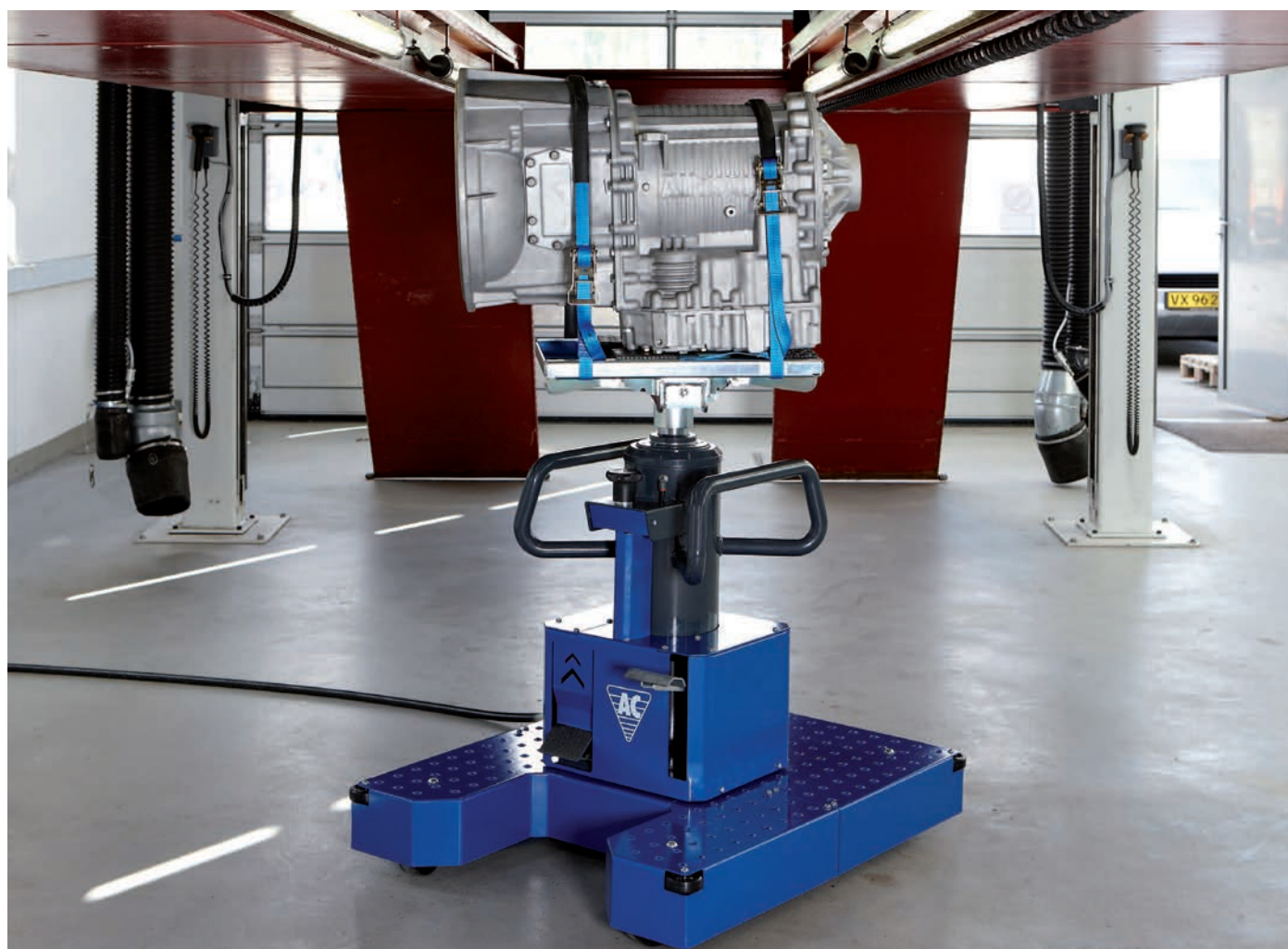
### GGD 150-F, air-hydraulic

flexible for use in a pit as well as on the workshop floor under a platform, the telescopic cylinder makes it also ideal for transmission repairs, built-in manual foot pump for fine adjustment, fast and precise air-hydraulics with fast up and down travel, spring-mounted transport base secure against unintentional movements when lifting from 800 kg, dead-man control and safety valve for maximum safety, can be used for all traditional lifting tasks

|                    |               |
|--------------------|---------------|
| Version            | floor-running |
| Load capacity      | 15 t          |
| Piston stroke      | 1285 mm       |
| Operating pressure | 12 bar        |
| Air consumption    | 350 l/min     |
| Height, max.       | 2206 mm       |
| Height, min.       | 921 mm        |
| Cylinder-Ø         | 60 mm         |
| Seat-Ø             | 60 mm         |
| Base plate         | 844 x 1004 mm |

Order no.

5322 520 127







**KUNZER**  
Qualität verbindet

### Trolley Jack

#### pneumatic/hydraulic

for daily use, seals are suitable for temperatures from -25 °C to +60 °C, with built-in pressure limiting valve, dead man control and hard chrome-plated piston rod, for busses, special low-floor constructions and other vehicles with low ground clearance, in particular **low pick-up height 120 mm**

Operating pressure 8-10 bar  
Width 260 mm  
Weight 40 kg  
Height, min. 120 mm  
Stroke 130 mm  
Length 580 mm  
Air consumption 600 l/min  
Load capacity 45/20/10 t

Height, max. 250 mm (without adapter)

Height, max. 390 mm (with adapter)

#### Scope of supply

3 adapters: 1 x 20 mm, 1 x 40 mm, 1 x 80 mm

#### 3 year guarantee!

#### Version

3-stage

#### Order no.

9539 001 040



**KUNZER**  
Qualität verbindet

### Jack

#### hydraulic

Jack with particularly low-height design, especially for buses and trucks with low load application points

Load capacity 10 t  
Overall height 120 mm  
End height 230 mm

#### Scope of supply

Pump lever 3-part

#### Order no.

9242 089 831



## Diesel emissions tester AVL DiTEST MDS 305

- the most convenient and fastest solution for exhaust testing in the workshop
- space-saving, tidy storage of the exhaust station without a workshop trolley
- the fastest exhaust testing procedure with intuitive guidance through the application
- easy vehicle search from the databases
- an exhaust test can be performed by one person on all commercial vehicles
- novel radio concept enables the maximum freedom of movement during measurement
- non-wearing wireless connection to PC
- short warm-up times < 2 minutes
- small, easy to handle OBD module
- flexible, sturdy and efficient to use in the day-to-day business
- innovative workshop-orientated solution, for fitting to the vehicle to be measured

### Application range

for commercial vehicles and buses

### Scope of supply

- AVL DiSmoke 480 Bluetooth diesel exhaust module
- AVL DiTEST OBD 1000 OBD interface
- AVL DiTEST AUX 2000 Bluetooth rotational speed/temperature recording
- wall bracket suitable for the workshop

**Future-safe upgrade capability for guidelines 5 from 1.5.2015!**

| Description                                | Order no.    |
|--------------------------------------------|--------------|
| Diesel emissions tester AVL DiTEST MDS 305 | 9539 006 030 |
| Shipping and packaging costs               | 9410 000 000 |

### Accessories

| Description                              | Order no.    |
|------------------------------------------|--------------|
| asanetwork activation for AVL DiTEST MDS | 9539 006 031 |
| Exhaust test target data update          | 9682 550 902 |

## Professional vehicle diagnosis

Across-brand diagnostic tools for tractor units, trailers, semi-trailers, buses and vans

[www.europart.net](http://www.europart.net)





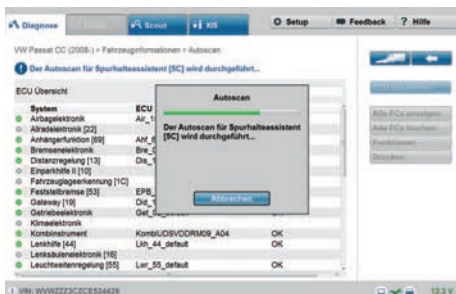
## Diagnosis unit AVL DiTEST MDS DRIVE 188 Truck

mobile PC-based system, sturdy tablet PC suitable for the workshop, protected against splashed water, dust and impacts, 13.3" HD LED display in wide screen format with touchscreen, extremely easy to operate using the special user interface, control unit diagnosis AVL DiTEST XDS 1000\* (read/erase fault memory, test actuators, read measurement values, encoding/adaptation/login procedure/base settings, service function), EOBD modes 1-9, scan tool incl. OBD cable, also for CAN bus with connection via Bluetooth and includes built-in multiplexer, 24 Volt compatible, therefore suitable for use on commercial vehicles, no time limit for the use of the software, revolutionary user guidance - 3 clicks to the goal

### Scope of supply

includes sturdy hard shell case,

\*AVL DiTEST XDS 1000 is not included in the scope of the delivery



### Description

### Order no.

|                                               |              |
|-----------------------------------------------|--------------|
| Diagnosis unit AVL DiTEST MDS DRIVE 188 Truck | 9682 550 550 |
| Shipping and packaging costs                  | 9410 000 000 |

### Accessories

### Description

### Order no.

|                                                      |              |
|------------------------------------------------------|--------------|
| Diagnostic software Commercial Vehicle DiTest Update | 9682 550 900 |
| Service contract Hotline support                     | 9682 550 905 |

## Good to know

Multimeters have led to a high number of accidents on high-energy system components. They are therefore not suitable!  
Special high-voltage measuring modules must be used.





### High voltage measurement module

#### AVL DiTEST HV Safety 2000

as an enhancement for exhaust gas tester AVL DiTEST MDS 350, menu-guided measurement of freedom from voltage with continuous documentation, active insulation resistance measurement using built-in test voltage generator, built-in voltmeter up to 1000 V, equipotential bonding measurement according to UNECE R100, standard meter functions, guided diagnosis and measurement process, power supply through USB port, can be calibrated for reproducible accuracy

**Only together with matching diagnostic solution!**

Order no.

9682 550 522



### Working platform for hybrid buses

solid side frames, platforms, climbing by rigid stairs and parapet, 1 x with mirror image construction, fixed to the floor with angled feet, steplessly adjustable platform extension 450 mm, operated by LOCK drive (choice of from below or above), corrugated aluminium surface, galvanised steel connecting elements, parapet with foot and knee rails on one side of each individual stage, hook-in and telescopic transverse balustrade for the front, loading capacity 300 kg per individual stage

|                 |                  |
|-----------------|------------------|
| Material        | aluminium        |
| Standard        | DIN EN ISO 14122 |
| Overall height  | 3600 mm          |
| Overall width   | 5600 mm          |
| Overall length  | 12000 mm         |
| Platform width  | 850 mm           |
| Platform length | 12000 mm         |
| Step width      | 800 mm           |
| Step depth      | 240 mm           |

#### Scope of supply

2 pieces

Order no.

0953 953 360



# Application specialists

Always the special tool to suit your trailer



When you use the right tool, you can carry out any tricky repair or installation quickly and accurately. EUROPART will help you with the suitable special tool for a professional installation!

More information from:

[www.europart.net](http://www.europart.net)





## Diagnosis set

### Bus

#### Diagnostic unit

##### Navigator TXTS IDC4 Plus Bus OBD

universal self-diagnosis module for fault readout and deletion, actuator test, activation, numeric and graphical display of measurements, recording function, settings and programming

#### includes:

EOBD cable, USB cable, Bluetooth antenna, USB Bluetooth antenna for PC, software licence IDC4 Plus Bus for PC with hardware dongle, strap, manual

Texpack Bus contract<sup>1</sup> - annual subscription for software updates

Tex@info Bus contract<sup>2</sup> for Hotline, sending information and Google® searches in problem database

#### incl. 3 cables of your choice

#### accessories set

power supply and adapter cable for Navigator TXT, this set is an absolute requirement when using additional diagnosis cables

#### incl. laptop (similar to illustration) and empty cable case

<sup>1</sup> This contract results in subsequent costs of 700 EUR net per year from the 2nd year of use.

<sup>2</sup> This contract results in subsequent costs of 400 EUR net per year from the 2nd year of use.

Order no.

9530 003 695



## Interface cable

for connecting vehicles to the diagnosis unit



(Illustration similar)

| suitable for                                                                             | Order no.    | suitable for                      | Order no.    |
|------------------------------------------------------------------------------------------|--------------|-----------------------------------|--------------|
| DAF and Bova                                                                             | 9539 003 293 | Truck/Bus and Bova                | 9539 003 618 |
| Iveco and Solaris busses                                                                 | 9539 003 286 | Truck and Solaris buses           | 9539 003 308 |
| MAN F, L, M 2000 and buses (old)                                                         | 9539 003 263 | Truck universal, with test probes | 9539 003 290 |
| MAN TGA and buses (new generation)                                                       | 9539 003 264 | Van Hool                          | 9539 003 361 |
| Mercedes-Benz and EvoBus                                                                 | 9539 003 292 | Van Hool, Webasto                 | 9539 003 360 |
| New Holland/Cummins, Deutz, John Deere, CNH Group, Landini, McCormick and Solaris busses | 9539 003 271 | Voith                             | 9539 003 303 |
| Pullman, Solaris                                                                         | 9539 003 304 | Volvo Buses                       | 9539 003 266 |
| Pullman, Van Hool, Solaris                                                               | 9539 003 302 | Wabco/Knorr and Wabco ski trailer | 9539 003 289 |
| Renault Trucks and Buses                                                                 | 9539 003 288 | ZF-systems in buses               | 9539 003 274 |
| Scania and MAN buses                                                                     | 9539 003 291 |                                   |              |





## Diagnosis unit

### APT08 Axone 4 Commercial Vehicle/Bus/Trailer

- full and versatile data processing and display interface with internet connection
- large 9.7" TFT touchscreen with a resolution of 1024 x 768, powerful Intel Atom processor with 2 Gigabytes RAM, 32 Gigabytes solid state hard drive

A Wi-Fi wireless connection (WLAN) is available as standard for connection to the workshop network and to enable downloading of available updates, and the dedicated TEXA interface is used to communicate about the individual repairs over the Bluetooth connection.

Equipped with a VGA camera which is useful for documentation and storage of various job steps and is of practical help in spare parts sourcing and also video assistance.

The device has been developed exclusively to connect with a TEXA interface using Bluetooth. It is able to communicate with all other TEXA devices in the area of traditional measurements (UNIProbe and TwinProbe) as well as during on-board diagnosis (OBD MATRIX and OBD Log). Combined and simultaneous use of 2 devices is permitted if necessary.

AXONE 4 can be equipped with an HSDPA module, which then provides a fast telephone connection (via the Internet) with the TEXA servers, to be able to perform updates and make connection with the search function which can be performed outside the particular workshop as well.

Operating temperature 0 to +50 °C  
 Protection class IP65  
 Dimensions 240 x 180 x 45 mm

### Scope of supply

Wi-Fi and Bluetooth module, lithium batteries, mini-docking, IDC4 PLUS Premium software and manual  
 Navigator TXTS PASS-THRU diagnostic interface for vehicles with OBD socket

Order no.

9539 003 625

### Accessories

| Description                                            | Order no.    |
|--------------------------------------------------------|--------------|
| Accessories set Truck voltage supply and adapter cable | 9539 003 382 |
| Docking station for table and trolley                  | 9539 003 670 |
| Equipment case                                         | 9539 003 673 |
| Protective frame                                       | 9539 003 015 |



## WABCO

### Diagnosis case for buses

Contains all the important cables to allow diagnosis to be performed on WABCO components in buses, in addition it has a diagnostic interface

#### Scope of supply

- EBS Euro diagnostic cable for Neoplan
- Setra NF 315 MTS diagnostic cable
- OBD diagnostic cable for Mercedes, EvoBus
- Diagnostic cable for MAN
- OBD diagnostic cable, 15-pole for DAF, Scania, MAN
- Diagnostic cable for Mercedes, EvoBus
- Diagnostic interface set (USB 2.0)

#### Order no.

3800 301 021

#### Comparative no.

WABCO 446 301 026 0



## WABCO

### Test case for compressed air brake systems

Allows precise testing of equipment in the pneumatic brake system - according to the directives for technical control of motor vehicles and trailers within the framework of § 29, attachment VIII of the StVZO, used for testing the two-line pneumatic brake systems in motor vehicles, pneumatic door operating equipment, air suspension systems etc.

#### Scope of supply

- 1 x test hose (blue), length approx. 6,5 m
- 1 x test hose (white), length approx. 6,5 m
- 1 x test hose (red), length approx. 6,5 m
- 1 x test hose (green), length approx. 6,5 m
- 1 x test hose (yellow), length approx. 6,5 m
- 1 x test hose (violet), length approx. 6,5 m
- 1 x test connection
- 3 x double nozzle M16 x 1,5/M16 x 1,5
- 2 x double nozzle M16 x 1,5/M22 x 1,5
- 1 x three-way valve unit
- 1 x zip-lock bag
- 5 x manometer (calibrated), end of scale: 16 bar
- 1 x manometer (calibrated), end of scale: 25 bar
- 2 x coupling head with test connection for two-line brake systems
- 1 x Duo-Matic adapter
- 1 x trailer test unit
- 1 x case (including lockable latches)
- 1 x instructions

#### Order no.

0800 020 070

#### Comparative no.

WABCO 435 002 007 0



## WABCO

### Testing station

#### mobile test bench (MTB), For pneumatic brake systems

Mobile test station in the form of a handy but also sturdy plastic case for maximum flexibility, with built-in rollers and extending telescopic handle, there are 3 separate circuits available for the pneumatic control of brake components, in addition there are 4 separate measurement circuits for inspection of the measurement values at the braking device

Width 580 mm  
Height 380 mm  
Depth 430 mm

#### Scope of supply

with 6 different-coloured hoses which can be used to supply the test station with compressed air or for connection to a braking device

#### Order no.

3800 070 030

#### Comparative no.

WABCO 453 197 003 0



### Testing hose

Material PVC  
Colour blue  
Nominal width 3,5 mm

operating pressure 20 bar at +20 °C, 16 bar at -40 °C

| Version                  | Length   | Colour | Order no.    |
|--------------------------|----------|--------|--------------|
| with wing nut, M16 x 1,5 | 6500 mm  | blue   | 0246 000 030 |
| with wing nut, M16 x 1,5 | 6500 mm  | white  | 0246 000 040 |
| without union nuts       | 25000 mm | blue   | 0498 769 156 |



**Laser axle measuring system  
HD-30 EasyTouch**

Measurement in normal running state, no lifting necessary, newly developed measuring heads for even faster mounting on aluminium and steel rims, especially suitable for vehicles with several steered axles, electronic inclinometer with digital display, mobile and can be used anywhere, measuring head with laser technology can be turned through 360°, fast measurement of individual track, camber, toe-out, castor, king pin angle, skew of the axles and centre position of the steering box, rim eccentricity compensation when required, all front axle measurements within 10 minutes including set-up time, the good price-performance ratio guarantees rapid payback

**Application range**

Trucks and buses

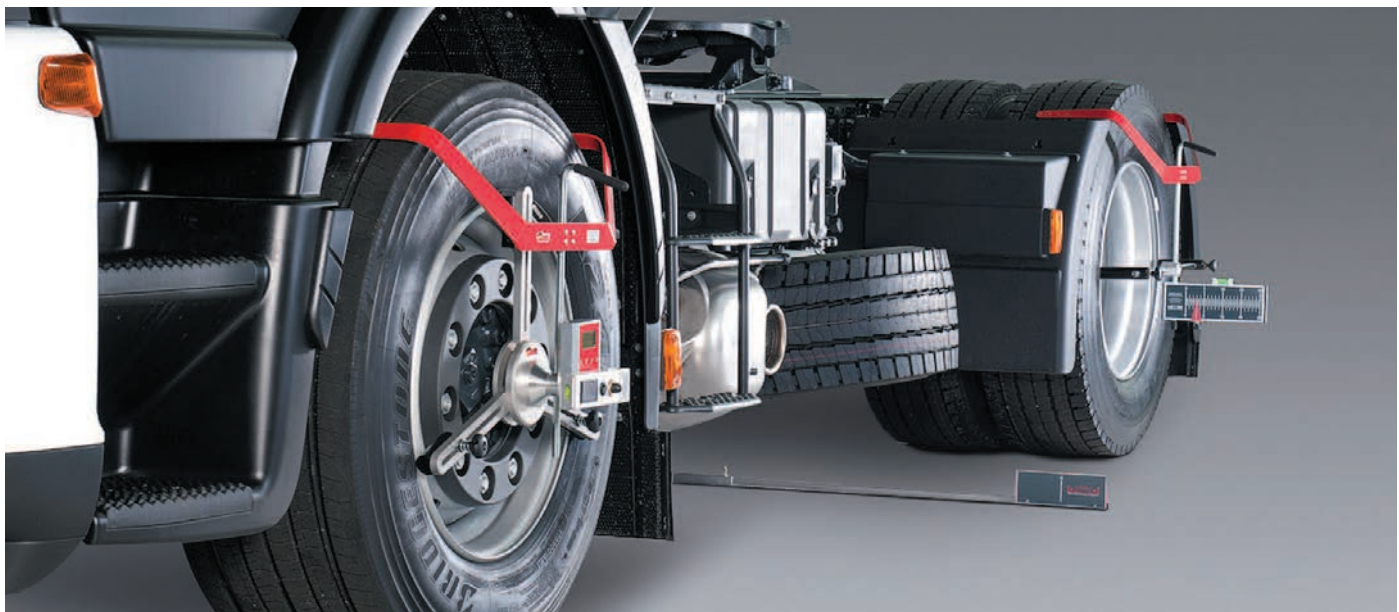
**Scope of supply**

- 1 operating instructions
- 1 measuring log CD
- 1 electric inclinometer
- 1 mobile transport cabinet
- 2 magnetic scales
- 2 universal adjustable laser measuring heads
- 2 drive-on rotating plates
- 2 track scales
- 2 total steering lock scales

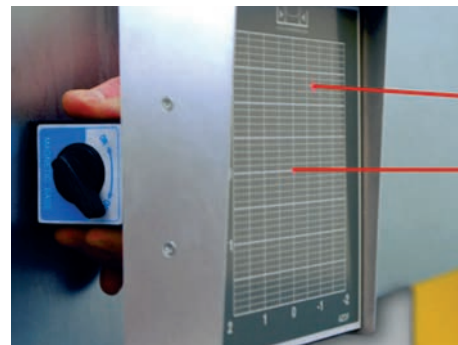
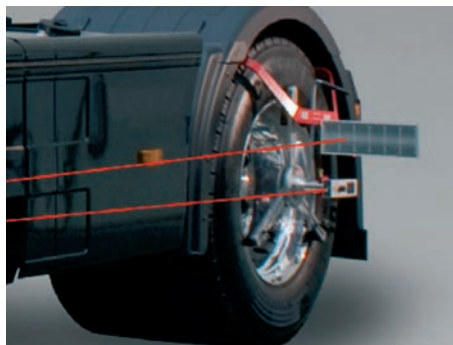
| Description                                 | Order no.    |
|---------------------------------------------|--------------|
| Laser axle measuring system HD-30 EasyTouch | 9682 202 500 |
| Shipping and packaging costs                | 9410 000 000 |

**Accessories**

| Description                                                      | Order no.    |
|------------------------------------------------------------------|--------------|
| Turn-tilt plate for measuring the second steered axle (2 pieces) | 9682 202 501 |
| Shipping and packaging costs                                     | 9410 000 000 |







## Radar adjustment jig

### LC-40-ACC

The ACC radar sensor supports the driver by automatically monitoring the traffic, measuring the spacing and regulating to the set speed. If the spacing is too close, braking is automatically triggered.

An incorrectly set radar sensor may for instance lead to a slower vehicle in a neighbouring lane being detected and an unnecessary braking process being triggered because of this. The ACC vehicle thereby becomes a risk for the following traffic.

For the measurement, the laser measuring heads are placed on the wheels of the rear axle. Using the laser beams, the measurement traverse in front of the vehicle is exactly aligned to the geometric driving centreline of the vehicle. The laser module of the measurement traverse sends a laser beam to the reference mirror face of the ACC sensor. Using the reflected laser beam, the deviation in the sensor alignment is precisely shown and the sensor can immediately be aligned accordingly.

#### Advantages:

- easy and fast mounting
- very high accuracy ( $0,05^\circ$ )
- reliable reproducibility of the measurement values
- can be used on various ACC sensors
- alignment of the ACC sensors done in less than 10 min. including set-up time
- can be used on any level workshop floor and together with assembly pits
- no runout compensation necessary

#### Description

Radar adjustment jig LC-40-ACC

Shipping and packaging costs

#### Order no.

9682 202 508

9410 000 000





Ask for our specialist consultant!

## Tandem brake testing station

### Bus special version

The solution for testing the brakes of all the vehicles in the fleet, despite a limited hall length.

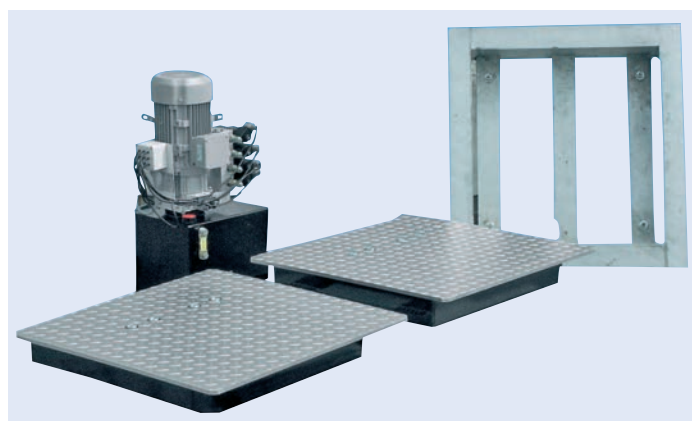
Compared to a conventional testing station, with which one of the axles always had to be tested with the hall doors open regardless of how it was positioned, the two roller sets of the Varioflex TEC series are positioned in such a way that even articulated buses can be fully tested with the hall doors closed. Only short positioning movements are necessary to place the desired axle on the test station.

The control system has been developed so that, as soon as an axle drives in, the test station recognises which roller set is then actively being used. It does not matter whether it is on the front or rear roller set, the brake test can be performed quite normally under PC control using the PICARO III test software.

The advantages lie in the reduction in energy costs and the improvement in working conditions.

| Description                  | Order no.    |
|------------------------------|--------------|
| Tandem brake testing station | 9681 012 100 |
| Shipping and packaging costs | 9410 000 000 |

You can find further information in EWOS (<http://www.ewos.net>)



Let the manufacturer carry out the installation!

## Joint clearance tester

### GST 1602-D

conventional movements from right to left or from inwards to outwards, controllable revolutions, diagonal movements possible, maximum extension possible, ergonomically shaped hand lamp with integrated function button, with each press of the button the progressive feed is triggered, the retraction of the slides to the starting position occurs automatically, both slides can be moved together and separately

|                    |         |                  |         |
|--------------------|---------|------------------|---------|
| Fuse protection    | 20 A    | Wheel load, max. | 8000 kg |
| Axle load          | 16 t    | Shear force      | 20 kN   |
| Operating pressure | 160 bar | Thrust stroke    | 100 mm  |
| Power consumption  | 3,3 kW  | Power supply     | 400 V   |

| Description                       | Order no.    |
|-----------------------------------|--------------|
| Joint clearance tester GST 1602-D | 9681 012 024 |
| Shipping and packaging costs      | 9410 000 000 |





## Clamping force measuring device

### SKM2-3, for bus doors

For periodical safety testing of the clamping forces between two closing edges according to the latest legal requirements. Specially constructed for tough workshop operation, it has a precise laser-marked scale and is impervious to petrol, oil and grease.

The device is simply held between the closing edges during the closing process and the two halves of the casing are moved against each other by the force exerted, while the slave pointer moves in proportion to the force exerted through the inner spring.

|                    |         |
|--------------------|---------|
| Class              | 2       |
| Measuring range    | 0-300 N |
| Measuring accuracy | ± 10 N  |
| Height             | 115 mm  |
| Ø                  | 100 mm  |

### Scope of supply

in aluminium case, with manual

| Description                            | Order no.    |
|----------------------------------------|--------------|
| Clamping force measuring device SKM2-3 | 9534 006 123 |
| Shipping and packaging costs           | 9410 000 000 |



## Beamsetter

### Economy

Universal application, precise, fast and easy to use, all headlights – including xenon – at an installed height of between 250 and 1200 mm (including trucks, tractors etc.) can be monitored for correct setting and perfect function.

- the functional design makes effortless vertical positioning of the beamsetter box in front of the headlight possible - even one-handed,
- the device is easily aligned to the longitudinal axis of the vehicle thanks to the broadband sight,
- can be slid sideways, the three-wheel base provides a safe stance for optimum setting,
- different cut-off lines can be set (depending on the vehicle type) using the scaled disc on the back of the beamsetter box,
- has a photo-electric light meter, the measured light values can now be comfortably read off from a modern digital display
- design certificated

| Order no.    |
|--------------|
| 0006 796 031 |





## Leak detector

### ULTRASONIC Easy Flex

small, handy and compact, easily locates faults e.g. on pneumatic, steam, gas or vacuum systems, receives airborne ultrasonic signals (38-42 kHz) which form around a leak spot and transforms these into acoustic signals, the nearer and larger the leak spot, the faster the acoustic signal

#### Scope of supply

with headphones, 9 V block battery, in case

Order no.

9526 611 021



Tankstellen- und Werkstattgeräte

## Belt tension checker

compact tool for one-person operation, for the simple and quick verification of the tension of belts and accessories as part of vehicle maintenance or when changing the belt, can be used on all belts on the market

|                 |           |
|-----------------|-----------|
| Measuring range | 30-520 Hz |
| Cable length    | 1200 mm   |
| Length          | 135 mm    |
| Width           | 50 mm     |
| Height          | 28 mm     |
| Weight          | 150 g     |

Sensor measurements: 18 x 15 x 14 mm

#### Scope of supply

Conversion table for values to check belt setting, 9 V battery, in plastic case

Order no.

9682 220 050





## Infrared thermometer

Thermal, lux and humidity gauge in a pistol-type design, with integrated additional LED torch and display lighting, 4-digit LC display, automatic switch-off after about 10 seconds, data hold function, auto power-off function, °C/°F switchover, laser point can be switched on, min-max value memory, recording of mean value

Temperature range -18 to +260 °C  
 Dimensions 49 x 133 x 146 mm  
 Resolution 0,1° (-9,9° to +199,9°)  
 Standard IEC/EN 61010-1 (DIN VDE 0411)  
 Power supply 2 x 1,5 V

### Application range

for mobile use in vehicle workshops and for electricians

### Scope of supply

2 batteries 1.4 V AAA LR03, 1 storage bag, 1 operating manual

### TÜV/GS-tested

Order no.

9577 880 001



Tankstellen- und Werkstattgeräte

## Short-circuit and interruption detector

fast locating of short-circuits, broken cables and creepage currents without having to pierce wires, no time-consuming dismantling of plastic trims, entry ladders, carpets etc.; wire identification, wire testing, standard tests and special tests, this precision unit comprises a transmitter, locator, current tester and safety contact adapter in three sizes, the locator part has a choice of three sensitivity levels

### Application range

can be used for all types of circuits with voltages between 6 and 42 V DC, e.g. passenger cars, trucks, buses, trailers, boats, etc.

Order no.

9682 220 510





## Digital clip-on ammeter-multimeter

### Testboy TV 216N

easy-to-read display, manual or automatic choice of measurement range allowing versatile and safe working

Resistance 600  $\Omega$ -60 M $\Omega$   
 Protection class IP44  
 Standard IEC/EN 61010-1  
 Dimensions 220 x 75 x 35 mm

AC voltage up to 600 V  
 DC voltage up to 600 V  
 AC current 60 A, 600 A  
 DC current 60 A, 600 A  
 Overvoltage category CAT III 600 V

### Application range

for use in the service area

### Scope of supply

operating instructions, measurement cable, ever-ready case, 3 batteries 1.5 V AAA, LR03

### TÜV/GS-tested

Order no.

9577 880 005



Tankstellen- und Werkstattgeräte

## Multi-logic test probes

### GigaScope

The frequencies are indicated by 3 LEDs. Simple testing of all circuits in and around the vehicle. During a measurement you can switch between operating modes (volts, cycle frequency). The tester is operated via two AAA batteries and work in dark areas is made easier thanks to the built-in torch. Work in awkward areas is also possible thanks to the extension cable.

Starting and charging system: Starter, battery charging voltage, alternator, capacitor, charging signal

Relay and actuator (actuator motor): Window regulator, wiper motor, door lock, petrol pump motor, ignition coil, fuel injector nozzle

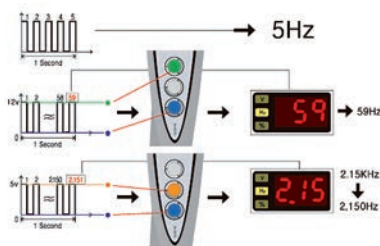
Sensors (including): O2 sensor, tachometer, air flow sensor, closing angle sensor, TDC sensor, temperature sensor, ABS speed sensors, throttle position sensor, solenoid valve

### Scope of supply

including replacement test probes, extension cable and case

Order no.

9682 220 032







**BUSCHING**

Tankstellen- und Werkstattgeräte

## Universal tester

simple to use and easy to read LED display, polarity testing, continuity testing, component testing

Voltage 40 V

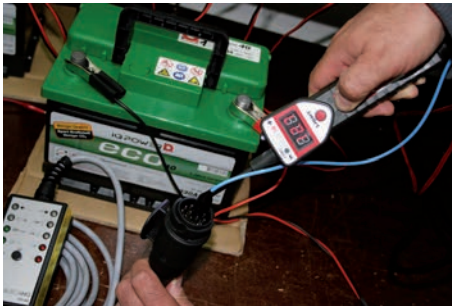
Cable length 5,50 m

### Application range

for testing components or assemblies on motor vehicles

Order no.

9682 220 034



**KS TOOLS**

## Digital multimeter

with basic measurement functions, set of measurement cables with test probes (red/black), central rotary switch, 3 1/2 figure display, state of charge indicator in display, with stand, in protective rubber holster

Version continuous current, DC and AC voltage, resistance, diode check (with acoustic signal), transistor check, continuity test (with acoustic signal), data hold function

Operating temperature 0 to +40 °C

Overall length 138 mm

Width 69 mm

Depth 31 mm

fuse protection S1 (fine current) 200 mA/250 V

AC voltage 600 V

DC voltage 600 V

Direct current 10 A

Storage temperature -10 to +50 °C

Temperature for measuring accuracy  $23 \pm 5$  °C

Order no.

9501 501 495

## Good to know

Multimeters have led to a high number of accidents on high-energy system components. They are therefore not suitable! Special high-voltage measuring modules must be used.



**KUNZER**  
Qualität verbindet

## Digital multimeter

### MY68

professional hand-held meter with automatic measurement range setting, capacitance test, diode checking with acoustic signal, measurement of transistors, acoustic continuity test, frequency measurement, data hold (storage of the last values measured), **bar graph display**

Width 95 mm  
Height 195 mm  
Depth 45 mm

DC voltage measurement: 326 mV - 1000 V  
DC current measurement: 326 mA - 10 A  
AC voltage measurement: 3,26 V - 750 V  
AC current measurement: 326 mA - 10 A  
Resistance measurement: 326 Ohm - 32,6 MOhm

### Scope of supply

- protective cover with integrated measuring probe holders (both power sockets are protected)
- 2-fold adjustable mount
- wall bracket
- 920 mm test cables with test probes, both sides covered
- 9 V PP3 battery

Order no.

9539 641 049



**KUNZER**  
Qualität verbindet

## Assortment of testing cables

with its variety of test and extension cables, measuring probes and crocodile clips, this assortment is an ideal complement to MY 68

### Version

15-piece

Order no.

9539 641 033



## System cable unlocking set

electrical connectors can be unlocked without damage, connector damage and corrosion can be easily identified and therefore repaired quickly

### Scope of supply

in plastic case

### Version

23-piece

Order no.

9539 641 031

## Good to know

Multimeters have led to a high number of accidents on high-energy system components. They are therefore not suitable! Special high-voltage measuring modules must be used.





## Test needle set

### Micro

Test needles which are suitable for making contact at closed plug connections from the rear (cable entrance) through the grommet or heat-shrink sleeve, thus enabling measurement of the lines in the plugged-in state, the test probes are compatible with all popular banana connectors, for voltages up to 30 Volts

suitable for all 4 mm terminal connections  
Surface Nickel plated  
Material Brass

### Application range

suitable for making contact on control systems such as fuel injectors, TPS and MAP sensors as well as Weather-Pack connectors

### Scope of supply

4 test needles (black, red, blue and orange), 10 replacement needles, 4 mm adapter for banana connectors, 0,7 mm changeable needles in plastic box

Order no.

9682 220 513



## Diesel bleeding unit

### DEG

When the diesel filter or the high pressure fuel pump is changed, air remains in the lines after the fuel has been drained. Before the engine can be started again, the diesel line must therefore be bled.

The electric DEG diesel bleeding unit allows fast and safe bleeding of HDEP/MDEG diesel engines. It uses a powerful pump to deliver diesel fuel into the line, so that trapped air completely escapes from the fuel circuit.

The sealing technology is matched to EN 590 and B7 diesel. The pressure is steplessly controllable up to 10 bar. The intake hose is equipped with an exchangeable filter. The unit is provided with a tray for hoses and tools. It is light and handy and is therefore particularly suitable for mobile use.

**With Daimler AG approval.**

Power 1 l/min  
Working pressure 0-10 bar  
Length of filling hose 2,5 m  
Voltage 24 V  
Length 380 mm  
Width 319 mm  
Height 260 mm

Order no.

9539 642 001

### Accessories

#### Description

Order no.

Extension cable, especially for buses, 15 m, with battery clamps and fuse

9539 640 002



**Brake maintenance unit**

This electric device operates with a pulsating fluid stream. Because of this intermittent movement of the fluid stream, even the smallest air bubbles in the brake/clutch system are removed. The electronic deactivation prevents air from entering the system.

Version   steplessly adjustable working pressure

Volume   5 l

**Scope of supply**

without fluid container

| Type                                                            | Operating liquid       | Fig. | Order no.    |
|-----------------------------------------------------------------|------------------------|------|--------------|
| VARIO 5 II, incl. standard adapter no. 20 for European vehicles | DOT                    | 1    | 9539 500 035 |
| VARIO 5 MO, incl. clutch connection no. 67 MO                   | Mineral oil (Pentosin) | 2    | 9539 500 036 |

Everything for the bus workshop



**Brake maintenance unit**

**Vario 5-20 MO**

one-main operation, intelligent technology with automatic control mechanisms, suitable for hydraulic clutches and gearshift control, stepless adjustment of pressure control range, with electronic deactivation

|                        |            |
|------------------------|------------|
| Pressure range         | 0-3,5 bar  |
| Temperature range      | 0 to 45 °C |
| Length of filling hose | 3,5 m      |
| Length of mains cable  | 5 m        |
| Power supply           | 230-60 V   |

Order no.  
9539 500 045



## Brake maintenance unit mineral oil version

one-man operation, brake system leak test in the low-pressure range, suitable for all ABS systems and hydraulic clutches, working pressure adjustable, brake fluid supply, simple operation, unit switches off automatically at a residual quantity of approx. 0.8 litres (optical/acoustic warning signal)

Volume 10 l

Order no.

9539 500 040



## Accessories set no. 102 MO, for brake maintenance unit VARIO 5 MO

for filling and bleeding the clutch and gearshift control

**Scope of supply**  
2 adapters, 3 hoses, canister

Version

6-piece

Order no.

9539 500 048



## Accessories set

### No. 98 MO, for brake maintenance unit VARIO 5 MO

suitable for MAN

**Scope of supply**  
adapter, 3 hoses, bleeder bottle

Version

5-piece

Order no.

9539 500 047



## Tyre mounting machine

### Promont 924, for trucks and buses

Suitable for fitting light truck and truck/bus tyres with steep bead seat rims and Unimog tyres with normal drop centre position. Clamping is hydraulic through the centre hole of the rim using a 3-stage universal bracket. Vertical clamping adjustment and the mounting sledge with mounting tools are also operated hydraulically. The tyres are prised off and the steep bead seat rims removed using the roller tool, fitting is carried out using a fitting finger. Prising off is by means of mounting roller and removal/fitting of normal drop centre rims and tyres using a fitting finger.

|                   |                          |
|-------------------|--------------------------|
| Wheel width, max. | 680 mm                   |
| Wheel Ø, max.     | 1350 mm                  |
| Clamping range    | 145-290 mm               |
| Separation force  | 2700-3200 kg             |
| Drive             | 1.5 kW                   |
| Voltage           | 400 V                    |
| Version           | suitable for rims 14-26° |

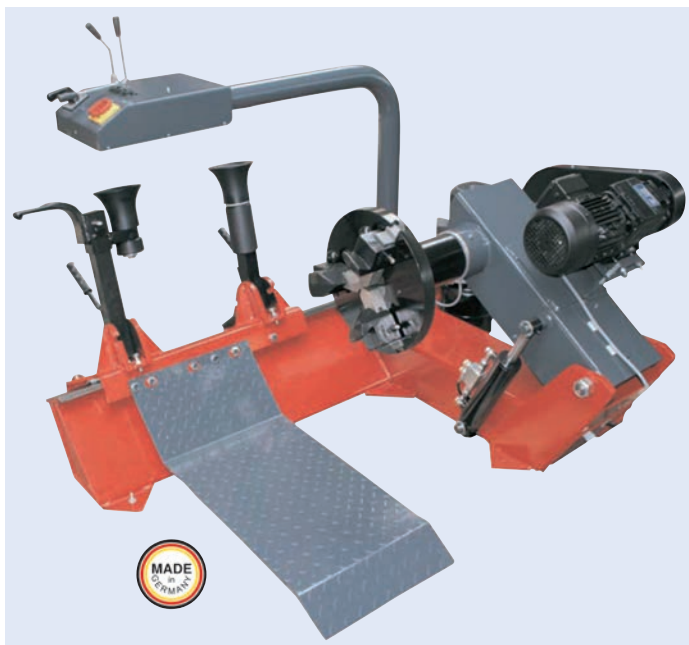
Clamping range through central hole in rim 145-290 mm

Space requirements (without staff) W 2000 x L 1500 mm

#### Scope of supply

1 fitting lever, 1 bead clamp for steel rims

| Description                  | Order no.    |
|------------------------------|--------------|
| Tyre mounting machine        | 9245 193 462 |
| Shipping and packaging costs | 9410 000 000 |
| Instruction costs            | 9539 502 034 |



12

## Bead fixing clamp

suitable for all standard aluminium rims, goes easy on the sensitive aluminium surface



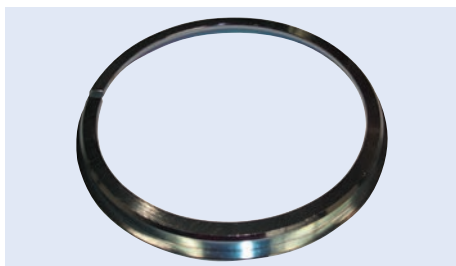
Order no.

9245 193 606

## Aluminium locking ring

easy system for tightening aluminium rims for trucks and buses, prevents damage as there is no direct contact between clamping jaws and the aluminium rim

Rim size 22,5"



Order no.

9245 199 510





### Wheel mounting device

#### WTA 500, hydraulic

can be used for all wheels with a diameter of 350 to 1300 mm, prevents back injuries and damage to threads during fitting/removal of the wheels and hubs, adjustable guide arms, for optional crane retrofitting, e.g. for installing brake drums

Frame width 854 mm

Adjustable guide arms 270-720 mm

Total width 988 mm

Total height 1182 mm

Total length 870 mm

min. lifting height over rollers 106 mm

max. lifting height over rollers 717 mm

Roller length 600 mm

Diameter of rotatable wheels 100 mm

Diameter of fixed wheels 125 mm

Roller diameter 40 mm

Order no.

5322 520 012

### Accessories

#### Description

Order no.

Retrofit crane e.g. for the ergonomic installation of brake drums 5322 520 013



### Wheel moulder

for the quick and easy fitting of tyres to motor vehicles, avoids thread damage, operation by one person possible

Load capacity 150 kg

suitable for Wheel sizes from 6.5" to 22.5"

Version 3-fold adjustment

Weight 12 kg

Order no.

9539 310 120



### Impact Air Wrench EP-Duo 3/4"

high-performance double impact striking device, cold insulated, low vibration, comfort handle, exhaust air guided through handle, multi-stage adjustable torque with clockwise rotation, reversible right/left direction of rotation with single-hand control, can be used with screws up to size M30

|                 |                        |
|-----------------|------------------------|
| Speed, maximum  | 5750 min <sup>-1</sup> |
| Torque, max.    | 1630 Nm                |
| Air consumption | 195 l/min              |
| Weight          | 3.1 kg                 |

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**Order no.**

**9565 290 002**

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### Impact Air Wrench EP-Duo 1/2"

high-performance double impact striking device, cold insulated, low vibration, comfort handle, exhaust air guided through handle, multi-stage adjustable torque with clockwise rotation, reversible right/left direction of rotation with single-hand control, can be used with screws up to size M16

|                 |                        |
|-----------------|------------------------|
| Speed, maximum  | 8500 min <sup>-1</sup> |
| Torque, max.    | 950 Nm                 |
| Air consumption | 133 l/min              |
| Weight          | 1.9 kg                 |

---

**Order no.**

**9564 290 001**

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### Impact Air Wrench 2277

Smart DUOPACT impact mechanism for rapid torque development, composite motor casing for very low weight, 3-level adjustment of tightening power, air exhaust through the handle

|                    |           |
|--------------------|-----------|
| Drive              | 1/2"      |
| Connection         | 1/4"      |
| Operating pressure | 6,3 bar   |
| Torque             | 1250 Nm   |
| Air consumption    | 250 l/min |
| Hose-Ø             | 8 mm      |

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**Order no.**

**9500 002 277**

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**RC RODCRAFT®****Impact Air Wrench****2425**

ergonomically favourable handle position, impact capacity can be regulated in 3 stages during tightening, reversible direction of rotation, always full capacity during loosening, exhaust air routed through the handle, single-hammer percussion tool

|                    |           |
|--------------------|-----------|
| Drive              | 1"        |
| Connection         | 1/2"      |
| Torque             | 2450 Nm   |
| Operating pressure | 6,3 bar   |
| Air consumption    | 370 l/min |
| Hose-Ø             | 13 mm     |

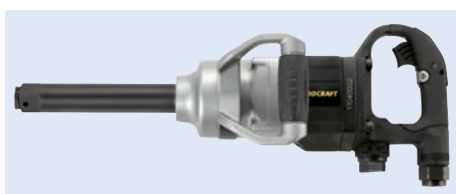
**Order no.****9500 202 425****RC RODCRAFT®****Impact Air Wrench****2377**

DUOPACT hammer mechanism, right-hand/left-hand changeover and power control on one switch in the rear cover of the motor, 3-level power reduction during tightening, full power during loosening, rubberised hand grip for good cold insulation, pistol grip

|            |         |
|------------|---------|
| Torque     | 1300 Nm |
| Connection | 3/4"    |
| Weight     | 3,38 kg |

air consumption, average 225 l/min

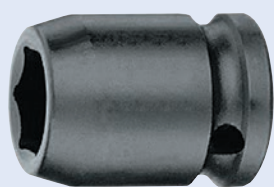
air consumption, continual 972 l/min

**Order no.****3002 430 405****RC RODCRAFT®****Impact Air Wrench****RC2477Xi**

excellent power-to-weight ratio with extreme impact strength up to 2900 Nm for loosening, long-life DUOPACT impact wrench, side handle rotatable through full 360° for any working position, extra narrow front (diameter 89 mm) allows access to tight spaces, with 3-stage power controller for both directions, integrated in the right/left changeover, spindle with socket retaining ring and hole for locking pin, ergonomic, cold-insulating rubber coating on both handles and motor housing

|                 |                        |
|-----------------|------------------------|
| Drive           | 1"                     |
| Connection      | 1/2" IG                |
| Torque          | 2100 Nm                |
| Torque, max.    | 2900 Nm                |
| Speed           | 5900 min <sup>-1</sup> |
| Air consumption | 300 l/min              |
| Noise level     | 106 dB(A)              |
| Hose inner-Ø    | 13 mm                  |
| Spindle length  | 179 mm                 |

**Order no.****9501 350 046**



Further sizes available on request!

### Impact socket DIN 3129/ISO 2725-2

Version short  
Form Hexagon  
Material chrome vanadium special steel  
Surface bronzed/black

#### Application range

for hexagon head screws, for all electric or pneumatic socket wrenches (impact wrenches)

#### Scope of supply

with connection pin and O-ring

| Spanner size | Drive | Order no.    |
|--------------|-------|--------------|
| 24 mm        | 3/4"  | 9534 091 210 |
| 27 mm        | 3/4"  | 9534 091 230 |
| 30 mm        | 3/4"  | 9534 091 240 |
| 32 mm        | 3/4"  | 9534 091 245 |
| 33 mm        | 3/4"  | 9534 091 250 |
| 36 mm        | 3/4"  | 9534 091 260 |
| 46 mm        | 3/4"  | 9534 091 280 |
| 27 mm        | 1"    | 9534 091 440 |
| 30 mm        | 1"    | 9534 091 450 |
| 32 mm        | 1"    | 9534 091 460 |
| 33 mm        | 1"    | 9534 091 470 |
| 36 mm        | 1"    | 9534 091 480 |



Further sizes available on request!

### Impact socket

Version long  
Form Hexagon  
Material chrome vanadium special steel  
Surface bronzed/black

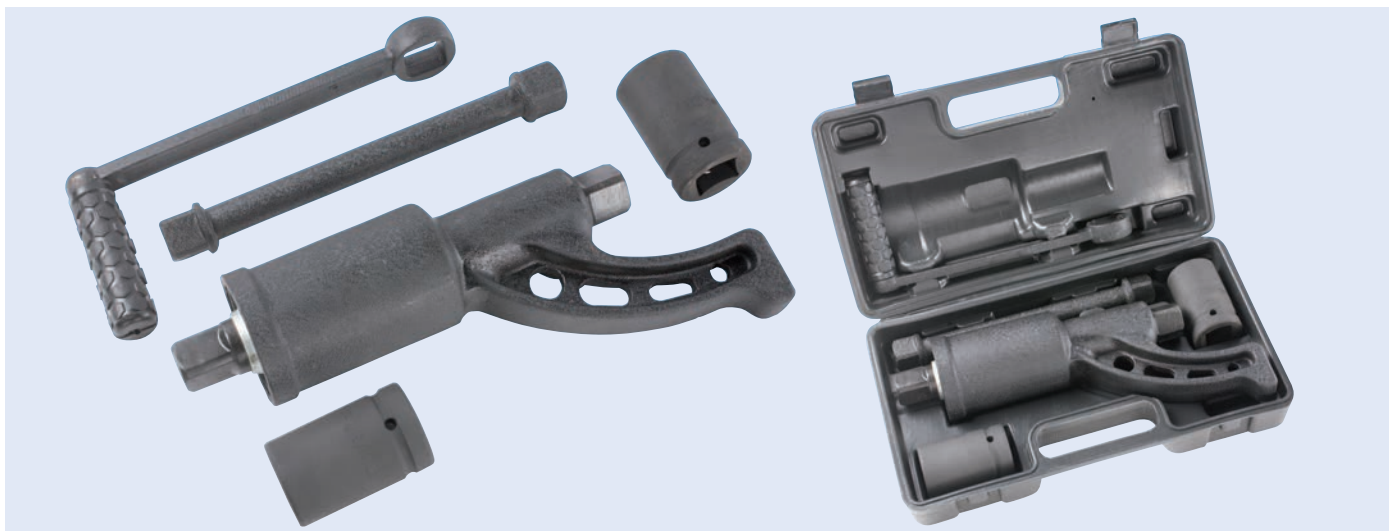
#### Application range

for hexagon head screws, with hexagonal profile, for all electrical power socket wrenches (impact wrench) or those that are driven by compressed air

#### Scope of supply

with connection pin and O-ring

| Spanner size | Drive | Order no.    |
|--------------|-------|--------------|
| 24 mm        | 3/4"  | 9534 091 320 |
| 27 mm        | 3/4"  | 9534 091 325 |
| 30 mm        | 3/4"  | 9534 091 330 |
| 32 mm        | 3/4"  | 9534 091 335 |
| 33 mm        | 3/4"  | 9534 091 340 |
| 36 mm        | 3/4"  | 9534 091 350 |
| 41 mm        | 3/4"  | 9570 660 009 |
| 24 mm        | 1"    | 9534 091 605 |
| 27 mm        | 1"    | 9534 091 610 |
| 30 mm        | 1"    | 9534 091 615 |
| 32 mm        | 1"    | 9534 091 620 |
| 33 mm        | 1"    | 9534 091 625 |
| 36 mm        | 1"    | 9534 091 630 |



## Torque multiplier

Translation 1:58

### Scope of supply

1 each bit 32 and 33 mm, 1 extension, in case

**Only to be used for undoing! The extreme ratio can otherwise cause damage.**

Order no.

3002 413 237

Everything for the bus workshop



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### Torque wrench DREMOMETER DR

controlled bolt or nut tightening in the range 140-760 Nm, adjustable torque wrench with 3/4" single square for controlled clockwise tightening, 3/4" drive square with locking pin DIN 3120-B 20, ISO 1174, can be traced back to national standards, automatic short-path triggering with touch and sound signals, triggering accuracy: +/- 3 % tolerance of the set scale value, all-metal construction of high-strength aluminium alloy

|                |                                          |
|----------------|------------------------------------------|
| Standard       | DIN EN ISO 6789                          |
| Version        | with extension tube, stepless adjustment |
| Drive          | 3/4"                                     |
| Working range  | 140-760 Nm                               |
| Lever length   | 1100-1400 mm                             |
| Length         | 800-1400 mm                              |
| Scale division | 10 Nm/10 lbf·ft                          |

#### Application range

ideal for the commercial vehicle sector, for use in all industrial processing areas

**On request, the wrench can also be supplied with lock and safety device. Please state Nm value when ordering, if fixed factory adjustment is required (price on request).**

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Order no.

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9240 074 951

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### Dismantling fluid

for dismantling seized tyres makes it possible for the dismantled tyre to be reused without restriction (where products containing oil are used, the structure-destroying effect of mineral oil on rubber makes further use of the tyre impossible), is not aggressive to the rubber structure of the tyre bead, is free of mineral oil and extremely economical to use, fluid, creeps extremely well

**Not suitable for mounting tyres due to the high gliding effect. Danger of tyres creeping.**

| Contents | Container        | Order no.    |
|----------|------------------|--------------|
| 5 l      | Plastic canister | 2300 016 951 |



### Tyre mounting paste

ensures a pressure-resistant fitting film and thus makes improved centering of the tyre on the rim possible, if the tyre slips there is no splashing or soiling, the good evaporation properties result in a form-fit connection between tyre and rim, keeps rubber supple and thus guarantees a permanent sealing effect on the tyre bead, is skin-friendly and biologically degradable

Colour white

#### Application range

for fitting truck, bus and car tyres

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 5 kg     | Bucket    | 9547 250 003 |



### Special paintbrush for mounting paste and cream

Length 500 mm

Head Ø 50 mm

| Order no.    |
|--------------|
| 2300 016 852 |





## Air cannon

### Bead Bazooka, for tyre fitting

the tyre is pushed onto the rim by the sudden air discharge

- patented RAR valve (automatic - press and discharge)
- hanging bracket
- straightforward operation
- suitable for mobile and stationary applications
- TÜV/CE certified

|                 |                    |
|-----------------|--------------------|
| Boiler contents | 9 l                |
| Weight          | 6,5 kg             |
| Version         | automatic          |
| Material        | high-quality steel |

Order no.

9539 310 161



## Tyre balancing powder

### EUROBALANCE

Plastic granules for damping vibrations in commercial vehicle tyres, scientifically endorsed and internationally proven alternative to traditional balancing with lead and giving better results, effective over the whole life of the tyre, rebalancing no longer necessary, optimises driving comfort and extends tyre life by damping vibrations and balancing masses

Operation:

- do not adhere or cling anywhere on the tyre but move constantly and freely around the circumference instead
- there they absorb forces, vibrations and dampen the movement cycle of the tyre
- comparable with a dead blow hammer in which the filling absorbs the force of the impact
- the functional principle is therefore different to traditional balancing

| Contents  | Container | Order no.    |
|-----------|-----------|--------------|
| 10 litres | Bucket    | 9245 660 257 |



## Tyre profile gauge

Measuring range 0-30 mm

Order no.

9245 191 653



## Wheel marking sticker

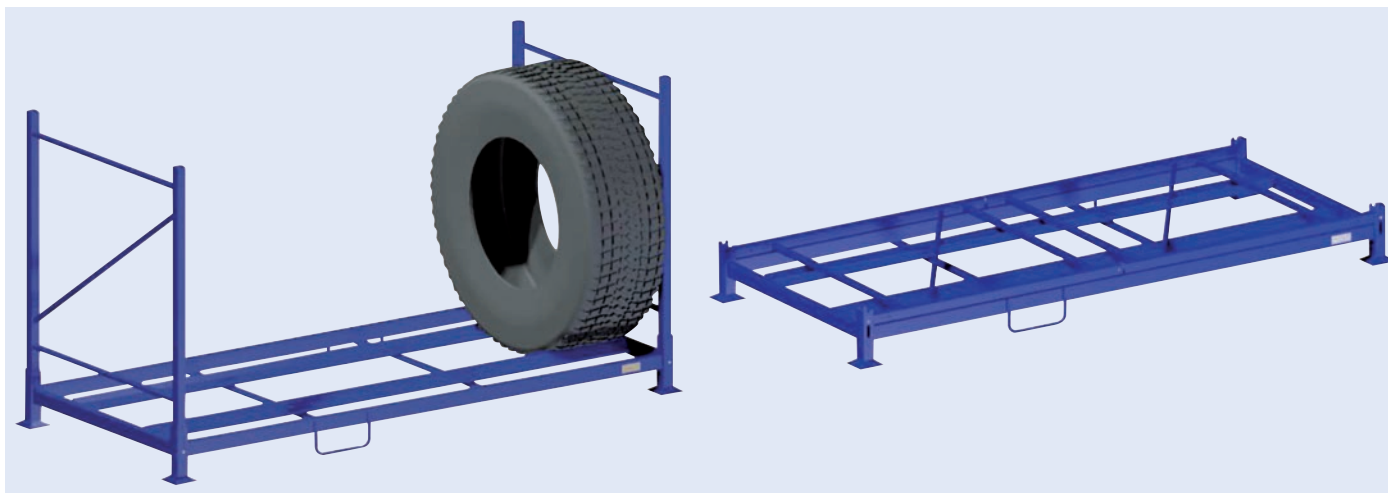
excellent adhesion even on damp tyres thanks to special adhesive, aluminium-coated on the back (prevents tyre components or adhesive from penetrating through to the front of the label), label can be marked with any pen, pre-printed for variable use on all four wheel positions

|                |             |
|----------------|-------------|
| Size           | 120 x 80 mm |
| Packaging unit | 100         |

Order no.

9539 100 675





### Stacking pallet for commercial vehicle tyres

Load, max. 600 kg  
Outer dimension 2400 x 1100 x 1260 mm  
Surface powder-coated  
Type AR 10

Vertical stacking: max. 5 units on top of each other  
Storage for empty pallets: max. 20 units on top of each other  
Storage capacity: 6 tyres 385/65/R22.5 or 8 tyres 315/80/R22.5

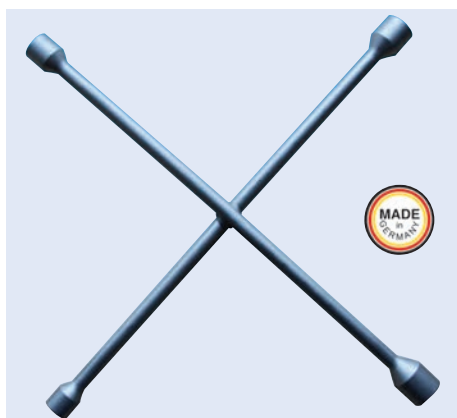
Order no.  
9573 001 000



### edding® Tyre marking pen edding 8050

low odour  
Colour white  
Thickness 2-4 mm

Order no.  
9699 010 206



### Spider wrench

Dimensions 750 x 750 mm  
Spanner size 24 x 27 x 30 x 32 mm + 13/16"  
(AF 15/16 x 1 1/16 x 1 3/16 x 1 1/4 + 13/16)  
Material Chrome-vanadium steel  
Surface silver painted

Order no.  
9524 273 032



Tankstellen- und Werkstattgeräte

## Test device for battery and charging system

Testing can be conducted removed from vehicle or installed/connected, provides immediate analysis of battery voltage, starter current and level under temperature compensation, backlit LCD display, with inverse polarity protection, can test deep-discharged batteries from 1.5 V upwards, with starter motor and alternator circuit analysis in 12/24 V systems, starter motor test: cranking voltage, alternator test: no-load voltage and charge voltage

|          |                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------|
| Standard | SAE: 40 to 2000 CCA<br>DIN: 25 to 1300 CCA<br>IEC: 30 to 1500 CCA<br>EN: 40 to 2100 CCA<br>JIS: Battery type no. |
| Type     | VRLA/GEL<br>AGM/SPIRAL/sealed batteries<br>SLI (liquid batteries)                                                |

Language selection: French, English, German, Spanish, Italian, Portuguese, Japanese

### Application range

Vehicle battery 6/12 V from 7-230 Ah

### Scope of supply

ABS hard protective case

Order no.

9682 202 402



Batterietestbericht  
Datum: 2006/2/21 Zeit: 17:7  
Techniker:  
Batteriemodell:  
Batterietyp: MF  
Batterienom: EN  
Bezugswert: 540A  
Ladezustand: 95%  
Spannung: 12.59V  
Batterietemperatur: 18C/64F  
Kapazitätstest: Warnung  
Lebensdauer Batterie: 41%  
Kapazität: 461A  
Startfähigkeitstest: Warnung  
Startfähigkeit: 33%  
Ladesystemtest: OK  
Spannung: 14.00V  
Diode Überwelligkeit: OK  
Empfehlung:  
Bald ersetzen  
Testermodell#: AA500P  
SW Version#: v2.3

## Battery tester

### AA500 PWP, Argus Analyzer

A comprehensive battery test has never been this easy. Achieve a competent overview of the battery's performance with only three measurements. Details of the charge state, the residual service life of the battery (available cold-start current) and starting ability (voltage drop when starting the engine) give you hard facts in black and white to explain the need for a preventive battery replacement to your customer, for example. At the same time, the unit checks the alternator voltage and rectifier diode harmonics. Testing of all 12 V systems.

Language selection: French, English, German, Spanish, Italian, Portuguese, Japanese

### Scope of supply

Carry bag, printer, in cardboard box

With MAN factory recommendation.

Order no.

9539 640 200

### Accessories

#### Description

Order no.

Printer paper

9539 640 205

## Battery test report - Illustration

A The device recommends appropriate actions

B User entries

- Type: wet, maintenance-free (MF), fleece, gel (VRLA)
- Standard in which the cold current is given (SAE, DIN, EN, IEC)
- Value for cold start current

C Measurement result 1: State of charge (temperature-compensated)

D Measurement result 2:

Battery life remaining

The device determines how much cold current from the battery is still supplied and compares these values with the given battery nominal data.

E Measurement result 3:

Load test in the vehicle

During a starting attempt, the device measures the voltage drop in the battery (value P3) when the starter demands its power requirement.

The more the voltage drops away from it, the worse is the battery.

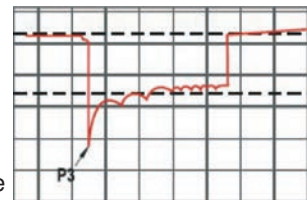
F Alternator test:

Output voltage and diode ripple

When P3

4 Volt => CH 0%

9,05 Volt => CH 100%



Voltage curve

|                               |  |
|-------------------------------|--|
| Battery test report           |  |
| Date: 2011/07/15              |  |
| Time 08:43                    |  |
| Recommendation:               |  |
| Continue using                |  |
| -----                         |  |
| Technician:                   |  |
| -----                         |  |
| Battery model:                |  |
| Battery type: MF              |  |
| Battery standard: EN:         |  |
| Benchmark: 850A               |  |
| -----                         |  |
| Charge level: 100%            |  |
| Voltage: 12.65V               |  |
| Battery temperature: 25C/77F  |  |
| -----                         |  |
| Capacity test: OK             |  |
| Battery life: 100%            |  |
| Capacity: 898A                |  |
| -----                         |  |
| Starting ability test: OK     |  |
| Starting ability: 100%        |  |
| Voltage: 9.58V                |  |
| -----                         |  |
| Charging system test: OK      |  |
| Voltage: 14.28V               |  |
| Rectifier diode harmonics: OK |  |
| -----                         |  |
| Tester model #: AA500P        |  |
| Software version: v3.1        |  |

|                               |  |
|-------------------------------|--|
| Battery test report           |  |
| Date: 2011/07/15              |  |
| Time 09:18:00                 |  |
| Recommendation:               |  |
| Replace soon                  |  |
| -----                         |  |
| Technician:                   |  |
| -----                         |  |
| Battery model:                |  |
| Battery type: MF              |  |
| Battery standard: EN:         |  |
| Benchmark: 800A               |  |
| -----                         |  |
| Charge level: 100%            |  |
| Voltage: 12.64V               |  |
| Battery temperature: 23C/73F  |  |
| -----                         |  |
| Capacity test: Warning        |  |
| Battery life: 42%             |  |
| Capacity: 684A                |  |
| -----                         |  |
| Starting ability test: OK     |  |
| Starting ability: 97%         |  |
| Voltage: 9.73V                |  |
| -----                         |  |
| Charging system test: OK      |  |
| Voltage: 13.98V               |  |
| Rectifier diode harmonics: OK |  |
| -----                         |  |
| Tester model #: AA500P        |  |
| Software version: v3.1        |  |

|                               |  |
|-------------------------------|--|
| Battery test report           |  |
| Date: 2011/07/15              |  |
| Time 09:21:00                 |  |
| Recommendation:               |  |
| Replace now                   |  |
| -----                         |  |
| Technician:                   |  |
| -----                         |  |
| Battery model:                |  |
| Battery type: MF              |  |
| Battery standard: EN:         |  |
| Benchmark: 280A               |  |
| -----                         |  |
| Charge level: 94%             |  |
| Voltage: 12.52V               |  |
| Battery temperature: 21C/69F  |  |
| -----                         |  |
| Capacity test: Not OK         |  |
| Battery life: 0%              |  |
| Capacity: 190A                |  |
| -----                         |  |
| Starting ability test: OK     |  |
| Starting ability: 56%         |  |
| Voltage: 7.55V                |  |
| -----                         |  |
| Charging system test: OK      |  |
| Voltage: 14.20V               |  |
| Rectifier diode harmonics: OK |  |
| -----                         |  |
| Tester model #: AA500P        |  |
| Software version: v3.1        |  |

A

B

C

D

E

F

## ... And here is how to interpret the test strip:

The battery is fully charged, and both the measured cold start current and the starting ability are present in full.

This battery is also fully charged. However, there are significant deficiencies in the start current "D". The measurement for the starting ability "E" is only positive because the ambient temperature is high. At lower temperatures and poorer charge levels, this battery will soon stop working.

**Conclusion:** This result is tolerable in the spring, because there is a period of warm weather ahead. In the autumn the customer should be advised to replace the battery immediately.

Another fully charged battery. However, this battery shows a completely inadequate cold start current "D". It will only start the engine because the temperature is high. The voltage drop to 7.55 V (56%) is a sure sign of weakness. Replace immediately.



## Start booster

### XPA 12/24-4

**automatic reversed polarity protection and automatic 12/24 Volt voltage selection, electronics protection**, short-circuit/overload protection, long-life and deep-cycle resistant Hawker batteries, lifetime at max. 50% starting discharge: 1000 cycles, supplied IUU charger allows permanent connection to 230 V, so that 100% output is always available, very powerful, includes transport base

|                     |                    |
|---------------------|--------------------|
| Capacity            | 4 x 16 Ah = 64 Ah  |
| Cable cross-section | 50 mm <sup>2</sup> |
| Cable length        | 140 cm             |
| Width               | 470 mm             |
| Height              | 1000 mm            |
| Depth               | 400 mm             |

starting current at 12 V 2000 A, at 24 V 1000 A

starting current at 12 V 5700 A, at 24 V 2850 A

### Application range

suitable for vehicles up to 650 PS at 24 V

Order no.

9539 640 106



## Battery charger

### XT 14000 EXTENDED

High-frequency charger with fully automatic charging characteristic IUoIU without voltage peaks, the solution for permanent installation in vehicles with 24V on-board voltage, for open, maintenance-free, AGM, GEL and lead-calcium batteries

|                      |                                 |
|----------------------|---------------------------------|
| Version              | 7-stage charging characteristic |
| Connection           | 24 V                            |
| Voltage              | 220-240 V AC                    |
| Charge voltage       | 28.8 V, nominal 24 V            |
| Charge current, max. | 14 A                            |
| Protection class     | IP44                            |
| Length               | 233 mm                          |
| Width                | 128 mm                          |
| Height               | 64 mm                           |

Battery capacity: 28-300 Ah (charging), 28-500 Ah (maintenance)

Back current drain: < 2 Ah/month

### Application range

suitable for vehicles in which electrical consumers are regularly operated with the vehicle at a standstill or for seasonal operation

### Scope of supply

6 m cable with M8 ring terminals for battery connection

### 2 year manufacturer's warranty

Order no.

9539 640 101







## Battery charger

### MXT 14

CTEK charger, electronic, SUPPLY – special mode in which the device can be used as a power supply unit if the battery is removed (radio code), Regeneration mode – special mode in which exhaustively discharged batteries can be regenerated and returned to full capacity, with 8-stage, fully-automatic IUoUp charging characteristics without voltage peaks,

#### MAN approval issued

|                      |                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Charging steps       | 1 - desulphation, 2 - soft start, 3 - main charge, 4 - absorption, 5 - analysis, 6 - recond., 7 - float, 8 - pulse charge conservation |
| Charge voltage       | 27.2 V, 28.8 V, 31.6 V, <b>nominal 24 V</b>                                                                                            |
| Charge current, max. | 14 A                                                                                                                                   |
| Protection class     | IP44                                                                                                                                   |
| Cable length         | 1,85 m                                                                                                                                 |
| Length               | 233 mm                                                                                                                                 |
| Voltage              | 170-260 V AC                                                                                                                           |
| Width                | 128 mm                                                                                                                                 |
| Height               | 64 mm                                                                                                                                  |

Battery capacity: 28-300 Ah (charge), 28-500 Ah (maintain)

Battery types: open, maintenance-free AGM, gel and lead-calcium

Reverse current: < 2.3 mA

Charging time for a 60 Ah battery: 4 hrs at 14 A

**GS-tested, 2 year manufacturer's warranty**

Order no.

9539 640 145



## Battery charger

### AUTOSTAR 700

Starting aid function. Equipped with CPS (Car Protection Systems) that protects the electronic vehicle components such as engine control, airbag etc. A timer makes controlled charging possible.

Version mobile

Power consumption 1400 W

Battery charging: 12-24 V/50 A, Booster: 550 A

#### Application range

suitable for passenger cars, medium-sized trucks, buses and agricultural vehicles

#### Scope of supply

Charging cable 1.95 m, mains cable 2.4 m

Order no.

9539 640 148



## Air-conditioning service unit AR 700

fully automatic unit for extraction, recycling, dehumidification and filling of large air conditioning systems, e.g. in bus or train, as well as other R132a air conditioning systems

- integrated database
  - fully automatic oil filling
  - fastest filling unit of its time – 120 kg/h
  - large refrigerant tank (40 l/30 kg)
  - heavy duty scales – 100 kg
  - **internal Windows computer with touchpad operation and WLAN!**
  - **can be converted to other refrigerants, such as R404 and R411, etc.**
- with EvoBus approval**

| Description                   | Order no.    |
|-------------------------------|--------------|
| Air-conditioning service unit | 9682 220 598 |
| Shipping and packaging costs  | 9410 000 000 |

### Accessories

| Description        | Order no.    |
|--------------------|--------------|
| Printer            | 9682 220 601 |
| Printer paper roll | 9682 220 602 |
| Cover hood         | 9682 220 603 |
| Maintenance kit    | 9682 220 604 |



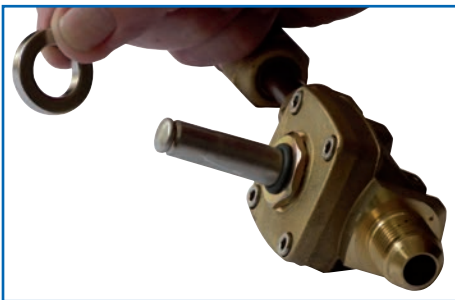
## Starter set Air-conditioning Service Bus

contains all the important aids for professional air-conditioning service

### Scope of supply

O-ring set, full-width safety goggles, safety gloves, nitrogen valve, leak detector cartridge, filling hose, coupling, ratchet wrench, digital thermometer

| Version | Order no.    |
|---------|--------------|
| 9-piece | 9682 220 689 |



## Magnetic key Mini

the cost-effective alternative to normal magnetic keys

|                |         |
|----------------|---------|
| Type           | MVOC-16 |
| Outer Ø        | 27 mm   |
| Inner Ø        | 16 mm   |
| Overall height | 5 mm    |

| Order no.    |
|--------------|
| 9682 220 774 |





The control attachment must not be used with electrically operated solenoid valves.



## Magnetic key

the quickest and easiest way to convert solenoid valves into manual valves, enables tests on solenoid valves and makes it easier to find a faulty valve, extremely compact dimensions, easy to use and handle due to practical size

Overall height 41 mm  
 $\varnothing$  41 mm

## Application range

e. g. for opening the compressor circuit on bus air conditioning systems

| Type    | Bore hole | Order no.    |
|---------|-----------|--------------|
| MVOC-10 | 10 mm     | 9682 220 770 |
| MVOC-15 | 15 mm     | 9682 220 771 |
| MVOC-18 | 18 mm     | 9682 220 772 |



## Refrigerator oil

### RENISO TRITON SE 55

on the basis of synthetic ester, for all cooling circuits in which chlorine-free refrigerant is used, e.g. R134a. Depending on viscosity, recommended for hermetic, semi-thermal and open piston and screw compressors, contributes to improving performance of the air-conditioning system and recommended by leading vehicle and parts manufacturers, is often used in Mercedes-Benz, Neoplan, MAN, EvoBus units

## Check compressor type!

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Can       | 9895 720 131 |



## UV leak detection lamp set

### UVPRO-3W

Spotlight 450 nm, with very bright 3W LED light, UV leak detection through focussing of the UV light on a small point (6 cm at a distance of 0.5 m)

## Scope of supply

With UV safety goggles, in plastic case

| Order no.    |
|--------------|
| 9682 220 748 |



## Leak detection contrast agent

for approx. 33 applications

## Scope of supply

incl. air-conditioning service sticker

certified according to SAEJ 229

Warning: Not all compressor manufacturers allow the use of contrast agent!

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 250 ml   | Bottle    | 9686 770 523 |

## Pressure test refrigeration/air conditioning unit using nitrogen or forming gas

"The filling of a leaking air conditioning unit with refrigerant, even to search for a leak (...), is no longer permitted. The leak must be located first and then the unit filled with refrigerant," (§ 3 Sect. 3, ChemKlimaschutzV of 02.07.2008).

This means for the practical person: A refrigeration or air conditioning unit that is depressurised (without refrigerant), must be pressurised, e.g. with nitrogen or forming gas before being filled.

Pressurising with nitrogen is a simple and inexpensive method. Nitrogen can even dry the A/C unit and can be vented to atmosphere without any problem. The A/C unit must naturally contain no refrigerant when it is pressurised. Pressurising is up to between 5 and 30 bar, depending on the manufacturer. There are therefore two methods (pressure reducers up to 20 bar and up to 40 bar), which are very different in price. The pressure drop is monitored at the pressure gauge.

The pressurising with forming gas is performed just as with nitrogen. It should however be noted that hydrogen gas (H<sub>2</sub>) is combustible. It is therefore absolutely necessary to use only forming gas with 95 % nitrogen (N<sub>2</sub>) and 5 % hydrogen. The advantage of forming gas over nitrogen is that forming gas can be detected by our electronic leak detector instruments.



### Starter set

#### for nitrogen

#### Scope of supply comprising:

Cylinder cart, pressure reducer 0-40 bar, additional pressure gauge, hose 1800 mm and ND quick coupling  
without nitrogen cylinder

Order no.

9682 220 787

### Accessories

#### Description

#### Order no.

|                                                            |              |
|------------------------------------------------------------|--------------|
| Nitrogen bottle (bottle with refundable deposit)           | 9685 980 253 |
| Adapter piece, FC-04 x 04, 1/4"-SAE x 1/4" internal thread | 9682 220 755 |
| Leak Detector Spray, 400 ml                                | 9230 000 150 |



## Starter set for forming gas

### Scope of supply comprising:

Cylinder cart, pressure reducer 0-20 bar, additional pressure gauge, hose 1600 mm  
and ND quick coupling  
**without forming gas cylinder**

**Order no.**

**9682 220 786**

### Accessories

#### Description

**Order no.**

Forming gas bottle, Leak detection gas (bottle with refundable deposit) **9685 980 254**

Adapter piece, FC-04 x 04, 1/4"-SAE x 1/4" internal thread **9682 220 755**

Leak Detector Spray, 400 ml **9230 000 150**



## Unlocking tool set for air-conditioning systems

for unlocking various quick-release couplings on air-conditioning systems, air, oil and  
fuel lines

### Scope of supply

Plastic carrying case

#### Version

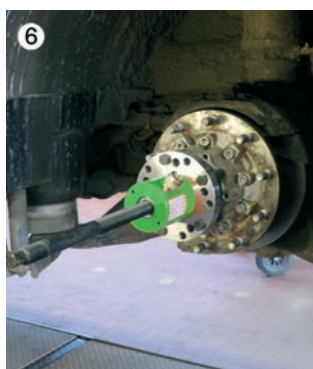
**Order no.**

22-piece

**9539 641 050**







## Puller set

the extractor is hydraulically operated using a 30 tonne press cylinder, even very tight and difficult to remove wheel hubs can be released without problems, difficulties in repairing portal axles on low floor buses belong in the past

### Application range

for use on ZF A, B and C axles (of axle type AV132) on MAN, MB Citaro and Neoplan low-entry buses

### Scope of supply

Drilled disc, screw adapter for thread M16, M18 and M20, spindle with hand crank, 3 pressure plates, hydraulic cylinder (30 tons), without pump and hose

### Procedure:

- The bolt circle disk with different radii and bore diameters (M16, M18 and M20) is secured to the hub using the supplied bolts and distance sleeves (Fig. 2+3).
- Insert the appropriate thrust piece (Fig. 4)
- Bolt the hydraulic cylinder into the bolt circle disk (Fig. 5)
- Screw the connecting spindle into the hydraulic cylinder until it makes contact with the thrust plate (Fig. 6)
- Connect the hydraulic pump (Fig. 7)
- Now start the hub extraction procedure (Fig. 8) If the hydraulic cylinder travel is not enough to fully release the hub, screw the connection spindle in further.

Version

22-piece

Order no.

1560 060 100



## Axle leg bolt press set

### FP 65 s

for pressing bolts in and out without removing the front axle, saves a great deal of time, easy to handle, works in any position, high pressing force, can also be used as a stationary and mobile workshop press

Version for MAN special application as well as all other trucks  
 Pressure 73 t  
 Stroke 115 mm  
 Clearance 250 mm

### Scope of supply

1 press body, 2 stay bolts, 1 transverse bridge complete, 1 reducer for bridge bore diameter 70/55 mm, 1 separate hand pump with 1.8 m hydraulic hose, 1 pressure bolt set (6-piece) diameter 21.5 - 39 mm, 1 bridge and piston locking piece, 1 lifting and transport cart, pivotable

Order no.

9534 004 055

Everything for the bus workshop

12



### Accessories

| Description                                                                                                                                                     | Fig. | Order no.    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| Special accessories MAN: piston bore diameter 35/25 mm, bridge reduction diameter 70/65 mm                                                                      | 1    | 9534 004 056 |
| Special accessories Mercedes-Benz buses: BR 1, BR 2, BR 3 (diameter 38 mm), BR 3 (diameter 45 mm), BR 4 (bushing), BR 4 (needle bearing), BR 1-LN 1, V 04, VL 5 | 2    | 9534 004 066 |


**KLANN**

### Clutch centering tool for trucks and buses with one/two plate clutch

using the centring pin set, one and two plate clutches of trucks, buses and tractors can be correctly centred in relation to the engine

mandrel size 1 is suitable for a hub inner diameter of 36-45 mm

mandrel size 2 is suitable for a hub inner diameter of 42-52 mm

#### Scope of supply

centring sleeves with a diameter of 20, 25, 27 and 30 mm, clutch centring mandrel sizes 1 and 2, with plastic case

---

**Order no.**


---

**9501 557 044**


---


**KLANN**

### Clutch centering tool for trucks, buses and vans with one/two plate clutch

allows rapid and easy centring of the clutch disc or clutch discs, the centring is done via the guide bearing in the crankshaft

#### Scope of supply

Clutch centring tool for truck/bus. clutch centring tool for van, in plastic case

---

**Order no.**


---

**9501 557 045**


---


**KLANN**

### Adjustable wrench for track rods

for releasing and turning stiff track rods with a diameter of approx. 40-50 mm, the wide gripper jaws prevent damage to the track rod

---

**Order no.**


---

**9515 571 692**


---







### Motor turning gear for Mercedes-Benz and MAN

with new, thin baseplate and 2 toothed wheels

suitable for Mercedes-Benz engines, series 400 and 500  
MAN 6- and 12-cylinder engines

Drive 2"

Order no.

9500 500 505



### Motor turning gear for Mercedes-Benz and MAN

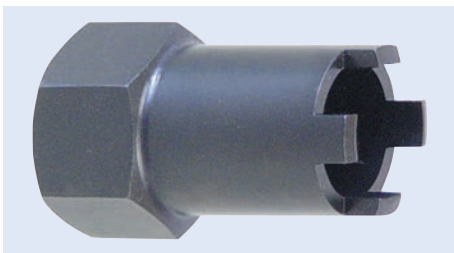
with new, extra thick baseplate and 3 toothed wheels

suitable for Mercedes-Benz engines, series 900  
MAN 5-, 6- and 8-cylinder engines

Drive 1/2"

Order no.

9500 500 506



### Pin wrench

suitable for MAN, Neoplan, Setra etc.

drilled out on the inside to allow the cables and connectors from the needle sensor to pass through

Spanner size 32 mm

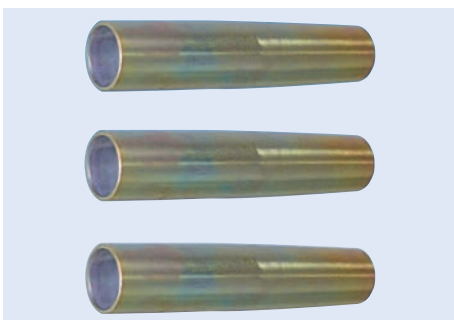
Length 60 mm

#### Application range

for unscrewing and screwing in or retightening the pressure nut at the nozzle holder

Order no.

9501 557 056

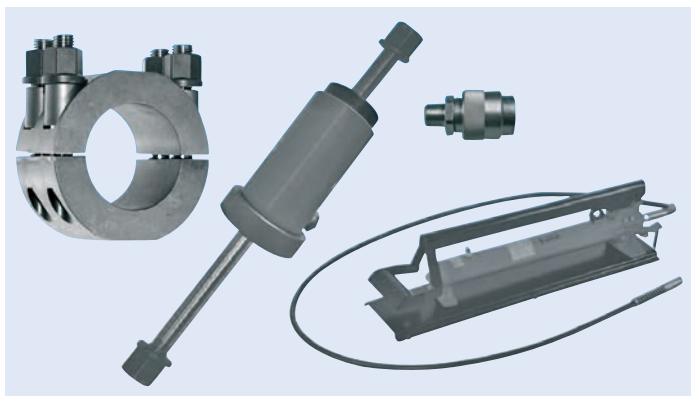


### Centring sleeves set

for the simple and straightforward fitting of truck wheels, the centring sleeves are screwed on and off using a standard 1/2" reversible ratchet, saving lots of time, preventing damage to the thread, exact centring thanks to the conical sleeve shape

Threaded bolt M22 x 1,5

| suitable for                                     | Ø of rim hole | Order no.    |
|--------------------------------------------------|---------------|--------------|
| DAF, Ford, MAN, Mercedes, Renault, Scania, Volvo | 26 mm         | 9500 602 226 |
| MAN, Mercedes-Benz                               | 32 mm         | 9500 602 232 |



### Basic set

#### Commercial vehicle silent bearing

for use of the corresponding half-shell sets when replacing the silent bearing at the leaf spring, stabilizer, driver's cab mounting, shock absorber without removing the axle

Version hydraulic

#### Scope of supply

Clamping block for pretensioning of silent bearings up to 90 mm diameter, hydraulic cylinder 17.5 t, hydraulic coupling for hydraulic cylinder, hydraulic foot pump max. 700 bar, complete with 10 mm (3/8") NPT connection and 2.50 m hose, M20 nut with collar (2 pieces) and truck tension bolts 515 mm

Order no.

9140 500 006



**KUNZER**  
Qualität verbindet

### Disconnecting pliers

#### universal, 7DSK01

allows single-handed opening of SAE quick-release couplings, safe handling, gripper opening with release spring (self-opening)

#### Application range

SAE quick-release couplings on fuel lines

Order no.

9539 641 182



**KUNZER**  
Qualität verbindet

### Disconnecting pliers

#### universal, 7DSKG01

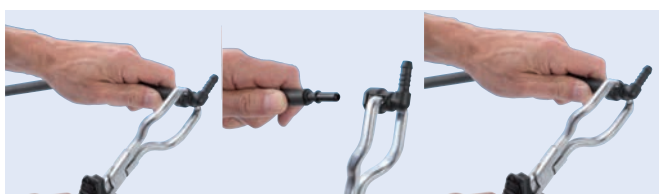
needed when changing fuel filters which are equipped with quick-release couplings, prevents damage to the SAE quick-release couplings

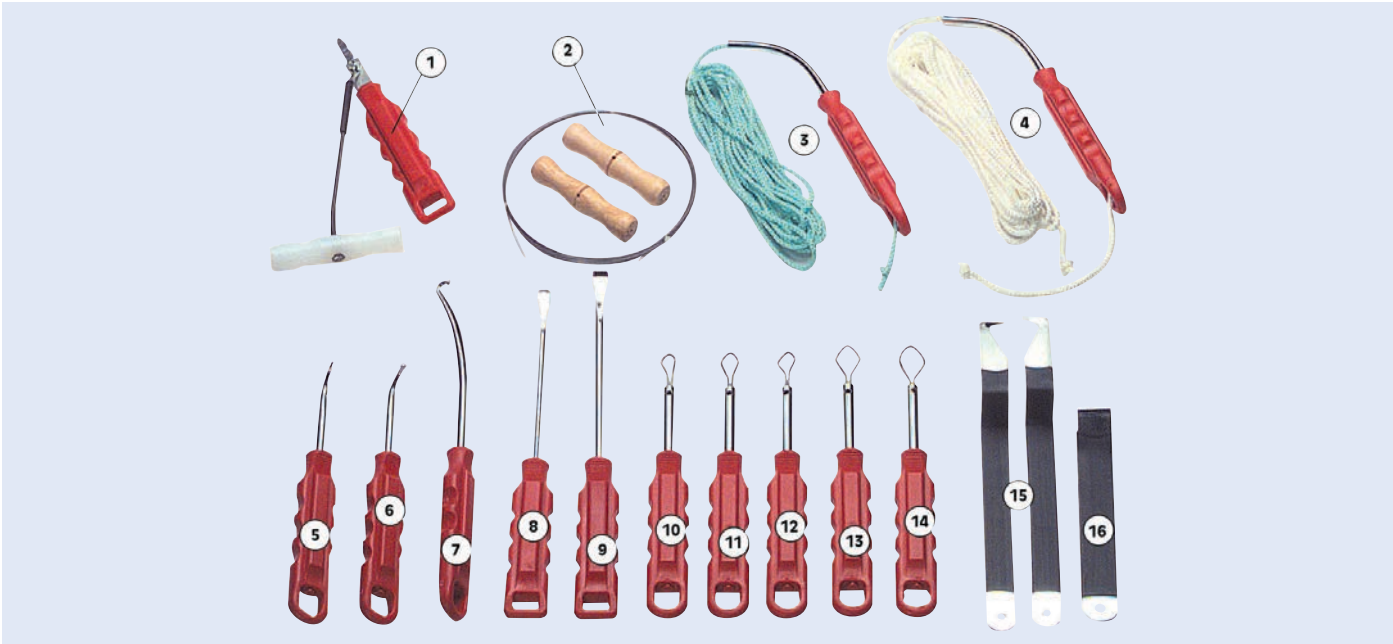
#### Application range

SAE quick-release couplings on fuel filters

Order no.

9539 641 183





Window installation tool

| Description     | Version          | Fig. | Order no.    |
|-----------------|------------------|------|--------------|
| "T" bar         | for cutting wire | 2    | 9115 880 020 |
| Line pull       | long             | 4    | 9115 840 002 |
| Pointed mandrel | short            | 5    | 9115 840 010 |
| Ball pliers     | short            | 6    | 9115 840 011 |
| Piping pull-in  | 11 mm            | 12   | 9115 840 006 |
| Piping pull-in  | 12 mm            | 13   | 9115 840 007 |



Drag rope

for removal of directly bonded motor vehicle windows, particularly suitable at problem areas

|              |
|--------------|
| Order no.    |
| 2300 044 397 |



Suction holder  
2-head plastic body

suction takes place when the rocker arms are moved, rubber seals replaceable, TÜV-tested, GS-certified

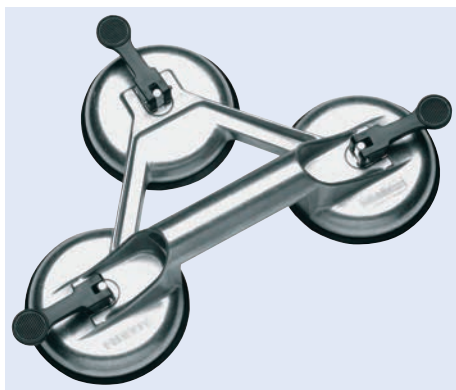
Load capacity 60 kg  
Head Ø 120 mm

**Application range**  
suitable for transporting metal, glass, plastic, coated wooden panels etc.



|              |
|--------------|
| Order no.    |
| 9534 817 235 |

Everything for the bus workshop



## Suction holder

Suction takes place when the rocker arms are moved, especially suitable for large discs, rubber discs replaceable

Load capacity 100 kg  
Head Ø 120 mm

### Application range

for all gasproof surfaces such as glass, sheet metal (except for checker plate), marble, tiles etc.

Order no.

9534 817 237



## Floor stand

Load capacity 225 kg  
Version vertically adjustable 85-100 cm

### Application range

ideal for the storage of glass panels, bodywork parts, etc.

Order no.

9539 990 587



## Sealing compound

### Sika® elastomer 710

suitable for re-sealing rubber-mounted front, rear and side windows, water-resistant and remains permanently plastic

Version permanently plastic butyl sealant

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 300 ml   | Cartridge | 9783 000 224 |



## Joint sealing agent

### Sikaflex-221

Strongly-adhesive, can be painted over, easy to use, the single-component PUR sealant is suitable for permanent and age-resistant sealing, chemically resistant to water, salt water and lime water as well as weak acids and alkalis. Short-term resistance to fuels, mineral oils as well as vegetable and animal fats and oils. Not resistant to organic acids, alcohol, strong mineral acids and alkalis nor paint thinners. Shelf life 12 months (temperature below 25 °C). Once opened, pack must be used within a short time.

Contents 300 ml  
Container Cartridge

| Colour | Order no.    |
|--------|--------------|
| black  | 9783 000 007 |
| white  | 7779 310 440 |
| grey   | 7779 310 442 |
| brown  | 7779 310 439 |



## Window adhesive

### Sikaflex®-265

cold-workable, no heating oven required, high initial strength and non-slip, UV-resistant, suitable for open joints, good stability and short thread tear, relevant pre-treatment products: Sika® Activator, Sika® Primer 206 G+P

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 300 ml   | Cartridge | 2300 016 555 |
| 600 ml   | Bag       | 9783 100 048 |



## Window adhesive

### SikaTack® Drive

can be worked cold, no heating required, genuine primerless system with Sika® activator, prevents contact corrosion, suitable for aluminium, magnesium and hybrid bodies and for integrated antennas, clean break, good stability, applicable pre-treatment products: Sika® Activator, Sika® Primer-206 G+P

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 300 ml   | Cartridge | 9783 000 228 |
| 400 ml   | Bag       | 2300 016 557 |



## Adhesive primer

### Sika® Aktivator

used for cleaning and to improve the adhesion of adhesive on the following surfaces:

- glass-ceramic coated glass
- cut PUR adhesive beading
- PUR pre-coated sheets
- paint (2K)

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 30 ml    | Bottle    | 9783 000 230 |
| 250 ml   | Bottle    | 2300 016 565 |
| 1000 ml  | Bottle    | 9783 000 231 |



## Pre-coat

### Sika® Primer 206 G+P

for small, fresh paint scratches in a flange and imperfections in the edge of the screen printing

**Do not use on the remains of a cut adhesive bead!**

| Contents  | Container | Order no.    |
|-----------|-----------|--------------|
| 30 ml     | Bottle    | 9783 000 233 |
| 250 ml    | Bottle    | 9783 000 308 |
| 16 pieces | Stick     | 9783 000 234 |



## TEROSON

### Window adhesive

#### Terostat 8596, Standard

a moisture-curing, single-component, extremely stable direct glazing adhesive/sealant with polyurethane base, non-stringing

Version 1K PUR

Contents 310 ml

#### Application range

for all vehicles, processing with all professional equipment, best with Pistol PowerLine II or Electroflow

**cold/25 min open, ready to drive: 6 hours with airbag, glazing time: 25 min**

| Description       | Order no.                 |
|-------------------|---------------------------|
| Cartridge         | 9236 000 174              |
| Disc adhesive set | <sup>1</sup> 9236 000 175 |

<sup>1</sup> with primer, wool wiper, application nozzle, cutting wire, cleaner and cleaning fleece





cold/25 min. open, drive-away time: 1 hour with airbag according to FMVSS 212/208

## TEROSON

### Window adhesive

#### Terostat 8597 HMLC, Safety

fast, excellent stability, no stringing, high modulus low conductivity

Version 1K HMLC PUR

Contents 310 ml

#### Application range

for all vehicles, processing with all professional equipment, best with Pistol PowerLine II or Electroflow

| Description       | Order no.                 |
|-------------------|---------------------------|
| Cartridge         | 2300 018 066              |
| Disc adhesive set | <sup>1</sup> 2300 018 078 |

<sup>1</sup> with primer, wool wiper, application nozzle, cutting wire, cleaner and cleaning fleece



warm (after 30 min. pre-warming)/30 min. open, safe drive-away time of only 5 hours

## TEROSON

### Window adhesive

#### Terostat 8630, 2K HMLC, Strength

very good performance, perfect for large windscreens, independent of weather conditions, good stability, non-stringing, OEM specified

Version 2 component adhesive, HMLC PUR

Contents 310 ml

#### Application range

for all vehicles (optimum for buses and trucks), warm application only with PowerLine II gun

| Description       | Order no.                 |
|-------------------|---------------------------|
| Cartridge         | 9236 000 037              |
| Disc adhesive set | <sup>1</sup> 9825 000 038 |

<sup>1</sup> with primer, wool wiper, application nozzle, cutting wire, cleaner and cleaning fleece



## TEROSON

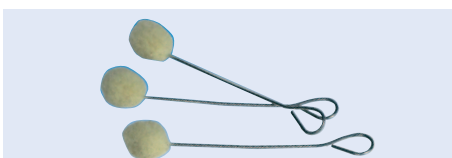
### Primer/activator

very short flash-off time

#### Application range

for all automotive glass, as adhesive primer for direct glazing adhesive/sealant

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 25 ml    | Bottle    | 9236 000 543 |



### Primer applicator

#### Scope of supply

bag of 24

| Order no.    |
|--------------|
| 9783 000 310 |



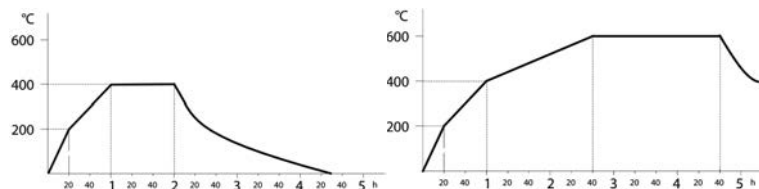
## Regeneration oven for burning out diesel particle filters

for the regeneration of soot particle filter cartridges, supply and exhaust air openings in the base and the cover, perforated stove plate on 3 stack supports for optimal air flow, temperature control by non-wearing thermocouple, TC 88 E control (for 15 program variants, 2 already preinstalled) with plug connection, all-round heating by a heating coil lying protected in grooves, high-quality refractory brick insulation, rear insulation with SUPERWOOL®, stainless steel casing, powder-coated, sturdy underframe, lockable cover latch, safety switch interrupts the power supply when the cover is opened

Operating temperature max. 1260 °C  
Voltage 400 V/3 N

### Scope of supply

Furnace with lifting cover, TC 88 E control with 2 preprogrammed firing curves, perforated stove plate with 3 pipe supports, operating instructions for furnace and control



| Model     | Volume | Power   | Form         | Interior height | Inner Ø    | Order no.                 |
|-----------|--------|---------|--------------|-----------------|------------|---------------------------|
| ST 120    | 122 l  | 7,2 kW  | round        | 570 mm          | 520 mm     | 9510 325 000              |
| ST 188 HS | 188 l  | 11 kW   | oval version | 570 mm          | 750-520 mm | <sup>1</sup> 9510 325 001 |
| ST 250 HD | 253 l  | 13,3 kW | round        | 690 mm          | 680 mm     | 9510 325 004              |

<sup>1</sup> for instance, suitable for MAN Dinex double filter

### Accessories

| Description                                                 | Order no.    |
|-------------------------------------------------------------|--------------|
| Ventilation compressor LK 60, for all ST regeneration ovens | 9510 325 002 |
| Retrofit set for ventilation compressor                     | 9510 325 003 |
| Factory assembly for ventilation compressor LK 60           | 9510 325 006 |
| Roller set for ST 120/ST 250 regeneration oven              | 9510 325 007 |
| Roller set for ST 188 regeneration oven                     | 9510 325 008 |



## Exhaust gas extraction unit mobile

vertically adjustable and with high power

Suction power 1100 m³/h  
Connection 230 V  
Suction height 150-1300 mm  
Hose-Ø 180 mm

12 m flexible exhaust hose diameter 185 mm  
single-phase motor 230 V, 1.1 kW

Order no.  
9682 220 019

Are you planning to install an exhaust gas extraction system? We'd be pleased to advise you!



## Solutions for working safely on buses

Let us advise you!

We would be pleased to visit your premises so that together we can work out the individual variants for your special requirements.

Contact your EUROPART workshop equipment adviser!







### LED lighting unit

twice the brightness compared with 36 W fluorescent tubes, sturdy and impact-proof, waterproof, extruded acrylic profiled tube (PMMA) with built-in prism, LED circuit board and end covers made of black anodised aluminium

Ø 25 mm

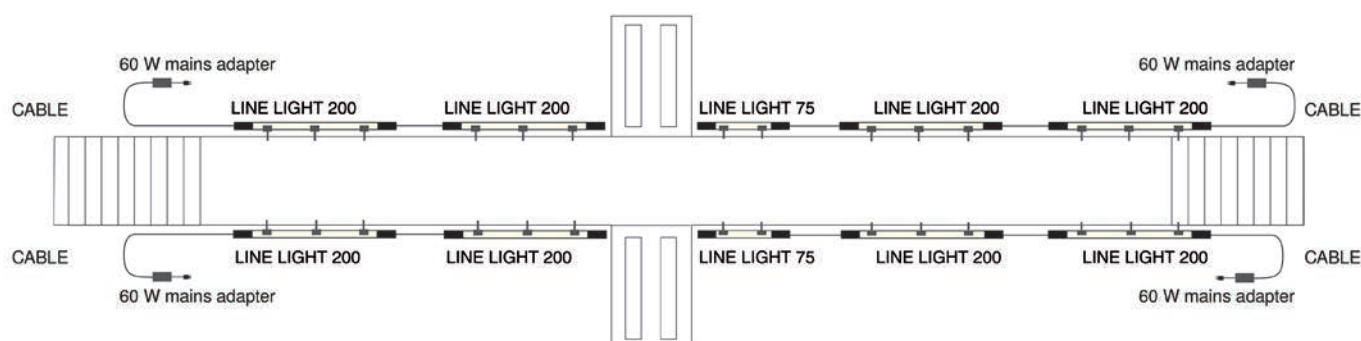
Protection class IP67

| Model          | Note                  | Length  | Power consumption | Order no.    |
|----------------|-----------------------|---------|-------------------|--------------|
| Line Light 75  | 2 supports required ! | 838 mm  | 6 W               | 9539 640 450 |
| Line Light 120 | 2 supports required ! | 1234 mm | 10 W              | 9539 640 451 |
| Line Light 160 | 3 supports required ! | 1630 mm | 14 W              | 9539 640 452 |
| Line Light 200 | 3 supports required ! | 2027 mm | 14 W              | 9539 640 453 |

### Accessories

| Description                                                                                                                          | Order no.    |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Clip supports, with supports for fixed positioning                                                                                   | 9539 640 460 |
| Magnetic holder, strong neodymium magnet with small metal clip support, with rubber protective cover, Ø 31 mm                        | 9539 640 461 |
| Magnetic holder, extremely strong neodymium magnet without supports for use with clip support, with rubber protective cover, Ø 66 mm | 9539 640 462 |
| Mains adapter, for lighting unit(s) with power consumption not above 20 W                                                            | 9539 640 470 |
| Mains adapter, for lighting unit(s) with power consumption not above 60 W                                                            | 9539 640 472 |
| Coupling cable, for connecting 2 or more lighting units, Cable length 8 m                                                            | 9539 640 473 |

Example of a typical pit



Contents for example of a typical pit:  
 8 x LINE LIGHT 200 (9539 640 453)  
 2 x LINE LIGHT 75 (9539 640 450)  
 28 x clip supports (9539 640 460)  
 4 x 60 W mains adapters (9539 640 472)  
 2 x cable rolls 8 meters each (9539 640 473)

**Power saving of up to 59% possible!**

#### LED

x Watt  
 240 working days  
 x 10 hours/1000  
 = Kilowatt hours  
**Example result 446 kWh vs**

#### Neon

+ 26,5 W/h  
 240 working days  
 x 10 hours/1000  
 = Kilowatt hours  
**1080 kWh**



The energy-savings involved give a return on new investment within just 3 years. Look after your energy bill and the environment.



## LED work lamp COB LED

new, innovative, **3300 lumens**, for professional use, extremely sturdy body, shock-tested, with all-round rubber profile providing solid edge protection

|                     |                                |
|---------------------|--------------------------------|
| Voltage             | 230 V AC                       |
| Power               | 30 W                           |
| Cable length        | 5 m                            |
| Cable cross-section | H05RNF 3 x 1,0 mm <sup>2</sup> |
| Protection class    | IP67                           |
| Temperature range   | -10 to +40 °C                  |
| Material            | Special aluminium              |
| Width               | 261 mm                         |
| Height              | 274 mm                         |
| Depth               | 76,5 mm                        |

### Application range

for outdoor and indoor use



Order no.

9539 640 425

### Accessories

#### Description

Tripod, 1,1-2,40 m

Order no.

9539 640 426



## EWOS Technology online

Service data, work units, technical data and manuals

- Have test access cleared for 4 weeks and see for yourself

[www.europart.net](http://www.europart.net)



### Socket wrench set SUPERLOCK

quick release function, reversible

Drive 1/2"  
Form knurled  
Material Vanadium steel  
Surface matt satin chrome-plated

#### Scope of supply

in a sturdy plastic case

#### Version

20-piece

#### Order no.

9509 110 620



### Socket wrench set Drive 1/2" 1/4" -3/8"-1/2

Material Vanadium steel  
Surface matt satin chrome-plated

#### Scope of supply

Drive 1/2" 1/4" -3/8"-1/2  
in a sturdy plastic case

#### Version

179-piece

#### Order no.

9509 170 779



### Ring open-jawed spanner set Classic

FlankTraction profile

Standard DIN 3113 Form A, ISO 3318/7738  
Version 21-piece  
Material Vanadium steel  
Surface matt satin chrome-plated, heads polished

jaw position 15° angled  
ring 15° angled

#### Scope of supply

width across flats 6-32 mm

#### Version

21-piece

#### Order no.

9505 170 043



### Telescopic lever with 3/4" reversible ratchet

Torque, max. 1869 Nm  
Length range 610-915 mm  
Drive 3/4"

#### Order no.

8000 081 805



# EWOS - the optimum ordering and organisation solution.

## Information and ordering around the clock!

**EUROPART offers an integrated solution for the workshop, with benefits for purchasing, stock management, repair and organisation:**

- safe and rapid identification, search and assignment of spare parts and accessories.
- parts for all tractor vehicles, buses, trailers, vans and cars
- immediate online ordering facility for all bus items
- immediate information on prices and availability
- detailed product descriptions
- technical data for installation, repair and maintenance

### Catalogue browser

The online offer is rounded off with a new catalogue browser. This combines the advantages of the conventional catalogue with digital possibilities. Familiar functions appreciated by the customer such as turning page by page have been usefully enhanced in the online catalogue, with fast navigation by mouse click, an intelligent search function and much more.

- direct linking into the EUROPART Workshop Online System (EWOS) for rapid ordering
- innovative and individual presentation of the products





## Torque wrench 1/2"

repeat accuracy and precision for at least 5000 load changes, for controlled right-hand and left-hand tightening, the operating direction is changed by re-plugging the square drive, double scale in Nm and lbf-ft divisions for precise setting, large viewing window with magnifying function optimises readability, torque release by shortcut trigger can be clearly heard and felt, ergonomic and comfortable 2-component grip with soft zone

Standard DIN EN ISO 6789

Drive 1/2"

release accuracy  $\pm 3\%$  tolerance from scale value set

| Working range | Order no.    |
|---------------|--------------|
| 80-420 Nm     | 3002 432 252 |
| 10-100 Nm     | 3002 432 254 |



## Socket wrench set

with Unit-Drive profile, conserves the heads of bolts - edges are not crushed due to force applied to the surface

Drive 1"

Spanner size 36/41/46/50/55/60/65/70/75/80 mm

Material Chrome vanadium steel

Surface chrome-plated

### Scope of supply

- 1 reversible ratchet, return angle 11,25°
- 1 set double-hexagon sockets with Unit-Drive profile
- 1 each of 200/400 mm extensions
- 1 handle with slide
- in sheet steel case

| Version  | Order no.    |
|----------|--------------|
| 15-piece | 9240 071 100 |



## Castle nut wrench

with 32 mm across flats hexagonal drive, for professional removal and installation of rear axle nuts, high accuracy of fit, sturdy design, for high tightening and loosening torques, driving tube  $\varnothing 35$  mm

Drive 3/4"

Inner  $\varnothing$  122 mm

Outer  $\varnothing$  139 mm

Height 310 mm

### Application range

Mercedes-Benz Citaro (O 530)

| Order no.    |
|--------------|
| 9504 500 251 |

Further models available!



low recovery angle 4,7°



### Socket wrench set 8100 SC 7 Zyklop

solid metal ratchet with push-through square drive, secure fixing of socket prevents undesired change of direction, easy changeover

Drive 1/2"

Material Chrome-molybdenum steel

#### Scope of supply

- 8003 C 1/2" push-through ratchet
- 10 sockets 10/11/12/13/14/15/16/17/18/19 mm across flats
- 8794 LC Zyklop extension with 1/2" freewheel sleeve
- 8794 C 1/2" extension
- 8784 C2 Zyklop 1/2" connection piece
- 14 bits: crosshead PH 2/3, TORX® T 20/25/27/30/40/45/50/55, hexagonal socket 5/6/8/10 mm across flats

#### Version

25-piece

#### Order no.

9500 077 001



### Ring open-jawed spanner set Joker

holding function with metal plate in jaw reduces the danger of losing nuts and bolts, interchangeable metal plate in jaw with extra-hard teeth secures bolts and nuts and reduces the danger of slipping off, built-in end stop can prevent the bolt head from slipping off downwards and allows the application of higher torques, the double-hexagon geometry ensures positive connection with the bolt or nut and thus a reduced danger of slipping off, the ratchet mechanism on the ring side with exceptionally fine toothing of 80 teeth allows flexibility in the tightest of spaces, special forged geometry for high torque transfer and high resistance against bending

Return angle 30°

Material Chrome molybdenum steel

Surface Nickel chrome coated

#### Scope of supply

1 each of 10 x 159, 13 x 177, 17 x 224, 19 x 246, in sturdy case

#### Version

4-piece

#### Order no.

9509 020 020



### Ring open-jawed spanner set Joker

#### Scope of supply

1 each of 8/10/11/12/13/14/15/16/17/18/19 mm, in sturdy pouch

#### Version

11-piece

#### Order no.

9500 013 001


**RC RODCRAFT®**

### Ratchet screwdriver

**3700**

DUO-PAWL system, 90 % faster than standard ratchets, with stepless speed control on the hand grip, patented closed head design, durable, robustly forged, flat

|                |                       |
|----------------|-----------------------|
| Drive          | 1/2"                  |
| Torque         | 130 Nm                |
| Torque, max.   | 250 Nm                |
| Speed          | 320 min <sup>-1</sup> |
| Pressure, max. | 6,3 bar               |
| Air connector  | 1/4"                  |
| Noise level    | 90,2 dB(A)            |
| Hose inner-Ø   | 9 mm                  |

air consumption, average 130 l/min

air consumption, continual 830 l/min

vibration 2,5 m/s<sup>2</sup>

#### Application range

for all threaded connections which require high torques without impact: brakes, automatic gearboxes, engines, can also be used where there is little space

---

**Order no.**


---

**9500 003 700**


---



### Needle de-ruster

powerful version for more demanding applications in pistol form, with exhaust to the front

|                    |                        |
|--------------------|------------------------|
| Operating pressure | 6,3 bar                |
| Impact number      | 3000 min <sup>-1</sup> |
| Air consumption    | 120 l/min              |
| Connection         | 1/4"                   |
| Weight             | 2,7 kg                 |

#### Scope of supply

29 needles à 2 mm, 19 needles à 3 mm

---

**Order no.**


---

**9670 562 500**


---



### Sandblasting device

for mobile use, Classification 1 - normal requirements, shot to be used: corundum material, steel balls and glass pearls

|                  |                  |
|------------------|------------------|
| Pressure, max.   | 6,7 bar          |
| Air connector    | 1/4" male thread |
| Container volume | 10 l             |
| Nozzle-Ø         | 5 mm             |
| Hose-Ø           | 8 mm             |

Air consumption average 170 l/min, continual 240 l/min

#### Scope of supply

5 m hose

---

**Order no.**


---

**9670 811 200**


---





**KUNZER**  
Qualität verbindet

## Oil pan

specially shaped for use in the rim well, collects the oil when the hub cover is undone or removed, prevents loss of oil during axle repair or checking, deeper rim prevents overflow spillage, spout opening for easy emptying

suitable for rim size from 35 cm (13-3/4") inner diameter

Capacity 3 l

Material PP (polypropylene)

## Application range

specially for rear axle hubs on trucks

Order no.

9539 641 192



## Workshop set

Complete set for the commercial vehicle workshop, protects customers' vehicles from dirt and saves additional cleaning expense

## Scope of supply

- Disposable seat protector EXTRA XL
- Disposable floor mats made from PAPERPLAST® printed "LKW"
- Elasticated steering wheel protector
- Elasticated gear stick knob protector
- Elasticated handbrake protector
- in bag

Order no.

9539 990 757



**BUSCHING**  
Tankstellen- und Werkstattgeräte

## Windscreen cleaner

Aluminium grip, rubber lip, foam sponge with textile protection, handle can be extended (4 levels), angling of the wiping assembly in various stages

Handle length 760-1300 mm

Order no.

9682 220 540



GS tested

**Rechargeable fire extinguisher****Fire class A, B, C, refillable**

ergonomically shaped, robust carrying handle, valve body made of glass fibre reinforced special plastic, hose line with woven fabric intermediate layer made of synthetic rubber, with pivoting pistol which can be switched off, very service-friendly

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Contents          | 6 kg                                                                    |
| Standard          | DIN EN 3                                                                |
| Version           | semi-automatic, with pivoted extinguisher pistol and internal cartridge |
| Type              | P6STAR                                                                  |
| Temperature range | -30 to +60 °C                                                           |
| power rating      | 34 A, 183 B and C                                                       |

Order no.

9195 491 025

**Continuous pressure fire extinguisher****Fire class A, B, C, refillable**

made of high quality sheet steel, CE compliant

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Contents          | 6 kg                                                       |
| Standard          | DIN EN 3                                                   |
| Type              | PD 6 GA                                                    |
| Temperature range | -30 to +60 °C                                              |
| Scope of supply   | high-quality wall bracket                                  |
| Application range | suitable for liquefied gas stores, garages and hobby rooms |
| Note              | GS tested                                                  |

Power rating 34 A, 183 B and C

**Scope of supply**

high-quality wall bracket

Order no.

9195 491 125

**Accessories**

| Description             | Order no.    |
|-------------------------|--------------|
| Wall bracket            | 9195 491 001 |
| Grille protective cover | 9195 516 000 |
| Protective hood         | 9195 510 000 |




**GLORIA®**
**Protective hood**
**Textile, for fire extinguishers up to 6 kg**

| Colour          | Order no.    |
|-----------------|--------------|
| luminous yellow | 9195 516 002 |
| orange          | 9195 516 003 |


**EURO  
PART**
**Powder fire extinguisher**
**for passenger car, fire class A, B and C, refillable**

|          |        |
|----------|--------|
| Contents | 2 kg   |
| Standard | EN 3   |
| Type     | P 2 GM |

**Scope of supply**

 complete with testing valve, vibration-proof car bracket, tightening strap and **pressure gauge**

| Order no.    |
|--------------|
| 9195 492 002 |


**Emergency sign**
**Fire extinguisher**

|          |                    |
|----------|--------------------|
| Version  | Self-adhesive film |
| Standard | ISO 7010           |
| Width    | 200 mm             |
| Length   | 200 mm             |

| Order no.    |
|--------------|
| 9560 202 505 |


**Emergency sign**
**Fire extinguisher**

|          |                                    |
|----------|------------------------------------|
| Version  | Plastic, luminescent               |
| Standard | ASR A1.3/DIN 4844-2/BGV A8/DIN 675 |
| Width    | 148 mm                             |
| Length   | 148 mm                             |

| Order no.    |
|--------------|
| 3000 277 562 |



## Washing brush

slanted handle holder, oval form, with red/green polyester bristles

Material black, foamed polypropylene

Length 360 mm

Width 100 mm

### Application range

extremely suitable for large surfaces

Order no.

9014 000 015



## Washing brush

slanted red/green polyester bristles ensure effective cleaning at all heights, a rubber edge prevents the vehicle paint being scratched by the body of the brush

Version with rubber edge

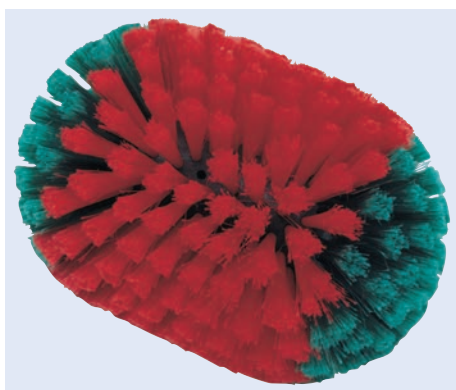
Material black, foamed polypropylene

Length 270 mm

Width 165 mm

Order no.

9014 000 145



## Rim brush

with slanted, soft nylon bristles which reach all the corners and edges, the oval brush is also suitable for cleaning wind deflectors, with red/green nylon bristles

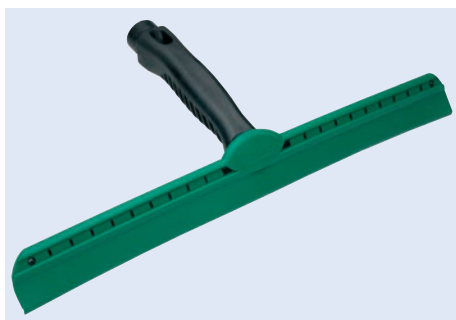
Material black, foamed polypropylene

Length 230 mm

Width 110 mm

Order no.

9014 000 025



## Squeegee

avoids scale marks on windows and paintwork, the alternative to a window leather, fits onto washing brush handles

Version green, soft rubber that goes easy on the paintwork

Width 450 mm

### Application range

for the removal of residual water drops after car-washing

Order no.

9014 000 115

**Washing brush handle**

with insulated, ergonomically shaped handle

Material aluminium

Length 1500-2750 mm

| Version                              | Order no.    |
|--------------------------------------|--------------|
|                                      | 9014 000 090 |
| with water flow, without metal joint | 9014 000 085 |



### Motor oil SAE 15W40

for long oil-change intervals, KAT-tested, maximum wear protection, excellent ageing and viscosity stability, all-year motor oil, high-quality basic oils and a modern additive technology guarantee high power reserves and optimum wear protection characteristics for long oil change intervals, excellently suitable for vehicles with and without exhaust gas turbocharger

Version mineral

Specification API CI-4/SL, ACEA A3-07/B3-04/E3-96/E5-02/E7-08, Jaso DH-1, MAN M 3275-1, MB 228.3, MB 229.1, Renault RLD-2, MTU Type 2, MACK EO-M+, Volvo VDSIII, John Deere JDQ 78 a, Caterpillar ECF-1A/ECF-2, Cummins CES 20076, 20077, 20078, Valtra CR, Komatsu

#### Application range

for universal use for long oil-change intervals with a focus on modern diesel engines, but also suitable for a mixed vehicle fleet

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 5 l      | Canister  | 9773 000 002 |
| 20 l     | Canister  | 9773 000 035 |
| 55 l     | Barrel    | 9773 000 036 |
| 200 l    | Barrel    | 9773 000 037 |
| 1000 l   | Container | 2822 000 038 |



### Motor oil 10W40

super low friction oil, tested with catalytic converter and tried and trusted with turbocharger, very good wearing properties, modern additive technology guarantees this motor oil excellent smooth running and wear protection properties and enables maximum oil change intervals

Version part synthetic

Specification API CI-4/SL, ACEA E3-96/E5-02/E7-08/A3-07/B4-04, MB 228.3/229.1, MAN 3275, Volvo VDS III, Global DHD-1, Renault RLD/RLD-2, Caterpillar ECF-2/ECF-1a, Deutz DQC III-05, Cummins CES 20076, 20077, 20078, ZF TE-ML 07C, MACK EO-M+, MTU 2

#### Application range

for diesel engines with and without exhaust gas turbocharging as well as with and without charge air cooling, is also suitable as a universal engine oil for the mixed vehicle fleet, specially suitable for long oil change intervals and high engine demands

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Canister  | 9909 100 012 |
| 5 l      | Canister  | 9909 100 013 |
| 20 l     | Canister  | 9773 000 003 |
| 55 l     | Barrel    | 9773 000 004 |
| 200 l    | Barrel    | 9773 000 005 |
| 1000 l   | Container | 2822 000 006 |



### Motor oil SAE 10W40

universal smooth running oil for maximum oil change intervals, very good cold start properties, smooth engine running, very good shearing and ageing properties, modern additive technology and selected basic oils ensure optimum engine cleanness, excellent light running and wear protection features

Version synthetic

Specification API CI-4, ACEA E6-10/E7-10, MAN 3277, MB 228.5, Volvo VDS III, Renault Truck RLD-2, MTU Typ 3, Deutz DQC III-05/IV-05, Scania LDF-2/LDF-3, Caterpillar ECF-1A/ECF 2

#### Application range

for heavy-load, exhaust-optimised diesel engines for commercial vehicles, can also be used in conventional naturally aspirated diesel and turbo diesel engines

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 20 l     | Canister  | 9773 000 031 |
| 55 l     | Barrel    | 9773 000 032 |
| 200 l    | Barrel    | 9773 000 033 |
| 1000 l   | Container | 2822 000 034 |



### Motor oil commercial vehicle premium

modern high-performance diesel engine oil with synthesis technology, which was designed for maximum oil change interval (up to 120,000 km depending on type and usage conditions)

Version synthetic

Viscosity 10W40

Specification API CI-4, ACEA E6-10/E7-10, MB-Approval 228.51, MB-Approval 235.27/228.3, Renault Truck RXD, RLD-2, MTU 3.1, Deutz DQC III-10-LA/IV-10 LA, Volvo VDS III, Caterpillar ECF-1 A / ECF 2, MAN 3477, MAN 3271-1, Scania LDF-2, Mack EO-N, DAF

#### Application range

specially developed for maximum load, exhaust gas-optimised commercial vehicle diesel engines with state of the art technology, and optimised for the toughest of stresses in the light commercial vehicle area, for shipping agents and communal fleets

| Contents   | Container       | Order no.    |
|------------|-----------------|--------------|
| 5 l        | Refill canister | 2822 497 505 |
| 20 litres  | Canister        | 9909 100 000 |
| 55 litres  | Barrel          | 9909 100 001 |
| 200 litres | Barrel          | 9909 100 002 |
| 1000 l     | Container       | 2822 100 003 |





### Motor oil NFZ-Premium MAXX

Engine oil developed with the highest quality protective properties for the new low-emission Euro V and Euro VI engines, can also be used without any problem in older commercial vehicles and thus offers the possibility of reducing the variety of products, for maximum oil change intervals. EURO PART NFZ Premium MAXX SAE 5W30 also provides the solution for SCANIA LDF-3 to optimize engine oil specification range.

Viscosity SAE 5W-30  
Specification ACEA E6/E7/E9-08, API CJ-4/SN, JASO DH-2, MB 228.51/31, MAN 3477, MAN 3271-1, MAN 3677, Volvo VDS 4/CNG, Renault RLD 3, Mack EO-O PP/-N PP/EO-M Plus, Caterpillar ECF-3, Deutz DQC IV-10 LA

#### Application range

advanced truck and bus engines, can also be used in older commercial vehicles

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 20 l     | Canister  | 2822 492 603 |
| 55 l     | Barrel    | 2822 492 604 |
| 200 l    | Barrel    | 2822 492 605 |
| 1000 l   | Container | 9909 493 602 |



### Motor oil SAE 5W30

all-year motor oil, excellent cold start properties, keeps the charge air cooler extremely clean, has very long oil changing intervals up to 120,000 km, excellent smooth running properties, significantly reduced fuel consumption

Version synthetic  
Specification API CI-4, ACEA E6-10/E7-10, MB 228.51, MAN M 3477, Volvo VDS III, Volvo CNG, MAN 3271-1, Renault RGD/RLD-RLD-2, MTU Type 3.1, Deutz DQC IV-05 / IV-10 LA, Mack EO-M Plus, Caterpillar ECF-2, DAF

#### Application range

specially developed for reduced-emission LOW SAPS EURO 4, EURO 5 and EURO 6 engines

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 20 l     | Canister  | 9773 000 007 |
| 55 l     | Barrel    | 9773 000 008 |
| 200 l    | Barrel    | 9773 000 009 |
| 1000 l   | Container | 2822 000 010 |



### Gear oil

#### for automatic gearbox, ATF Dexron IID/IIIG

liquid gear oil, excellent corrosion protection with very high ageing stability, guarantees perfect functioning of liquid gears even under the most difficult of operating conditions and large temperature fluctuations

Version mineral

Specification GM Dexron III G, GM Dexron II D, GM Dexron TASA, Ford Mercon 2004, Voith H55.6335.3x, Allison C-4, Caterpillar TO-2, MAN 339 V1/Z1, MB-Approval 236.6, Renk, Sperry Vickers, Sundstrand, Volvo 97340, Volvo 97341\*, ZF TE-ML 02F, 03D, 04D, 05L, 09, 11B, 14A

#### Application range

for use in mechanical manual gearboxes, automatic transmissions, in torque converters as well as in power steering where a lubricant of this specification is prescribed

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Bottle    | 9773 000 018 |
| 20 l     | Canister  | 9773 000 019 |
| 55 l     | Barrel    | 9773 000 020 |
| 200 l    | Barrel    | 9773 000 021 |
| 1000 l   | Container | 2822 000 022 |



### Gear oil

#### Synthogear Int.

High-performance high-pressure gear oil for transmissions under high loads with and without retarder or intarder or sub-transmissions, based on the synthesis technology oil change intervals up to every 400,000 km (depending on manufacturer's instructions) can be attained even at high temperatures

Viscosity SAE 75W-80

Specification API GL 4, ZF TE-ML 01L/02L/08/16K, MAN 341 E3/Z4, 235.11 MB, Volvo 97305, Eaton Europe (300,000 km or 3 years), Iveco, DAF, Renault, (B0032 / 3 Annex 3)

#### Application range

transmissions under high loads with and without retarder, with intarder or sub-transmissions for trucks and buses, for the solution to problems with gear changing (eg sluggishness)

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 20 l     | Canister  | 2822 520 302 |
| 55 l     | Barrel    | 2822 520 303 |
| 200 l    | Barrel    | 2822 520 304 |
| 1000 l   | Container | 9909 052 020 |

**Gear oil****Synthogear SL**

high-performance gear oil for axle drives and manual gearboxes, quality oil developed for the highest demands with change intervals of up to 500,000 km (depending on manufacturer's instructions), maximum wear protection

|               |                                                                                                                                                                                                                                                                                                                                          |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version       | fully synthetic                                                                                                                                                                                                                                                                                                                          |
| Viscosity     | 75W-90                                                                                                                                                                                                                                                                                                                                   |
| Specification | API GL 4/GL 5, MT-1, MIL-PRF-2105E, SAE J2360, Arvin Meritor 0-76-N, DAF (GL5), Iveco (MIL-PRF-2105E), MAN 341 Z2, MAN 341 E 3, MAN 342 S1 (change interval 200,000 km), Mack GO-J, MB-Approval 235.8, Renault Axle (B0032/2 Annex 3), Scania STO 1:0, Volvo 97312 (if API GL-5 is allowed), ZF TE-ML 02B/05B/07A/08/12B/16F/17B/19C/21B |

**Application range**

drive axles for trucks and buses

| Contents | Container | Order no.           |
|----------|-----------|---------------------|
| 20 l     | Canister  | <b>2822 520 701</b> |
| 55 l     | Barrel    | <b>2822 520 702</b> |
| 200 l    | Barrel    | <b>2822 520 703</b> |
| 1000 l   | Container | <b>9909 520 701</b> |

**Gear oil****Hypoid SAE 85W-90**

maximum pressure absorbing properties, reduces wear and running noise, compatible with all sealing materials, high-performance high-pressure gear oil, made of carefully selected basic oils and multi-functional extreme-pressure additives

|               |                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Version       | mineral                                                                                                                                            |
| Specification | API GL-5, MIL-L-2105 D, Renault GL-5 Axle, Volvo 97310+97316, DAF, ZF TE-ML 05A/07A/16B/16C/16D/17B/19B/21A, Voith 3.325-339, MAN 342 M1, MB 235.0 |

**Application range**

for maximum-load vehicle gears, particularly axle gears with hypoid

| Contents | Container | Order no.           |
|----------|-----------|---------------------|
| 1 l      | Bottle    | <b>9773 000 000</b> |
| 200 l    | Barrel    | <b>9773 000 017</b> |
| 20 l     | Canister  | <b>9773 000 015</b> |
| 55 l     | Barrel    | <b>9773 000 016</b> |
| 1000 l   | Container | <b>2822 000 018</b> |



### Hydraulic oil HLP 46

with anti-wear and anti-corrosion additives, based on high-quality mineral oils, meets the requirements for hydraulic oils according to DIN 51 524 part 2, HLP

#### Application range

for all hydraulic systems where HLP oils are recommended, for hydraulic controllers and torque converters, for precision hydraulics and lifting equipment, for hydraulic systems where high thermal loads can occur

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Bottle    | 9773 000 022 |
| 5 l      | Canister  | 9773 000 023 |
| 20 l     | Canister  | 2822 488 701 |
| 55 l     | Barrel    | 9773 000 024 |
| 200 l    | Barrel    | 9773 000 025 |
| 1000 l   | Container | 2822 000 026 |



### Hydraulic oil HLP ISO 32

High-pressure hydraulic oil, based on mineral oil, with oxidation and corrosion inhibitors, with friction and wear reducing additives

#### Application range

suitable for all hydraulic units in which the use of HLP-blended oils is prescribed

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 5 l      | Canister  | 2822 488 611 |
| 20 l     | Canister  | 2822 488 613 |
| 55 l     | Barrel    | 2822 488 612 |
| 208 l    | Barrel    | 2822 488 614 |
| 1000 l   | Container | 9909 048 861 |



### Measuring beaker

#### made of plastic (polyethylene), transparent

resistant to oil, acid and fuels, funnel-shaped outlet, German, British and American scale division, extremely sturdy and breakproof

Temperature range -10 to max. +110 °C

| Capacity | Order no.    |
|----------|--------------|
| 1 l      | 9810 736 200 |
| 2 l      | 9810 736 300 |
| 5 l      | 9810 100 108 |

**Oil supply cans****made of tinplate, DIN 6425**

with hinged lid and captive pipe cap, carrying handle, double-beaded base and welded seam

**Application range**

for use in industry and the workshop

| Capacity | Order no.    |
|----------|--------------|
| 3 l      | 9810 100 113 |
| 5 l      | 9534 874 530 |
| 10 l     | 9534 874 532 |

**Pump greaser****Bottle made of plastic (polyethylene)**

impactproof and sturdy, ergonomic shape, transparent, strong brass pump

Length of spray tube 165 mm

| Capacity | Order no.    |
|----------|--------------|
| 300 ml   | 9534 874 417 |
| 500 ml   | 9810 043 111 |

**Funnel**

resistant to oil, petrol and acids, exchangeable fine-mesh brass sieve, high overflow edge provides splash protection, ergonomic and safe handle

**Application range**

for special use in industry and the workshop

| Capacity | Ø      | Order no.    |
|----------|--------|--------------|
| 1,2 l    | 160 mm | 9534 874 540 |
| 2,9 l    | 200 mm | 9810 100 029 |
| 3,2 l    | 250 mm | 9810 100 031 |





### Lever cylinder pump with ZBH

for oils up to SAE 50, self-lubricating non-aggressive media, undiluted frost-protection, heating oil, diesel, petrol, two-part intake manifold, can be shortened

|                        |                                |
|------------------------|--------------------------------|
| Housing                | impact resistant die-cast zinc |
| Rate of delivery       | 0.12 (approx. 12 l/min) l/lift |
| Length of suction pipe | 1200 mm                        |
| Drum thread            | M64 x 4a / G 2"                |

#### Application range

for 60, 200 or 220 litre containers

#### Scope of supply

PVC output hose, 1000 mm, with plastic outlet

Order no.

9534 874 580



### Lever cylinder pump with ZBH

for oils up to SAE 50, self-lubricating non-aggressive media, undiluted frost-protection, heating oil, diesel, petrol, with anti-kink spring and two hose clamps

|                        |                                     |
|------------------------|-------------------------------------|
| Version                | Telescopic tube                     |
| Rate of delivery       | 0.36 (approx. 35 l/min) l/lift      |
| Length of suction pipe | 480-930 mm                          |
| Drum thread            | M64 x 4a / G 2"                     |
| Housing                | impact resistant die-cast aluminium |

#### Application range

for 60, 200 or 220 litre containers

#### Scope of supply

Perbunan output hose, 1000 mm, with steel outlet

Order no.

9811 304 100



### Crank-operated pump

for oils up to SAE 90, self-lubricating, not aggressive media, heating oil, diesel and petrol, smooth-running crank handle drive with high ratio for easy use, with steel suction tube and steel discharge pipe, height adjustable via barrel screw connection

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| Version                | pump housing made of cast steel, painted in pantone 294c, blue silk finish |
| Rate of delivery       | 30 l/min                                                                   |
| Immersion depth        | 980 mm                                                                     |
| Length of suction pipe | 980 mm                                                                     |
| Drum thread            | G 2"                                                                       |

#### Application range

for 60, 200 or 220 litre containers

Order no.

9810 100 307



### Fuel additive

#### Diesel Flow Fit K

increases the flow properties and filter mobility of diesel fuel, ensures the reliability of all diesel engines at low temperatures

Dosage 1:1000

#### Application range

for all diesel engines with and without a diesel particulate filter, compatible with all conventional diesel and biodiesel fuels

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Can       | 9898 705 138 |
| 5 l      | Canister  | 9898 700 193 |
| 20 l     | Canister  | 3565 903 562 |



### Anti-bacterial diesel additive

biocide with a broad range spectrum against bacteria, yeasts and mould, does not form any combustible products, for preventative use in long-term stored diesel vehicles such as construction site machines, commercial vehicles, mobile homes, passenger cars, storage tanks etc., also suitable for the disinfection of already affected tank systems, direct addition to the fuel tank possible

#### Application range

diesel engines with/without diesel particulate filter, all conventional diesel and biodiesel fuels

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 litre  | Can       | 9898 700 063 |



### Diesel particle filter protection

highly effective additive which reduces the formation of soot and thus prolongs the service life of diesel particulate filters, short journey and city vehicles are especially affected by the problem of blocked diesel particulate filters, through regular use the diesel particulate filter is kept clean and expensive repair and down times are prevented, ensures optimum combustion of the fuel and prevents the formation of soot, this contributes to a reduction in emissions

#### Application range

commercial vehicles, buses as well as diesel vehicles with diesel particulate filters

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Can       | 9898 705 123 |

# EUROPART engine, hydraulic and gearbox oils

Whether it's fully synthetic, part synthetic or universal multigrade gearbox oils for manual gearboxes, hypoid axles or automatic gearboxes: From us you can obtain high-quality engine, hydraulic and gearbox oils with all the necessary approvals at competitive prices.

We would be happy to help you!



More information from:

[www.europart.net](http://www.europart.net)





### Additive mix Pro-Line Stop Oil Loss

regenerates rubber and synthetic seals in the engine and reduces oil consumption across piston rings and valve guides, acts against reductions in the viscosity of engine oils, compatible with all commercially available engine oils, prevents blue exhaust smoke, protects against losses caused by leaks at elastomer seals, reduces engine noise, prevents environmental contamination by engines which drip oil

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Can       | 3565 903 323 |

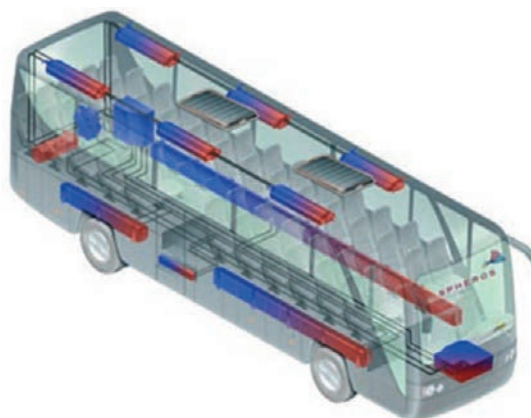


Illustration shows an example of a calcified pipe



### Radiator cleaner Liqui Moly Pro Line

The quality of radiator frost protection drops continually especially for the care and protection additives used, and problems increasingly occur, in the worst case even unexpected failures and subsequent high costs.

From about 60 °C, the lime in the water can "fall out" in both the heating and the cooling circuits, this can then lodge on the thermostat valves, lines and pipes and thus seriously affect the function of the whole cooling and heating circuit. This can even lead to complete replacement of the "scaled" components and increase the risk of your vehicles failing.

Buses especially often have problems here, with their large heating circuits for the passenger compartment and the driver's position – reduced heating power and valves which are difficult to move are often the first indication which should be taken seriously to avoid subsequent high costs.

#### Application range

Chemically dissolves existing deposits of lime scale in the complete heating and cooling circuit without leaving any residue. Eliminates for example scale and other deposits, does not contain any aggressive acids or alkalis, also therefore does not attack rubber or plastics.

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Can       | 9773 005 189 |





## AdBlue®, for reduction of the NOx emission

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 10 l     | Canister  | 9066 170 007 |
| 210 l    | Barrel    | 9066 170 200 |
| 1000 l   | Container | on request   |

| Description | Version                  | Fig. | Order no.    |
|-------------|--------------------------|------|--------------|
| Tank pump   | Basic pump without meter | 1    | 9066 170 014 |
| Tank pump   |                          | 2    | 9066 170 010 |



low risk of contamination with AdBlue®, **suitable for IBC and barrels**, cannot run dry, optimum emptying of containers because of the impeller at the end of the immersed pipe, switch-off after 5 minutes, 4 m PVC hose DN 19 and pump nozzle

**Application range**  
ideal for filling SCR systems in cars, vans, buses and trucks

|              |
|--------------|
| Order no.    |
| 9539 488 600 |

| <b>Description</b>                                   | <b>Order no.</b>    |
|------------------------------------------------------|---------------------|
| Flow counter                                         | <b>9539 488 601</b> |
| Pump nozzle, Type 0204-450                           | <b>9539 488 602</b> |
| Adapter, Type BCS 56 x 4                             | <b>9539 488 610</b> |
| Adapter, Type G 2"                                   | <b>9539 488 611</b> |
| Adapter, Type BCS 70-6                               | <b>9539 488 612</b> |
| Test strips for detecting diesel and oils in AdBlue® | <b>9682 202 412</b> |





## Permanent grease

### universal

shear-stable lithium-complex based grease, water resistant, corrosion and oxidation resistant, offers very good protection against wear, with high pressure-absorption capacity

### Application range

for the lubrication of rolling contact bearings and plain bearings, on generators, electric motors, fans etc., also used in wheel hubs and clutch release bearings

**designation according to DIN 51 825: KP 2 N-30**

**designation according to ISO/DIS 6743-9: ISO-L-XCDHB 2**

| Contents | Container | Order no.    | Contents | Container | Order no.    |
|----------|-----------|--------------|----------|-----------|--------------|
| 400 g    | Cartridge | 9909 217 112 | 25 kg    | Bucket    | 9909 217 115 |
| 5 kg     | Bucket    | 9909 217 113 | 50 kg    | Hobbock   | 9909 217 116 |
| 15 kg    | Hobbock   | 9909 217 114 | 180 kg   | Barrel    | 9909 217 117 |



## Hand lever grease gun

|                   |                                              |
|-------------------|----------------------------------------------|
| Version           | for 400g cartridges DIN 1284 or loose grease |
| Bursting pressure | 850 bar                                      |
| Connection        | M10 x 1                                      |
| Ø                 | 8 mm                                         |

### Scope of supply

with accessories set

**Order no.**

**9810 100 227**



## Brake fluid

### DOT 4

high-grade synthetic brake fluid which has been especially developed for use in brake systems with drum and/or disc brakes, suitable for all hydraulic car brake and coupling systems, except for systems using mineral oil, can be mixed with all brake fluids that meet the same requirements

Specification complies with: FMVSS 116 DOT 4 (Federal Motor Vehicle Safety Standard), SAE J 1703, ISO 4925

Wet boiling point 170 °C

Dry boiling point 260 °C

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 250 ml   | Bottle    | 9785 000 014 |
| 1 l      | Bottle    | 9785 000 015 |
| 5 l      | Canister  | 9785 000 016 |
| 20 l     | Canister  | 9785 000 017 |
| 60 l     | Barrel    | 9785 000 018 |

Also suitable for vehicles with ABS.





### Radiator cleaner

cleans soiled and corroded cooling systems thoroughly and reliably, prevents overheating and extends the service life of the radiator, ensures optimum conductivity and does not corrode rubber, metals, seals etc., one can is sufficient for 12 litres

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 200 ml   | Bottle    | 3630 000 004 |



### Radiator sealing agent

for the sealing of fine hairline cracks and minor leaks in the radiator system, can remain in the coolant, very economical, acts immediately and also provides long-term protection, resistant to antifreeze, does not influence water temperature, or corrode rubber or metals

for 15 l

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 250 ml   | Bottle    | 3630 000 003 |

## EUROPART® – a powerful brand

Alongside well-known manufacturer's brands, EUROPART also offers a strong assortment of its own-brand products with 6000 items from the various EUROPART ranges.

### Your advantages:

- Highest quality standards
- Maximum availability at 200 locations in 27 countries
- Increasing your competitiveness
- Consistent service package

Top quality at a fair price.





### Coolant additive

#### EP 12

Additive for the radiator, contains no nitrites, amines or phosphates and is **silicate-free**, protects the radiator from frost and corrosion, raises the boiling point of water, can only be mixed with other G11 and G12 radiator antifreeze agents of the same quality, can be used in MB 325.3, MAN 324 SNF, DAF 74002, VW TL 774 F, MTU MTL 5048, Porsche manufactured from 1996 to 2010, suitable for aluminium engines, based on 1,2-ethanediol (monoethylene glycol)

| Contents | Container | Version                   | Order no.           |
|----------|-----------|---------------------------|---------------------|
| 1.5 l    | Bottle    |                           | <b>9198 544 166</b> |
| 5 l      | Canister  |                           | <b>9198 544 168</b> |
| 20 l     | Canister  |                           | <b>9230 003 102</b> |
| 60 l     | Barrel    | incl. drain tap           | <b>9230 001 101</b> |
| 200 l    | Barrel    | 2" barrel pump connection | <b>9230 002 102</b> |



### Radiator protection

#### Universal

nitrate, amine, and phosphate free additive for the radiator, protects radiator from frost, corrosion and increases the boiling point of water, DEKRA approved: highly recommended, suitable for cast iron- and aluminium engines, specification BS 6580: 1992, ASTM D 3306

| Contents | Container | Version                   | Order no.           |
|----------|-----------|---------------------------|---------------------|
| 1.5 l    | Bottle    |                           | <b>9230 002 010</b> |
| 5 l      | Canister  |                           | <b>9230 004 001</b> |
| 20 l     | Canister  |                           | <b>9230 003 002</b> |
| 60 l     | Barrel    | incl. drain tap           | <b>9230 001 001</b> |
| 200 l    | Barrel    | 2" barrel pump connection | <b>9230 002 002</b> |



### Antifreeze for pneumatic brakes

#### Wabcothyl

to prevent functional problems in all pneumatic brake systems, protects against damage caused by ice formation and does not corrode rubber nor metal parts

| Contents | Container        | Order no.           |
|----------|------------------|---------------------|
| 1 l      | Bottle           | <b>0697 020 874</b> |
| 10 l     | Plastic canister | <b>0697 020 884</b> |
| 30 l     | Plastic canister | <b>0697 020 894</b> |



### Underbody protection

effective protection against corrosion and stone chips, for use during repairs, remodelling or reworking the underbody with bitumen, drip-free application, very good anti-droning effect

#### Application range

motor vehicles, caravans and trailers

| Contents | Container        | Order no.    |
|----------|------------------|--------------|
| 500 ml   | Spray can        | 5330 000 016 |
| 1 l      | Spray pistol can | 5330 000 017 |



### Underbody and gravel throw protection

for protection against gravel throw and salt corrosion, for sills, spoilers and wheel arches as well as for repairs, remodelling or reworking the underbody area, can be painted over, very good anti-drone effect

Colour black

Version on rubber basis

#### Application range

motor vehicles, caravans and trailers

| Contents | Container        | Order no.    |
|----------|------------------|--------------|
| 500 ml   | Spray can        | 5330 000 018 |
| 1 l      | Spray pistol can | 5330 000 019 |



### Screw locking device

#### EP-222

removable normally

Temperature resistance -55 to +150 °C

Container Bottle

#### Application range

for securing and sealing

| Version         | Contents | Colour    | Order no.    |
|-----------------|----------|-----------|--------------|
| low-strength    | 50 g     | purple    | 9230 000 450 |
| medium-strength | 10 g     | dark blue | 9230 000 460 |
| medium-strength | 250 g    | dark blue | 9230 000 470 |
| high-strength   | 10 g     | green     | 9230 000 475 |



### Screw locking device

#### EP 24.00

1-component adhesive, easily, securely and permanently bonds, seals and secures threaded connections, parts to be joined, bearings and pipe connections, replaces traditional securing methods such as split pins, spring washers and washers, no special labelling required

|                        |                 |
|------------------------|-----------------|
| Version                | medium-strength |
| Colour                 | blue            |
| Gap dimension, max.    | 0.25 mm         |
| Temperature resistance | -55 to 150 °C   |

M36, hand-tight after about 30-50 minutes

Hardening: under air exclusion and metal contact

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 50 g     | Bottle    | 9230 002 400 |



### Screw locking device

#### EP 27.00

1-component adhesive, easily, securely and permanently bonds, seals and secures threaded connections, parts to be joined, bearings and pipe connections, replaces traditional securing methods such as split pins, spring washers and washers, no special labelling required

|                        |               |
|------------------------|---------------|
| Version                | high-strength |
| Colour                 | green         |
| Gap dimension, max.    | 0.15 mm       |
| Temperature resistance | -55 to 150 °C |

M36, hand-tight after about 30-50 minutes

Hardening: under air exclusion and metal contact

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 50 g     | Bottle    | 9230 002 700 |



### Plastic adhesive

#### K2K

for gluing and repairing cracks and breaks, as well as for coarse adhesion, extremely quick-drying 2-component high-strength adhesive for heavy loads and vibration, fixing time 3-5 minutes, sanding, drilling and thread cutting possible after approx. 20-30 minutes, can be painted over after approx. 60 minutes, resistant to water, oil, fuel, solvents, acids and alkalis

Mixing ratio 1:1

#### Application range

plastic wheel cavities, spoilers, wheel arches, bumper brackets, decorative strips, dashboards, handles etc.

| Contents | Container   | Order no.    |
|----------|-------------|--------------|
| 50 ml    | Double shot | 3630 000 005 |





### Screen wash

#### Guaranteed freezing protection to -60 °C

DEKRA tested, suitable for fan nozzles, suitable for polycarbonate, biodegradable, methanol-free, not subject to VBF,

Mixing ratio (parts antifreeze : water):

2:1 to -30 °C, 1:1 to -20 °C, 1:2 to -10 °C, 1:3 to -5 °C, undiluted to -60 °C

| Contents    | Container | Order no.    |
|-------------|-----------|--------------|
| 1 l         | Bottle    | 9230 000 100 |
| 5 l         | Canister  | 9230 000 200 |
| 20 l        | Canister  | 9230 000 403 |
| 200 l       | Barrel    | 9230 000 603 |
| 1000 litres | Container | 9230 000 608 |



### All-year screen wash

guarantees reliable anti-freeze protection (tested to ASTM), creating clear view and safety in summer and winter, biologically degradable, with citrus power

Mixing ratio anti-freeze/water

1:1 up to -15 °C

1:2 up to -8 °C

undiluted up to -30 °C

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 1 l      | Bottle    | 9792 000 003 |
| 5 l      | Canister  | 9792 000 004 |
| 10 l     | Canister  | 9792 000 005 |







### Rim cleaner

gently removes dirt such as brake pad dust, grey film, tar, oil and road dirt, suitable for alloy wheel rims, protects plastics, seals and rubber, scented, biodegradable

Colour green

pH in concentrate / DIN 51 369: 1.5 +/- 0.2

#### Application range

for cleaning stubborn soiling off all painted and non-painted alloy rims as well as steel rims

| Contents | Container    | Order no.    |
|----------|--------------|--------------|
| 500 ml   | Spray bottle | 9909 894 501 |
| 5 l      | Canister     | 9909 894 502 |
| 25 l     | Canister     | 9909 894 503 |
| 60 l     | Barrel       | 9909 894 504 |

**Warning:** It may cause permanent stains on unpainted plastic parts. Rinse immediately with water if the wheel rim cleaner comes into contact with these areas.



### Brake cleaner

cleaning agent for universal use, thanks to special solvent it degreases, removes stubborn soiling thoroughly and gently, dries off quickly

#### Application range

cleaning of drum and disc brakes, brake pads, springs, shoes, clutches, linings, pressure plates and clutch parts in general, gears, carburetors, petrol pumps, engine parts etc.

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 5 l      | Canister  | 9785 000 025 |
| 10 l     | Canister  | 9785 000 026 |
| 20 l     | Canister  | 9785 000 027 |
| 60 l     | Barrel    | 9785 000 028 |



### Graffiti and paint remover

#### Loctite 7862

light thixotropic product especially for the removal of graffiti and lettering on smooth and non-absorbent surfaces, very good results for nearly all types of graffiti, particularly active against bitumen based and synthetic resin based spray paints, also suitable for vertical surfaces, no labelling obligation

Processing temperature 10-40 °C

Version ready to use

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 5 l      | Canister  | 9236 000 559 |
| 20 l     | Canister  | 9236 000 560 |



### Multi-function cleaner

Highly concentrated workshop cleaner of the highest quality, for cleaning extremely adhesive residues of oil, fuel, grease and insects, also suitable for cleaning workshop floors and tiling, use as a tarpauling and truck cleaner to quickly and thoroughly remove contamination such as grease, soot, dust etc, mixing ratio up to 1:5

Colour light yellow, fluorescent

#### Application range

for cleaning trucks, buses, tarpaulins, chassis, vehicle components and trailers, as well as workshop and hall floors

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 5 l      | Canister  | 9909 959 201 |
| 25 l     | Canister  | 9909 959 202 |
| 60 l     | Barrel    | 9909 959 203 |
| 200 l    | Barrel    | 9909 959 204 |



### Fast-action cleaner concentrate

#### X-Press-Clean

cleans facades, floors, plastics, metals, canvas covers, chassis

#### Application range

suitable for trucks, buses, passenger cars, offices and much more

| Contents  | Container    | Order no.    |
|-----------|--------------|--------------|
| 1 litre   | Spray bottle | 9238 100 121 |
| 5 l       | Canister     | 9238 100 122 |
| 10 litres | Canister     | 9238 100 125 |



### Compact foam cleaner

for quick and gentle cleaning

#### Application range

plastics, glass, metals, dashboards, varnishes, carpets, upholstery, car interiors, computer housings etc.

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 500 ml   | Spray can | 6304 000 004 |



### Active interior cleaner

#### Application range

for caring for the insides of vehicle, cleaning plastics and painted surfaces, even stubborn dirt such as nicotine can be removed easily

| Contents | Container    | Order no.    |
|----------|--------------|--------------|
| 500 ml   | Spray bottle | 3490 000 000 |



### Cockpit spray

#### anti-static effect

#### Application range

cares for dashboards, plastic roof liners and plastic trims in the vehicle

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 300 ml   | Spray can | 9785 000 003 |



### Upholstery foam cleaner

360° valve, to be used without water

#### Application range

ideal for car and household, for the gentle and pore-deep cleaning of seat upholstery, carpets, velours, seat covers, roof linings, trims, textiles etc.

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 400 ml   | Spray can | 9799 000 032 |



### Delicate care spray Multi-7, with 7-fold effect

infiltrates and dispels humidity, prevents voltage loss and creepage currents, penetrates gaps and capillary cavities, cleans stubborn dirt and loosens rust, protects metallic surfaces from wear and corrosion, offers an excellent gliding effect, eliminates squeaking and creaking

Temperature resistance -30 to +60 °C

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 400 ml   | Spray can | 9230 000 110 |



### Silicone Spray

lubricates, cares and protects, preserves and impregnates, prevents the build-up of static charge

Temperature resistance -50 to +200 °C

Colour transparent

#### Application range

plastic, rubber and metal parts on vehicle interiors and exteriors, bumpers, radiator grills, spoilers, protective strips, cockpits etc. are given a shiny finish and do not become brittle, rubber parts such as door and bonnet rubbers, rubber bumps, protective strips, radiator hoses, car tyres etc. are cared for, do not become porous or stick, lubricates sunroof and seat rails, rollers on safety belts etc., impregnates folding roofs and covers, protects electrical contacts

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 400 ml   | Spray can | 9230 000 190 |



### Start-aid spray

for quick starting of internal combustion engines of all kinds with starting problems caused by low temperatures as well as after long periods standing idle, can be sprayed from any position, 360° valve, spares the battery and starter motor

#### Application range

Diesel vehicles, construction and agricultural machinery, two-stroke vehicles, chain saws, pumps, fork lift trucks, buses

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 400 ml   | Spray can | 6304 000 003 |



### Creeping oil spray

the oil has great penetration properties, high lubricating ability and payload, for loosening rust, lubricating inner bearings on chains, excellent lubricating properties for direct metal-to-metal contact, low running noise, low wear, lubricates inner bearings, prevents corrosion, gentle care for all moving parts

Temperature resistance up to +150 °C

Version colourless, tasteless, odourless, does not contain acids and is free of petroleum

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 400 ml   | Spray can | 9230 000 115 |



### Rust Remover

loosens rusty screws, nuts and machine parts, prevents new rust forming and protects parts from wear, on MoS<sub>2</sub> basis

Temperature resistance -30 to +50 °C

#### Application range

high flow properties, best rust loosening capacity, e.g. for screws, bolts, chain links, joints, levers, springs, hinges or locks, also suitable for cylinder locks

| Contents | Container | Order no.    |
|----------|-----------|--------------|
| 400 ml   | Spray can | 9230 000 125 |
| 5 l      | Canister  | 9230 000 130 |
| 10 l     | Canister  | 9230 000 135 |





## WERBAS and EWOS

### A single solution - all the information and processes displayed by a single system

Whatever specific tasks are required and whatever type of truck workshop is involved, modern software solutions have become an essential part of the everyday operations of companies. In order to repair vehicles quickly or carry out preventive maintenance on them, a fast and reliable supply of information and parts is required. For this reason, Europart and the German vehicle workshop software company WERBAS AG have created a joint solution which links all the information from the Europart Workshop Online System (EWOS) with the Workshop Management Solution of WERBAS for trucks, and which can provide this information in the workshops that need it. This makes processes more transparent and saves money and time, as well as eliminating the duplication of data records.



It is this linking of the EWOS system with its technical database and the Europart Online parts catalogue, as well as with the effective workshop management solution of WERBAS, which results in significant improvements in the everyday operations of our workshops. These include the ordering of parts which, thanks to the link with WERBAS, can be ordered directly for a specific task or from the warehouse. Automatic order suggestions can be displayed, as well as the quick and easy inventory system.

The EWOS system provides users who work with many different brands of vehicles with all the information they need to carry out vehicle servicing, cost calculations and repair work, which are all integrated in the WERBAS system.

And this applies not only for trucks, but also for cars. And whatever combination is used - thanks to the integration into the WERBAS workshop management system, these data can easily be used for orders, order processing, invoicing and other work procedures.



### **WERBAS lets you manage all your key operations effectively.**

Commercial vehicles earn money for their owners. That's why workshop operations and procedures must be optimised so that commercial vehicles, vans and buses, trucks and trailers can be put back on the road quickly to the satisfaction of the customers. For this purpose, the software solution of WERBAS for trucks supports the specialist staff in the workshops. The WERBAS software for trucks makes these everyday operations fast, dynamic and transparent. This system specially developed for the commercial vehicle sector provides not only support for all the key operations of a workshop, but it also makes the routine work easier. With WERBAS, all your workshop operations – from servicing 38-tonne trucks to small cars – can be displayed and managed.

### **WERBAS thinks with you.**

The WERBAS software for trucks is designed to see things from the perspective of a workshop. And every workshop is different. The WERBAS software can adapt to individual workshops because of its modular design. This software only uses the modules which appear to be useful for the operations required. And of course the software can be extended at any time by adding further modules. It can support anything from traditional order processing and warehouse stock management, tyre storage, comprehensive time management, detailed statistics or the area of customer relationship management (CRM). In this way, the software can be expanded to grow with the needs of the workshop.



[www.werbас-ag.com](http://www.werbас-ag.com)

### **The WERBAS software for trucks in detail**

With its extensive customer and vehicle database, the WERBAS software can store all the important information in one central location. These data form the basis for the range of tasks required.

The following modules and functions are available, and depending on the individual requirements of each workshop, these modules can be combined as required.

- Complete workshop management
- Customer and vehicle master database
- Merchandise management
- Work schedule management
- Tyre storage
- Operations / packages
- Warehouse management
- Integration of the EWOS system
- Operations management
- Digital archiving with the WERBAS Archive program
- Key figures for management
- List prices for customers / vehicles
- Order suggestions based on turnover frequency
- Part prices administration (parts information system)
- Functions for standard letters for bulk mailings
- Suppliers' product data
- ASA (Adaptive Security Appliance) network connection
- Statistics
- Inventory
- Customer relationship management (CRM)
- Time management
- Multiple interfaces
- and many other functions

### **Advice and further information**

Do you have additional questions or would you like to test the WERBAS software for trucks? The EUROPART business consultants can assist you as expert advisers with any questions related to the EWOS system and WERBAS software for trucks.

**WERBAS**

**Das Original!**

|                                           |                  |
|-------------------------------------------|------------------|
| <b>A. Index according to bus type</b>     | <b>708 – 764</b> |
| <b>B. Engine parts</b>                    | <b>765</b>       |
| <b>C. Universal parts</b>                 | <b>765 – 766</b> |
| <b>D. Everything for the bus workshop</b> | <b>766 – 768</b> |

## A. Index according to bus type

(Order as on the overview page IV/V)

### FAST Scoler

|                          |               |
|--------------------------|---------------|
| Air filter               | 153           |
| Alternator               | 245           |
| Ball joint               | 274, 275      |
| Brake caliper            | 480, 481, 483 |
| Brake disc               | 492           |
| Brake pad sensor         | 500           |
| Brake pad set            | 495, 497, 498 |
| Central/rear silencer    | 92            |
| Clutch master cylinder   | 84, 85        |
| Clutch servo             | 87            |
| Drag-link                | 267           |
| EBS control module       | 433           |
| EBS two channel module   | 432           |
| Engine radiator          | 124           |
| Fuel filter              | 147, 148      |
| Headlamp insert          | 172, 177      |
| Indicator switch         | 251           |
| Injection nozzle         | 69            |
| Injection nozzle fitting | 70            |
| Oil filter               | 144           |
| Shock absorber           | 392, 394      |
| Slack adjuster           | 509           |
| Stabilizer mounting      | 330, 331      |

### FAST Syter

|                              |               |
|------------------------------|---------------|
| Air filter                   | 152           |
| Air spring bellows           | 383, 384, 385 |
| Alternator                   | 245           |
| Brake caliper                | 480, 481      |
| Brake disc                   | 492           |
| Brake pad sensor             | 500           |
| Brake pad set                | 495, 497, 498 |
| Central/rear silencer        | 92            |
| Clutch master cylinder       | 84            |
| Clutch servo                 | 87            |
| Coolant thermostat           | 139           |
| Drag-link                    | 267           |
| Fuel filter                  | 147, 148, 149 |
| Hydraulic motor              | 133           |
| Indicator switch             | 251           |
| Kingpin kit                  | 336           |
| Oil filter                   | 144, 145      |
| Repair kit for trailing link | 312           |
| Rolling piston               | 390           |
| Shock absorber               | 394           |

### HEULIEZ series GX

|                                     |                         |
|-------------------------------------|-------------------------|
| Air spring bellows                  | 384, 386, 387           |
| Alternator                          | 245, 246, 249           |
| Ball joint                          | 274, 275, 277, 279, 282 |
| Brake caliper                       | 480, 481, 483, 484, 487 |
| Brake camshaft                      | 507                     |
| Brake disc                          | 491, 493                |
| Brake pad set                       | 495                     |
| Bulb holder                         | 191, 194                |
| Central/rear silencer               | 92                      |
| Charge air cooler                   | 118                     |
| Clamping sleeve for ABS sensor      | 343                     |
| Combination brake cylinder          | 463, 464                |
| Compressor                          | 399, 400                |
| Coolant thermostat                  | 139, 140                |
| Cover lid                           | 129                     |
| Drag-link                           | 265                     |
| Engine radiator                     | 124                     |
| Exhaust turbocharger                | 63                      |
| Front pipe                          | 95                      |
| Fuel filter                         | 147, 149                |
| Fuel pre-filter                     | 149                     |
| Headlamp insert                     | 172, 177                |
| Hydraulic filter                    | 155, 156                |
| Indicator light                     | 184, 191                |
| Injection nozzle                    | 69                      |
| Kingpin kit                         | 336                     |
| Membrane brake cylinder             | 454                     |
| Oil filter                          | 144, 145                |
| Oil separator                       | 65                      |
| Position light                      | 188, 218                |
| Pressure control valve              | 72                      |
| Repair kit for brake calipers       | 488                     |
| Repair kit for trailing link        | 312, 313                |
| Repair kit for transverse link      | 322                     |
| Screw for tracking adjustment       | 273                     |
| Shock absorber                      | 392, 394                |
| Side marker light                   | 194                     |
| Spare parts set for water separator | 469                     |
| Speed sensor                        | 344                     |
| Stabiliser bearing section          | 334                     |
| Stabilizer mounting                 | 329                     |
| Starter Motor                       | 233, 234, 236, 238      |
| Steering Track Rod                  | 269                     |
| Supporting joint/guide joint        | 321                     |
| Surge tank                          | 127                     |
| Trailing arm                        | 297                     |
| Water pump                          | 136                     |
| Wheel bolt                          | 359, 360                |
| Wheel hub                           | 348                     |
| Wheel nut                           | 362                     |

### IRISBUS Agora

|                            |                    |
|----------------------------|--------------------|
| Air dryer                  | 413                |
| Air filter                 | 153                |
| Air spring bellows         | 384, 386, 387      |
| Alternator                 | 242, 245, 249      |
| Ball joint                 | 275, 282           |
| Brake caliper              | 480, 481, 482      |
| Brake disc                 | 491                |
| Brake drum                 | 501                |
| Brake pad set              | 495, 497           |
| Bulb holder                | 191, 194           |
| Cabin filter/pollen filter | 159, 160           |
| Charge air cooler          | 118                |
| Combination brake cylinder | 458, 464           |
| Compressor                 | 399, 400           |
| Coolant thermostat         | 139, 140           |
| Drag-link                  | 265                |
| Fuel filter                | 147, 148, 149, 150 |
| Fuel pre-filter            | 149                |

|                                      |          |
|--------------------------------------|----------|
| Hydraulic filter                     | 155, 156 |
| Indicator light                      | 191      |
| Needle bearing                       | 341      |
| Oil filter                           | 144, 145 |
| Repair kit for brake calipers        | 488      |
| Repair kit for trailing link         | 312      |
| Repair kit for transverse link       | 322      |
| Rubber-to-metal bearing for silencer | 110      |
| Screw for tracking adjustment        | 273      |
| Sealing cap                          | 341      |
| Shock absorber                       | 392, 394 |
| Slack adjuster                       | 509      |
| Spare parts set for water separator  | 469      |
| Speed sensor                         | 344      |
| Starter Motor                        | 234, 237 |
| Steering Track Rod                   | 269      |
| Tapered roller bearing               | 351      |
| Temperature sensor                   | 71       |
| Water pump                           | 135, 136 |
| Wheel bolt                           | 360      |
| Wheel hub                            | 348      |
| Wheel nut                            | 362      |
| Wiper blade                          | 582      |

### IRISBUS Arès

|                                              |                              |
|----------------------------------------------|------------------------------|
| Air dryer                                    | 413                          |
| Air filter                                   | 152                          |
| Air spring                                   | 377                          |
| Air spring bellows                           | 384, 385, 386                |
| Air spring valve                             | 375                          |
| Alternator                                   | 242, 245, 249                |
| Attachment wedge for exterior mirror         | 535                          |
| Ball joint                                   | 274, 275, 276, 279, 282, 284 |
| Brake disc                                   | 491, 493                     |
| Brake light                                  | 206                          |
| Brake pad set                                | 495, 497, 498                |
| Bulb holder                                  | 191, 194                     |
| Cabin filter/pollen filter                   | 159                          |
| Clamping sleeve for ABS sensor               | 343                          |
| Clutch master cylinder                       | 84                           |
| Clutch servo                                 | 86, 87                       |
| Combination brake cylinder                   | 457, 458, 464                |
| Compressor                                   | 400                          |
| Coolant thermostat                           | 139, 140                     |
| Cover for exterior mirror                    | 535                          |
| Exhaust pipe clamp                           | 105                          |
| Fuel filter                                  | 148, 150                     |
| Hydraulic filter                             | 155, 156                     |
| Indicator light                              | 191, 214                     |
| Lamp holder for rear light                   | 206                          |
| Main mirror                                  | 535                          |
| Oil filter                                   | 144, 145                     |
| Pipe clip                                    | 108                          |
| Position light                               | 188                          |
| Rear light                                   | 201                          |
| Repair kit for trailing link                 | 312, 313                     |
| Repair kit for trailing link/transverse link | 323                          |
| Rubber-to-metal bearing for silencer         | 110                          |
| Secondary air filter                         | 154                          |
| Shock absorber                               | 392, 394                     |
| Slack adjuster                               | 509                          |
| Speed sensor                                 | 344                          |
| Starter Motor                                | 234, 237, 238                |
| Steering Track Rod                           | 270                          |
| Tapered roller bearing                       | 351                          |
| Trailing arm                                 | 297, 298                     |
| Transverse link                              | 319                          |
| Wheel bolt                                   | 360                          |
| Wheel hub                                    | 348                          |
| Wheel nut                                    | 362                          |

### IRISBUS Arway

|                                |                         |
|--------------------------------|-------------------------|
| ABS relay valve                | 441                     |
| Air dryer                      | 407, 411, 413           |
| Air filter                     | 153                     |
| Air spring                     | 377                     |
| Air spring bellows             | 384, 385, 386           |
| Alternator                     | 242, 245, 246, 247, 249 |
| Ball joint                     | 274, 275, 276, 277, 284 |
| Blowoff valve                  | 420                     |
| Brake caliper                  | 482, 487                |
| Brake disc                     | 491                     |
| Brake light                    | 206                     |
| Brake pad set                  | 495                     |
| Bumper                         | 548                     |
| Cabin filter/pollen filter     | 159                     |
| Clamping sleeve for ABS sensor | 343                     |
| Clutch master cylinder         | 84                      |
| Clutch releaser                | 83                      |
| Clutch servo                   | 86, 87                  |
| Combination brake cylinder     | 464                     |
| Complete mirror system         | 534                     |
| Compressor                     | 400                     |
| Deflection pulley/guide pulley | 9                       |
| Dehumidification valve         | 467                     |
| Drag-link                      | 265                     |
| Electrical ballast             | 516                     |
| Engine radiator                | 124                     |
| Exhaust turbocharger           | 63                      |
| Fan wheel                      | 131                     |
| Foot brake valve               | 428                     |
| Four-circuit protection valve  | 417                     |
| Front pipe                     | 95                      |
| Fuel filter                    | 147, 148, 149, 150      |
| Fuel pre-filter                | 149                     |
| Glass unit for main mirror     | 535                     |
| Guide bearing                  | 76                      |
| H7 main headlamp               | 166                     |
| Hand brake valve               | 430                     |
| Heat exchanger                 | 518, 519                |
| Heater Motor                   | 515                     |
| Hydraulic filter               | 155, 156                |
| Indicator light                | 184, 214                |
| Indicator switch               | 251, 253                |
| Main mirror                    | 535                     |
| Muffler                        | 447                     |
| Non-return valve               | 445                     |
| Oil cooler                     | 64                      |
| Oil filter                     | 144, 145                |
| Oil separator                  | 65                      |
| Particulate filter             | 94                      |
| Poly-V belt tensioner          | 8                       |
| Position light                 | 188, 218                |
| Potentiometer                  | 254                     |
| Power-steering pump            | 289                     |
| Pressure control valve         | 434                     |
| Pressure limiter               | 438                     |
| Pressure-reducing valve        | 439                     |
| Relay valve                    | 439                     |
| Repair kit for trailing link   | 312, 313                |
| Shock absorber                 | 392, 393, 394           |
| Side marker light              | 194                     |
| Silencer                       | 93                      |
| Solenoid valve                 | 435, 437                |
| Speed sensor                   | 345                     |
| Stabilizer mounting            | 331, 332                |
| Starter Motor                  | 233, 234, 236, 237, 238 |
| Steering Track Rod             | 269, 270                |
| Supporting joint/guide joint   | 321                     |
| Tapered roller bearing         | 351                     |
| Thermostat set                 | 140                     |



|                        |          |
|------------------------|----------|
| Trailing arm           | 297, 298 |
| Transverse link        | 319      |
| Urea filter            | 151      |
| Valve for turbocharger | 63       |
| Water pump             | 135      |
| Wheel bolt             | 360      |
| Wheel hub              | 348      |
| Wheel nut              | 362      |
| Wiper arm              | 580      |
| Wiper bearing          | 578      |
| Wiper blade            | 581, 582 |
| Wiper motor            | 575      |
| Wiper rods             | 576      |

#### IRISBUS Axer

|                                                |               |
|------------------------------------------------|---------------|
| Air dryer                                      | 413           |
| Air spring                                     | 377           |
| Air spring bellows                             | 384, 385, 386 |
| Alternator                                     | 245, 249      |
| Ball joint                                     | 274, 275, 276 |
| Brake camshaft                                 | 507           |
| Brake disc                                     | 491           |
| Cabin filter/pollen filter                     | 159           |
| Clutch servo                                   | 86            |
| Combination brake cylinder                     | 464           |
| Exhaust pipe                                   | 100           |
| Fuel filter                                    | 147, 148, 149 |
| Hydraulic filter                               | 155, 156      |
| Oil filter                                     | 144, 145      |
| Repair kit for trailing link for trailing link | 313           |
| Shock absorber                                 | 394           |
| Starter Motor                                  | 234, 238      |
| Steering Track Rod                             | 270           |
| Tapered roller bearing                         | 351           |
| Trailing arm                                   | 297, 298      |
| Transverse link                                | 319           |
| Wheel bolt                                     | 360           |
| Wheel hub                                      | 348           |
| Wheel nut                                      | 362           |
| Wiper blade                                    | 581           |

#### IRISBUS Citelis

|                                |                         |
|--------------------------------|-------------------------|
| ABS relay valve                | 441                     |
| Air dryer                      | 410, 413                |
| Air filter                     | 153, 154                |
| Air spring                     | 377                     |
| Air spring bellows             | 387                     |
| Air treatment unit             | 405                     |
| Alternator                     | 245, 249                |
| Ball joint                     | 274, 275, 277, 282, 284 |
| Blowoff valve                  | 420                     |
| Brake caliper                  | 480, 481, 487           |
| Brake disc                     | 491                     |
| Brake pad set                  | 495, 497                |
| Bulb holder                    | 191, 194                |
| Bumper                         | 548                     |
| Cabin filter                   | 159, 160                |
| Charge air cooler              | 118                     |
| Clamping sleeve for ABS sensor | 343                     |
| Combination brake cylinder     | 464                     |
| Compressor                     | 400                     |
| Deflection pulley/guide pulley | 9                       |
| Drag-link                      | 265                     |
| Engine radiator                | 124                     |
| Exhaust pipe                   | 100                     |
| Exhaust turbocharger           | 63                      |
| Fan wheel                      | 131                     |
| Foot brake valve               | 428                     |
| Front pipe                     | 95                      |
| Fuel filter                    | 147, 148, 149, 150      |
| Fuel pre-filter                | 149                     |

|                               |          |
|-------------------------------|----------|
| Hand brake valve              | 430      |
| Hand feed pump                | 67       |
| Headlamp insert               | 177      |
| Heat exchanger                | 518      |
| Heater Motor                  | 515      |
| Hydraulic filter              | 155, 156 |
| Impact corner                 | 548      |
| Indicator light               | 184, 191 |
| Indicator switch              | 253      |
| Membrane brake cylinder       | 454      |
| Needle bearing                | 341      |
| Non-return valve              | 445      |
| Oil filter                    | 144, 145 |
| Particulate filter            | 94       |
| Pipe clip                     | 122      |
| Poly-V belt tensioner         | 8        |
| Position light                | 188, 218 |
| Power-steering pump           | 289      |
| Quick-release valve           | 445      |
| Repair kit for trailing link  | 312, 313 |
| Rubber-to-metal bearing       | 110      |
| Screw for tracking adjustment | 273      |
| Sealing cap                   | 341      |
| Shaft sealing ring            | 357      |
| Shock absorber                | 394      |
| Side marker light             | 194      |
| Silencer                      | 93       |
| Slack adjuster                | 509      |
| Solenoid valve                | 437      |
| Speed sensor                  | 344      |
| Starter Motor                 | 234, 238 |
| Steering Track Rod            | 269, 270 |
| Supporting joint/guide joint  | 321      |
| Surge tank                    | 127      |
| Tapered roller bearing        | 351      |
| Temperature sensor            | 71       |
| Trailing arm                  | 297      |
| Urea filter                   | 151      |
| Valve block                   | 373      |
| Water pump                    | 135      |
| Water trap                    | 467      |
| Wheel bolt                    | 359, 360 |
| Wheel hub                     | 348      |
| Wheel nut                     | 362      |
| Wiper arm                     | 579      |
| Wiper bearing                 | 578      |
| Wiper blade                   | 581, 582 |
| Wiper motor                   | 575      |
| Wiper rods                    | 576      |

#### IRISBUS Citelis CNG

|                                |               |
|--------------------------------|---------------|
| ABS relay valve                | 441           |
| Air dryer                      | 410           |
| Air filter                     | 154           |
| Air treatment unit             | 405           |
| Alternator                     | 242, 246, 249 |
| Brake caliper                  | 480           |
| Brake disc                     | 491           |
| Brake pad set                  | 495           |
| Bumper                         | 548           |
| Cabin filter                   | 160           |
| Charge air cooler              | 118           |
| Compressor                     | 400           |
| Coolant thermostat             | 139           |
| Deflection pulley/guide pulley | 9             |
| Drag-link                      | 265           |
| Electrical ballast             | 516           |
| Engine radiator                | 124           |
| Fan wheel                      | 131           |
| Foot brake valve               | 428           |
| Hand brake valve               | 430           |

|                               |          |
|-------------------------------|----------|
| Headlamp insert               | 177      |
| Heater Motor                  | 515      |
| Impact corner                 | 548      |
| Indicator light               | 184      |
| Level control                 | 374      |
| Membrane brake cylinder       | 454      |
| Oil filter                    | 144, 145 |
| Poly-V belt tensioner         | 8        |
| Position light                | 188, 218 |
| Power-steering pump           | 293      |
| Pressure control valve        | 434      |
| Repair kit for brake calipers | 488      |
| Side marker light             | 194      |
| Silencer                      | 93       |
| Speed sensor                  | 344      |
| Starter Motor                 | 238      |
| Steering Track Rod            | 269, 270 |
| Surge tank                    | 127      |
| Trailing arm                  | 297      |
| Water pump                    | 135      |
| Wheel hub                     | 348      |
| Wheel nut                     | 362      |
| Wiper arm                     | 579      |
| Wiper bearing                 | 578      |
| Wiper motor                   | 575      |
| Wiper rods                    | 576      |

#### IRISBUS Crossway LE

|                                |                    |
|--------------------------------|--------------------|
| ABS relay valve                | 441                |
| Air dryer                      | 410                |
| Air filter                     | 153                |
| Air treatment unit             | 405                |
| Air-conditioning compressor    | 521                |
| Alternator                     | 242, 245, 246, 249 |
| Brake caliper                  | 480, 482, 487      |
| Brake disc                     | 491                |
| Brake light                    | 206                |
| Brake pad set                  | 495                |
| Bumper                         | 548                |
| Cabin filter                   | 160                |
| Clutch master cylinder         | 84                 |
| Clutch servo                   | 86, 87             |
| Combination brake cylinder     | 464                |
| Complete mirror system         | 534                |
| Compressor                     | 400                |
| Coolant thermostat             | 139                |
| Cover for exterior mirror      | 535                |
| Deflection pulley/guide pulley | 9                  |
| Drag-link                      | 265                |
| Dryer                          | 522                |
| EBS foot brake module          | 429                |
| EBS single channel module      | 432                |
| EBS two channel module         | 432                |
| Electrical ballast             | 516                |
| Engine radiator                | 124                |
| Foot brake valve               | 428                |
| Front pipe                     | 95                 |
| Fuel filter                    | 147, 149           |
| Fuel pre-filter                | 149                |
| Glass unit for main mirror     | 535                |
| H7 main headlamp               | 166                |
| Hand brake valve               | 430                |
| Heat exchanger                 | 519                |
| Heater Motor                   | 515                |
| Hose clip                      | 122                |
| Hydraulic filter               | 155, 156           |
| Indicator light                | 184, 214           |
| Indicator switch               | 251, 253           |
| Main mirror                    | 535                |
| Membrane brake cylinder        | 454                |
| Oil filter                     | 144, 145           |

|                               |               |
|-------------------------------|---------------|
| Pipe clip                     | 122           |
| Poly-V belt tensioner         | 8             |
| Position light                | 188, 218      |
| Power-steering pump           | 289           |
| Pressure control valve        | 434           |
| Pressure-reducing valve       | 439           |
| Quick-release valve           | 445           |
| Screw for tracking adjustment | 273           |
| Shock absorber                | 393           |
| Side marker light             | 194           |
| Silencer                      | 93            |
| Solenoid valve                | 435, 437      |
| Starter Motor                 | 233, 236, 238 |
| Steering Track Rod            | 269, 270      |
| Tapered roller bearing        | 351           |
| Thermostat set                | 140           |
| Trailing arm                  | 297, 298      |
| Urea filter                   | 151           |
| Water pump                    | 135           |
| Water trap                    | 467           |
| Wheel bolt                    | 360           |
| Wheel hub                     | 348           |
| Wheel nut                     | 362           |
| Wiper arm                     | 580           |
| Wiper bearing                 | 578           |
| Wiper blade                   | 581, 582      |
| Wiper motor                   | 575           |
| Wiper rods                    | 576           |

#### IRISBUS Domino [2001-]

|                            |          |
|----------------------------|----------|
| Air dryer                  | 413      |
| Air filter                 | 153      |
| Air spring bellows         | 387      |
| Alternator                 | 249      |
| Brake caliper              | 487      |
| Cabin filter/pollen filter | 159, 160 |
| Compressor                 | 400      |
| Front pipe                 | 95       |
| Fuel filter                | 148, 149 |
| Fuel pre-filter            | 149      |
| Oil filter                 | 144, 145 |
| Poly-V belt tensioner      | 8        |
| Potentiometer              | 254      |
| Starter Motor              | 237, 238 |
| Steering Track Rod         | 270      |
| Trailing arm               | 298, 299 |
| Transverse link            | 316, 318 |

#### IRISBUS New Domino [2007-]

|                        |          |
|------------------------|----------|
| Air spring bellows     | 387      |
| Alternator             | 249      |
| Brake caliper          | 487      |
| Clutch servo           | 86, 87   |
| Compressor             | 400      |
| Fuel filter            | 147, 149 |
| Fuel pre-filter        | 149      |
| Hydraulic filter       | 155, 156 |
| Indicator switch       | 253      |
| Oil filter             | 144, 145 |
| Speed sensor           | 342, 344 |
| Valve for turbocharger | 63       |

#### IRISBUS Eurorider

|                    |                    |
|--------------------|--------------------|
| 4/2-way tap        | 444                |
| 'A' frame          | 314                |
| ABS relay valve    | 441                |
| Air dryer          | 405, 407, 411, 413 |
| Air filter         | 153, 154           |
| Air spring bellows | 383, 387           |
| Air spring valve   | 375                |
| Alternator         | 242, 245, 246, 249 |

|                                 |                    |
|---------------------------------|--------------------|
| Attachment screw for brake disc | 494                |
| Ball joint                      | 275                |
| Blowoff valve                   | 420, 421           |
| Brake caliper                   | 485, 487           |
| Brake disc set                  | 492, 494           |
| Brake pad sensor                | 500                |
| Brake pad set                   | 495, 496, 498      |
| Central/rear silencer           | 92                 |
| Clamping piece                  | 107                |
| Clamping sleeve for ABS sensor  | 343                |
| Clutch actuator                 | 86                 |
| Clutch master cylinder          | 85                 |
| Clutch releaser                 | 83                 |
| Clutch servo                    | 86, 87             |
| Combination brake cylinder      | 459, 460           |
| Compressor                      | 400                |
| Coolant thermostat              | 139                |
| Coupling rod                    | 327                |
| Deflection pulley/guide pulley  | 9                  |
| Drag-link                       | 265                |
| EBS foot brake module           | 429                |
| EBS single channel module       | 432                |
| ECAS path sensor                | 374                |
| Exhaust turbocharger            | 63                 |
| Filling level sensor            | 72                 |
| Flywheel                        | 74                 |
| Foot brake valve                | 428                |
| Four-circuit protection valve   | 415, 417           |
| Fuel filter                     | 147, 149           |
| Fuel pre-filter                 | 149                |
| Guide bearing                   | 77                 |
| Hand brake valve                | 429, 430           |
| Hand feed pump                  | 67                 |
| Hydraulic filter                | 155, 156           |
| Indicator                       | 253                |
| Indicator switch                | 251, 253           |
| Membrane brake cylinder         | 451, 453           |
| Non-return valve                | 445                |
| Oil cooler                      | 64                 |
| Overflow valve                  | 426                |
| Pipe clip                       | 108, 122           |
| Poly-V belt tensioner           | 8                  |
| Potentiometer                   | 254                |
| Power-steering pump             | 289                |
| Pressure control valve          | 433, 434           |
| Pressure limiter                | 439                |
| Pressure sensor                 | 448                |
| Quick-release valve             | 445, 446           |
| Relay valve                     | 440                |
| Seal for fuel pump              | 68                 |
| Shock absorber                  | 393, 394           |
| Silencer                        | 93                 |
| Solenoid valve                  | 435                |
| Speed sensor                    | 342, 344           |
| Stabilizer mounting             | 332                |
| Starter Motor                   | 233, 236, 238, 239 |
| Steering Track Rod              | 269, 270           |
| Tapered roller bearing          | 351                |
| Thermostat set                  | 140                |
| Tightening strap                | 109                |
| Trailing arm                    | 298, 299           |
| Transverse link                 | 316, 318           |
| Urea filter                     | 151                |
| Valve block                     | 373                |
| Water pump                      | 135                |
| Water trap                      | 467                |
| Wheel bearing set               | 352                |
| Wheel nut                       | 362, 363           |
| Wiper rods                      | 576                |
| Working cylinder                | 113                |

**IRISBUS Evadys**

|                                      |                    |
|--------------------------------------|--------------------|
| Air dryer                            | 413                |
| Air filter                           | 153                |
| Air spring                           | 377                |
| Air spring bellows                   | 384, 385, 386      |
| Alternator                           | 245, 249           |
| Ball joint                           | 274, 275, 276      |
| Brake caliper                        | 487                |
| Brake disc                           | 491                |
| Brake light                          | 206                |
| Brake pad set                        | 495                |
| Bumper                               | 548                |
| Cabin filter/pollen filter           | 159                |
| Clamping sleeve for ABS sensor       | 343                |
| Clutch master cylinder               | 84                 |
| Clutch servo                         | 86, 87             |
| Combination brake cylinder           | 458, 464           |
| Complete mirror system               | 534                |
| Compressor                           | 400                |
| Exhaust pipe                         | 100                |
| Exhaust turbocharger                 | 63                 |
| Front pipe                           | 95                 |
| Fuel filter                          | 147, 148, 149, 150 |
| Fuel pre-filter                      | 149                |
| Hydraulic filter                     | 155, 156           |
| Indicator light                      | 184, 214           |
| Indicator switch                     | 253                |
| Oil filter                           | 144, 145           |
| Poly-V belt tensioner                | 8                  |
| Position light                       | 188                |
| Potentiometer                        | 254                |
| Rear light                           | 201                |
| Repair kit for trailing link         | 312                |
| Rubber-to-metal bearing for silencer | 110                |
| Shock absorber                       | 393, 394           |
| Solenoid valve                       | 435                |
| Speed sensor                         | 344                |
| Stabilizer mounting                  | 331, 332           |
| Starter Motor                        | 237, 238           |
| Steering Track Rod                   | 270                |
| Tapered roller bearing               | 351                |
| Transverse link                      | 319                |
| Wheel bolt                           | 360                |
| Wheel hub                            | 348                |
| Wheel nut                            | 362                |
| Wiper blade                          | 582                |

**IRISBUS Iliade**

|                                |                    |
|--------------------------------|--------------------|
| Air dryer                      | 413                |
| Air spring                     | 377                |
| Air spring bellows             | 384, 386           |
| Air spring valve               | 375                |
| Alternator                     | 242, 245           |
| Ball joint                     | 274, 275, 276, 282 |
| Brake disc                     | 491, 493           |
| Brake pad set                  | 495, 497, 498      |
| Bulb holder                    | 191, 194           |
| Cabin filter/pollen filter     | 159, 160           |
| Clamping sleeve for ABS sensor | 343                |
| Clutch master cylinder         | 84                 |
| Clutch servo                   | 86, 87             |
| Combination brake cylinder     | 457, 458           |
| Compressor                     | 400                |
| Coolant thermostat             | 139, 140           |
| Fuel filter                    | 148, 149           |
| Heat exchanger                 | 518                |
| Hydraulic filter               | 155, 156           |
| Indicator light                | 191                |
| Oil filter                     | 144, 145           |
| Position light                 | 188                |

|                                |           |
|--------------------------------|-----------|
| Rear light                     | .201      |
| Repair kit for trailing link   | .312      |
| Repair kit for transverse link | .322      |
| Screw for tracking adjustment  | .273      |
| Shock absorber                 | .392, 394 |
| Slack adjuster                 | .509      |
| Solenoid valve                 | .435      |
| Speed sensor                   | .344      |
| Starter Motor                  | .234, 237 |
| Steering Track Rod             | .270      |
| Tapered roller bearing         | .351      |
| Transverse link                | .319      |
| Wheel bolt                     | .360      |
| Wheel hub                      | .348      |
| Wheel nut                      | .362      |

#### IRISBUS Magelys

|                                |                |
|--------------------------------|----------------|
| Air dryer                      | .410           |
| Air spring bellows             | .385, 386      |
| Air treatment unit             | .405           |
| Air-conditioning compressor    | .521           |
| Alternator                     | .242, 245, 246 |
| Ball joint                     | .275, 276      |
| Blowoff valve                  | .420           |
| Brake caliper                  | .482, 487      |
| Brake disc                     | .491           |
| Brake pad set                  | .495           |
| Bulb                           | .226           |
| Cabin filter                   | .160           |
| Clamping sleeve for ABS sensor | .343           |
| Clutch master cylinder         | .84            |
| Clutch releaser                | .83            |
| Clutch servo                   | .86, 87        |
| Combination brake cylinder     | .464           |
| Compressor                     | .400           |
| Condenser                      | .525           |
| Coolant thermostat             | .139           |
| Dryer                          | .522           |
| EBS foot brake module          | .429           |
| EBS single channel module      | .432           |
| EBS two channel module         | .432           |
| Flywheel                       | .74            |
| Front pipe                     | .95            |
| Fuel filter                    | .147, 149      |
| Fuel pre-filter                | .149           |
| Gas spring                     | .563           |
| Guide bearing                  | .77            |
| Guide sealing set              | .490           |
| Hand brake valve               | .430           |
| Hand feed pump                 | .67            |
| Heat exchanger                 | .518           |
| Hydraulic filter               | .155, 156      |
| Indicator light                | .184           |
| Indicator switch               | .251, 253      |
| Oil filter                     | .144, 145      |
| Pipe clip                      | .122           |
| Poly-V belt tensioner          | .8             |
| Position light                 | .188           |
| Potentiometer                  | .254           |
| Power-steering pump            | .289           |
| Quick-release valve            | .445           |
| Shock absorber                 | .393           |
| Speed sensor                   | .345           |
| Stabilizer mounting            | .332           |
| Starter Motor                  | .239           |
| Steering Track Rod             | .270           |
| Tapered roller bearing         | .351           |
| Trailing arm                   | .297, 298      |
| Transverse link                | .319           |
| Urea filter                    | .151           |
| Water trap                     | .467           |

|             |           |
|-------------|-----------|
| Wheel bolt  | .360      |
| Wheel hub   | .348      |
| Wheel nut   | .362      |
| Wiper arm   | .580      |
| Wiper blade | .581, 582 |
| Wiper motor | .575      |

#### IRISBUS Récréo [1997-]

|                                      |                |
|--------------------------------------|----------------|
| Air dryer                            | .413           |
| Air filter                           | .153           |
| Air spring                           | .377           |
| Air spring bellows                   | .384, 385, 386 |
| Alternator                           | .245, 249      |
| Ball joint                           | .274, 275, 276 |
| Brake caliper                        | .487           |
| Brake camshaft                       | .507           |
| Cabin filter/pollen filter           | .159           |
| Clutch master cylinder               | .84            |
| Clutch servo                         | .86            |
| Combination brake cylinder           | .464           |
| Exhaust pipe                         | .100           |
| Exhaust turbocharger                 | .63            |
| Fuel filter                          | .147, 149, 150 |
| Fuel pre-filter                      | .149           |
| Hydraulic filter                     | .155, 156      |
| Oil filter                           | .144, 145      |
| Repair kit for trailing link         | .312           |
| Rubber-to-metal bearing for silencer | .110           |
| Shock absorber                       | .394           |
| Starter Motor                        | .233, 234, 236 |
| Steering Track Rod                   | .270           |
| Wheel nut                            | .362           |
| Wiper blade                          | .581           |

#### IRISBUS Récréo II [2006-]

|                            |           |
|----------------------------|-----------|
| ABS relay valve            | .441      |
| Air dryer                  | .410      |
| Air filter                 | .153      |
| Air spring                 | .377      |
| Air treatment unit         | .405      |
| Alternator                 | .242, 246 |
| Brake caliper              | .482      |
| Brake disc                 | .491      |
| Brake pad set              | .495      |
| Bumper                     | .548      |
| Clutch releaser            | .83       |
| Clutch servo               | .86, 87   |
| Complete mirror system     | .534      |
| Compressor                 | .400      |
| Engine radiator            | .124      |
| Front pipe                 | .95       |
| Fuel filter                | .147      |
| Glass unit for main mirror | .535      |
| Guide bearing              | .76       |
| H7 main headlamp           | .166      |
| Hand brake valve           | .430      |
| Heat exchanger             | .518      |
| Heater Motor               | .515      |
| Indicator light            | .184      |
| Indicator switch           | .251, 253 |
| Main mirror                | .535      |
| Oil filter                 | .145      |
| Poly-V belt tensioner      | .8        |
| Position light             | .188      |
| Potentiometer              | .254      |
| Pressure control valve     | .434      |
| Pressure limiter           | .438      |
| Pressure-reducing valve    | .439      |
| Shock absorber             | .393      |
| Side marker light          | .194      |
| Silencer                   | .93       |

|                        |           |
|------------------------|-----------|
| Stabilizer mounting    | .331, 332 |
| Starter Motor          | .238      |
| Steering Track Rod     | .270      |
| Tapered roller bearing | .351      |
| Thermostat set         | .140      |
| Trailing arm           | .297, 298 |
| Transverse link        | .319      |
| Water pump             | .135      |
| Wheel bolt             | .360      |
| Wheel hub              | .348      |
| Wheel nut              | .362      |
| Wiper arm              | .580      |
| Wiper blade            | .582      |
| Wiper motor            | .575      |

### IVECO CityClass

|                                                |                          |
|------------------------------------------------|--------------------------|
| 3/2-way valve                                  | .443                     |
| 'A' frame                                      | .315                     |
| Air dryer                                      | .407, 409, 411, 412, 413 |
| Air filter                                     | .152, 153                |
| Air spring bellows                             | .387                     |
| Alternator                                     | .241, 245, 249           |
| Ball joint                                     | .274, 275, 282           |
| Blowoff valve                                  | .420                     |
| Brake caliper                                  | .482, 487                |
| Brake disc                                     | .493                     |
| Brake disc set                                 | .494                     |
| Brake pad set                                  | .497                     |
| Cabin filter/pollen filter                     | .159                     |
| Central unit                                   | .372, 444                |
| Central/rear silencer                          | .92                      |
| Clamping piece                                 | .107                     |
| Clamping sleeve for ABS sensor                 | .343                     |
| Combination brake cylinder                     | .456                     |
| Compressor                                     | .400                     |
| Coolant thermostat                             | .139                     |
| Coupling rod                                   | .327                     |
| Deflection pulley/guide pulley                 | .9                       |
| ECAS path sensor                               | .374                     |
| ECAS solenoid valve                            | .372                     |
| Exhaust pipe                                   | .100                     |
| Exhaust turbocharger                           | .63                      |
| Foot brake valve                               | .428                     |
| Four-circuit protection valve                  | .416, 418                |
| Fuel filter                                    | .147, 148, 149           |
| Fuel pre-filter                                | .149                     |
| Gasket set for compressor                      | .404                     |
| Hand brake valve                               | .429, 430                |
| Hand feed pump                                 | .67                      |
| Heater Motor                                   | .515                     |
| Hydraulic filter                               | .155, 156                |
| Indicator switch                               | .253                     |
| Membrane brake cylinder                        | .449                     |
| Oil cooler                                     | .64                      |
| Oil filter                                     | .144, 145                |
| Overflow valve                                 | .424, 426                |
| Pipe filter                                    | .414                     |
| Poly-V belt tensioner                          | .8                       |
| Potentiometer                                  | .254                     |
| Power-steering pump                            | .289                     |
| Pressure control valve                         | .433                     |
| Pressure limiter                               | .439                     |
| Relay valve                                    | .440                     |
| Repair kit for air dryer                       | .413                     |
| Repair kit for brake valve                     | .431                     |
| Repair kit for clutch booster                  | .88                      |
| Repair kit for trailing link for trailing link | .311, 312, 313           |
| Shaft sealing ring                             | .358                     |
| Shock absorber                                 | .393, 395                |
| Solenoid valve                                 | .435, 436                |
| Speed sensor                                   | .342                     |

|                        |           |
|------------------------|-----------|
| Stabilizer mounting    | .331      |
| Starter Motor          | .238      |
| Steering Track Rod     | .269      |
| Suspension elastic     | .109      |
| Tapered roller bearing | .350      |
| Temperature sensor     | .71       |
| Tightening strap       | .109      |
| Trailing arm           | .298, 301 |
| Valve for turbocharger | .63       |
| Valve plate set        | .404      |
| Washer fluid pump      | .574      |
| Water pump             | .135      |
| Water trap             | .468      |
| Wheel bearing set      | .352      |
| Wheel hub              | .348      |
| Wheel nut              | .363      |

### MAN Lion's City EL (A78) [2004-]

|                                               |                |
|-----------------------------------------------|----------------|
| 2-way valve                                   | .442           |
| Air dryer                                     | .406, 411, 413 |
| Air filter                                    | .153           |
| Air spring bellows                            | .383           |
| Air-conditioning compressor                   | .521           |
| Alternator                                    | .245           |
| Ball joint                                    | .274, 277, 278 |
| Blowoff valve                                 | .421, 423      |
| Brake caliper                                 | .486           |
| Brake disc                                    | .491, 492      |
| Brake pad set                                 | .497           |
| Charge air cooler                             | .118           |
| Combination brake cylinder                    | .461           |
| Compressor                                    | .400           |
| Coolant thermostat                            | .139           |
| Coupling rod                                  | .328           |
| Deflection pulley/guide pulley                | .9             |
| Drag-link                                     | .264           |
| EBS axle modulator                            | .431           |
| ECAS solenoid valve                           | .373           |
| Electrical ballast                            | .513           |
| Engine radiator                               | .124           |
| Exhaust pipe clamp                            | .105           |
| Fan wheel                                     | .132           |
| Foot brake valve                              | .428           |
| Four-circuit protection valve                 | .418           |
| Front pipe                                    | .95, 96        |
| Fuel filter                                   | .147, 148, 149 |
| Guide sealing set                             | .489           |
| H7 main headlamp                              | .168           |
| Hand brake valve                              | .430           |
| Heater Motor                                  | .515           |
| Hydraulic filter                              | .156           |
| Indicator light                               | .185, 191      |
| Indicator switch                              | .252           |
| Interior fan                                  | .590           |
| Main mirror                                   | .538           |
| Membrane brake cylinder                       | .452           |
| Oil filter                                    | .144           |
| Poly-V belt tensioner                         | .8             |
| Power-steering pump                           | .287, 290, 292 |
| Pressure control valve                        | .433           |
| Pressure pad set                              | .490           |
| Relay valve                                   | .439           |
| Repair kit for fuel pump                      | .68            |
| Shaft sealing ring                            | .357           |
| Shock absorber                                | .393           |
| Side light/indicator lens for main headlights | .169           |
| Silencer                                      | .93            |
| Solenoid valve                                | .435, 436      |
| Stabiliser bearing section                    | .334           |
| Stabilizer mounting                           | .329           |
| Starter Motor                                 | .231, 240      |



|                                            |               |
|--------------------------------------------|---------------|
| Steering Track Rod                         | 272           |
| Surge tank                                 | 127           |
| Tapered roller bearing                     | 351           |
| Tension roller                             | 7             |
| TORX® hexagon bolt for brake disc mounting | 495           |
| Trailing arm                               | 294, 298, 302 |
| Washer fluid pump                          | 574           |
| Water pump                                 | 136           |
| Water trap                                 | 468           |
| Wheel bolt                                 | 360           |
| Wheel hub                                  | 348           |
| Wheel nut                                  | 363           |
| Wiper arm                                  | 579           |
| Wiper bearing                              | 578           |
| Wiper blade                                | 581           |
| Wiper motor                                | 575           |
| Wiper rods                                 | 576           |
| Working cylinder                           | 114           |

#### MAN Lion's City NG (A23) [2004-]

|                                |               |
|--------------------------------|---------------|
| 2-way valve                    | 442           |
| Additional headlamp            | 178           |
| Air dryer                      | 406, 411, 413 |
| Air filter                     | 152           |
| Air spring bellows             | 383           |
| Air-conditioning compressor    | 521           |
| Axial fan                      | 512           |
| Ball joint                     | 274, 277, 278 |
| Blower                         | 513           |
| Blowoff valve                  | 423           |
| Brake caliper                  | 486, 487      |
| Brake disc                     | 491, 492      |
| Brake pad set                  | 498           |
| Cabin filter                   | 160           |
| Cabin filter/pollen filter     | 159           |
| Catch plate                    | 570           |
| Catchpin bracket               | 570           |
| Central/rear silencer          | 92            |
| Charge air cooler              | 118           |
| Charge air hose                | 119           |
| Combination brake cylinder     | 461           |
| Compressor                     | 400           |
| Condenser                      | 525           |
| Coolant thermostat             | 139           |
| Deflection pulley/guide pulley | 9             |
| Door bracket                   | 569           |
| Door seal                      | 569           |
| Drag-link                      | 264           |
| Dryer                          | 522           |
| EBS axle modulator             | 431           |
| EBS foot brake module          | 429           |
| EBS single channel module      | 432           |
| EBS two channel module         | 432           |
| ECAS path sensor               | 374           |
| ECAS solenoid valve            | 372, 373      |
| Electric motor                 | 513, 570      |
| Electrical ballast             | 516           |
| Engine radiator                | 124, 125      |
| Evaporator                     | 524           |
| Exhaust flap                   | 113           |
| Exhaust turbocharger           | 63            |
| Fan wheel                      | 132           |
| Four-circuit protection valve  | 418           |
| Front pipe                     | 95, 97        |
| Fuel filter                    | 149, 150      |
| Gas spring                     | 563           |
| Glass unit for main mirror     | 538           |
| Guide sealing set              | 489           |
| H7 main headlamp               | 168           |
| Hand brake valve               | 429, 430      |
| Hand feed pump                 | 67            |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Heat exchanger                                | 519                |
| Heater Motor                                  | 515                |
| Hydraulic filter                              | 155, 156           |
| Hydraulic motor                               | 133                |
| Impact corner                                 | 551                |
| Indicator light                               | 185, 191           |
| Indicator switch                              | 253                |
| Main mirror                                   | 538                |
| Oil filter                                    | 145                |
| Power-steering pump                           | 293                |
| Pressure control valve                        | 433                |
| Pressure pad set                              | 490                |
| Pressure wave switch                          | 567                |
| Quick-release valve                           | 445                |
| Repair kit for air dryer                      | 413                |
| Repair kit for fuel pump                      | 68                 |
| Repair kit Kingpin                            | 337                |
| Shaft sealing ring                            | 357                |
| Shock absorber                                | 392                |
| Side light/indicator lens for main headlights | 169                |
| Snatch lock                                   | 562                |
| Solenoid valve                                | 435                |
| Spoiler                                       | 551                |
| Stabiliser bearing section                    | 334                |
| Stabilizer mounting                           | 329                |
| Starter Motor                                 | 239                |
| Steering Track Rod                            | 272                |
| Surge tank                                    | 127                |
| Tailpipe                                      | 102                |
| Tapered roller bearing                        | 351                |
| Trailing arm                                  | 294, 295, 302, 308 |
| Washer fluid pump                             | 574                |
| Water pump                                    | 135                |
| Water trap                                    | 468                |
| Wheel bolt                                    | 360                |
| Wheel hub                                     | 348                |
| Wheel nut                                     | 363                |
| Wiper arm                                     | 579                |
| Wiper bearing                                 | 578                |
| Wiper blade                                   | 581                |
| Wiper motor                                   | 575                |
| Wiper rods                                    | 576                |
| Working cylinder                              | 114                |

#### MAN Lion's City NL (A21) [2004-]

|                                |                    |
|--------------------------------|--------------------|
| 2-way valve                    | 442                |
| ABS mini sensor                | 347                |
| Additional headlamp            | 178                |
| Air dryer                      | 406, 411           |
| Air filter                     | 152                |
| Air spring bellows             | 383                |
| Alternator                     | 245, 246           |
| Ball joint                     | 274, 275, 277, 278 |
| Blower                         | 513                |
| Blowoff valve                  | 420, 421           |
| Brake caliper                  | 480, 481, 482, 483 |
| Brake disc                     | 491, 492           |
| Brake pad set                  | 495, 496, 497      |
| Cabin filter/pollen filter     | 159                |
| Catch plate                    | 570                |
| Catchpin bracket               | 570                |
| Central/rear silencer          | 92                 |
| Charge air cooler              | 118                |
| Charge air hose                | 119                |
| Clamping piece                 | 107                |
| Combination brake cylinder     | 455, 461           |
| Complete mirror system         | 530                |
| Compressor                     | 400, 402           |
| Coolant thermostat             | 139                |
| Cover for mirror arm           | 530                |
| Deflection pulley/guide pulley | 9                  |

|                                                  |                    |                                            |                    |
|--------------------------------------------------|--------------------|--------------------------------------------|--------------------|
| Door bracket                                     | .569               | TORX® hexagon bolt for brake disc mounting | .495               |
| Door seal                                        | .569               | Trailing arm                               | 294, 295, 302, 308 |
| Drag-link                                        | .264               | Washer fluid pump                          | .574               |
| EBS axle modulator                               | .431               | Water pump                                 | 135, 136           |
| EBS two channel module                           | .432               | Water trap                                 | .468               |
| ECAS path sensor                                 | .374               | Wheel bolt                                 | .360               |
| ECAS solenoid valve                              | .373               | Wheel hub                                  | .348               |
| Electric motor                                   | .570               | Wheel nut                                  | .363               |
| Electrical ballast                               | .516               | Wiper arm                                  | .579               |
| Engine radiator                                  | 124, 125           | Wiper bearing                              | .578               |
| Evaporator                                       | .524               | Wiper blade                                | .581               |
| Exhaust flap                                     | .113               | Wiper motor                                | .575               |
| Exhaust pipe                                     | .100               | Working cylinder                           | .114               |
| Exhaust pipe clamp                               | .105               |                                            |                    |
| Exhaust turbocharger                             | .63                |                                            |                    |
| Fan wheel                                        | 131, 132           | <b>MAN Lion's City NL (A37) [2004-]</b>    |                    |
| Foot brake valve                                 | .428               | 2-way valve                                | .442               |
| Four-circuit protection valve                    | .415               | ABS mini sensor                            | .347               |
| Front pipe                                       | .95, 97            | Additional headlamp                        | .178               |
| Front trim                                       | .551               | Air dryer                                  | 406, 411, 413      |
| Fuel filter                                      | 147, 148, 149, 150 | Air filter                                 | .153               |
| Gas spring                                       | .563               | Air spring bellows                         | .383               |
| Glass unit for main mirror                       | 530, 538           | Alternator                                 | .245               |
| Glass unit suitable for wide angle mirror        | .530               | Axial fan                                  | .512               |
| H7 main headlamp                                 | .168               | Ball joint                                 | 274, 275, 277, 278 |
| Hand brake valve                                 | .429               | Blower                                     | .513               |
| Hand feed pump                                   | .67                | Blowoff valve                              | .421, 423          |
| Heat exchanger                                   | .519               | Brake caliper                              | 482, 483, 486, 487 |
| Heat protection panel                            | .109               | Brake disc                                 | .491, 492          |
| Heater Motor                                     | .513               | Brake pad set                              | 495, 496, 497      |
| Hose clip                                        | .122               | Cabin filter                               | .160               |
| Hydraulic filter                                 | .155, 156          | Cabin filter/pollen filter                 | .159               |
| Hydraulic motor                                  | .133               | Catch plate                                | .570               |
| Impact corner                                    | .551               | Catchpin bracket                           | .570               |
| Indicator light                                  | 191, 215           | Central/rear silencer                      | .92                |
| Indicator switch                                 | 251, 252, 253      | Charge air cooler                          | .118               |
| Kingpin kit                                      | .336               | Charge air hose                            | .119               |
| LED additional stop light                        | .208               | Clamping levers                            | .577               |
| Main mirror                                      | 536, 538           | Combination brake cylinder                 | 455, 461           |
| Membrane brake cylinder                          | .452               | Compressor                                 | .400               |
| Mirror glass                                     | .530               | Condenser                                  | .525               |
| Motor coach brake valve                          | .427               | Coolant thermostat                         | .139               |
| Mounting bracket, outside mirror for main mirror | .530               | Coupling rod                               | .328               |
| Oil filter                                       | 144, 145           | Deflection pulley/guide pulley             | .9                 |
| Particulate filter                               | .94                | Dehumidification valve                     | .467               |
| Power-steering pump                              | 290, 293           | Door bracket                               | .569               |
| Pressure control valve                           | .433               | Door seal                                  | .569               |
| Pressure switch                                  | .566               | Door sensor                                | .568               |
| Pressure wave switch                             | .567               | Drag-link                                  | .264               |
| Quick-release valve                              | .445               | Dryer                                      | .522               |
| Radiator fan coupling                            | .133               | EBS axle modulator                         | .431               |
| Relay valve                                      | 439, 440           | ECAS path sensor                           | .374               |
| Repair kit for brake calipers                    | .488               | ECAS solenoid valve                        | .373               |
| Repair kit for priming pump                      | .67                | Electric motor                             | .570               |
| Repair kit Kingpin                               | .337               | Electrical ballast                         | .516               |
| Reversing light                                  | .210               | Engine radiator                            | .124               |
| Shaft sealing ring                               | 357, 358           | Evaporator                                 | .524               |
| Shock absorber                                   | .392               | Exhaust pipe clamp                         | .105               |
| Side light/indicator lens for main headlights    | .169               | Exhaust-manifold gasket                    | .111               |
| Snatch lock                                      | .562               | Fan hub                                    | .133               |
| Solenoid valve                                   | 435, 436           | Fan wheel                                  | 131, 132           |
| Speed sensor                                     | .345               | Fastening set for wiper bearing            | .579               |
| Spoiler                                          | .551               | Foot brake valve                           | .428               |
| Stabiliser bearing section                       | .334               | Four-circuit protection valve              | .418               |
| Starter Motor                                    | 231, 239           | Front pipe                                 | .96                |
| Steering damper                                  | .286               | Front trim                                 | .551               |
| Steering Track Rod                               | .272               | Fuel filter                                | 147, 148, 149      |
| Surge tank                                       | .127               | Gas spring                                 | .563               |
| Tailpipe                                         | .102               | Glass unit for main mirror                 | .538               |
| Tapered roller bearing                           | .351               | Guide sealing set                          | .489               |
| Tightening strap                                 | .109               | H7 main headlamp                           | .168               |
|                                                  |                    | Hand brake valve                           | 429, 430           |

|                                               |                         |                                               |               |
|-----------------------------------------------|-------------------------|-----------------------------------------------|---------------|
| Heat exchanger                                | 519                     | Coupling rod                                  | 328           |
| Heater Motor                                  | 515                     | Deflection pulley/guide pulley                | 9             |
| Hose clip                                     | 120                     | Door seal                                     | 569           |
| Hydraulic filter                              | 155, 156                | Dryer                                         | 522           |
| Hydraulic motor                               | 133                     | EBS axle modulator                            | 431           |
| Impact corner                                 | 551                     | ECAS path sensor                              | 374           |
| Indicator light                               | 185, 191                | ECAS solenoid valve                           | 373           |
| Indicator switch                              | 251, 253                | Electric motor                                | 570           |
| Main mirror                                   | 538                     | Electrical ballast                            | 516           |
| Membrane brake cylinder                       | 452                     | Engine radiator                               | 124           |
| Mirror glass                                  | 544                     | Evaporator                                    | 524           |
| Oil filter                                    | 144                     | Exhaust pipe clamp                            | 105           |
| Poly-V belt tensioner                         | 8                       | Fan wheel                                     | 131, 132      |
| Power-steering pump                           | 287                     | Foot brake valve                              | 428           |
| Pressure control valve                        | 433                     | Four-circuit protection valve                 | 418           |
| Pressure pad set                              | 490                     | Front pipe                                    | 96            |
| Pressure wave switch                          | 567                     | Front trim                                    | 551           |
| Relay valve                                   | 439                     | Fuel filter                                   | 147, 148, 149 |
| Repair kit for brake calipers                 | 488                     | Gas spring                                    | 563           |
| Repair kit for fuel pump                      | 68                      | Glass unit for main mirror                    | 538           |
| Repair kit Kingpin                            | 337                     | Guide sealing set                             | 489           |
| Shaft sealing ring                            | 357, 358                | Hand brake valve                              | 429, 430      |
| Shock absorber                                | 392, 393                | Heat exchanger                                | 519           |
| Side light/indicator lens for main headlights | 169                     | Heater Motor                                  | 515           |
| Silencer                                      | 93                      | Hydraulic filter                              | 155           |
| Snatch lock                                   | 562                     | Impact corner                                 | 551           |
| Solenoid valve                                | 435, 436, 567           | Indicator light                               | 185, 191, 215 |
| Spoiler                                       | 551                     | Indicator switch                              | 253           |
| Stabiliser bearing section                    | 334                     | Main mirror                                   | 538           |
| Stabilizer mounting                           | 329                     | Membrane brake cylinder                       | 452           |
| Starter Motor                                 | 234, 240                | Mirror glass                                  | 544           |
| Steering damper                               | 286                     | Oil filter                                    | 144           |
| Steering Track Rod                            | 272                     | Poly-V belt tensioner                         | 8             |
| Surge tank                                    | 127                     | Power-steering pump                           | 287           |
| Tapered roller bearing                        | 351                     | Pressure control valve                        | 433           |
| Tension roller                                | 7                       | Pressure pad set                              | 490           |
| TORX® hexagon bolt for brake disc mounting    | 495                     | Rear fog lamp                                 | 211           |
| Trailing arm                                  | 294, 295, 298, 302, 308 | Rear light                                    | 203           |
| Washer fluid pump                             | 574                     | Relay valve                                   | 439           |
| Water pump                                    | 136                     | Repair kit for fuel pump                      | 68            |
| Water pump seal                               | 137                     | Repair kit Kingpin                            | 337           |
| Water trap                                    | 468                     | Reversing light                               | 210           |
| Wheel bolt                                    | 360                     | Shaft sealing ring                            | 357           |
| Wheel hub                                     | 348                     | Shock absorber                                | 392, 393      |
| Wheel nut                                     | 363                     | Side light/indicator lens for main headlights | 169           |
| Wiper arm                                     | 579                     | Silencer                                      | 93            |
| Wiper bearing                                 | 578                     | Snatch lock                                   | 562           |
| Wiper blade                                   | 581                     | Solenoid valve                                | 436, 567      |
| Wiper motor                                   | 575                     | Spoiler                                       | 551           |
| Wiper rods                                    | 576                     | Stabiliser bearing section                    | 334           |
| Working cylinder                              | 114                     | Stabilizer mounting                           | 329           |
| <b>MAN Lion's City NL (A47) [2004-]</b>       |                         |                                               |               |
| 2-way valve                                   | 442                     | Starter Motor                                 | 240           |
| Air dryer                                     | 406, 411, 413           | Steering damper                               | 286           |
| Air spring bellows                            | 383, 385                | Steering Track Rod                            | 272           |
| Alternator                                    | 245                     | Surge tank                                    | 127           |
| Axial fan                                     | 512                     | Tapered roller bearing                        | 351           |
| Ball joint                                    | 278                     | Tension roller                                | 7             |
| Blower                                        | 513                     | Trailing arm                                  | 298, 302, 308 |
| Blowoff valve                                 | 421, 423                | Washer fluid pump                             | 574           |
| Brake caliper                                 | 486, 487                | Water pump                                    | 136           |
| Brake disc                                    | 491, 492, 493           | Water pump seal                               | 137           |
| Brake pad set                                 | 497                     | Wheel bolt                                    | 360           |
| Cabin filter                                  | 160                     | Wheel hub                                     | 348           |
| Catchpin bracket                              | 570                     | Wiper arm                                     | 579           |
| Charge air cooler                             | 118                     | Wiper bearing                                 | 578           |
| Charge air hose                               | 119                     | Wiper blade                                   | 581, 582      |
| Combination brake cylinder                    | 461                     | Wiper motor                                   | 575           |
| Compressor                                    | 400                     | Wiper rods                                    | 576           |
| Condenser                                     | 525                     | Working cylinder                              | 114           |

**MAN Lion's City NÜ (A20) [2004-]**

|                                |                              |
|--------------------------------|------------------------------|
| ABS mini sensor                | 347                          |
| Additional headlamp            | 178                          |
| Air dryer                      | 406, 411, 413                |
| Air filter                     | 152                          |
| Air spring bellows             | 383                          |
| Alternator                     | 243, 245                     |
| Attachment screw for flywheel  | 75                           |
| Ball joint                     | 274, 277, 278                |
| Blower                         | 513                          |
| Blowoff valve                  | 421                          |
| Bracket for silencer           | 109                          |
| Brake caliper                  | 480, 481, 482, 483, 486, 487 |
| Brake disc                     | 491, 492                     |
| Brake pad set                  | 495, 496, 497                |
| Cabin filter                   | 160                          |
| Cabin filter/pollen filter     | 159                          |
| Catch plate                    | 570                          |
| Catchpin bracket               | 570                          |
| Central/rear silencer          | 92                           |
| Charge air cooler              | 118                          |
| Charge air hose                | 119                          |
| Clamping piece                 | 107                          |
| Combination brake cylinder     | 455, 461                     |
| Compressor                     | 400, 402                     |
| Coolant thermostat             | 139                          |
| Deflection pulley/guide pulley | 9                            |
| Door bracket                   | 569                          |
| Door seal                      | 569                          |
| Drag-link                      | 264                          |
| EBS foot brake module          | 429                          |
| EBS single channel module      | 432                          |
| EBS two channel module         | 432                          |
| ECAS path sensor               | 374                          |
| ECAS solenoid valve            | 372, 373                     |
| Electric motor                 | 570                          |
| Electrical ballast             | 516                          |
| Engine radiator                | 124, 125                     |
| Evaporator                     | 524                          |
| Exhaust flap                   | 113                          |
| Exhaust pipe                   | 100                          |
| Exhaust turbocharger           | 63                           |
| Fan wheel                      | 132                          |
| Foot brake valve               | 428                          |
| Four-circuit protection valve  | 415, 418                     |
| Front pipe                     | 97                           |
| Fuel filter                    | 147, 148, 149, 150           |
| Gas spring                     | 562, 563                     |
| Glass unit for main mirror     | 538                          |
| Guide bearing                  | 77                           |
| H7 main headlamp               | 168                          |
| Hand brake valve               | 429                          |
| Hand feed pump                 | 67                           |
| Heat exchanger                 | 519                          |
| Heat protection panel          | 109                          |
| Heater Motor                   | 513, 515                     |
| Hydraulic filter               | 155, 156                     |
| Hydraulic motor                | 133                          |
| Impact corner                  | 551                          |
| Indicator light                | 191, 215                     |
| Indicator switch               | 252, 253                     |
| LED side marker light          | 195                          |
| Main mirror                    | 538                          |
| Membrane brake cylinder        | 452                          |
| Oil filter                     | 144, 145                     |
| Particulate filter             | 94                           |
| Power-steering pump            | 290, 293                     |
| Pressure wave switch           | 567                          |
| Relay valve                    | 439, 440                     |
| Repair kit for brake calipers  | 488                          |
| Repair kit for fuel pump       | 68                           |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Repair kit Kingpin                            | 337                |
| Reversing light                               | 210                |
| Shaft sealing ring                            | 357, 358           |
| Shock absorber                                | 392                |
| Side light/indicator lens for main headlights | 169                |
| Solenoid valve                                | 435                |
| Speed sensor                                  | 345                |
| Spoiler                                       | 551                |
| Stabiliser bearing section                    | 334                |
| Stabilizer mounting                           | 329                |
| Starter Motor                                 | 231, 239           |
| Steering damper                               | 286                |
| Steering Track Rod                            | 272                |
| Surge tank                                    | 127                |
| Tailpipe                                      | 102                |
| Tapered roller bearing                        | 351                |
| Tightening strap                              | 109                |
| TORX® hexagon bolt for brake disc mounting    | 495                |
| Trailing arm                                  | 294, 295, 302, 308 |
| Washer fluid pump                             | 574                |
| Water pump                                    | 135                |
| Water trap                                    | 468                |
| Wheel bolt                                    | 360                |
| Wheel hub                                     | 348                |
| Wheel nut                                     | 363                |
| Wiper blade                                   | 581                |
| Wiper motor                                   | 575                |
| Wiper rods                                    | 576                |

**MAN Lion's Classic Ü (A72)**

|                                 |                    |
|---------------------------------|--------------------|
| 2-way valve                     | 442                |
| Additional headlamp             | 178                |
| Air dryer                       | 405, 411, 413      |
| Air filter                      | 153                |
| Air spring bellows              | 383                |
| Air spring valve                | 375                |
| Alternator                      | 246, 247           |
| Attachment screw for brake disc | 494                |
| Attachment screw for flywheel   | 75                 |
| Ball joint                      | 274, 275, 277, 282 |
| Blowoff valve                   | 420, 421, 422      |
| Brake caliper                   | 483                |
| Brake disc                      | 491, 492           |
| Brake pad set                   | 495                |
| Bumper                          | 550                |
| Central/rear silencer           | 92                 |
| Charge air cooler               | 118                |
| Charge air hose                 | 119                |
| Clutch master cylinder          | 84                 |
| Clutch plate                    | 80, 81             |
| Clutch releaser                 | 83                 |
| Clutch servo                    | 87                 |
| Combination brake cylinder      | 456                |
| Compressor                      | 398, 402           |
| Coolant thermostat              | 139                |
| Coupling pressure plate         | 80                 |
| Drag-link                       | 266, 267           |
| EBS control module              | 432                |
| Engine radiator                 | 125                |
| Exhaust pipe                    | 100                |
| Exhaust pipe clamp              | 105                |
| Fan wheel                       | 131                |
| Flywheel                        | 73, 74             |
| Foot brake valve                | 428                |
| Four-circuit protection valve   | 416                |
| Front pipe                      | 97                 |
| Fuel filter                     | 147, 149           |
| Guide bearing                   | 76, 77             |
| H7 main headlamp                | 168                |
| Hand brake valve                | 429, 430           |
| Hand feed pump                  | 67                 |

|                                                         |                    |                                                         |               |
|---------------------------------------------------------|--------------------|---------------------------------------------------------|---------------|
| Heater Motor . . . . .                                  | 515                | Clutch releaser . . . . .                               | 83            |
| Hose clip . . . . .                                     | 120, 122           | Clutch servo . . . . .                                  | 87            |
| Hydraulic filter . . . . .                              | 155, 156           | Combination brake cylinder . . . . .                    | 461           |
| Hydraulic motor . . . . .                               | 133                | Complete mirror system . . . . .                        | 531           |
| Indicator light . . . . .                               | 185, 192           | Compressor . . . . .                                    | 399, 402      |
| Indicator switch . . . . .                              | 252                | Condenser . . . . .                                     | 525           |
| Kingpin kit . . . . .                                   | 336                | Coolant thermostat . . . . .                            | 139           |
| Main mirror . . . . .                                   | 538                | Coupling pressure plate . . . . .                       | 78            |
| Membrane brake cylinder . . . . .                       | 450                | Cover cap . . . . .                                     | 533           |
| Oil filter . . . . .                                    | 144, 145           | Deflection pulley/guide pulley . . . . .                | 9             |
| Pipe clip . . . . .                                     | 108                | Dehumidification valve . . . . .                        | 467           |
| Power-steering pump . . . . .                           | 287, 290           | Drag-link . . . . .                                     | 265, 267      |
| Pressure control valve . . . . .                        | 434                | Dryer . . . . .                                         | 522           |
| Quick-release valve . . . . .                           | 445                | EBS axle modulator . . . . .                            | 431           |
| Radiator fan . . . . .                                  | 130                | EBS foot brake module . . . . .                         | 429           |
| Relay valve . . . . .                                   | 439, 440           | EBS single channel module . . . . .                     | 432           |
| Release fork . . . . .                                  | 84                 | EBS two channel module . . . . .                        | 432           |
| Repair kit for brake calipers . . . . .                 | 488                | ECAS path sensor . . . . .                              | 374           |
| Shock absorber . . . . .                                | 393, 394           | ECAS solenoid valve . . . . .                           | 373           |
| Side light/indicator lens for main headlights . . . . . | 169                | Engine radiator . . . . .                               | 124, 125      |
| Solenoid valve . . . . .                                | 435                | Evaporator . . . . .                                    | 524           |
| Speed sensor . . . . .                                  | 345                | Exhaust pipe . . . . .                                  | 100           |
| Starter Motor . . . . .                                 | 231                | Exhaust pipe clamp . . . . .                            | 105, 106      |
| Steering Track Rod . . . . .                            | 269                | Fan wheel . . . . .                                     | 131           |
| Surge tank . . . . .                                    | 128                | Flywheel . . . . .                                      | 73, 74        |
| Tailpipe . . . . .                                      | 102                | Foot brake valve . . . . .                              | 428           |
| Tapered roller bearing . . . . .                        | 351                | Four-circuit protection valve . . . . .                 | 418           |
| Thermostat seal . . . . .                               | 141                | Front pipe . . . . .                                    | 95            |
| Thermostat sealing ring . . . . .                       | 141                | Fuel filter . . . . .                                   | 147, 148, 149 |
| Tightening strap . . . . .                              | 109                | Gas spring . . . . .                                    | 562, 563      |
| TORX® hexagon bolt for brake disc mounting . . . . .    | 495                | Glass unit for approach mirror . . . . .                | 531           |
| Trailing arm . . . . .                                  | 305, 307           | Glass unit for main mirror . . . . .                    | 531, 538      |
| Washer fluid pump . . . . .                             | 574                | Glass unit suitable for wide angle mirror . . . . .     | 531           |
| Water pump . . . . .                                    | 135                | Guide bearing . . . . .                                 | 77            |
| Water pump seal . . . . .                               | 137, 138           | Guide sealing set . . . . .                             | 489           |
| Water trap . . . . .                                    | 468                | Hand brake valve . . . . .                              | 429, 430      |
| Wheel bolt . . . . .                                    | 360                | Hand feed pump . . . . .                                | 67            |
| Wheel hub . . . . .                                     | 348                | Heat exchanger . . . . .                                | 519           |
| Wheel nut . . . . .                                     | 363                | Heater Motor . . . . .                                  | 514, 515      |
| Wiper arm . . . . .                                     | 579                | Hose clip . . . . .                                     | 120           |
| Wiper bearing . . . . .                                 | 578                | Hydraulic filter . . . . .                              | 155, 156, 157 |
| Wiper blade . . . . .                                   | 581                | Hydraulic motor . . . . .                               | 133           |
| Wiper motor . . . . .                                   | 575                | Indicator light . . . . .                               | 191           |
| Wiper rods . . . . .                                    | 576                | Indicator switch . . . . .                              | 251           |
| Working cylinder . . . . .                              | 114                | LED position light . . . . .                            | 190           |
| <b>MAN Lion's Coach (R07)</b>                           |                    | Main mirror . . . . .                                   | 539           |
| 2-way valve . . . . .                                   | 442                | Membrane brake cylinder . . . . .                       | 452           |
| Additional headlamp . . . . .                           | 178, 179           | Muffler . . . . .                                       | 447           |
| Adjuster cap set . . . . .                              | 490                | Oil cooler . . . . .                                    | 64            |
| Air dryer . . . . .                                     | 406, 411, 413      | Oil filter . . . . .                                    | 144, 145      |
| Air spring bellows . . . . .                            | 383                | Oil separator . . . . .                                 | 65            |
| Air-conditioning compressor . . . . .                   | 521                | Poly-V belt tensioner . . . . .                         | 8             |
| Alternator . . . . .                                    | 242, 245, 246, 247 | Power-steering pump . . . . .                           | 290, 293      |
| Attachment screw for flywheel . . . . .                 | 75                 | Pressure pad set . . . . .                              | 490           |
| Axial fan . . . . .                                     | 512                | Refrigerant collector . . . . .                         | 523           |
| Ball joint . . . . .                                    | 274, 275           | Relay valve . . . . .                                   | 439           |
| Blowoff valve . . . . .                                 | 421, 423           | Release fork . . . . .                                  | 84            |
| Brake caliper . . . . .                                 | 486                | Repair kit for priming pump . . . . .                   | 67            |
| Brake disc . . . . .                                    | 491, 492           | Repair kit for release bearing . . . . .                | 83            |
| Brake pad sensor . . . . .                              | 500                | Repair kit Kingpin . . . . .                            | 337           |
| Brake pad set . . . . .                                 | 495, 496, 497      | Shaft sealing ring . . . . .                            | 357, 358      |
| Cabin filter . . . . .                                  | 160                | Shock absorber . . . . .                                | 393, 395      |
| Cabin filter/pollen filter . . . . .                    | 158, 159           | Side light/indicator lens for main headlights . . . . . | 169           |
| Central/rear silencer . . . . .                         | 92                 | Silencer . . . . .                                      | 93            |
| Charge air cooler . . . . .                             | 118                | Snatch lock . . . . .                                   | 562           |
| Charge air hose . . . . .                               | 119                | Solenoid valve . . . . .                                | 435, 436, 567 |
| Clamping collar . . . . .                               | 106                | Speed sensor . . . . .                                  | 342           |
| Clutch actuator . . . . .                               | 86                 | Stabilizer mounting . . . . .                           | 329, 330      |
| Clutch master cylinder . . . . .                        | 85                 | Starter Motor . . . . .                                 | 231           |
| Clutch plate . . . . .                                  | 81                 | Steering Track Rod . . . . .                            | 272           |
|                                                         |                    | Surge tank . . . . .                                    | 127           |



|                                            |          |
|--------------------------------------------|----------|
| Tailpipe                                   | 102      |
| Tapered roller bearing                     | 351      |
| TORX® hexagon bolt for brake disc mounting | 495      |
| Trailing arm                               | 294, 302 |
| Transverse link                            | 317, 319 |
| Washer fluid pump                          | 574      |
| Water pump                                 | 136, 137 |
| Water pump seal                            | 137      |
| Water trap                                 | 468      |
| Wheel bolt                                 | 360      |
| Wheel hub                                  | 348      |
| Wheel nut                                  | 363      |
| Wiper arm                                  | 580      |
| Wiper bearing                              | 578      |
| Wiper blade                                | 581      |
| Wiper motor                                | 575      |
| Wiper rods                                 | 576      |
| Working cylinder                           | 114      |

### MAN Lion's Coach (R08)

|                                |                         |
|--------------------------------|-------------------------|
| 2-way valve                    | 442                     |
| 'A' frame                      | 314                     |
| Additional headlamp            | 178, 179                |
| Adjuster cap set               | 490                     |
| Air dryer                      | 405, 406, 410, 411, 413 |
| Air spring bellows             | 383                     |
| Air-conditioning compressor    | 521                     |
| Alternator                     | 242, 245, 247           |
| Attachment screw for flywheel  | 75                      |
| Ball joint                     | 274, 275, 277           |
| Blowoff valve                  | 422, 423                |
| Brake caliper                  | 486                     |
| Brake disc                     | 491, 492                |
| Brake pad sensor               | 500                     |
| Brake pad set                  | 495, 496, 497           |
| Cabin filter                   | 160                     |
| Cabin filter/pollen filter     | 158                     |
| Charge air hose                | 119                     |
| Clutch actuator                | 86                      |
| Clutch plate                   | 81                      |
| Clutch releaser                | 83                      |
| Combination brake cylinder     | 458, 461                |
| Complete mirror system         | 531                     |
| Compressor                     | 399                     |
| Coolant thermostat             | 139                     |
| Coupling pressure plate        | 78, 80                  |
| Cover cap                      | 533                     |
| Deflection pulley/guide pulley | 9, 10                   |
| Drag-link                      | 265                     |
| EBS axle modulator             | 431                     |
| ECAS path sensor               | 374                     |
| ECAS solenoid valve            | 372, 373                |
| Engine radiator                | 125                     |
| Exhaust pipe clamp             | 105, 106                |
| Flywheel                       | 74                      |
| Foot brake valve               | 428                     |
| Four-circuit protection valve  | 418                     |
| Front pipe                     | 95                      |
| Fuel filter                    | 147, 148, 149           |
| Glass unit for main mirror     | 531, 538                |
| Guide bearing                  | 77                      |
| Guide sealing set              | 489                     |
| Hand brake valve               | 429, 430                |
| Hand feed pump                 | 67                      |
| Heat exchanger                 | 519                     |
| Heater Motor                   | 514, 515                |
| Hose clip                      | 120                     |
| Hydraulic filter               | 155, 156                |
| Hydraulic motor                | 133                     |
| Indicator light                | 191                     |
| Indicator switch               | 251, 252                |

|                                               |                    |
|-----------------------------------------------|--------------------|
| LED additional stop light                     | 208                |
| Main mirror                                   | 539                |
| Membrane brake cylinder                       | 452                |
| Muffler                                       | 447                |
| Oil cooler                                    | 64                 |
| Oil filter                                    | 144, 145           |
| Poly-V belt tensioner                         | 8                  |
| Power-steering pump                           | 293                |
| Pressure control valve                        | 433                |
| Pressure pad set                              | 490                |
| Radiator fan                                  | 131                |
| Rapid bleeder valve                           | 446                |
| Relay valve                                   | 439                |
| Release fork                                  | 84                 |
| Repair kit for fuel pump                      | 68                 |
| Repair kit for release bearing                | 83                 |
| Repair kit Kingpin                            | 337                |
| Shaft sealing ring                            | 357, 358           |
| Shock absorber                                | 393, 395           |
| Side light/indicator lens for main headlights | 169                |
| Silencer                                      | 93                 |
| Snatch lock                                   | 562                |
| Solenoid valve                                | 435, 436, 567      |
| Speed sensor                                  | 342                |
| Stabilizer mounting                           | 329, 330           |
| Steering Track Rod                            | 268, 272           |
| Surge tank                                    | 127                |
| Tapered roller bearing                        | 351                |
| Tension roller                                | 7                  |
| TORX® hexagon bolt for brake disc mounting    | 495                |
| Trailing arm                                  | 294, 298, 302, 306 |
| Transverse link                               | 317, 319           |
| Washer fluid pump                             | 574                |
| Water pump                                    | 137                |
| Wheel bolt                                    | 360                |
| Wheel hub                                     | 348                |
| Wheel nut                                     | 363                |
| Wiper arm                                     | 580                |
| Wiper bearing                                 | 578                |
| Wiper blade                                   | 581                |
| Wiper motor                                   | 575                |
| Wiper rods                                    | 576                |

### MAN Lion's Regio (R12)

|                                |               |
|--------------------------------|---------------|
| Additional headlamp            | 178, 179      |
| Air dryer                      | 406, 411, 413 |
| Air spring bellows             | 383           |
| Air-conditioning compressor    | 521           |
| Alternator                     | 241, 245, 246 |
| Axial fan                      | 512           |
| Ball joint                     | 274, 275      |
| Blowoff valve                  | 421, 423      |
| Brake caliper                  | 486           |
| Brake disc                     | 491, 492      |
| Brake pad set                  | 497           |
| Cabin filter/pollen filter     | 158, 159      |
| Charge air cooler              | 118           |
| Clutch actuator                | 86            |
| Clutch plate                   | 81            |
| Combination brake cylinder     | 461           |
| Complete mirror system         | 531           |
| Compressor                     | 399, 400      |
| Condenser                      | 525           |
| Coolant thermostat             | 139           |
| Coupling pressure plate        | 78            |
| Cover cap                      | 533           |
| Deflection pulley/guide pulley | 9             |
| Drag-link                      | 267           |
| Dryer                          | 522           |
| EBS axle modulator             | 431           |
| ECAS path sensor               | 374           |

|                                               |               |                                               |                         |
|-----------------------------------------------|---------------|-----------------------------------------------|-------------------------|
| ECAS solenoid valve                           | 373           | Ball joint                                    | 274, 275                |
| Engine radiator                               | 124           | Blowoff valve                                 | 421                     |
| Evaporator                                    | 524           | Brake caliper                                 | 486                     |
| Exhaust flap                                  | 113           | Brake disc                                    | 491, 492                |
| Fan wheel                                     | 131           | Brake pad set                                 | 497                     |
| Flywheel                                      | 73, 74        | Cabin filter/pollen filter                    | 158                     |
| Foot brake valve                              | 428           | Charge air cooler                             | 118                     |
| Four-circuit protection valve                 | 418           | Charge air hose                               | 119                     |
| Fuel filter                                   | 147, 148, 149 | Clutch master cylinder                        | 85                      |
| Gas spring                                    | 563           | Clutch releaser                               | 83                      |
| Glass unit for approach mirror                | 531           | Clutch servo                                  | 87                      |
| Glass unit for main mirror                    | 531, 538      | Combination brake cylinder                    | 458, 461                |
| Glass unit suitable for wide angle mirror     | 531           | Complete mirror system                        | 531                     |
| Guide bearing                                 | 77            | Compressor                                    | 400                     |
| Guide sealing set                             | 489           | Coolant thermostat                            | 139                     |
| H7 main headlamp                              | 168           | Cover cap                                     | 533                     |
| Hand brake valve                              | 429, 430      | Deflection pulley/guide pulley                | 9, 10                   |
| Heater Motor                                  | 515           | Drag-link                                     | 267                     |
| Hydraulic filter                              | 155, 156      | EBS axle modulator                            | 431                     |
| Indicator light                               | 191, 192      | ECAS path sensor                              | 374                     |
| Indicator switch                              | 251, 252, 253 | ECAS solenoid valve                           | 372, 373                |
| LED side marker light                         | 195           | Engine radiator                               | 124                     |
| Main mirror                                   | 539           | Evaporator                                    | 524                     |
| Membrane brake cylinder                       | 452           | Flywheel                                      | 73                      |
| Oil cooler                                    | 64            | Foot brake valve                              | 428                     |
| Oil filter                                    | 144, 145      | Four-circuit protection valve                 | 418                     |
| Poly-V belt tensioner                         | 8             | Front pipe                                    | 95                      |
| Power-steering pump                           | 290, 293      | Fuel filter                                   | 147, 148, 149           |
| Pressure control valve                        | 433           | Glass unit for main mirror                    | 531, 538                |
| Pressure pad set                              | 490           | Guide bearing                                 | 77                      |
| Relay valve                                   | 439           | Guide sealing set                             | 489                     |
| Release fork                                  | 84            | H7 main headlamp                              | 168                     |
| Repair kit for priming pump                   | 67            | Hand brake valve                              | 429, 430                |
| Repair kit for release bearing                | 83            | Hand feed pump                                | 67                      |
| Repair kit Kingpin                            | 337           | Heat exchanger                                | 519                     |
| Shaft sealing ring                            | 357, 358      | Heater Motor                                  | 514, 515                |
| Shock absorber                                | 393, 395      | Hose clip                                     | 120                     |
| Side light/indicator lens for main headlights | 169           | Hydraulic filter                              | 155, 156                |
| Silencer                                      | 93, 94        | Indicator light                               | 191, 192                |
| Snatch lock                                   | 562           | Indicator switch                              | 251, 252                |
| Solenoid valve                                | 435           | LED side marker light                         | 195                     |
| Stabilizer mounting                           | 329, 330      | Main mirror                                   | 539                     |
| Starter Motor                                 | 231, 239      | Membrane brake cylinder                       | 452                     |
| Steering Track Rod                            | 272           | Muffler                                       | 448                     |
| Surge tank                                    | 127           | Oil cooler                                    | 64                      |
| Tapered roller bearing                        | 351           | Oil filter                                    | 145                     |
| TORX® hexagon bolt for brake disc mounting    | 495           | Poly-V belt tensioner                         | 8                       |
| Trailing arm                                  | 294, 301, 302 | Power-steering pump                           | 293                     |
| Transverse link                               | 317           | Pressure control valve                        | 433                     |
| Washer fluid pump                             | 574           | Pressure pad set                              | 490                     |
| Water pump                                    | 135, 136      | Radiator fan coupling                         | 133                     |
| Water pump seal                               | 137           | Rapid bleeder valve                           | 446                     |
| Water trap                                    | 468           | Relay valve                                   | 439                     |
| Wheel bolt                                    | 360           | Release fork                                  | 84                      |
| Wheel hub                                     | 348           | Repair kit for fuel pump                      | 68                      |
| Wheel nut                                     | 363           | Repair kit Kingpin                            | 337                     |
| Wiper arm                                     | 580           | Shaft sealing ring                            | 357, 358                |
| Wiper bearing                                 | 578           | Shock absorber                                | 393, 395                |
| Wiper blade                                   | 581           | Side light/indicator lens for main headlights | 169                     |
| Wiper motor                                   | 575           | Silencer                                      | 93, 94                  |
| Wiper rods                                    | 576           | Snatch lock                                   | 562                     |
|                                               |               | Solenoid valve                                | 435                     |
|                                               |               | Speed sensor                                  | 342                     |
|                                               |               | Stabilizer mounting                           | 329, 330                |
|                                               |               | Starter Motor                                 | 239                     |
|                                               |               | Steering Track Rod                            | 268, 272                |
|                                               |               | Surge tank                                    | 127                     |
|                                               |               | Tapered roller bearing                        | 351                     |
|                                               |               | TORX® hexagon bolt for brake disc mounting    | 495                     |
|                                               |               | Trailing arm                                  | 294, 298, 301, 302, 306 |
|                                               |               | Transverse link                               | 317, 319                |
| <b>MAN Lion's Regio (R13)</b>                 |               |                                               |                         |
| 'A' frame                                     | 314           |                                               |                         |
| Additional headlamp                           | 178, 179      |                                               |                         |
| Air dryer                                     | 406, 411, 413 |                                               |                         |
| Air spring bellows                            | 383           |                                               |                         |
| Alternator                                    | 245, 246      |                                               |                         |
| Attachment screw for flywheel                 | 75            |                                               |                         |
| Axial fan                                     | 512           |                                               |                         |
| Axle joint                                    | 285           |                                               |                         |

|                   |     |
|-------------------|-----|
| Washer fluid pump | 574 |
| Water pump        | 135 |
| Water trap        | 468 |
| Wheel bolt        | 360 |
| Wheel hub         | 348 |
| Wheel nut         | 363 |
| Wiper arm         | 580 |
| Wiper bearing     | 578 |
| Wiper blade       | 581 |
| Wiper motor       | 575 |
| Wiper rods        | 576 |

#### MAN Lion's Star (R02)

|                                               |                    |
|-----------------------------------------------|--------------------|
| Additional headlamp                           | 178                |
| Air dryer                                     | 406, 410           |
| Air filter                                    | 152                |
| Air spring bellows                            | 383                |
| Alternator                                    | 242, 245, 246, 247 |
| Brake disc                                    | 491                |
| Brake pad sensor                              | 500                |
| Brake pad set                                 | 495                |
| Cabin filter                                  | 159                |
| Drag-link                                     | 267                |
| ECAS path sensor                              | 374                |
| Exhaust pipe gasket                           | 112                |
| Fuel filter                                   | 147                |
| Glass unit for approach mirror                | 531                |
| Glass unit suitable for wide angle mirror     | 531                |
| H1 main headlamp                              | 167                |
| H7 main headlamp                              | 168                |
| Hydraulic filter                              | 156                |
| Hydraulic motor                               | 133                |
| Indicator                                     | 253                |
| Main mirror                                   | 539                |
| Membrane brake cylinder                       | 450                |
| Muffler                                       | 447                |
| Relay valve                                   | 439                |
| Shock absorber                                | 393                |
| Side light/indicator lens for main headlights | 169                |
| Solenoid valve                                | 567                |
| Trailing arm                                  | 294                |
| Transverse link                               | 319                |
| Water pump                                    | 136                |
| Water pump seal                               | 138                |
| Water trap                                    | 468                |

#### MAN Lion's Star (R03)

|                                               |                    |
|-----------------------------------------------|--------------------|
| Additional headlamp                           | 178                |
| Air dryer                                     | 406, 410           |
| Air spring bellows                            | 383                |
| Alternator                                    | 242, 245, 246, 247 |
| Brake disc                                    | 491                |
| Brake pad sensor                              | 500                |
| Brake pad set                                 | 495                |
| Drag-link                                     | 267                |
| ECAS path sensor                              | 374                |
| ECAS solenoid valve                           | 372                |
| Exhaust pipe gasket                           | 112                |
| Fuel filter                                   | 147                |
| H1 main headlamp                              | 167                |
| H7 main headlamp                              | 168                |
| Hydraulic filter                              | 156                |
| Hydraulic motor                               | 133                |
| Indicator                                     | 253                |
| Main mirror                                   | 539                |
| Membrane brake cylinder                       | 450                |
| Muffler                                       | 447                |
| Relay valve                                   | 439                |
| Shock absorber                                | 393                |
| Side light/indicator lens for main headlights | 169                |
| Solenoid valve                                | 567                |

|                 |     |
|-----------------|-----|
| Trailing arm    | 294 |
| Transverse link | 319 |
| Water pump seal | 138 |
| Water trap      | 468 |

#### MAN EL (A12)

|                                 |               |
|---------------------------------|---------------|
| Air dryer                       | 405, 410, 411 |
| Air filter                      | 152           |
| Air spring bellows              | 383           |
| Alternator                      | 247           |
| Axle nut                        | 359           |
| Ball joint                      | 273, 278      |
| Ballast                         | 230           |
| Bearing bush for brake shoe pin | 503           |
| Blowoff valve                   | 420, 422      |
| Brake camshaft                  | 507           |
| Brake lining set                | 505           |
| Brake pad sensor                | 500, 506      |
| Brake pad set                   | 497           |
| Brake shoe pin                  | 503           |
| Bumper                          | 549           |
| Bus driver's seat               | 583           |
| Central/rear silencer           | 92            |
| Charge air cooler               | 118           |
| Clamping levers                 | 577           |
| Clamping piece                  | 107           |
| Clamping sleeve for ABS sensor  | 343           |
| Clutch releaser                 | 83            |
| Compressor                      | 399, 400, 402 |
| Coolant sensor                  | 126           |
| Coolant thermostat              | 140           |
| Cover lid                       | 128, 129      |
| Cup strap                       | 108           |
| Door bracket                    | 569           |
| Door cylinder                   | 568           |
| Drag-link                       | 264           |
| ECAS path sensor                | 374           |
| Exhaust pipe clamp              | 105, 106      |
| Exhaust pipe gasket             | 112           |
| Exhaust-manifold gasket         | 111           |
| Fan wheel                       | 132           |
| Filling level sensor            | 72            |
| Flat collar nut                 | 363           |
| Floor capsule                   | 549           |
| Four-circuit protection valve   | 416           |
| Front pipe                      | 95, 96        |
| Fuel filter                     | 147, 149, 150 |
| Fuel pump                       | 68            |
| Gas spring                      | 562, 563      |
| Guide bearing                   | 77            |
| H3 fog light                    | 179           |
| H4 main headlamp                | 167           |
| Hand brake valve                | 429, 430      |
| Hand feed pump                  | 67            |
| Hydraulic filter                | 155, 156, 157 |
| Indicator                       | 253           |
| Indicator light                 | 184, 192, 214 |
| Indicator switch                | 252           |
| Intake-manifold gasket          | 123           |
| Membrane brake cylinder         | 449           |
| Mirror glass                    | 541           |
| Motor coach brake valve         | 427           |
| Muffler                         | 447           |
| Nozzle fitting sealing ring     | 71            |
| Numberplate lamp                | 220           |
| Oil cooler                      | 64            |
| Oil filter                      | 144           |
| Overflow valve                  | 424           |
| Pipe filter                     | 414           |
| Power-steering pump             | 288           |
| Pressure control valve          | 433           |

|                                           |               |                                            |               |
|-------------------------------------------|---------------|--------------------------------------------|---------------|
| Pressure switch . . . . .                 | 566           | Door cylinder . . . . .                    | 568           |
| Radiator fan . . . . .                    | 130           | Drag-link . . . . .                        | 264           |
| Radiator fan coupling . . . . .           | 132           | ECAS path sensor . . . . .                 | 374           |
| Rear light . . . . .                      | 201           | Electric motor . . . . .                   | 570           |
| Rectangular reflector . . . . .           | 221           | Exhaust pipe clamp . . . . .               | 105, 106      |
| Relay valve . . . . .                     | 440           | Exhaust pipe gasket . . . . .              | 112           |
| Repair kit for air dryer . . . . .        | 413, 414      | Exhaust-manifold gasket . . . . .          | 111           |
| Repair kit for compressor . . . . .       | 403           | Fan wheel . . . . .                        | 132           |
| Repair kit Kingpin . . . . .              | 337           | Filling level sensor . . . . .             | 72            |
| Reset spring . . . . .                    | 504           | Flat collar nut . . . . .                  | 363           |
| Retainer ring . . . . .                   | 362           | Floor capsule . . . . .                    | 549           |
| Rubber-to-metal bearing . . . . .         | 110           | Four-circuit protection valve . . . . .    | 416           |
| Safety plate . . . . .                    | 503           | Front pipe . . . . .                       | 95, 96        |
| Sealing ring for brake shoe pin . . . . . | 504           | Fuel filter . . . . .                      | 147, 149, 150 |
| Shaft sealing ring . . . . .              | 341, 356      | Fuel pump . . . . .                        | 68            |
| Shock absorber . . . . .                  | 392           | Gas spring . . . . .                       | 562, 563      |
| Side marker light . . . . .               | 195           | Guide bearing . . . . .                    | 77            |
| Slack adjuster . . . . .                  | 508           | H3 fog light . . . . .                     | 179           |
| Snatch lock . . . . .                     | 562           | H4 main headlamp . . . . .                 | 166, 167      |
| Solenoid valve . . . . .                  | 435, 437      | Hand brake valve . . . . .                 | 429, 430      |
| Speed sensor . . . . .                    | 345, 347      | Hand feed pump . . . . .                   | 67            |
| Spoiler . . . . .                         | 549           | Heater Motor . . . . .                     | 515           |
| Starter battery . . . . .                 | 258           | Hydraulic filter . . . . .                 | 155, 156, 157 |
| Starter Motor . . . . .                   | 231, 234      | Indicator . . . . .                        | 253           |
| Steering Track Rod . . . . .              | 268           | Indicator light . . . . .                  | 184, 192, 214 |
| Surge tank . . . . .                      | 127, 128      | Indicator switch . . . . .                 | 252           |
| Tailpipe . . . . .                        | 102           | Injection nozzle fitting . . . . .         | 70            |
| Tapered roller bearing . . . . .          | 350           | Intake-manifold gasket . . . . .           | 123           |
| Transverse link . . . . .                 | 318           | Membrane brake cylinder . . . . .          | 449           |
| Washer fluid pump . . . . .               | 574           | Mirror glass . . . . .                     | 541           |
| Water trap . . . . .                      | 468           | Motor coach brake valve . . . . .          | 427           |
| Wheel bolt . . . . .                      | 360           | Muffler . . . . .                          | 447           |
| Wheel cover . . . . .                     | 365           | Nozzle fitting sealing ring . . . . .      | 71            |
| Wheel nut . . . . .                       | 363           | Numberplate lamp . . . . .                 | 220           |
| Wiper arm . . . . .                       | 580           | Oil cooler . . . . .                       | 64            |
| Wiper bearing . . . . .                   | 578           | Oil filter . . . . .                       | 144           |
| Wiper motor . . . . .                     | 575           | Overflow valve . . . . .                   | 424           |
| Wiper rods . . . . .                      | 576           | Pipe filter . . . . .                      | 414           |
| Working cylinder . . . . .                | 114           | Power-steering pump . . . . .              | 288           |
| <b>MAN NG (A11)</b>                       |               | Pressure control valve . . . . .           | 433           |
| Air dryer . . . . .                       | 405, 410, 411 | Pressure limiter . . . . .                 | 438           |
| Air filter . . . . .                      | 152           | Pressure switch . . . . .                  | 566           |
| Air spring bellows . . . . .              | 383           | Pressure wave switch . . . . .             | 567           |
| Alternator . . . . .                      | 247           | Radiator fan . . . . .                     | 130           |
| Axle nut . . . . .                        | 359           | Radiator fan coupling . . . . .            | 132           |
| Ball joint . . . . .                      | 273, 275, 278 | Rapid bleeder valve . . . . .              | 446           |
| Ballast . . . . .                         | 230           | Rear light . . . . .                       | 201           |
| Bearing bush for brake shoe pin . . . . . | 503           | Rectangular reflector . . . . .            | 221           |
| Blowoff valve . . . . .                   | 420, 422      | Relay valve . . . . .                      | 439, 440      |
| Brake caliper . . . . .                   | 480           | Repair kit for air dryer . . . . .         | 413, 414      |
| Brake camshaft . . . . .                  | 507           | Repair kit for brake calipers . . . . .    | 488           |
| Brake lining set . . . . .                | 505           | Repair kit for compressor . . . . .        | 403           |
| Brake pad sensor . . . . .                | 500, 506      | Repair kit Kingpin . . . . .               | 337           |
| Brake pad set . . . . .                   | 495, 497      | Reset spring . . . . .                     | 504           |
| Brake shoe pin . . . . .                  | 503           | Retainer ring . . . . .                    | 362           |
| Bumper . . . . .                          | 549           | Rubber-to-metal bearing . . . . .          | 110           |
| Bus driver's seat . . . . .               | 583           | Safety plate for brake shoe pin . . . . .  | 503           |
| Catch plate . . . . .                     | 570           | Seal for external planetary gear . . . . . | 353           |
| Central/rear silencer . . . . .           | 92            | Sealing ring for brake shoe pin . . . . .  | 504           |
| Charge air cooler . . . . .               | 118           | Shaft sealing ring . . . . .               | 341, 356      |
| Clamping levers . . . . .                 | 577           | Shock absorber . . . . .                   | 392, 393      |
| Clamping piece . . . . .                  | 107           | Side marker light . . . . .                | 195           |
| Clamping sleeve for ABS sensor . . . . .  | 343           | Slack adjuster . . . . .                   | 508           |
| Combination brake cylinder . . . . .      | 463           | Snatch lock . . . . .                      | 562           |
| Compressor . . . . .                      | 399, 400, 402 | Solenoid valve . . . . .                   | 435, 437      |
| Coolant sensor . . . . .                  | 126           | Speed sensor . . . . .                     | 345, 347      |
| Coolant thermostat . . . . .              | 140           | Spoiler . . . . .                          | 549           |
| Cover lid . . . . .                       | 128, 129      | Starter battery . . . . .                  | 258           |
| Cup strap . . . . .                       | 108           | Starter Motor . . . . .                    | 231           |
| Door bracket . . . . .                    | 569           | Steering Track Rod . . . . .               | 268           |
|                                           |               | Surge tank . . . . .                       | 127, 128      |

|                        |     |
|------------------------|-----|
| Tailpipe               | 102 |
| Tapered roller bearing | 350 |
| Transverse link        | 318 |
| Washer fluid pump      | 574 |
| Water trap             | 468 |
| Wheel bolt             | 360 |
| Wheel cover            | 365 |
| Wheel nut              | 363 |
| Wiper arm              | 580 |
| Wiper bearing          | 578 |
| Wiper blade            | 581 |
| Wiper motor            | 575 |
| Wiper rods             | 576 |
| Working cylinder       | 114 |

#### MAN NG (A23) [1998-2004]

|                                             |                    |
|---------------------------------------------|--------------------|
| 2-way valve                                 | 442                |
| Additional headlamp                         | 178                |
| Air dryer                                   | 406, 407, 411, 413 |
| Air filter                                  | 152                |
| Air spring bellows                          | 383                |
| Air-conditioning compressor                 | 521                |
| ALB controller                              | 438                |
| Alternator                                  | 242, 246, 247      |
| Attachment screw for brake disc             | 494                |
| Attachment screw for flywheel               | 75                 |
| Axial fan                                   | 512                |
| Ball joint                                  | 278                |
| Blower                                      | 513                |
| Blowoff valve                               | 420, 421           |
| Brake caliper                               | 480, 481, 482, 483 |
| Brake disc                                  | 491, 492, 493      |
| Brake pad sensor                            | 500                |
| Brake pad set                               | 495, 496, 497      |
| Bumper                                      | 550                |
| Cabin filter                                | 160                |
| Central/rear silencer                       | 92                 |
| Charge air cooler                           | 118                |
| Charge air hose                             | 119                |
| Clamping piece                              | 107                |
| Clamping sleeve for rotational speed sensor | 345                |
| Combination brake cylinder                  | 455, 461           |
| Compressor                                  | 402                |
| Coolant thermostat                          | 139                |
| Door cylinder                               | 568                |
| Dryer                                       | 522                |
| EBS foot brake module                       | 429                |
| EBS single channel module                   | 432                |
| EBS two channel module                      | 432                |
| ECAS solenoid valve                         | 373                |
| Electric motor                              | 513                |
| Electrical ballast                          | 516                |
| Engine radiator                             | 124                |
| Evaporator                                  | 524                |
| Exhaust pipe                                | 100                |
| Exhaust pipe clamp                          | 105                |
| Exhaust pipe gasket                         | 112                |
| Fan hub                                     | 133                |
| Fan wheel                                   | 131, 132           |
| Flywheel race                               | 20                 |
| Four-circuit protection valve               | 415                |
| Fuel filter                                 | 147, 149, 150      |
| Gas spring                                  | 562, 563           |
| Glass unit for main mirror                  | 538                |
| H7 main headlamp                            | 168                |
| Hand brake valve                            | 429, 430           |
| Hand feed pump                              | 67                 |
| Heat exchanger                              | 519                |
| Heat protection panel                       | 109                |
| Heater Motor                                | 513, 515           |
| Hose clip                                   | 122                |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Hydraulic filter                              | 155, 156           |
| Impact corner                                 | 550                |
| Indicator light                               | 191, 192           |
| Indicator switch                              | 252                |
| Injection nozzle fitting                      | 70                 |
| Intake manifold                               | 123                |
| Kingpin kit                                   | 336                |
| LED side marker light                         | 195                |
| Main mirror                                   | 536, 538           |
| Membrane brake cylinder                       | 449                |
| Motor coach brake valve                       | 427                |
| Oil cooler                                    | 64                 |
| Oil filter                                    | 144, 145           |
| Overflow valve                                | 424                |
| Power-steering pump                           | 290                |
| Pressure switch                               | 566                |
| Quick-release valve                           | 445                |
| Rapid bleeder valve                           | 446                |
| Relay valve                                   | 439, 440           |
| Repair kit for brake calipers                 | 488                |
| Repair kit Kingpin                            | 337                |
| Shaft sealing ring                            | 357, 358           |
| Shock absorber                                | 392, 393           |
| Side light/indicator lens for main headlights | 169                |
| Side marker light                             | 195                |
| Snatch lock                                   | 562                |
| Solenoid valve                                | 435                |
| Speed sensor                                  | 345                |
| Spoiler                                       | 550                |
| Stabiliser bearing section                    | 334                |
| Stabilizer mounting                           | 329                |
| Starter Motor                                 | 231, 234           |
| Steering damper                               | 286                |
| Steering Track Rod                            | 272                |
| Tailpipe                                      | 102                |
| Tapered roller bearing                        | 350, 351           |
| Tightening strap                              | 109                |
| TORX® hexagon bolt for brake disc mounting    | 495                |
| Trailer control valve                         | 447                |
| Trailing arm                                  | 294, 295, 302, 308 |
| Washer fluid pump                             | 574                |
| Water pump                                    | 136                |
| Wheel bolt                                    | 360                |
| Wheel hub                                     | 348                |
| Wheel nut                                     | 363                |
| Wiper arm                                     | 579                |
| Wiper bearing                                 | 578                |
| Wiper blade                                   | 581                |
| Wiper motor                                   | 575                |
| Wiper rods                                    | 576                |
| Working cylinder                              | 113                |

#### MAN NL (A10)

|                                 |                    |
|---------------------------------|--------------------|
| 2-way valve                     | 442                |
| Air dryer                       | 405, 410, 411, 413 |
| Air filter                      | 152                |
| Air spring bellows              | 383                |
| Alternator                      | 247                |
| Axial fan                       | 512                |
| Axle nut                        | 359                |
| Ball joint                      | 273, 274, 275, 278 |
| Ballast                         | 230                |
| Bearing bush for brake shoe pin | 503                |
| Blower motor                    | 516                |
| Blowoff valve                   | 420, 421, 422      |
| Brake caliper                   | 480, 481           |
| Brake camshaft                  | 507                |
| Brake drum                      | 501                |
| Brake lining set                | 505                |
| Brake pad sensor                | 500, 506           |
| Brake pad set                   | 495, 497           |



|                                          |               |                                                           |               |
|------------------------------------------|---------------|-----------------------------------------------------------|---------------|
| Brake shoe pin . . . . .                 | 503           | Rapid bleeder valve . . . . .                             | 446           |
| Bumper . . . . .                         | 549           | Rear light . . . . .                                      | 201           |
| Bus driver's seat . . . . .              | 583           | Rectangular reflector . . . . .                           | 221           |
| Cabin filter . . . . .                   | 160           | Relay valve . . . . .                                     | 439, 440      |
| Catch plate . . . . .                    | 570           | Repair kit for air dryer . . . . .                        | 413, 414      |
| Central/rear silencer . . . . .          | 92            | Repair kit for brake calipers . . . . .                   | 488           |
| Charge air cooler . . . . .              | 118           | Repair kit for clutch booster . . . . .                   | 88            |
| Charge air hose . . . . .                | 119           | Repair kit for compressor . . . . .                       | 403           |
| Clamping levers . . . . .                | 577           | Repair kit Kingpin . . . . .                              | 337           |
| Clamping piece . . . . .                 | 107           | Reset spring . . . . .                                    | 504           |
| Clamping sleeve for ABS sensor . . . . . | 343           | Retainer ring . . . . .                                   | 362           |
| Combination brake cylinder . . . . .     | 463           | Rubber-to-metal bearing . . . . .                         | 110           |
| Compressor . . . . .                     | 399, 400, 402 | Safety plate . . . . .                                    | 503           |
| Coolant sensor . . . . .                 | 126           | Screw for tracking adjustment . . . . .                   | 273           |
| Coolant thermostat . . . . .             | 139, 140      | Seal for external planetary gear . . . . .                | 353           |
| Cover lid . . . . .                      | 128, 129      | Sealing ring for brake shoe pin . . . . .                 | 504           |
| Cup strap . . . . .                      | 108           | Secondary air filter . . . . .                            | 154           |
| Door bracket . . . . .                   | 569           | Shaft sealing ring . . . . .                              | 341, 356, 357 |
| Door cylinder . . . . .                  | 568           | Shock absorber . . . . .                                  | 392, 394      |
| Drag-link . . . . .                      | 264           | Side light/indicator lens for H4 main headlight . . . . . | 167           |
| ECAS path sensor . . . . .               | 374           | Side marker light . . . . .                               | 195           |
| Electric motor . . . . .                 | 570           | Slack adjuster . . . . .                                  | 508           |
| Exhaust pipe clamp . . . . .             | 105, 106      | Snatch lock . . . . .                                     | 562           |
| Exhaust pipe gasket . . . . .            | 112           | Solenoid valve . . . . .                                  | 435, 437      |
| Exhaust-manifold gasket . . . . .        | 111           | Speed sensor . . . . .                                    | 342, 345, 347 |
| Fan wheel . . . . .                      | 132           | Spoiler . . . . .                                         | 549           |
| Filling level sensor . . . . .           | 72            | Starter battery . . . . .                                 | 258           |
| Flat collar nut . . . . .                | 363           | Starter Motor . . . . .                                   | 231           |
| Flexible pipe . . . . .                  | 99            | Steering Track Rod . . . . .                              | 268           |
| Floor capsule . . . . .                  | 549           | Surge tank . . . . .                                      | 127, 128      |
| Foot brake valve . . . . .               | 428           | Tailpipe . . . . .                                        | 102           |
| Four-circuit protection valve . . . . .  | 416           | Tapered roller bearing . . . . .                          | 350, 351      |
| Front pipe . . . . .                     | 95, 96        | Temperature sensor . . . . .                              | 71            |
| Fuel filter . . . . .                    | 147, 149, 150 | Trailing arm . . . . .                                    | 308           |
| Fuel pump . . . . .                      | 68            | Transverse link . . . . .                                 | 318           |
| Gas spring . . . . .                     | 562, 563      | Washer fluid pump . . . . .                               | 574           |
| Guide bearing . . . . .                  | 77            | Water trap . . . . .                                      | 468           |
| H3 fog light . . . . .                   | 179           | Wheel bolt . . . . .                                      | 360           |
| H4 main headlamp . . . . .               | 166, 167      | Wheel cover . . . . .                                     | 365           |
| Hand brake valve . . . . .               | 429, 430      | Wheel nut . . . . .                                       | 363           |
| Hand feed pump . . . . .                 | 67            | Wiper arm . . . . .                                       | 580           |
| Heat exchanger . . . . .                 | 519           | Wiper bearing . . . . .                                   | 578           |
| Heater Motor . . . . .                   | 515           | Wiper blade . . . . .                                     | 581           |
| Hose clip . . . . .                      | 120, 122      | Wiper motor . . . . .                                     | 575           |
| Hydraulic filter . . . . .               | 155, 156, 157 | Wiper rods . . . . .                                      | 576           |
| Indicator . . . . .                      | 253           | Working cylinder . . . . .                                | 114           |
| Indicator light . . . . .                | 184, 192, 214 |                                                           |               |
| Indicator switch . . . . .               | 252           |                                                           |               |
| Injection nozzle fitting . . . . .       | 70            | <b>MAN NL (A15)</b>                                       |               |
| Intake-manifold gasket . . . . .         | 123           | Air dryer . . . . .                                       | 405, 410, 411 |
| Interior fan . . . . .                   | 590           | Air filter . . . . .                                      | 152           |
| LED side marker light . . . . .          | 195           | Air spring bellows . . . . .                              | 383           |
| Membrane brake cylinder . . . . .        | 449           | Alternator . . . . .                                      | 247           |
| Mirror glass . . . . .                   | 541           | Axle nut . . . . .                                        | 359           |
| Motor coach brake valve . . . . .        | 427           | Ball joint . . . . .                                      | 273, 275, 278 |
| Muffler . . . . .                        | 447           | Ballast . . . . .                                         | 230           |
| Nozzle fitting sealing ring . . . . .    | 71            | Bearing bush for brake shoe pin . . . . .                 | 503           |
| Numberplate lamp . . . . .               | 220           | Blowoff valve . . . . .                                   | 420, 422      |
| Oil cooler . . . . .                     | 64            | Brake caliper . . . . .                                   | 480, 481      |
| Oil filter . . . . .                     | 144           | Brake camshaft . . . . .                                  | 507           |
| Overflow valve . . . . .                 | 424           | Brake lining set . . . . .                                | 505           |
| Pipe filter . . . . .                    | 414           | Brake pad sensor . . . . .                                | 500, 506      |
| Position light . . . . .                 | 187, 218      | Brake pad set . . . . .                                   | 495, 497      |
| Power-steering pump . . . . .            | 288, 292      | Brake shoe pin . . . . .                                  | 503           |
| Pressure control valve . . . . .         | 433           | Bumper . . . . .                                          | 549           |
| Pressure limiter . . . . .               | 438           | Bus driver's seat . . . . .                               | 583           |
| Pressure switch . . . . .                | 566           | Catch plate . . . . .                                     | 570           |
| Pressure wave switch . . . . .           | 567           | Central/rear silencer . . . . .                           | 92            |
| Quick-release valve . . . . .            | 445           | Charge air cooler . . . . .                               | 118           |
| Radiator fan . . . . .                   | 130           | Clamping levers . . . . .                                 | 577           |
| Radiator fan coupling . . . . .          | 132           | Clamping piece . . . . .                                  | 107           |
|                                          |               | Clamping sleeve for ABS sensor . . . . .                  | 343           |

|                                 |               |                                 |                    |
|---------------------------------|---------------|---------------------------------|--------------------|
| Combination brake cylinder      | 463           | Spoiler                         | 549                |
| Compressor                      | 399, 400, 402 | Starter battery                 | 258                |
| Coolant sensor                  | 126           | Starter Motor                   | 231                |
| Coolant thermostat              | 139, 140      | Steering Track Rod              | 268                |
| Cover lid                       | 128, 129      | Surge tank                      | 127, 128           |
| Cup strap                       | 108           | Tailpipe                        | 102                |
| Door cylinder                   | 568           | Tapered roller bearing          | 350                |
| Drag-link                       | 264           | Transverse link                 | 318                |
| ECAS path sensor                | 374           | Washer fluid pump               | 574                |
| Electric motor                  | 570           | Water trap                      | 468                |
| Exhaust pipe clamp              | 105, 106      | Wheel bolt                      | 360                |
| Exhaust pipe gasket             | 112           | Wheel cover                     | 365                |
| Exhaust-manifold gasket         | 111           | Wheel nut                       | 363                |
| Fan wheel                       | 132           | Wiper arm                       | 580                |
| Filling level sensor            | 72            | Wiper bearing                   | 578                |
| Flat collar nut                 | 363           | Wiper blade                     | 581                |
| Flexible pipe                   | 99            | Wiper rods                      | 576                |
| Floor capsule                   | 549           | Working cylinder                | 114                |
| Four-circuit protection valve   | 416           |                                 |                    |
| Front pipe                      | 95, 96        |                                 |                    |
| Fuel filter                     | 147, 149, 150 | <b>MAN NL (A21) [1997-2004]</b> |                    |
| Fuel pump                       | 68            | ABS mini sensor                 | 347                |
| Gas spring                      | 562, 563      | Additional headlamp             | 178                |
| Guide bearing                   | 77            | Air dryer                       | 406, 411           |
| H4 main headlamp                | 166, 167      | Air filter                      | 152                |
| Hand brake valve                | 429, 430      | Air spring bellows              | 383                |
| Hand feed pump                  | 67            | Alternator                      | 246                |
| Heater Motor                    | 515           | Ball joint                      | 274, 277, 278      |
| Hydraulic filter                | 155, 156, 157 | Blower                          | 513                |
| Indicator                       | 253           | Blowoff valve                   | 421                |
| Indicator light                 | 184, 192, 214 | Brake caliper                   | 480, 481, 482, 483 |
| Indicator switch                | 252           | Brake disc                      | 491, 492           |
| Injection nozzle fitting        | 70            | Brake pad set                   | 495, 496           |
| Intake-manifold gasket          | 123           | Bumper                          | 550                |
| Membrane brake cylinder         | 449           | Cabin filter                    | 160                |
| Mirror glass                    | 541           | Cabin filter/pollen filter      | 159                |
| Motor coach brake valve         | 427           | Central/rear silencer           | 92                 |
| Muffler                         | 447           | Charge air cooler               | 118                |
| Nozzle fitting sealing ring     | 71            | Charge air hose                 | 119                |
| Numberplate lamp                | 220           | Clamping piece                  | 107                |
| Oil cooler                      | 64            | Combination brake cylinder      | 455                |
| Oil filter                      | 144           | Compressor                      | 402                |
| Overflow valve                  | 424           | Coolant thermostat              | 139                |
| Pipe filter                     | 414           | Drag-link                       | 264                |
| Power-steering pump             | 288           | EBS foot brake module           | 429                |
| Pressure control valve          | 433           | EBS single channel module       | 432                |
| Pressure switch                 | 566           | EBS two channel module          | 432                |
| Pressure wave switch            | 567           | ECAS path sensor                | 374                |
| Radiator fan                    | 130           | Exhaust pipe                    | 100                |
| Radiator fan coupling           | 132           | Exhaust pipe clamp              | 105                |
| Rapid bleeder valve             | 446           | Four-circuit protection valve   | 415                |
| Rear light                      | 201           | Fuel filter                     | 147, 149           |
| Rectangular reflector           | 221           | Fuel pre-filter                 | 149                |
| Relay valve                     | 440           | Gas spring                      | 562, 563           |
| Repair kit for air dryer        | 413, 414      | Glass unit for main mirror      | 538                |
| Repair kit for brake calipers   | 488           | H7 main headlamp                | 168                |
| Repair kit for compressor       | 403           | Hand brake valve                | 429, 430           |
| Repair kit Kingpin              | 337           | Heat exchanger                  | 519                |
| Reset spring                    | 504           | Heater Motor                    | 513                |
| Retainer ring                   | 362           | Hose clip                       | 120, 122           |
| Rubber-to-metal bearing         | 110           | Indicator light                 | 191                |
| Safety plate                    | 503           | Indicator switch                | 252                |
| Screw for tracking adjustment   | 273           | Injection nozzle fitting        | 70                 |
| Sealing ring for brake shoe pin | 504           | LED side marker light           | 195                |
| Shaft sealing ring              | 341, 356      | Main mirror                     | 538                |
| Shock absorber                  | 392           | Membrane brake cylinder         | 449                |
| Side marker light               | 195           | Oil filter                      | 144, 145           |
| Slack adjuster                  | 508           | Power-steering pump             | 290                |
| Snatch lock                     | 562           | Relay valve                     | 440                |
| Solenoid valve                  | 435, 437      | Repair kit for brake calipers   | 488                |
| Speed sensor                    | 345, 347      | Repair kit Kingpin              | 337                |
|                                 |               | Shaft sealing ring              | 357, 358           |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Shock absorber                                | 392                |
| Side light/indicator lens for main headlights | 169                |
| Snatch lock                                   | 562                |
| Speed sensor                                  | 345                |
| Spoiler                                       | 550                |
| Stabiliser bearing section                    | 334                |
| Stabilizer mounting                           | 329                |
| Starter Motor                                 | 231, 234           |
| Steering Track Rod                            | 272                |
| Surge tank                                    | 127                |
| Tailpipe                                      | 102                |
| Tapered roller bearing                        | 351                |
| Tightening strap                              | 109                |
| TORX® hexagon bolt for brake disc mounting    | 495                |
| Trailing arm                                  | 294, 295, 302, 308 |
| Water pump                                    | 136                |
| Wheel bolt                                    | 360                |
| Wheel hub                                     | 348                |
| Wheel nut                                     | 363                |
| Wiper arm                                     | 579                |
| Wiper bearing                                 | 578                |
| Wiper blade                                   | 581                |
| Wiper motor                                   | 575                |
| Wiper rods                                    | 576                |

#### MAN NÜ (A20) [1996-2004]

|                            |                    |
|----------------------------|--------------------|
| Air dryer                  | 406, 411, 413      |
| Air filter                 | 152                |
| Air spring bellows         | 383                |
| Alternator                 | 247                |
| Ball joint                 | 274, 275, 278      |
| Blower motor               | 516                |
| Brake caliper              | 480, 481, 482, 483 |
| Brake disc                 | 491, 492           |
| Brake pad set              | 495, 496, 497      |
| Cabin filter               | 160                |
| Cabin filter/pollen filter | 159                |
| Central/rear silencer      | 92                 |
| Combination brake cylinder | 455                |
| Compressor                 | 400                |
| Drag-link                  | 264                |
| Engine radiator            | 124                |
| Exhaust pipe clamp         | 105                |
| Front pipe                 | 96                 |
| Fuel filter                | 147, 149           |
| Fuel pre-filter            | 149                |
| H1 main headlamp           | 167                |
| H1 spotlight               | 168                |
| Hand brake valve           | 429, 430           |
| Heat exchanger             | 519                |
| Hose clip                  | 120, 122           |
| Impact corner              | 550                |
| Indicator light            | 185, 192           |
| Indicator switch           | 253                |
| Intake manifold            | 123                |
| Kingpin kit                | 336                |
| Main mirror                | 536, 538           |
| Membrane brake cylinder    | 449                |
| Motor coach brake valve    | 427                |
| Oil filter                 | 144                |
| Quick-release valve        | 445                |
| Shaft sealing ring         | 358                |
| Shock absorber             | 392                |
| Side marker light          | 195                |
| Solenoid valve             | 437                |
| Stabilizer mounting        | 329                |
| Starter Motor              | 231, 234           |
| Steering Track Rod         | 272                |
| Surge tank                 | 127                |
| Tailpipe                   | 102                |
| Tapered roller bearing     | 350, 351           |

|                   |               |
|-------------------|---------------|
| Tension roller    | 7             |
| Tightening strap  | 109           |
| Trailing arm      | 294, 295, 302 |
| Washer fluid pump | 574           |
| Wheel bolt        | 360           |
| Wheel hub         | 348           |
| Wheel nut         | 363           |
| Wiper motor       | 575           |

#### MERCEDES-BENZ Citaro I (O 530) [1997-]

|                                             |                    |
|---------------------------------------------|--------------------|
| 2-way valve                                 | 442                |
| Adjustment mechanism for headlamp levelling | 175                |
| Air dryer                                   | 410, 411           |
| Air filter                                  | 152, 153           |
| Air spring                                  | 378                |
| Air spring bellows                          | 384, 385, 386      |
| Alternator                                  | 241, 242, 243, 247 |
| Attachment screw for brake disc             | 494                |
| Attachment screw for flywheel               | 75                 |
| Axial fan                                   | 512                |
| Ball joint                                  | 275, 276, 280      |
| Blowoff valve                               | 421                |
| Bracket for exterior mirror                 | 534                |
| Bracket for main mirror                     | 534                |
| Brake caliper                               | 484, 485, 486      |
| Brake disc                                  | 491, 493, 494      |
| Brake pad set                               | 497, 498           |
| Bumper                                      | 554, 555           |
| Cabin filter                                | 160                |
| Cabin filter/pollen filter                  | 159                |
| Central/rear silencer                       | 92                 |
| Charge air cooler                           | 118, 119           |
| Charge air hose                             | 119                |
| Clutch plate                                | 81                 |
| Clutch releaser                             | 83                 |
| Combination brake cylinder                  | 460                |
| Complete mirror system                      | 534                |
| Compressor                                  | 398                |
| Control unit                                | 526                |
| Coolant thermostat                          | 139                |
| Coupling rod                                | 324                |
| Cover cap for main mirror                   | 543                |
| Deflection pulley/guide pulley              | 10                 |
| Dehumidification valve                      | 466                |
| Door cylinder                               | 568                |
| Drag-link                                   | 264                |
| EBS axle modulator                          | 431                |
| EBS relay valve                             | 441                |
| ECAS path sensor                            | 374                |
| ECAS solenoid valve                         | 372                |
| Engine bearing                              | 61                 |
| Engine compartment cover                    | 556                |
| Engine radiator                             | 125                |
| Exhaust pipe clamp                          | 105, 106           |
| Exhaust turbocharger                        | 63                 |
| Fan wheel                                   | 131, 132           |
| Flat collar nut                             | 363                |
| Four-circuit protection valve               | 416, 417           |
| Front flap                                  | 554                |
| Front pipe                                  | 95, 96             |
| Fuel filter                                 | 147, 149, 150      |
| Gas spring                                  | 563                |
| Guide bearing                               | 76                 |
| Guide sealing set                           | 489, 490           |
| H1/H1 main headlamp                         | 170                |
| Hand brake valve                            | 430                |
| Heat exchanger                              | 519                |
| Heater Motor                                | 514                |
| Hose clip                                   | 120, 122           |
| Hydraulic filter                            | 155, 157           |
| Impact corner                               | 554, 555           |

|                                                |                    |                                          |               |
|------------------------------------------------|--------------------|------------------------------------------|---------------|
| Indicator light . . . . .                      | 186, 192, 214, 215 | Cabin filter . . . . .                   | 160           |
| Indicator switch . . . . .                     | 252                | Cabin filter/pollen filter . . . . .     | 159, 160      |
| Intake hose . . . . .                          | 123                | Charge air cooler . . . . .              | 118, 119      |
| Intake-manifold gasket . . . . .               | 123                | Charge air hose . . . . .                | 119           |
| Kingpin . . . . .                              | 336                | Clearance light . . . . .                | 200           |
| LED side marker light . . . . .                | 196                | Clutch kit . . . . .                     | 78            |
| Main mirror . . . . .                          | 543                | Clutch releaser . . . . .                | 83            |
| Membrane . . . . .                             | 454                | Combination brake cylinder . . . . .     | 460, 461      |
| Membrane brake cylinder . . . . .              | 452                | Complete mirror system . . . . .         | 534           |
| Mirror glass . . . . .                         | 534, 543           | Compressed air cleaner . . . . .         | 410           |
| Motor coach brake valve . . . . .              | 427                | Compressor . . . . .                     | 398, 399, 402 |
| Muffler . . . . .                              | 447                | Condenser . . . . .                      | 525           |
| Oil filter . . . . .                           | 145                | Coolant thermostat . . . . .             | 139           |
| Overflow valve . . . . .                       | 424                | Coupling rod . . . . .                   | 323, 324, 327 |
| Poly-V belt tensioner . . . . .                | 8                  | Cover cap for main mirror . . . . .      | 543           |
| Position light . . . . .                       | 187, 188           | Cover for towing coupling . . . . .      | 558           |
| Power-steering pump . . . . .                  | 288                | Deflection pulley/guide pulley . . . . . | 10            |
| Pressure control valve . . . . .               | 434                | Dehumidification valve . . . . .         | 466           |
| Pressure pad set . . . . .                     | 490                | Door cylinder . . . . .                  | 568           |
| Quick-release valve . . . . .                  | 445                | Drag-link . . . . .                      | 265           |
| Radiator fan coupling . . . . .                | 133                | Dryer . . . . .                          | 522, 523      |
| Rear light . . . . .                           | 201                | EBS axle modulator . . . . .             | 431           |
| Rear silencer . . . . .                        | 93                 | EBS foot brake module . . . . .          | 429           |
| Relay valve . . . . .                          | 440                | EBS relay valve . . . . .                | 441           |
| Repair kit for water pump . . . . .            | 138                | ECAS path sensor . . . . .               | 374           |
| Repair kit Kingpin . . . . .                   | 338                | ECAS solenoid valve . . . . .            | 372, 373      |
| Reversing light . . . . .                      | 209                | Engine radiator . . . . .                | 125           |
| Rolling piston . . . . .                       | 391                | Evaporator . . . . .                     | 524           |
| Shaft sealing ring . . . . .                   | 354, 358           | Exhaust pipe clamp . . . . .             | 106           |
| Shock absorber . . . . .                       | 393, 394           | Exhaust turbocharger . . . . .           | 63            |
| Snatch lock . . . . .                          | 562                | Fan hub . . . . .                        | 133           |
| Solenoid valve . . . . .                       | 435                | Fan wheel . . . . .                      | 131, 132      |
| Speed sensor . . . . .                         | 342, 344, 345      | Fastening set for flywheel . . . . .     | 75            |
| Stabiliser bearing section . . . . .           | 334                | Flexible pipe . . . . .                  | 98            |
| Starter Motor . . . . .                        | 232, 235, 239      | Flywheel race . . . . .                  | 20            |
| Steering damper . . . . .                      | 286                | Four-circuit protection valve . . . . .  | 416, 417      |
| Steering Track Rod . . . . .                   | 272                | Front flap . . . . .                     | 557           |
| Supply flap . . . . .                          | 554                | Front pipe . . . . .                     | 95, 96        |
| Surge tank . . . . .                           | 127                | Fuel filter . . . . .                    | 147, 149      |
| Suspension elastic . . . . .                   | 110                | Gas spring . . . . .                     | 563           |
| Tailpipe . . . . .                             | 102                | Guide bearing . . . . .                  | 77            |
| Tapered roller bearing . . . . .               | 350, 351           | Guide sealing set . . . . .              | 489           |
| Trailing arm . . . . .                         | 295, 296, 308      | H1 fog light . . . . .                   | 179           |
| Transverse link . . . . .                      | 321                | H1/H1 main headlamp . . . . .            | 170           |
| Unit injector . . . . .                        | 69                 | Hand brake valve . . . . .               | 430           |
| Water pump . . . . .                           | 134, 135, 137      | Heat exchanger . . . . .                 | 519           |
| Water trap . . . . .                           | 468                | Heater array . . . . .                   | 520           |
| Wheel hub sealing ring . . . . .               | 354                | Heater Motor . . . . .                   | 514           |
| Wiper arm . . . . .                            | 580                | Hose clip . . . . .                      | 120, 122      |
| Wiper blade . . . . .                          | 581, 582           | Hydraulic filter . . . . .               | 155, 156, 157 |
| Wiper motor . . . . .                          | 574                | Impact corner . . . . .                  | 557, 558      |
| Wiper rods . . . . .                           | 576                | Indicator light . . . . .                | 193, 214      |
|                                                |                    | Indicator switch . . . . .               | 251, 252      |
|                                                |                    | LED daytime running lamp . . . . .       | 182           |
|                                                |                    | LED numberplate lamp . . . . .           | 221           |
|                                                |                    | LED position light . . . . .             | 188           |
|                                                |                    | LED side marker light . . . . .          | 196           |
|                                                |                    | Main mirror . . . . .                    | 543           |
|                                                |                    | Membrane brake cylinder . . . . .        | 452           |
|                                                |                    | Mirror glass . . . . .                   | 534, 543      |
|                                                |                    | Motor coach brake valve . . . . .        | 427           |
|                                                |                    | Oil cooler . . . . .                     | 64            |
|                                                |                    | Oil filter . . . . .                     | 144, 145      |
|                                                |                    | Overflow valve . . . . .                 | 424           |
|                                                |                    | Poly-V belt tensioner . . . . .          | 8             |
|                                                |                    | Position light . . . . .                 | 187           |
|                                                |                    | Power-steering pump . . . . .            | 288, 290      |
|                                                |                    | Pressure control valve . . . . .         | 434           |
|                                                |                    | Pressure pad set . . . . .               | 490           |
|                                                |                    | Pressure switch . . . . .                | 566           |
|                                                |                    | Quick-release valve . . . . .            | 445, 446      |
| <b>MERCEDES-BENZ Citaro II (O 530) [2006-]</b> |                    |                                          |               |
| 3/2-way valve . . . . .                        | 443                |                                          |               |
| Air dryer . . . . .                            | 406, 410, 411      |                                          |               |
| Air filter . . . . .                           | 152                |                                          |               |
| Air spring bellows . . . . .                   | 385, 386           |                                          |               |
| Air-conditioning compressor . . . . .          | 521                |                                          |               |
| Alternator . . . . .                           | 241, 242, 247      |                                          |               |
| Attachment screw for brake disc . . . . .      | 494                |                                          |               |
| Attachment screw for flywheel . . . . .        | 75                 |                                          |               |
| Axial fan . . . . .                            | 512                |                                          |               |
| Axle joint . . . . .                           | 285                |                                          |               |
| Ball joint . . . . .                           | 273, 274, 275, 276 |                                          |               |
| Blowoff valve . . . . .                        | 421, 422           |                                          |               |
| Bracket for main mirror . . . . .              | 534                |                                          |               |
| Brake caliper . . . . .                        | 484, 485, 486, 487 |                                          |               |
| Brake disc . . . . .                           | 491, 493, 494      |                                          |               |
| Brake pad set . . . . .                        | 497, 498           |                                          |               |
| Bumper . . . . .                               | 557, 558           |                                          |               |

|                                                |                    |                                      |          |
|------------------------------------------------|--------------------|--------------------------------------|----------|
| Radiator fan coupling . . . . .                | 133                | Glass unit for main mirror . . . . . | 538      |
| Radiators . . . . .                            | 125                | Guide sealing set . . . . .          | 489      |
| Rear light . . . . .                           | 201                | H11 fog light . . . . .              | 180      |
| Rear silencer . . . . .                        | 93                 | Hand brake valve . . . . .           | 430      |
| Relay valve . . . . .                          | 440                | Heat exchanger . . . . .             | 519      |
| Repair kit for fuel pump . . . . .             | 68                 | Heater Motor . . . . .               | 514      |
| Repair kit for wheel hub . . . . .             | 353                | Hose clip . . . . .                  | 122      |
| Reversing light . . . . .                      | 209                | Hydraulic filter . . . . .           | 155      |
| Rolling piston . . . . .                       | 391                | Indicator light . . . . .            | 214      |
| Shaft sealing ring . . . . .                   | 355                | Indicator switch . . . . .           | 251, 252 |
| Shock absorber . . . . .                       | 393                | Main mirror . . . . .                | 536, 543 |
| Silencer . . . . .                             | 94                 | Membrane brake cylinder . . . . .    | 452      |
| Solenoid valve . . . . .                       | 435, 436           | Mirror glass . . . . .               | 534, 543 |
| Speed sensor . . . . .                         | 342, 345           | Oil cooler . . . . .                 | 64       |
| Stabiliser bearing section . . . . .           | 334                | Oil filter . . . . .                 | 145      |
| Starter Motor . . . . .                        | 232, 235, 237, 239 | Particulate filter . . . . .         | 94       |
| Steering damper . . . . .                      | 286                | Poly-V belt tensioner . . . . .      | 8        |
| Steering Track Rod . . . . .                   | 269, 270           | Power-steering pump . . . . .        | 290      |
| Surge tank . . . . .                           | 127                | Pressure control valve . . . . .     | 434      |
| Tailpipe . . . . .                             | 102, 103           | Quick-release valve . . . . .        | 446      |
| Tapered roller bearing . . . . .               | 350, 351           | Radiator fan coupling . . . . .      | 133      |
| Trailing arm . . . . .                         | 295, 302, 308      | Rear light . . . . .                 | 201      |
| Transverse link . . . . .                      | 319                | Rear silencer . . . . .              | 93       |
| Urea filter . . . . .                          | 151                | Rolling piston . . . . .             | 391      |
| Washer fluid pump . . . . .                    | 573, 574           | Shock absorber . . . . .             | 393      |
| Water pump . . . . .                           | 134, 135, 136, 137 | Speed sensor . . . . .               | 345      |
| Water trap . . . . .                           | 468                | Stabiliser bearing section . . . . . | 334      |
| Wheel bolt . . . . .                           | 360                | Starter Motor . . . . .              | 232, 237 |
| Wheel hub . . . . .                            | 349                | Steering damper . . . . .            | 286      |
| Wheel hub sealing ring . . . . .               | 354                | Steering Track Rod . . . . .         | 269, 270 |
| Wiper arm . . . . .                            | 580                | Surge tank . . . . .                 | 127      |
| Wiper blade . . . . .                          | 581, 582           | Tailpipe . . . . .                   | 102      |
| Wiper motor . . . . .                          | 574, 575           | Trailing arm . . . . .               | 295, 308 |
| Wiper rods . . . . .                           | 576                | Transverse link . . . . .            | 319      |
|                                                |                    | Urea filter . . . . .                | 151      |
|                                                |                    | Washer fluid pump . . . . .          | 573      |
|                                                |                    | Water pump . . . . .                 | 135, 136 |
|                                                |                    | Wheel bolt . . . . .                 | 360      |
|                                                |                    | Wheel hub . . . . .                  | 349      |
|                                                |                    | Wheel hub sealing ring . . . . .     | 354      |
|                                                |                    | Wiper arm . . . . .                  | 580      |
|                                                |                    | Wiper blade . . . . .                | 581, 582 |
|                                                |                    | Wiper motor . . . . .                | 574      |
|                                                |                    | Wiper rods . . . . .                 | 576      |
| <b>MERCEDES-BENZ Citaro C2 (O 530) [2011-]</b> |                    |                                      |          |
| Air dryer . . . . .                            | 410                |                                      |          |
| Air filter . . . . .                           | 152, 153           |                                      |          |
| Air spring bellows . . . . .                   | 385, 386           |                                      |          |
| Air-conditioning compressor . . . . .          | 521                |                                      |          |
| Alternator . . . . .                           | 241                |                                      |          |
| Attachment screw for brake disc . . . . .      | 494                |                                      |          |
| Attachment screw for flywheel . . . . .        | 75                 |                                      |          |
| Axial fan . . . . .                            | 512                |                                      |          |
| Ball joint . . . . .                           | 273, 274, 275, 276 |                                      |          |
| Blower motor . . . . .                         | 517                |                                      |          |
| Blowoff valve . . . . .                        | 421                |                                      |          |
| Brake caliper . . . . .                        | 484, 485, 486      |                                      |          |
| Brake disc . . . . .                           | 491, 493           |                                      |          |
| Brake pad set . . . . .                        | 497, 498           |                                      |          |
| Cabin filter/pollen filter . . . . .           | 160                |                                      |          |
| Charge air cooler . . . . .                    | 119                |                                      |          |
| Combination brake cylinder . . . . .           | 460                |                                      |          |
| Compressor . . . . .                           | 402                |                                      |          |
| Coolant thermostat . . . . .                   | 139                |                                      |          |
| Coupling rod . . . . .                         | 324, 327           |                                      |          |
| Deflection pulley/guide pulley . . . . .       | 10                 |                                      |          |
| Door cylinder . . . . .                        | 568                |                                      |          |
| Drag-link . . . . .                            | 265                |                                      |          |
| EBS axle modulator . . . . .                   | 431                |                                      |          |
| EBS foot brake module . . . . .                | 429                |                                      |          |
| EBS relay valve . . . . .                      | 441                |                                      |          |
| ECAS path sensor . . . . .                     | 374                |                                      |          |
| Engine radiator . . . . .                      | 125                |                                      |          |
| Evaporator . . . . .                           | 524                |                                      |          |
| Exhaust pipe clamp . . . . .                   | 106                |                                      |          |
| Fan hub . . . . .                              | 133                |                                      |          |
| Fan wheel . . . . .                            | 131                |                                      |          |
| Four-circuit protection valve . . . . .        | 416                |                                      |          |
| Front pipe . . . . .                           | 96                 |                                      |          |
| Fuel filter . . . . .                          | 147                |                                      |          |
|                                                |                    | <b>MERCEDES-BENZ Cito (O 520)</b>    |          |
|                                                |                    | Air dryer . . . . .                  | 410      |
|                                                |                    | Alternator . . . . .                 | 243, 247 |
|                                                |                    | Brake disc . . . . .                 | 491      |
|                                                |                    | Brake pad set . . . . .              | 497, 498 |
|                                                |                    | Cabin filter/pollen filter . . . . . | 159      |
|                                                |                    | Combination brake cylinder . . . . . | 459      |
|                                                |                    | Drag-link . . . . .                  | 264      |
|                                                |                    | EBS axle modulator . . . . .         | 431      |
|                                                |                    | EBS relay valve . . . . .            | 441      |
|                                                |                    | ECAS path sensor . . . . .           | 374      |
|                                                |                    | Flat collar nut . . . . .            | 363      |
|                                                |                    | Foot brake valve . . . . .           | 428      |
|                                                |                    | Indicator light . . . . .            | 192      |
|                                                |                    | Indicator switch . . . . .           | 252      |
|                                                |                    | Kingpin . . . . .                    | 336      |
|                                                |                    | Main mirror . . . . .                | 543      |
|                                                |                    | Membrane . . . . .                   | 454      |
|                                                |                    | Mirror glass . . . . .               | 543      |
|                                                |                    | Overflow valve . . . . .             | 424      |
|                                                |                    | Poly-V belt tensioner . . . . .      | 8        |
|                                                |                    | Power-steering pump . . . . .        | 288      |
|                                                |                    | Pressure control valve . . . . .     | 434      |
|                                                |                    | Pressure pad set . . . . .           | 490      |
|                                                |                    | Relay valve . . . . .                | 439      |
|                                                |                    | Starter Motor . . . . .              | 232, 235 |



|                        |     |
|------------------------|-----|
| Tapered roller bearing | 350 |
| Temperature sensor     | 72  |
| Trailing arm           | 296 |
| Water pump             | 134 |
| Wheel bolt             | 360 |
| Wheel nut              | 363 |
| Wiper blade            | 581 |

#### **MERCEDES-BENZ Conecto I (O 345) [1996-2007]**

|                                                 |                              |
|-------------------------------------------------|------------------------------|
| Adapter cable                                   | 434                          |
| Air dryer                                       | 406, 410, 411                |
| Air filter                                      | 152, 153                     |
| Air spring bellows                              | 384, 385                     |
| Air spring valve                                | 375                          |
| Air-conditioning compressor                     | 521                          |
| Alternator                                      | 241, 242, 243, 247           |
| Attachment screw for brake disc                 | 494                          |
| Attachment screw for flywheel                   | 75                           |
| Attachment wedge for main mirror                | 547                          |
| Axle nut                                        | 359                          |
| Ball joint                                      | 274, 275, 276, 278, 281, 284 |
| Bearing bush for brake shoe pin                 | 503                          |
| Blowoff valve                                   | 423                          |
| Brake camshaft                                  | 507                          |
| Brake drum                                      | 501                          |
| Brake light                                     | 206                          |
| Brake lining set                                | 505                          |
| Brake pad set                                   | 497, 498                     |
| Brake shoe pin                                  | 503                          |
| Cabin filter/pollen filter                      | 159, 160                     |
| Central/rear silencer                           | 92                           |
| Charge air cooler                               | 119                          |
| Clutch master cylinder                          | 85                           |
| Clutch plate                                    | 80                           |
| Clutch releaser                                 | 83                           |
| Clutch servo                                    | 87                           |
| Complete mirror system                          | 532                          |
| Compressor                                      | 398                          |
| Condenser                                       | 525                          |
| Coolant thermostat                              | 139                          |
| Coupling pressure plate                         | 80                           |
| Coupling rod                                    | 324                          |
| Deflection pulley/guide pulley                  | 10                           |
| Dehumidification valve                          | 466, 467                     |
| Drag-link                                       | 264, 265, 267                |
| Dryer                                           | 523                          |
| Electrical ballast                              | 513                          |
| Engine bearing                                  | 61                           |
| Engine radiator                                 | 125                          |
| Evaporator                                      | 524                          |
| Fan wheel                                       | 131, 132                     |
| Fastening set for flywheel                      | 75                           |
| Fastening set for wiper bearing                 | 579                          |
| Flat collar nut                                 | 363                          |
| Flexible pipe                                   | 99                           |
| Flywheel                                        | 73, 74                       |
| Flywheel race                                   | 20                           |
| Four-circuit protection valve                   | 415                          |
| Front pipe                                      | 96                           |
| Fuel filter                                     | 147, 149, 150                |
| Glass unit for main mirror                      | 532, 539                     |
| Guide bearing                                   | 77                           |
| H4 main headlamp                                | 171                          |
| Hand brake valve                                | 430                          |
| Heat exchanger                                  | 518, 519                     |
| Heater Motor                                    | 513, 514, 515                |
| Hose clip                                       | 122                          |
| Hydraulic filter                                | 155, 156                     |
| Indicator light                                 | 192                          |
| Indicator switch                                | 251, 252                     |
| Injection nozzle fitting                        | 69                           |
| Main mirror                                     | 539, 540                     |
| Membrane                                        | 454                          |
| Membrane brake cylinder                         | 449                          |
| Motor coach brake valve                         | 427                          |
| Muffler                                         | 447                          |
| Non-return valve                                | 444                          |
| Numberplate lamp                                | 220                          |
| Oil filter                                      | 145                          |
| Particulate filter                              | 94                           |
| Poly-V belt tensioner                           | 8                            |
| Position light                                  | 189                          |
| Power-steering pump                             | 288                          |
| Pressure control valve                          | 434                          |
| Quick-release valve                             | 445                          |
| Rear fog lamp                                   | 211                          |
| Relay valve                                     | 439, 440                     |
| Release fork                                    | 84                           |
| Repair kit for brake shoe roller                | 502                          |
| Repair kit for brake slack adjuster             | 509                          |
| Repair kit for wheel hub                        | 353                          |
| Repair kit Kingpin                              | 338                          |
| Reset spring                                    | 504                          |
| Reset spring set                                | 504                          |
| Sealing ring for brake shoe pin                 | 504                          |
| Shaft sealing ring                              | 354, 358                     |
| Shock absorber                                  | 393                          |
| Side light/indicator lens for H4 main headlight | 171                          |
| Slack adjuster                                  | 508                          |
| Solenoid valve                                  | 437                          |
| Speed sensor                                    | 342                          |
| Starter Motor                                   | 231, 232, 235, 237           |
| Steering damper                                 | 286                          |
| Steering Track Rod                              | 272                          |
| Surge tank                                      | 127                          |
| Tailpipe                                        | 102                          |
| Tapered roller bearing                          | 350                          |
| Trailing arm                                    | 295, 297, 305, 306, 308      |
| Transverse link                                 | 320, 321                     |
| Unit injector                                   | 69                           |
| W clip                                          | 361                          |
| Washer fluid pump                               | 573, 574                     |
| Water pump                                      | 134, 135                     |
| Water trap                                      | 468                          |
| Wheel bolt                                      | 360                          |
| Wheel hub                                       | 349                          |
| Wiper arm                                       | 579                          |
| Wiper blade                                     | 581, 582                     |
| Wiper motor                                     | 574                          |
| Wiper rods                                      | 576                          |

#### **MERCEDES-BENZ Integro II (O 550) [2005-]**

|                                 |                    |
|---------------------------------|--------------------|
| 'A' frame                       | 315                |
| ABS ring                        | 342                |
| Air dryer                       | 408, 410           |
| Air filter                      | 153                |
| Air spring bellows              | 384, 385, 388      |
| Air-conditioning compressor     | 521                |
| Alternator                      | 241, 242           |
| Attachment screw for brake disc | 494                |
| Attachment screw for flywheel   | 75                 |
| Ball joint                      | 274, 275, 282      |
| Blowoff valve                   | 421, 422, 423      |
| Brake caliper                   | 484, 485, 486, 487 |
| Brake disc                      | 491, 493, E3387494 |
| Brake pad set                   | 497, 498           |
| Bumper                          | 559                |
| Cabin filter                    | 160                |
| Cabin filter/pollen filter      | 159                |
| Charge air cooler               | 118, 119           |
| Clearance light                 | 200                |
| Clutch kit                      | 78                 |

|                               |               |
|-------------------------------|---------------|
| Clutch master cylinder        | 85            |
| Clutch releaser               | 83            |
| Clutch servo                  | 86            |
| Combination brake cylinder    | 462           |
| Compressor                    | 398           |
| Condenser                     | 525           |
| Coolant thermostat            | 139           |
| Coupling rod                  | 325           |
| Dryer                         | 523           |
| ECAS solenoid valve           | 372           |
| Evaporator                    | 524           |
| Exhaust pipe clamp            | 106           |
| Fan wheel                     | 131           |
| Fastening set for flywheel    | 75            |
| Flywheel                      | 73, 74        |
| Flywheel race                 | 20            |
| Foot brake valve              | 428           |
| Four-circuit protection valve | 416, 418      |
| Front pipe                    | 95, 96        |
| Fuel filter                   | 147, 149      |
| Guide bearing                 | 77            |
| Guide sealing set             | 489           |
| H1 fog light                  | 179           |
| H7 main headlamp              | 170           |
| Hand brake valve              | 430           |
| Heat exchanger                | 518           |
| Heater Motor                  | 514           |
| Impact corner                 | 559           |
| Indicator light               | 193           |
| Indicator switch              | 251, 252      |
| LED side marker light         | 196           |
| Main mirror                   | 543           |
| Membrane brake cylinder       | 453           |
| Mirror glass                  | 534, 543      |
| Oil filter                    | 145           |
| Poly-V belt tensioner         | 8             |
| Pressure control valve        | 434           |
| Pressure pad set              | 490           |
| Quick-release valve           | 446           |
| Radiator fan coupling         | 133           |
| Rear silencer                 | 93            |
| Relay valve                   | 439, 440      |
| Release fork                  | 84            |
| Repair kit for wheel hub      | 353           |
| Rolling piston                | 391           |
| Safety plate                  | 359           |
| Shaft sealing ring            | 355, 356, 357 |
| Shock absorber                | 392, 394      |
| Solenoid valve                | 436, 437      |
| Speed sensor                  | 343, 346      |
| Stabiliser bearing section    | 334           |
| Starter Motor                 | 232, 237      |
| Steering Track Rod            | 269, 271      |
| Surge tank                    | 127           |
| Tailpipe                      | 102, 103      |
| Tapered roller bearing        | 350, 351      |
| Tension roller                | 7             |
| Trailing arm                  | 296, 302      |
| Transverse link               | 320           |
| Unit injector                 | 69            |
| Urea filter                   | 151           |
| Water pump                    | 135           |
| Wheel bolt                    | 360           |
| Wheel hub                     | 349           |
| Wiper arm                     | 579           |
| Wiper bearing                 | 578           |
| Wiper blade                   | 582           |
| Wiper motor                   | 575           |
| Wiper rods                    | 576           |

**MERCEDES-BENZ Intouro I (O 560) [1999-]**

|                                                |                    |
|------------------------------------------------|--------------------|
| 'A' frame                                      | 315                |
| Alternator                                     | 243                |
| Ball joint                                     | 275, 284           |
| Brake pad set                                  | 497                |
| Cabin filter/pollen filter                     | 159                |
| Control unit                                   | 526                |
| Coupling rod                                   | 323, 325           |
| Repair kit for trailing link for trailing link | 310                |
| Repair kit for transverse link                 | 322                |
| Safety plate                                   | 359                |
| Starter Motor                                  | 231                |
| Steering Track Rod                             | 271                |
| Trailing arm                                   | 296, 302, 307      |
| Transverse link                                | 316, 318, 319, 320 |

**MERCEDES-BENZ Intouro II [2007-]**

|                               |               |
|-------------------------------|---------------|
| ABS ring                      | 342           |
| Air dryer                     | 410           |
| Air spring bellows            | 385, 386      |
| Air-conditioning compressor   | 521           |
| Alternator                    | 247           |
| Attachment screw for flywheel | 75            |
| Axial fan                     | 512           |
| Ball joint                    | 274, 275      |
| Blowoff valve                 | 421           |
| Brake anchor plate            | 487           |
| Brake caliper                 | 485, 487      |
| Brake disc                    | 491, 493, 494 |
| Brake pad set                 | 497, 498      |
| Central/rear silencer         | 92            |
| Clutch plate                  | 81            |
| Clutch servo                  | 86            |
| Combination brake cylinder    | 462           |
| Compressor                    | 398, 402      |
| Coolant thermostat            | 139           |
| Coupling pressure plate       | 80            |
| Coupling rod                  | 323           |
| Dehumidification valve        | 466, 467      |
| Dryer                         | 522           |
| ECAS path sensor              | 374           |
| Evaporator                    | 524           |
| Exhaust pipe                  | 101           |
| Exhaust pipe clamp            | 106           |
| Flywheel                      | 73            |
| Foot brake valve              | 428           |
| Four-circuit protection valve | 416           |
| Front pipe                    | 95            |
| Fuel filter                   | 147, 149      |
| Gas spring                    | 563           |
| Glass unit for main mirror    | 539           |
| H7 fog light                  | 180           |
| Hand brake valve              | 430           |
| Headlamp insert               | 172, 177      |
| Heat exchanger                | 518           |
| Heater Motor                  | 514           |
| Hydraulic filter              | 155           |
| Impact corner                 | 559           |
| Indicator light               | 184, 193      |
| Indicator switch              | 252           |
| LED side marker light         | 196           |
| Main mirror                   | 539, 540      |
| Non-return valve              | 445           |
| Oil filter                    | 145           |
| Poly-V belt tensioner         | 8             |
| Power-steering pump           | 290           |
| Pressure control valve        | 434           |
| Quick-release valve           | 446           |
| Relay valve                   | 439           |

|                            |           |
|----------------------------|-----------|
| Repair kit for fuel pump   | .68       |
| Rolling piston             | .391      |
| Shaft sealing ring         | .355      |
| Solenoid valve             | 435, 436  |
| Stabiliser bearing section | .334      |
| Starter Motor              | .240      |
| Steering Track Rod         | .271      |
| Surge tank                 | .127      |
| Tailpipe                   | .103      |
| Tapered roller bearing     | .350, 351 |
| Trailing arm               | 296, 302  |
| Urea filter                | .151      |
| Water pump                 | .137      |
| Wheel bolt                 | .360      |
| Wheel hub                  | .349      |
| Wiper arm                  | .579      |
| Wiper bearing              | .578      |
| Wiper blade                | .581, 582 |
| Wiper motor                | .575      |

#### MERCEDES-BENZ O 404

|                                                |                    |
|------------------------------------------------|--------------------|
| Air filter                                     | .152               |
| Air spring bellows                             | 384, 387           |
| Air spring valve                               | .375               |
| Alternator                                     | .241               |
| Ball joint                                     | .281               |
| Brake caliper                                  | 480, 481, 482, 483 |
| Brake drum                                     | .501               |
| Brake pad set                                  | 495, 498           |
| Brake shoe pin                                 | .503               |
| Cabin filter                                   | .160               |
| Clutch master cylinder                         | .85                |
| Clutch plate                                   | .81                |
| Clutch releaser                                | .83                |
| Combination brake cylinder                     | .464               |
| Coolant thermostat                             | .139               |
| Coupling rod                                   | .324               |
| Cover lid                                      | .129               |
| Drag-link                                      | .267               |
| Exhaust pipe                                   | .102               |
| Flat collar nut                                | .363               |
| Flexible pipe                                  | .99                |
| Four-circuit protection valve                  | .417               |
| Hydraulic filter                               | .156               |
| Indicator switch                               | .251, 252          |
| Intake-manifold gasket                         | .123               |
| Main mirror                                    | .541               |
| Membrane                                       | .454               |
| Membrane brake cylinder                        | .454               |
| Motor coach brake valve                        | .427               |
| Muffler                                        | .447               |
| Oil cooler                                     | .64                |
| Oil pump                                       | .66                |
| Position light                                 | .189               |
| Pressure control valve                         | .434               |
| Pressure regulator                             | .415               |
| Repair kit for A-arm                           | .316               |
| Repair kit for trailing link for trailing link | .311               |
| Retainer ring                                  | .362               |
| Rolling piston                                 | .391               |
| Secondary air filter                           | .154               |
| Shaft sealing ring                             | 354, 355           |
| Stabilizer mounting                            | .333               |
| Starter Motor                                  | .231, 234          |
| Steering Track Rod                             | .270, 271          |
| Tapered roller bearing                         | .350               |
| Trailing arm                                   | 302, 309           |
| Wheel bolt                                     | 360, 361           |
| Wheel hub sealing ring                         | .354               |
| Wheel nut                                      | .361, 363          |
| Wiper blade                                    | .582               |

|                  |      |
|------------------|------|
| Working cylinder | .114 |
|------------------|------|

#### MERCEDES-BENZ O 405 N

|                               |                              |
|-------------------------------|------------------------------|
| Air dryer                     | .408, 411                    |
| Air filter                    | .152, 153                    |
| Air spring bellows            | 384, 385                     |
| Air spring valve              | .375                         |
| ALB controller                | .437                         |
| Alternator                    | .241, 242                    |
| Attachment screw for flywheel | .75                          |
| Axial fan                     | .512                         |
| Ball joint                    | 273, 275, 276, 278, 281, 284 |
| Blower motor                  | .516, 517                    |
| Blowoff valve                 | .423                         |
| Brake camshaft                | .507                         |
| Brake drum                    | .501                         |
| Brake lining set              | .505                         |
| Brake pad sensor              | .506                         |
| Bumper                        | .552                         |
| Cabin filter                  | .161                         |
| Central/rear silencer         | .92                          |
| Charge air cooler             | .118                         |
| Charge air hose               | .119                         |
| Clutch kit                    | .78                          |
| Clutch plate                  | .81                          |
| Combination brake cylinder    | 458, 463                     |
| Compressor                    | .402                         |
| Condenser                     | .525                         |
| Coolant thermostat            | .139                         |
| Cover lid                     | .129                         |
| Dehumidification valve        | 466, 467                     |
| Drag-link                     | 264, 265, 267                |
| Dryer                         | .522                         |
| ECAS solenoid valve           | .372                         |
| Electrical ballast            | .516, 517                    |
| Engine bearing                | .61                          |
| Engine cover                  | .553                         |
| Engine radiator               | .125                         |
| Exhaust pipe                  | 100, 101, 102                |
| Exhaust pipe clamp            | 105, 106                     |
| Fastening set for flywheel    | .75                          |
| Flat collar nut               | .363                         |
| Flexible pipe                 | .99                          |
| Flywheel race                 | .20                          |
| Foot brake valve              | .428                         |
| Four-circuit protection valve | .416                         |
| Fuel filter                   | 147, 150                     |
| Gas spring                    | 562, 563                     |
| Guide bearing                 | .76, 77                      |
| H4 main headlamp              | .169                         |
| Hand brake valve              | .430                         |
| Hand feed pump                | .67                          |
| Heat exchanger                | .518                         |
| Heater Motor                  | .515                         |
| Hose clip                     | 120, 122                     |
| Hydraulic filter              | .155                         |
| Impact corner                 | .552                         |
| Indicator light               | 185, 215                     |
| Indicator switch              | .252                         |
| Injection nozzle fitting      | .69                          |
| Intake-manifold gasket        | .123                         |
| Kingpin                       | .336                         |
| LED side marker light         | .196                         |
| Main mirror                   | 541, 542                     |
| Membrane                      | .454                         |
| Membrane brake cylinder       | .449                         |
| Mirror glass                  | 542, 544                     |
| Motor coach brake valve       | .427                         |
| Oil filter                    | 144, 145                     |
| Oil pump                      | .66                          |
| Overflow valve                | .424                         |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Position light                                | 187                |
| Power-steering pump                           | 287                |
| Pressure control valve                        | 434                |
| Pressure regulator                            | 415                |
| Quick-release valve                           | 445                |
| Radiator fan                                  | 130, 131           |
| Rear light                                    | 201                |
| Relay valve                                   | 439, 440           |
| Repair kit for poly-V-belt tensioner          | 10                 |
| Repair kit for trailing link                  | 312                |
| Repair kit Kingpin                            | 337                |
| Reset spring                                  | 504                |
| Retainer ring                                 | 362                |
| Reversing light                               | 209                |
| Shaft sealing ring                            | 354, 355, 356, 358 |
| Shock absorber                                | 392, 393           |
| Side light/indicator lens for main headlights | 169                |
| Side marker light                             | 197                |
| Slack adjuster                                | 508                |
| Snatch lock                                   | 562                |
| Solenoid valve                                | 437                |
| Spacer                                        | 509                |
| Speed sensor                                  | 342, 343, 346      |
| Starter Motor                                 | 231                |
| Steering damper                               | 286                |
| Steering Track Rod                            | 272                |
| Surge tank                                    | 127                |
| Tailpipe                                      | 103                |
| Tapered roller bearing                        | 350                |
| Trailing arm                                  | 297, 299, 305, 308 |
| Transverse link                               | 318, 321           |
| Water pump                                    | 135                |
| Water trap                                    | 468                |
| Wheel bolt                                    | 360                |
| Wheel hub                                     | 349                |
| Wheel hub sealing ring                        | 354                |
| Wiper arm                                     | 579, 580           |
| Wiper bearing                                 | 578                |
| Wiper blade                                   | 581, 582           |
| Wiper motor                                   | 574                |
| Wiper rods                                    | 576                |

#### MERCEDES-BENZ O 407

|                            |                    |
|----------------------------|--------------------|
| Air dryer                  | 408, 411           |
| Air filter                 | 152, 153           |
| Air spring bellows         | 384, 385           |
| Air spring valve           | 375                |
| Alternator                 | 241, 242           |
| Ball joint                 | 275, 276, 278, 284 |
| Blower motor               | 517                |
| Blowoff valve              | 423                |
| Brake camshaft             | 507                |
| Brake drum                 | 501                |
| Brake lining set           | 505                |
| Brake pad sensor           | 506                |
| Brake shoe pin             | 503                |
| Bumper                     | 552                |
| Cabin filter               | 161                |
| Central/rear silencer      | 92                 |
| Charge air cooler          | 118                |
| Charge air hose            | 119                |
| Clutch master cylinder     | 85                 |
| Clutch plate               | 81                 |
| Clutch releaser            | 83                 |
| Clutch servo               | 87                 |
| Clutch slave cylinder      | 86                 |
| Combination brake cylinder | 458, 463           |
| Compressor                 | 402                |
| Coolant thermostat         | 139                |
| Coupling pressure plate    | 80                 |
| Cover lid                  | 129                |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Dehumidification valve                        | 466, 467           |
| Drag-link                                     | 264                |
| Electrical ballast                            | 516, 517           |
| Engine cover                                  | 553                |
| Engine radiator                               | 125                |
| Exhaust pipe                                  | 100, 101, 102      |
| Exhaust pipe clamp                            | 105, 106           |
| Fastening set for flywheel                    | 75                 |
| Flat collar nut                               | 363                |
| Flexible pipe                                 | 99                 |
| Flywheel                                      | 73                 |
| Four-circuit protection valve                 | 416                |
| Front flap                                    | 552                |
| Front pipe                                    | 96                 |
| Fuel filter                                   | 147                |
| Gas spring                                    | 562, 563           |
| Guide bearing                                 | 77                 |
| H4 main headlamp                              | 169                |
| Hand brake valve                              | 430                |
| Hand feed pump                                | 67                 |
| Heat exchanger                                | 518                |
| Hydraulic filter                              | 155                |
| Impact corner                                 | 552                |
| Indicator light                               | 185, 192, 215, 216 |
| Indicator switch                              | 252                |
| Injection nozzle fitting                      | 69                 |
| Intake-manifold gasket                        | 123                |
| Main mirror                                   | 541, 543           |
| Membrane                                      | 454                |
| Membrane brake cylinder                       | 449                |
| Mirror glass                                  | 541                |
| Motor coach brake valve                       | 427                |
| Muffler                                       | 447                |
| Oil filter                                    | 144, 145           |
| Position light                                | 187, 218           |
| Power-steering pump                           | 287, 290           |
| Pressure control valve                        | 434                |
| Pressure regulator                            | 415                |
| Quick-release valve                           | 445, 446           |
| Radiator fan                                  | 130                |
| Rear fog lamp                                 | 211                |
| Rear light                                    | 201                |
| Relay valve                                   | 440                |
| Release fork                                  | 84                 |
| Repair kit for brake shoe roller              | 502                |
| Repair kit for compressor                     | 403                |
| Repair kit for wheel hub                      | 353                |
| Repair kit Kingpin                            | 338                |
| Reset spring                                  | 504                |
| Retainer ring                                 | 362                |
| Reversing light                               | 209                |
| Safety plate                                  | 503                |
| Shaft sealing ring                            | 354, 355, 356, 358 |
| Shock absorber                                | 392, 393           |
| Side light/indicator lens for main headlights | 169                |
| Side marker light                             | 197                |
| Slack adjuster                                | 508                |
| Snatch lock                                   | 562                |
| Solenoid valve                                | 437                |
| Speed sensor                                  | 342, 343           |
| Starter Motor                                 | 231                |
| Steering damper                               | 286                |
| Steering Track Rod                            | 272                |
| Surge tank                                    | 127                |
| Tailpipe                                      | 103                |
| Tapered roller bearing                        | 350                |
| Trailing arm                                  | 295, 300, 305, 310 |
| Transverse link                               | 317                |
| W clip                                        | 361                |
| Warning contact set                           | 506                |
| Water pump                                    | 134                |

|                        |          |
|------------------------|----------|
| Wheel bolt             | 360      |
| Wheel hub              | 349      |
| Wheel hub sealing ring | 354      |
| Wheel nut              | 361      |
| Wiper arm              | 579      |
| Wiper bearing          | 578      |
| Wiper blade            | 581, 582 |
| Wiper motor            | 574      |
| Wiper rods             | 576      |
| Working cylinder       | 114      |

## MERCEDES-BENZ O 408

|                               |                    |
|-------------------------------|--------------------|
| Air dryer                     | 408, 411           |
| Air filter                    | 152, 153           |
| Air spring bellows            | 384, 385           |
| Air spring valve              | 375                |
| Alternator                    | 241, 242           |
| Antifreeze pump               | 409                |
| Attachment screw for flywheel | 75                 |
| Ball joint                    | 276, 278, 282, 284 |
| Blower motor                  | 516, 517           |
| Brake camshaft                | 507                |
| Brake drum                    | 501                |
| Brake lining set              | 505                |
| Brake pad sensor              | 506                |
| Brake shoe pin                | 503                |
| Bumper                        | 552                |
| Bushing                       | 310                |
| Cabin filter                  | 161                |
| Central/rear silencer         | 92                 |
| Charge air cooler             | 118                |
| Charge air hose               | 119                |
| Clutch master cylinder        | 85                 |
| Clutch plate                  | 81                 |
| Clutch releaser               | 83                 |
| Clutch servo                  | 87                 |
| Clutch slave cylinder         | 86                 |
| Combination brake cylinder    | 458, 463           |
| Compressor                    | 402                |
| Coolant thermostat            | 139                |
| Coupling pressure plate       | 80                 |
| Cover lid                     | 129                |
| Dehumidification valve        | 466                |
| Drag-link                     | 264                |
| Electrical ballast            | 517                |
| Engine cover                  | 553                |
| Engine radiator               | 125                |
| Exhaust pipe                  | 100, 102           |
| Exhaust pipe clamp            | 105, 106           |
| Exhaust pipe socket           | 99                 |
| Fastening set for flywheel    | 75                 |
| Flat collar nut               | 363                |
| Flexible pipe                 | 99                 |
| Flywheel                      | 73                 |
| Four-circuit protection valve | 416                |
| Front flap                    | 552                |
| Front pipe                    | 96                 |
| Fuel filter                   | 147, 150           |
| Gas spring                    | 563                |
| Guide bearing                 | 76, 77             |
| H4 main headlamp              | 169                |
| Hand brake valve              | 430                |
| Hand feed pump                | 67                 |
| Heat exchanger                | 518                |
| Heater Motor                  | 515                |
| Hydraulic filter              | 155                |
| Impact corner                 | 552                |
| Indicator light               | 185, 192           |
| Indicator switch              | 252                |
| Intake-manifold gasket        | 123                |
| LED side marker light         | 196                |

|                                               |                    |
|-----------------------------------------------|--------------------|
| Main mirror                                   | 542, 544           |
| Membrane                                      | 454                |
| Membrane brake cylinder                       | 449                |
| Mirror glass                                  | 542                |
| Motor coach brake valve                       | 427                |
| Muffler                                       | 447                |
| Numberplate lamp                              | 220                |
| Oil cooler                                    | 64                 |
| Oil filter                                    | 144, 145           |
| Oil pump                                      | 66                 |
| Pipe clip                                     | 108                |
| Position light                                | 189, 218           |
| Power-steering pump                           | 287, 290           |
| Pressure control valve                        | 434                |
| Pressure regulator                            | 415                |
| Quick-release valve                           | 445, 446           |
| Radiator fan                                  | 130                |
| Relay valve                                   | 440                |
| Release fork                                  | 84                 |
| Repair kit for brake shoe roller              | 502                |
| Repair kit for water separator                | 469                |
| Repair kit for wheel hub                      | 353                |
| Repair kit Kingpin                            | 339                |
| Reset spring                                  | 504                |
| Retainer ring                                 | 362                |
| Shaft sealing ring                            | 354, 355, 356, 358 |
| Shock absorber                                | 392, 393           |
| Side light/indicator lens for main headlights | 169                |
| Side marker light                             | 197                |
| Slack adjuster                                | 508                |
| Snatch lock                                   | 562                |
| Solenoid valve                                | 437                |
| Starter Motor                                 | 231                |
| Steering damper                               | 286                |
| Steering Track Rod                            | 272                |
| Surge tank                                    | 127                |
| Tailpipe                                      | 102, 103           |
| Tapered roller bearing                        | 350                |
| Trailing arm                                  | 295, 300, 305, 310 |
| Transverse link                               | 317                |
| W clip                                        | 361                |
| Warning contact set                           | 506                |
| Water pump                                    | 134, 135           |
| Wheel bolt                                    | 360                |
| Wheel hub sealing ring                        | 354                |
| Wheel nut                                     | 361, 363           |
| Wiper arm                                     | 579                |
| Wiper bearing                                 | 578                |
| Wiper blade                                   | 581, 582           |
| Wiper motor                                   | 574                |
| Wiper rods                                    | 576                |
| Working cylinder                              | 114                |

## MERCEDES-BENZ Tourino (O 510)

|                                 |                    |
|---------------------------------|--------------------|
| Adjustment mechanism            | 377                |
| Air dryer                       | 406, 408, 410, 411 |
| Air filter                      | 153, 154           |
| Air spring valve                | 375                |
| Air treatment unit              | 405                |
| Air-conditioning compressor     | 521                |
| Alternator                      | 242, 247           |
| Attachment screw for brake disc | 494                |
| Attachment screw for flywheel   | 75                 |
| Axial fan                       | 512                |
| Ball joint                      | 275, 276           |
| Blowoff valve                   | 422                |
| Brake caliper                   | 485                |
| Brake disc                      | 491, 492           |
| Brake pad set                   | 498                |
| Bushing for stabiliser bearing  | 335                |
| Cabin filter                    | 160                |



|                                                      |                    |                                                       |                         |
|------------------------------------------------------|--------------------|-------------------------------------------------------|-------------------------|
| Cabin filter/pollen filter . . . . .                 | 159                | Adjustment mechanism for headlamp levelling . . . . . | 175                     |
| Central/rear silencer . . . . .                      | 92                 | Air dryer . . . . .                                   | 406, 408, 411           |
| Charge air hose . . . . .                            | 119                | Air filter . . . . .                                  | 152, 153, 154           |
| Clutch master cylinder . . . . .                     | 85                 | Air spring bellows . . . . .                          | 384, 385, 387           |
| Clutch plate . . . . .                               | 81                 | Air spring valve . . . . .                            | 375                     |
| Clutch servo . . . . .                               | 86                 | Air-conditioning compressor . . . . .                 | 521                     |
| Combination brake cylinder . . . . .                 | 455                | Alternator . . . . .                                  | 241, 242, 247           |
| Compressor . . . . .                                 | 398, 402           | Attachment screw for brake disc . . . . .             | 494                     |
| Connecting plate . . . . .                           | 577                | Attachment wedge . . . . .                            | 547                     |
| Coolant thermostat . . . . .                         | 139                | Axial fan . . . . .                                   | 512                     |
| Coupling pressure plate . . . . .                    | 80                 | Axle nut . . . . .                                    | 359                     |
| Dehumidification valve . . . . .                     | 467                | Ball joint . . . . .                                  | 275, 276, 281, 284      |
| Dryer . . . . .                                      | 523                | Brake caliper . . . . .                               | 480, 481, 482, 483, 486 |
| EBS axle modulator . . . . .                         | 431                | Brake disc . . . . .                                  | 491, 493, 494           |
| EBS foot brake module . . . . .                      | 429                | Brake light . . . . .                                 | 206                     |
| EBS relay valve . . . . .                            | 441                | Brake pad set . . . . .                               | 495, 496, 497, 498      |
| Evaporator . . . . .                                 | 524                | Brake shoe pin . . . . .                              | 503                     |
| Exhaust pipe clamp . . . . .                         | 105, 106           | Cabin filter . . . . .                                | 160, 161                |
| Fan wheel . . . . .                                  | 131                | Cabin filter/pollen filter . . . . .                  | 159                     |
| Flywheel . . . . .                                   | 73                 | Central/rear silencer . . . . .                       | 92                      |
| Four-circuit protection valve . . . . .              | 417                | Charge air cooler . . . . .                           | 118                     |
| Fuel filter . . . . .                                | 147, 149           | Charge air hose . . . . .                             | 119                     |
| Glass unit for main mirror . . . . .                 | 532                | Clutch master cylinder . . . . .                      | 85                      |
| Glass unit suitable for wide angle mirror . . . . .  | 532                | Clutch plate . . . . .                                | 81                      |
| Guide sealing set . . . . .                          | 489                | Clutch releaser . . . . .                             | 83                      |
| Hand brake valve . . . . .                           | 430                | Clutch servo . . . . .                                | 87                      |
| Heat exchanger . . . . .                             | 519                | Combination brake cylinder . . . . .                  | 464                     |
| Heater Motor . . . . .                               | 514, 515           | Complete mirror system . . . . .                      | 532, 533                |
| Hose clip . . . . .                                  | 120                | Compressor . . . . .                                  | 398                     |
| Hydraulic filter . . . . .                           | 155                | Coolant thermostat . . . . .                          | 139                     |
| Indicator light . . . . .                            | 193, 214           | Coupling pressure plate . . . . .                     | 78, 80                  |
| Indicator switch . . . . .                           | 251, 252           | Coupling rod . . . . .                                | 324                     |
| LED side marker light . . . . .                      | 196                | Cover cap . . . . .                                   | 533                     |
| Membrane . . . . .                                   | 454                | Deflection pulley/guide pulley . . . . .              | 10                      |
| Motor coach brake valve . . . . .                    | 427                | Dehumidification valve . . . . .                      | 466, 467                |
| Oil cooler . . . . .                                 | 64                 | Drag-link . . . . .                                   | 267                     |
| Oil filter . . . . .                                 | 145                | Dryer . . . . .                                       | 523                     |
| Poly-V belt tensioner . . . . .                      | 8, 9               | ECAS solenoid valve . . . . .                         | 372                     |
| Position light . . . . .                             | 187, 188           | Engine radiator . . . . .                             | 125                     |
| Power-steering pump . . . . .                        | 287, 290           | Evaporator . . . . .                                  | 523, 524                |
| Pressure control valve . . . . .                     | 434                | Exhaust pipe . . . . .                                | 101                     |
| Pressure pad set . . . . .                           | 490                | Exhaust pipe clamp . . . . .                          | 105, 106                |
| Rear fog lamp . . . . .                              | 212                | Fan wheel . . . . .                                   | 131                     |
| Rear light . . . . .                                 | 201                | Fastening set for flywheel . . . . .                  | 75                      |
| Relay valve . . . . .                                | 439                | Fastening set for wiper bearing . . . . .             | 579                     |
| Reversing light . . . . .                            | 209                | Flat collar nut . . . . .                             | 363                     |
| Shaft sealing ring . . . . .                         | 355                | Flywheel . . . . .                                    | 73                      |
| Silencer . . . . .                                   | 94                 | Flywheel race . . . . .                               | 20                      |
| Solenoid valve . . . . .                             | 436                | Four-circuit protection valve . . . . .               | 415, 417                |
| Speed sensor . . . . .                               | 342                | Front pipe . . . . .                                  | 95                      |
| Stabilizer mounting . . . . .                        | 329, 333           | Fuel filter . . . . .                                 | 147, 149, 150           |
| Starter Motor . . . . .                              | 232, 235, 239, 240 | Glass unit for main mirror . . . . .                  | 531                     |
| Surge tank . . . . .                                 | 127                | Guide bearing . . . . .                               | 77                      |
| Tapered roller bearing . . . . .                     | 350, 351           | Guide sealing set . . . . .                           | 489                     |
| TORX® hexagon bolt for brake disc mounting . . . . . | 495                | Hand brake valve . . . . .                            | 429                     |
| Urea filter . . . . .                                | 151                | Heat exchanger . . . . .                              | 519                     |
| Washer fluid pump . . . . .                          | 573, 574           | Heater Motor . . . . .                                | 514, 515                |
| Water pump . . . . .                                 | 134, 137           | Heating valve . . . . .                               | 520                     |
| Wheel bearing set . . . . .                          | 352                | Indicator light . . . . .                             | 192                     |
| Wheel bolt . . . . .                                 | 360                | Indicator switch . . . . .                            | 251, 252                |
| Wheel hub sealing ring . . . . .                     | 354                | Injection nozzle fitting . . . . .                    | 69                      |
| Wiper arm . . . . .                                  | 580                | Interior fan . . . . .                                | 590                     |
| Wiper bearing . . . . .                              | 578                | Main mirror . . . . .                                 | 539                     |
| Wiper blade . . . . .                                | 581, 582           | Membrane . . . . .                                    | 454                     |
| Wiper motor . . . . .                                | 575                | Membrane brake cylinder . . . . .                     | 454                     |
| Wiper rods . . . . .                                 | 577                | Motor coach brake valve . . . . .                     | 427                     |
|                                                      |                    | Muffler . . . . .                                     | 447                     |
|                                                      |                    | Non-return valve . . . . .                            | 444                     |
|                                                      |                    | Numberplate lamp . . . . .                            | 220                     |
|                                                      |                    | Oil filter . . . . .                                  | 145, 146                |
|                                                      |                    | Poly-V belt tensioner . . . . .                       | 9                       |
| <b>MERCEDES-BENZ Turismo I (O 350) [1994-2006]</b>   |                    |                                                       |                         |
| 2-way valve . . . . .                                | 442                |                                                       |                         |
| 'A' frame . . . . .                                  | 315                |                                                       |                         |
| ABS ring . . . . .                                   | 341, 342           |                                                       |                         |

|                                                |                    |
|------------------------------------------------|--------------------|
| Position light                                 | 189                |
| Power-steering pump                            | 287, 288           |
| Pressure control valve                         | 434                |
| Pressure pad set                               | 490                |
| Pressure regulator                             | 415                |
| Quick-release valve                            | 445                |
| Radiator fan                                   | 130, 131           |
| Rear fog lamp                                  | 211                |
| Rear silencer                                  | 93                 |
| Rectangular reflector                          | 222                |
| Relay valve                                    | 440                |
| Release fork                                   | 84                 |
| Repair kit for A-arm                           | 316                |
| Repair kit for brake calipers                  | 488                |
| Repair kit for brake slack adjuster            | 509                |
| Repair kit for trailing link for trailing link | 311                |
| Repair kit for wheel hub                       | 353                |
| Repair kit Kingpin                             | 339                |
| Reversing light                                | 209                |
| Ring                                           | 359                |
| Rolling piston                                 | 391                |
| Rubber bearing for exhaust system              | 110                |
| Safety plate                                   | 359                |
| Shaft sealing ring                             | 354, 355, 356, 357 |
| Shock absorber                                 | 394                |
| Side marker light                              | 197                |
| Silencer                                       | 94                 |
| Solenoid valve                                 | 436                |
| Speed sensor                                   | 346                |
| Stabiliser bearing section                     | 334, 335           |
| Stabilizer mounting                            | 329, 331           |
| Starter Motor                                  | 231, 232, 234, 237 |
| Steering damper                                | 286                |
| Steering Track Rod                             | 269, 270, 271      |
| Surge tank                                     | 127                |
| Tailpipe                                       | 103                |
| Tapered roller bearing                         | 350, 351           |
| Tension roller                                 | 7                  |
| Trailing arm                                   | 302, 309           |
| Transverse link                                | 321                |
| Unit injector                                  | 69                 |
| Water pump                                     | 134, 135           |
| Water trap                                     | 468                |
| Wheel bolt                                     | 360, 361           |
| Wiper arm                                      | 579                |
| Wiper blade                                    | 581, 582           |
| Wiper motor                                    | 574                |
| Wiper rods                                     | 576                |
| Working cylinder                               | 114                |

#### MERCEDES-BENZ Turismo II [2006-]

|                                 |                    |
|---------------------------------|--------------------|
| 'A' frame                       | 315                |
| ABS ring                        | 342                |
| Air dryer                       | 408, 410           |
| Air filter                      | 153, 154           |
| Air spring bellows              | 384, 385, 386, 388 |
| Air-conditioning compressor     | 521                |
| Alternator                      | 241, 247           |
| Attachment screw for brake disc | 494                |
| Axial fan                       | 512                |
| Ball joint                      | 274, 275, 279, 282 |
| Blowoff valve                   | 423                |
| Brake caliper                   | 484, 485, 487      |
| Brake disc                      | 491, 493, 494      |
| Brake pad set                   | 497, 498           |
| Bumper                          | 559                |
| Charge air cooler               | 118, 119           |
| Charge air hose                 | 119, 120           |
| Clearance light                 | 199, 200           |
| Clutch kit                      | 78                 |
| Clutch master cylinder          | 85                 |

|                                |          |
|--------------------------------|----------|
| Clutch plate                   | 81       |
| Clutch releaser                | 83       |
| Clutch servo                   | 86, 87   |
| Combination brake cylinder     | 462      |
| Compressor                     | 398      |
| Condenser                      | 525      |
| Coolant thermostat             | 139      |
| Coupling pressure plate        | 80       |
| Coupling rod                   | 323, 325 |
| Deflection pulley/guide pulley | 10       |
| Dehumidification valve         | 467      |
| Dryer                          | 523      |
| EBS axle modulator             | 431      |
| EBS relay valve                | 441      |
| ECAS path sensor               | 374      |
| Engine radiator                | 125      |
| Evaporator                     | 524      |
| Exhaust pipe clamp             | 106      |
| Fan wheel                      | 131      |
| Flexible pipe                  | 98       |
| Flywheel                       | 73, 74   |
| Foot brake valve               | 428      |
| Four-circuit protection valve  | 416, 418 |
| Front pipe                     | 96       |
| Fuel filter                    | 147, 149 |
| Gas spring                     | 563      |
| Glass unit for main mirror     | 532      |
| Guide bearing                  | 77       |
| Guide sealing set              | 489      |
| H1 fog light                   | 179      |
| H7 main headlamp               | 170      |
| Hand brake valve               | 430      |
| Heat exchanger                 | 518      |
| Heater Motor                   | 514      |
| Hose clip                      | 122      |
| Hydraulic filter               | 155, 156 |
| Impact corner                  | 559      |
| Indicator light                | 193, 214 |
| Indicator switch               | 251, 252 |
| Intake hose                    | 123      |
| LED side marker light          | 196      |
| Membrane brake cylinder        | 453      |
| Oil filter                     | 145      |
| Poly-V belt tensioner          | 9        |
| Position light                 | 187, 188 |
| Power-steering pump            | 290, 291 |
| Pressure control valve         | 434      |
| Pressure pad set               | 490      |
| Quick-release valve            | 446      |
| Radiator fan coupling          | 133      |
| Rear silencer                  | 93       |
| Refrigerant collector          | 523      |
| Relay valve                    | 439      |
| Release fork                   | 84       |
| Repair kit for transverse link | 322      |
| Rolling piston                 | 391      |
| Shaft sealing ring             | 355, 356 |
| Shock absorber                 | 392, 394 |
| Snatch lock                    | 562      |
| Solenoid valve                 | 436      |
| Speed sensor                   | 343      |
| Stabiliser bearing section     | 334      |
| Starter Motor                  | 237      |
| Steering Track Rod             | 271      |
| Surge tank                     | 127      |
| Tailpipe                       | 102, 103 |
| Tapered roller bearing         | 350, 351 |
| Trailing arm                   | 296, 302 |
| Transverse link                | 319, 320 |
| Urea filter                    | 151      |
| Washer fluid pump              | 573, 574 |

|               |     |
|---------------|-----|
| Water pump    | 135 |
| Wheel bolt    | 360 |
| Wheel hub     | 349 |
| Wheel nut     | 363 |
| Wiper arm     | 579 |
| Wiper bearing | 578 |
| Wiper blade   | 581 |
| Wiper motor   | 575 |
| Wiper rods    | 576 |

#### **MERCEDES-BENZ Travego I (O 580) [1999-2005]**

|                                 |                    |
|---------------------------------|--------------------|
| 'A' frame                       | 315                |
| ABS ring                        | 342                |
| Air dryer                       | 408, 410           |
| Air filter                      | 153, 154           |
| Air spring bellows              | 384, 385, 386, 388 |
| Air-conditioning compressor     | 521                |
| Alternator                      | 241, 247           |
| Attachment screw for brake disc | 494                |
| Axial fan                       | 512                |
| Ball joint                      | 274, 275, 279, 282 |
| Blowoff valve                   | 423                |
| Brake caliper                   | 484, 485, 487      |
| Brake disc                      | 491, 493, 494      |
| Brake pad set                   | 497, 498           |
| Bumper                          | 559                |
| Charge air cooler               | 118, 119           |
| Charge air hose                 | 119, 120           |
| Clearance light                 | 199, 200           |
| Clutch kit                      | 78                 |
| Clutch master cylinder          | 85                 |
| Clutch plate                    | 81                 |
| Clutch releaser                 | 83                 |
| Clutch servo                    | 86, 87             |
| Combination brake cylinder      | 462                |
| Compressor                      | 398                |
| Condenser                       | 525                |
| Coolant thermostat              | 139                |
| Coupling pressure plate         | 80                 |
| Coupling rod                    | 323, 325           |
| Deflection pulley/guide pulley  | 10                 |
| Dehumidification valve          | 467                |
| Dryer                           | 523                |
| EBS axle modulator              | 431                |
| EBS relay valve                 | 441                |
| ECAS path sensor                | 374                |
| Engine radiator                 | 125                |
| Evaporator                      | 524                |
| Exhaust pipe clamp              | 106                |
| Fan wheel                       | 131                |
| Flexible pipe                   | 98                 |
| Flywheel                        | 73, 74             |
| Foot brake valve                | 428                |
| Four-circuit protection valve   | 416, 418           |
| Front pipe                      | 96                 |
| Fuel filter                     | 147, 149           |
| Gas spring                      | 563                |
| Glass unit for main mirror      | 532                |
| Guide bearing                   | 77                 |
| Guide sealing set               | 489                |
| H1 fog light                    | 179                |
| H7 main headlamp                | 170                |
| Hand brake valve                | 430                |
| Heat exchanger                  | 518                |
| Heater Motor                    | 514                |
| Hose clip                       | 122                |
| Hydraulic filter                | 155, 156           |
| Impact corner                   | 559                |
| Indicator light                 | 193, 214           |
| Indicator switch                | 251, 252           |
| Intake hose                     | 123                |

|                                |          |
|--------------------------------|----------|
| LED side marker light          | 196      |
| Membrane brake cylinder        | 453      |
| Oil filter                     | 145      |
| Poly-V belt tensioner          | 9        |
| Position light                 | 187, 188 |
| Power-steering pump            | 290, 291 |
| Pressure control valve         | 434      |
| Pressure pad set               | 490      |
| Quick-release valve            | 446      |
| Radiator fan coupling          | 133      |
| Rear silencer                  | 93       |
| Refrigerant collector          | 523      |
| Relay valve                    | 439      |
| Release fork                   | 84       |
| Repair kit for transverse link | 322      |
| Rolling piston                 | 391      |
| Shaft sealing ring             | 355, 356 |
| Shock absorber                 | 392, 394 |
| Snatch lock                    | 562      |
| Solenoid valve                 | 436      |
| Speed sensor                   | 343      |
| Stabiliser bearing section     | 334      |
| Starter Motor                  | 237      |
| Steering Track Rod             | 271      |
| Surge tank                     | 127      |
| Tailpipe                       | 102, 103 |
| Tapered roller bearing         | 350, 351 |
| Trailing arm                   | 296, 302 |
| Transverse link                | 319, 320 |
| Urea filter                    | 151      |
| Washer fluid pump              | 573, 574 |
| Water pump                     | 135      |
| Wheel bolt                     | 360      |
| Wheel hub                      | 349      |
| Wheel nut                      | 363      |
| Wiper arm                      | 579      |
| Wiper bearing                  | 578      |
| Wiper blade                    | 581      |
| Wiper motor                    | 575      |
| Wiper rods                     | 576      |

#### **MERCEDES-BENZ Travego II [2005-]**

|                                 |               |
|---------------------------------|---------------|
| Air dryer                       | 410           |
| Air spring bellows              | 385, 386      |
| Air-conditioning compressor     | 521           |
| Alternator                      | 242, 247      |
| Attachment screw for brake disc | 494           |
| Ball joint                      | 275           |
| Brake caliper                   | 484, 485, 487 |
| Brake disc                      | 491, 493, 494 |
| Brake pad set                   | 497, 498      |
| Bumper                          | 559           |
| Charge air cooler               | 118           |
| Clearance light                 | 200           |
| Clutch plate                    | 81            |
| Clutch releaser                 | 83            |
| Clutch servo                    | 87            |
| Combination brake cylinder      | 462           |
| Compressor                      | 398           |
| Condenser                       | 525           |
| Coolant thermostat              | 139           |
| Coupling pressure plate         | 80            |
| Coupling rod                    | 323, 325      |
| Deflection pulley/guide pulley  | 10            |
| EBS axle modulator              | 431           |
| ECAS solenoid valve             | 372, 373      |
| Engine radiator                 | 125           |
| Exhaust pipe clamp              | 106           |
| Fan wheel                       | 131           |
| Flexible pipe                   | 98            |
| Flywheel race                   | 20            |

|                                                            |                    |                                                  |                    |
|------------------------------------------------------------|--------------------|--------------------------------------------------|--------------------|
| Four-circuit protection valve                              | 416                | Clearance light                                  | 200                |
| Front pipe                                                 | 96                 | Combination brake cylinder                       | 455, 459           |
| Glass unit for main mirror                                 | 532                | Complete mirror system                           | 530                |
| Glass unit suitable for wide angle mirror                  | 532                | Compressor                                       | 402                |
| Guide bearing                                              | 77                 | Coolant thermostat                               | 139                |
| Guide sealing set                                          | 489                | Cover for mirror arm                             | 530                |
| H11 fog light                                              | 180                | Deflection pulley/guide pulley                   | 9                  |
| Hand brake valve                                           | 430                | Door bracket                                     | 569                |
| Heat exchanger                                             | 518                | Door seal                                        | 569                |
| Heater Motor                                               | 514                | Drag-link                                        | 264                |
| Hose clip                                                  | 122                | Dryer                                            | 522                |
| Impact corner                                              | 559                | EBS control module                               | 432                |
| Indicator light                                            | 193                | EBS foot brake module                            | 429                |
| Indicator switch                                           | 252, 253           | EBS two channel module                           | 432                |
| LED side marker light                                      | 196                | ECAS path sensor                                 | 374                |
| Oil filter                                                 | 145                | ECAS solenoid valve                              | 372, 373           |
| Power-steering pump                                        | 291                | Electric motor                                   | 513, 570           |
| Pressure control valve                                     | 434                | Electrical ballast                               | 513, 516           |
| Pressure pad set                                           | 490                | Engine radiator                                  | 124                |
| Quick-release valve                                        | 446                | Evaporator                                       | 524                |
| Radiator fan coupling                                      | 133                | Exhaust flap                                     | 113                |
| Rear silencer                                              | 93                 | Exhaust pipe                                     | 100                |
| Relay valve                                                | 439                | Exhaust pipe clamp                               | 105                |
| Release fork                                               | 84                 | Fan wheel                                        | 131, 132           |
| Rolling piston                                             | 391                | Flywheel race                                    | 20                 |
| Shaft sealing ring                                         | 356                | Four-circuit protection valve                    | 415, 418           |
| Shock absorber                                             | 394                | Fuel filter                                      | 147, 149           |
| Solenoid valve                                             | 436                | Fuel pre-filter                                  | 149                |
| Speed sensor                                               | 343, 346           | Fuel pump                                        | 68                 |
| Stabiliser bearing section                                 | 334                | Gas spring                                       | 562, 563           |
| Starter Motor                                              | 237                | Glass unit for main mirror                       | 538                |
| Steering Track Rod                                         | 271                | H7 fog light                                     | 180                |
| Surge tank                                                 | 127                | Halogen direction indicator lamp                 | 217                |
| Tailpipe                                                   | 102                | Hand brake valve                                 | 429, 430           |
| Tapered roller bearing                                     | 350, 351           | Headlamp insert                                  | 172, 176, 177      |
| Trailing arm                                               | 296, 302           | Heat exchanger                                   | 519                |
| Urea filter                                                | 151                | Heat protection panel                            | 109                |
| Water pump                                                 | 135, 136           | Heater Motor                                     | 513, 514, 515      |
| Water trap                                                 | 468                | Heating valve                                    | 520                |
| Wheel bolt                                                 | 360                | Hose clip                                        | 120, 122           |
| Wheel hub                                                  | 349                | Hydraulic filter                                 | 155, 156, 157      |
| Wiper arm                                                  | 579                | Indicator light                                  | 184, 186, 191, 192 |
| Wiper bearing                                              | 578                | Indicator switch                                 | 252, 253           |
| Wiper blade                                                | 581                | Intake manifold                                  | 123                |
| Wiper motor                                                | 574, 575           | LED rear light                                   | 202                |
| Wiper rods                                                 | 576                | LED side marker light                            | 195                |
| <b>NEOPLAN Centroliner Evolution (model series N 45XX)</b> |                    | Main mirror                                      | 536, 538, 544      |
| 2-way valve                                                | 442                | Membrane brake cylinder                          | 449                |
| ABS mini sensor                                            | 347                | Mirror glass                                     | 544                |
| Air dryer                                                  | 406, 408, 411, 413 | Mounting bracket, outside mirror for main mirror | 530                |
| Air filter                                                 | 152                | Muffler                                          | 447                |
| Air spring bellows                                         | 383                | Non-return valve                                 | 444                |
| Air-conditioning compressor                                | 521                | Numberplate lamp                                 | 221                |
| Alternator                                                 | 241, 246           | Oil cooler                                       | 64                 |
| Attachment screw for flywheel                              | 75                 | Oil filter                                       | 144                |
| Ball joint                                                 | 274, 275, 277, 278 | Poly-V belt tensioner                            | 8                  |
| Blower                                                     | 513                | Power-steering pump                              | 290                |
| Blowoff valve                                              | 421                | Pressure switch                                  | 448                |
| Brake caliper                                              | 480, 481, 482, 483 | Pressure wave switch                             | 567                |
| Brake disc                                                 | 491, 492           | Rear fog lamp                                    | 212                |
| Brake light                                                | 207                | Relay valve                                      | 439, 440           |
| Brake pad set                                              | 495, 496, 498      | Release fork                                     | 84                 |
| Cabin filter                                               | 159, 160           | Repair kit for brake calipers                    | 488                |
| Cabin filter/pollen filter                                 | 159, 160           | Repair kit for priming pump                      | 67                 |
| Catch plate                                                | 570                | Repair kit for trailing link                     | 312                |
| Catchpin bracket                                           | 570                | Repair kit Kingpin                               | 337                |
| Central/rear silencer                                      | 92                 | Reversing light                                  | 210                |
| Charge air cooler                                          | 118                | Shaft sealing ring                               | 357, 358           |
| Charge air hose                                            | 119                | Shock absorber                                   | 392                |
| Clamping piece                                             | 107                | Snatch lock                                      | 562                |
|                                                            |                    | Solenoid valve                                   | 435                |

|                                                      |                    |                                                        |                    |
|------------------------------------------------------|--------------------|--------------------------------------------------------|--------------------|
| Speed sensor . . . . .                               | 345                | Evaporator . . . . .                                   | 524, 525           |
| Stabiliser bearing section . . . . .                 | 334                | Exhaust pipe clamp . . . . .                           | 105                |
| Stabilizer mounting . . . . .                        | 329                | Fan wheel . . . . .                                    | 131                |
| Starter Motor . . . . .                              | 231                | Flywheel . . . . .                                     | 73, 74             |
| Steering damper . . . . .                            | 286                | Foot brake valve . . . . .                             | 428                |
| Steering Track Rod . . . . .                         | 272                | Four-circuit protection valve . . . . .                | 418                |
| Surge tank . . . . .                                 | 127                | Front pipe . . . . .                                   | 95                 |
| Tailpipe . . . . .                                   | 102                | Fuel filter . . . . .                                  | 147, 148, 149, 150 |
| Tapered roller bearing . . . . .                     | 351                | Gas spring . . . . .                                   | 563, 564           |
| Tightening strap . . . . .                           | 109                | Guide bearing . . . . .                                | 77                 |
| TORX® hexagon bolt for brake disc mounting . . . . . | 495                | Guide sealing set . . . . .                            | 489                |
| Trailing arm . . . . .                               | 294, 295, 302, 308 | H3 fog light . . . . .                                 | 180                |
| Washer fluid pump . . . . .                          | 574                | Hand brake valve . . . . .                             | 429, 430           |
| Water pump . . . . .                                 | 136                | Hand feed pump . . . . .                               | 67                 |
| Water trap . . . . .                                 | 468                | Heat exchanger . . . . .                               | 519                |
| Wheel bolt . . . . .                                 | 360                | Heater Motor . . . . .                                 | 514, 515           |
| Wheel hub . . . . .                                  | 349                | Hose clip . . . . .                                    | 120                |
| Wheel hub . . . . .                                  | 348                | Housing for exterior mirror . . . . .                  | 544                |
| Wheel nut . . . . .                                  | 363                | Hydraulic filter . . . . .                             | 155, 156           |
| Wiper arm . . . . .                                  | 579                | Indicator light . . . . .                              | 184                |
| Wiper bearing . . . . .                              | 578                | Indicator switch . . . . .                             | 251, 252           |
| Wiper blade . . . . .                                | 581                | LED side marker light . . . . .                        | 195                |
| Wiper motor . . . . .                                | 575                | Main mirror . . . . .                                  | 544                |
| Wiper rods . . . . .                                 | 576                | Membrane brake cylinder . . . . .                      | 452                |
| <b>NEOPLAN Cityliner (model series N 12XX)</b>       |                    | Mirror glass . . . . .                                 | 544                |
| 2-way valve . . . . .                                | 442                | Oil cooler . . . . .                                   | 64                 |
| Air dryer . . . . .                                  | 405, 406, 411, 413 | Oil filter . . . . .                                   | 145                |
| Air spring bellows . . . . .                         | 383                | Poly-V belt tensioner . . . . .                        | 8                  |
| Air-conditioning compressor . . . . .                | 521                | Power-steering pump . . . . .                          | 292, 293           |
| Alternator . . . . .                                 | 245                | Pressure control valve . . . . .                       | 433                |
| Attachment screw for flywheel . . . . .              | 75                 | Pressure pad set . . . . .                             | 490                |
| Auxiliary flasher light . . . . .                    | 193                | Radiator fan . . . . .                                 | 131                |
| Axial fan . . . . .                                  | 512                | Rear fog lamp . . . . .                                | 212                |
| Axle joint . . . . .                                 | 285                | Relay valve . . . . .                                  | 439                |
| Ball joint . . . . .                                 | 274, 275, 284      | Release fork . . . . .                                 | 84                 |
| Ballast . . . . .                                    | 175                | Repair kit for A-arm . . . . .                         | 316                |
| Blowoff valve . . . . .                              | 420, 421, 422, 423 | Repair kit for fuel pump . . . . .                     | 68                 |
| Bracket for main mirror . . . . .                    | 544                | Repair kit for trailing link . . . . .                 | 312, 313           |
| Brake caliper . . . . .                              | 486                | Repair kit for trailing link/transverse link . . . . . | 323                |
| Brake disc . . . . .                                 | 491, 492           | Repair kit Kingpin . . . . .                           | 337                |
| Brake pad set . . . . .                              | 495, 496, 497, 498 | Rolling piston . . . . .                               | 390                |
| Cabin filter . . . . .                               | 160                | Shaft sealing ring . . . . .                           | 357, 358           |
| Cabin filter/pollen filter . . . . .                 | 158, 159           | Shock absorber . . . . .                               | 395                |
| Charge air cooler . . . . .                          | 118                | Silencer . . . . .                                     | 93, 94             |
| Charge air hose . . . . .                            | 119                | Solenoid valve . . . . .                               | 435                |
| Clamping collar . . . . .                            | 106                | Speed sensor . . . . .                                 | 342                |
| Clamping levers . . . . .                            | 577                | Stabilizer mounting . . . . .                          | 329, 330           |
| Clearance light . . . . .                            | 200                | Starter Motor . . . . .                                | 235, 237           |
| Clutch actuator . . . . .                            | 86                 | Steering Track Rod . . . . .                           | 270, 272           |
| Clutch kit . . . . .                                 | 78                 | Surge tank . . . . .                                   | 127                |
| Clutch master cylinder . . . . .                     | 85                 | Tapered roller bearing . . . . .                       | 351                |
| Clutch plate . . . . .                               | 81                 | Tension roller . . . . .                               | 7                  |
| Clutch releaser . . . . .                            | 83                 | TORX® hexagon bolt for brake disc mounting . . . . .   | 495                |
| Clutch servo . . . . .                               | 87                 | Trailing arm . . . . .                                 | 294, 301, 302      |
| Combination brake cylinder . . . . .                 | 458, 461           | Transverse link . . . . .                              | 317, 318, 319      |
| Complete mirror system . . . . .                     | 534                | Washer fluid pump . . . . .                            | 573                |
| Compressor . . . . .                                 | 399                | Water pump . . . . .                                   | 137                |
| Condenser . . . . .                                  | 525                | Wheel bolt . . . . .                                   | 360                |
| Coolant thermostat . . . . .                         | 139                | Wheel hub . . . . .                                    | 348                |
| Coupling piece for wiper linkage . . . . .           | 577                | Wheel nut . . . . .                                    | 363                |
| Coupling pressure plate . . . . .                    | 78, 80             | Wiper arm . . . . .                                    | 580                |
| Cranked lever . . . . .                              | 577                | Wiper blade . . . . .                                  | 581                |
| Deflection pulley/guide pulley . . . . .             | 9, 10              | Wiper motor . . . . .                                  | 575                |
| Dehumidification valve . . . . .                     | 467                | Wiper rods . . . . .                                   | 577                |
| Drag-link . . . . .                                  | 267                | <b>NEOPLAN Skyliner (N 1122)</b>                       |                    |
| Dryer . . . . .                                      | 523                | Air dryer . . . . .                                    | 408                |
| EBS axle modulator . . . . .                         | 431                | Air spring bellows . . . . .                           | 384, 385           |
| ECAS path sensor . . . . .                           | 374                | Air spring valve . . . . .                             | 376                |
| ECAS solenoid valve . . . . .                        | 372, 373           | Air-conditioning compressor . . . . .                  | 521                |
| Engine radiator . . . . .                            | 125                | Alternator . . . . .                                   | 245                |



|                                |               |                                            |               |
|--------------------------------|---------------|--------------------------------------------|---------------|
| Attachment screw for flywheel  | 75            | Coolant thermostat                         | 139           |
| Auxiliary flasher light        | 194           | Coupling pressure plate                    | 80            |
| Ball joint                     | 274, 275, 284 | Deflection pulley/guide pulley             | 9, 10         |
| Blowoff valve                  | 423           | Dryer                                      | 523           |
| Brake disc                     | 491           | EBS axle modulator                         | 431           |
| Brake pad set                  | 495, 496      | ECAS path sensor                           | 374           |
| Cabin filter                   | 160           | ECAS solenoid valve                        | 372, 373      |
| Charge air cooler              | 118           | Electrical ballast                         | 513           |
| Charge air hose                | 119           | Engine radiator                            | 125           |
| Clutch plate                   | 81            | Fan wheel                                  | 131           |
| Clutch releaser                | 83            | Flywheel                                   | 74            |
| Combination brake cylinder     | 462           | Foot brake valve                           | 428           |
| Condenser                      | 525           | Four-circuit protection valve              | 418           |
| Coolant thermostat             | 139           | Fuel filter                                | 147, 148, 149 |
| Coupling pressure plate        | 80            | Guide bearing                              | 77            |
| Deflection pulley/guide pulley | 9, 10         | Guide sealing set                          | 489           |
| Dryer                          | 523           | H3 fog light                               | 180           |
| EBS axle modulator             | 431           | Hand brake valve                           | 429, 430      |
| Engine radiator                | 125           | Hand feed pump                             | 67            |
| Evaporator                     | 525           | Heater Motor                               | 514, 515      |
| Four-circuit protection valve  | 415           | Hydraulic filter                           | 155, 156      |
| Fuel filter                    | 147, 148, 149 | Indicator switch                           | 251           |
| Gas spring                     | 564           | LED side marker light                      | 195           |
| Guide bearing                  | 77            | Main mirror                                | 544           |
| Guide sealing set              | 489, 490      | Membrane brake cylinder                    | 452           |
| H7 fog light                   | 180           | Oil filter                                 | 145           |
| Hand brake valve               | 429, 430      | Poly-V belt tensioner                      | 8             |
| Hand feed pump                 | 67            | Power-steering pump                        | 292, 293      |
| Heater Motor                   | 513, 514      | Radiator fan                               | 131           |
| Hose clip                      | 120           | Relay valve                                | 439           |
| Hydraulic filter               | 155, 156      | Release fork                               | 84            |
| Indicator light                | 184, 215      | Repair kit Kingpin                         | 337           |
| Indicator switch               | 252           | Shaft sealing ring                         | 357           |
| Main mirror                    | 544           | Silencer                                   | 94            |
| Mirror glass                   | 544           | Snatch lock                                | 562           |
| Oil filter                     | 145           | Solenoid valve                             | 435           |
| Position light                 | 189           | Speed sensor                               | 342           |
| Power-steering pump            | 292           | Stabilizer mounting                        | 330           |
| Quick-release valve            | 446           | Steering Track Rod                         | 271, 272      |
| Relay valve                    | 440           | Surge tank                                 | 127           |
| Release fork                   | 84            | Tapered roller bearing                     | 351           |
| Repair kit for fuel pump       | 68            | TORX® hexagon bolt for brake disc mounting | 495           |
| Shaft sealing ring             | 357           | Trailing arm                               | 306           |
| Shock absorber                 | 392           | Transverse link                            | 317, 318, 319 |
| Silencer                       | 93            | Water pump                                 | 137           |
| Solenoid valve                 | 436           | Wheel bolt                                 | 360           |
| Starter Motor                  | 235, 237      | Wheel hub                                  | 348           |
| Surge tank                     | 127           | Wheel nut                                  | 363           |
| Tapered roller bearing         | 351           | Wiper arm                                  | 580           |
| Water pump                     | 137           | Wiper blade                                | 581           |
| Wear indicator kit             | 500           | Wiper motor                                | 575           |
| Wiper arm                      | 580           | Wiper rods                                 | 577           |
| Wiper blade                    | 581, 582      |                                            |               |
| Wiper motor                    | 575           |                                            |               |
| Wiper rods                     | 577           |                                            |               |

**NEOPLAN Skyliner [2011-]**

|                               |               |
|-------------------------------|---------------|
| Air dryer                     | 405, 411, 413 |
| Air spring bellows            | 383           |
| Alternator                    | 245           |
| Attachment screw for flywheel | 75            |
| Auxiliary flasher light       | 193           |
| Ballast                       | 175           |
| Blowoff valve                 | 421           |
| Brake caliper                 | 486           |
| Brake disc                    | 492           |
| Brake pad set                 | 496           |
| Clutch actuator               | 86            |
| Clutch plate                  | 81            |
| Combination brake cylinder    | 461           |
| Compressor                    | 399           |

**NEOPLAN Starliner (model series N 52XX)**

|                               |               |
|-------------------------------|---------------|
| Air dryer                     | 406, 411, 413 |
| Air filter                    | 153           |
| Air spring bellows            | 383           |
| Air-conditioning compressor   | 521           |
| Alternator                    | 245           |
| Attachment screw for flywheel | 75            |
| Auxiliary flasher light       | 193           |
| Axle joint                    | 285           |
| Ball joint                    | 275, 284      |
| Ballast                       | 175           |
| Blowoff valve                 | 421           |
| Brake caliper                 | 486           |
| Brake disc                    | 491, 492      |
| Brake pad set                 | 495, 496, 498 |
| Cabin filter                  | 159, 160, 161 |
| Cabin filter/pollen filter    | 158, 159      |
| Charge air cooler             | 118           |

|                                              |                    |                                           |                         |
|----------------------------------------------|--------------------|-------------------------------------------|-------------------------|
| Charge air hose                              | 119                | Air filter                                | 152, 153                |
| Clamping collar                              | 106                | Air spring bellows                        | 383                     |
| Clutch kit                                   | 78                 | Air-conditioning compressor               | 521                     |
| Clutch plate                                 | 81                 | Alternator                                | 241, 242, 243, 245, 246 |
| Clutch releaser                              | 83                 | Attachment screw for flywheel             | 75                      |
| Combination brake cylinder                   | 461                | Auxiliary flasher light                   | 193, 194                |
| Compressor                                   | 399                | Axial fan                                 | 512                     |
| Condenser                                    | 525                | Ball joint                                | 274, 275                |
| Coolant thermostat                           | 139                | Ballast                                   | 175                     |
| Coupling pressure plate                      | 80                 | Blower motor                              | 516, 517                |
| Deflection pulley/guide pulley               | 9, 10              | Blowoff valve                             | 421, 422                |
| Drag-link                                    | 267                | Brake caliper                             | 480, 481, 486           |
| Dryer                                        | 522                | Brake disc                                | 491, 492                |
| EBS axle modulator                           | 431                | Brake light                               | 207                     |
| ECAS path sensor                             | 374                | Brake pad set                             | 495, 496, 497, 498      |
| ECAS solenoid valve                          | 372, 373           | Cabin filter                              | 158, 159, 160           |
| Evaporator                                   | 525                | Cabin filter/pollen filter                | 158, 159                |
| Fan wheel                                    | 131                | Central/rear silencer                     | 92                      |
| Foot brake valve                             | 428                | Charge air cooler                         | 118                     |
| Four-circuit protection valve                | 418                | Charge air hose                           | 119                     |
| Front pipe                                   | 95                 | Clamping collar                           | 106                     |
| Fuel filter                                  | 147, 148, 149, 150 | Clutch actuator                           | 86                      |
| Gas spring                                   | 563, 564           | Clutch kit                                | 78                      |
| Guide bearing                                | 77                 | Clutch master cylinder                    | 85                      |
| Guide sealing set                            | 489                | Clutch plate                              | 81                      |
| Hand brake valve                             | 429, 430           | Clutch releaser                           | 83                      |
| Hand feed pump                               | 67                 | Clutch servo                              | 87                      |
| Heat exchanger                               | 519                | Combination brake cylinder                | 458, 461                |
| Heater Motor                                 | 515                | Complete mirror system                    | 531                     |
| Hose clip                                    | 120                | Compressor                                | 399, 400, 402           |
| Hydraulic filter                             | 155, 156           | Coolant thermostat                        | 139                     |
| Indicator light                              | 184                | Coupling pressure plate                   | 78, 80                  |
| Indicator switch                             | 251                | Cover cap                                 | 533                     |
| LED side marker light                        | 195                | Deflection pulley/guide pulley            | 9, 10                   |
| Main mirror                                  | 544                | Dehumidification valve                    | 467                     |
| Membrane brake cylinder                      | 452                | Drag-link                                 | 265, 267                |
| Mirror glass                                 | 544                | Dryer                                     | 523                     |
| Oil filter                                   | 144, 145           | EBS axle modulator                        | 431                     |
| Pressure switch                              | 448                | EBS control module                        | 432                     |
| Relay valve                                  | 439                | EBS foot brake module                     | 429                     |
| Release fork                                 | 84                 | ECAS path sensor                          | 374                     |
| Repair kit for A-arm                         | 316                | ECAS solenoid valve                       | 373                     |
| Repair kit for fuel pump                     | 68                 | Electrical ballast                        | 513                     |
| Repair kit for trailing link                 | 312, 313           | Engine radiator                           | 124, 125                |
| Repair kit for trailing link/transverse link | 323                | Evaporator                                | 524, 525                |
| Repair kit Kingpin                           | 337                | Exhaust pipe                              | 100                     |
| Shaft sealing ring                           | 357, 358           | Exhaust pipe clamp                        | 105, 106                |
| Silencer                                     | 93                 | Fan wheel                                 | 131                     |
| Solenoid valve                               | 435                | Flywheel                                  | 73, 74                  |
| Speed sensor                                 | 342                | Fog light                                 | 181                     |
| Stabilizer mounting                          | 329, 330           | Foot brake valve                          | 428                     |
| Starter Motor                                | 235, 237           | Four-circuit protection valve             | 418                     |
| Steering Track Rod                           | 272                | Front pipe                                | 95                      |
| Surge tank                                   | 127                | Fuel filter                               | 147, 148, 149           |
| Tapered roller bearing                       | 351                | Fuel pump                                 | 68                      |
| TORX® hexagon bolt for brake disc mounting   | 495                | Gas spring                                | 562                     |
| Trailing arm                                 | 294, 301, 302      | Glass unit for approach mirror            | 531                     |
| Transverse link                              | 317, 318, 319      | Glass unit for main mirror                | 531, 538                |
| Water pump                                   | 137                | Glass unit suitable for wide angle mirror | 531                     |
| Water pump seal                              | 138                | Guide bearing                             | 77                      |
| Wheel bolt                                   | 360                | Guide sealing set                         | 489                     |
| Wheel hub                                    | 348                | H7 fog light                              | 180                     |
| Wiper arm                                    | 580                | Halogen direction indicator lamp          | 217                     |
| Wiper blade                                  | 581                | Hand brake valve                          | 429, 430                |
| Wiper rods                                   | 577                | Hand feed pump                            | 67                      |
|                                              |                    | Headlamp insert                           | 172                     |
|                                              |                    | Heat exchanger                            | 519                     |
|                                              |                    | Heat protection panel                     | 109                     |
|                                              |                    | Heater Motor                              | 514, 515                |
|                                              |                    | Hose clip                                 | 120, 122                |
|                                              |                    | Hydraulic filter                          | 155, 156                |
| <b>NEOPLAN Tourliner (N 2216)</b>            |                    |                                           |                         |
| 2-way valve                                  | 442                |                                           |                         |
| 'A' frame                                    | 314                |                                           |                         |
| Adjuster cap set                             | 490                |                                           |                         |
| Air dryer                                    | 406, 411, 413      |                                           |                         |

|                                                      |                         |                                                     |                         |
|------------------------------------------------------|-------------------------|-----------------------------------------------------|-------------------------|
| Indicator light . . . . .                            | 184                     | Charge air hose . . . . .                           | 119                     |
| Indicator switch . . . . .                           | 251, 252                | Clearance light . . . . .                           | 200                     |
| LED additional stop light . . . . .                  | 208                     | Clutch kit . . . . .                                | 78                      |
| LED rear light . . . . .                             | 202                     | Clutch master cylinder . . . . .                    | 85                      |
| Main mirror . . . . .                                | 539                     | Clutch releaser . . . . .                           | 83                      |
| Membrane brake cylinder . . . . .                    | 452                     | Clutch servo . . . . .                              | 87                      |
| Oil filter . . . . .                                 | 144, 145                | Combination brake cylinder . . . . .                | 461                     |
| Oil separator . . . . .                              | 65                      | Complete mirror system . . . . .                    | 531                     |
| Overflow valve . . . . .                             | 424, 426                | Compressor . . . . .                                | 399, 400, 402           |
| Poly-V belt tensioner . . . . .                      | 8                       | Condenser . . . . .                                 | 525                     |
| Position light . . . . .                             | 190                     | Coolant thermostat . . . . .                        | 139                     |
| Power-steering pump . . . . .                        | 290, 293                | Deflection pulley/guide pulley . . . . .            | 9, 10                   |
| Pressure control valve . . . . .                     | 433                     | Drag-link . . . . .                                 | 267                     |
| Pressure pad set . . . . .                           | 490                     | Dryer . . . . .                                     | 522                     |
| Pressure sensor . . . . .                            | 448                     | EBS axle modulator . . . . .                        | 431                     |
| Pressure switch . . . . .                            | 448                     | ECAS path sensor . . . . .                          | 374                     |
| Radiator fan . . . . .                               | 131                     | ECAS solenoid valve . . . . .                       | 373                     |
| Radiator fan coupling . . . . .                      | 133                     | Electrical ballast . . . . .                        | 513                     |
| Rear fog lamp . . . . .                              | 212                     | Engine radiator . . . . .                           | 124, 125                |
| Relay valve . . . . .                                | 439                     | Evaporator . . . . .                                | 524                     |
| Release fork . . . . .                               | 84                      | Exhaust flap . . . . .                              | 113                     |
| Repair kit for brake calipers . . . . .              | 488                     | Fan wheel . . . . .                                 | 131                     |
| Repair kit for fuel pump . . . . .                   | 68                      | Flexible pipe . . . . .                             | 99                      |
| Repair kit Kingpin . . . . .                         | 337                     | Flywheel . . . . .                                  | 73, 74                  |
| Reversing light . . . . .                            | 210                     | Foot brake valve . . . . .                          | 428                     |
| Shaft sealing ring . . . . .                         | 357, 358                | Four-circuit protection valve . . . . .             | 415, 418                |
| Shock absorber . . . . .                             | 393, 394                | Fuel filter . . . . .                               | 147, 148, 149, 148, 150 |
| Silencer . . . . .                                   | 93, 94                  | Fuel pump . . . . .                                 | 68                      |
| Snatch lock . . . . .                                | 562                     | Gas spring . . . . .                                | 563                     |
| Solenoid valve . . . . .                             | 435, 436                | Glass unit for approach mirror . . . . .            | 531                     |
| Speed sensor . . . . .                               | 342, 345, 346           | Glass unit for main mirror . . . . .                | 531, 538                |
| Stabilizer mounting . . . . .                        | 329, 330                | Glass unit suitable for wide angle mirror . . . . . | 531                     |
| Starter Motor . . . . .                              | 231, 235, 237           | Guide bearing . . . . .                             | 77                      |
| Steering Track Rod . . . . .                         | 272                     | Guide sealing set . . . . .                         | 489                     |
| Surge tank . . . . .                                 | 127                     | H7 fog light . . . . .                              | 180                     |
| Tailpipe . . . . .                                   | 102                     | Halogen direction indicator lamp . . . . .          | 217                     |
| Tapered roller bearing . . . . .                     | 351                     | Hand brake valve . . . . .                          | 429, 430                |
| Tension roller . . . . .                             | 7                       | Hand feed pump . . . . .                            | 67                      |
| TORX® hexagon bolt for brake disc mounting . . . . . | 495                     | Headlamp insert . . . . .                           | 172, 177                |
| Trailing arm . . . . .                               | 294, 298, 301, 302, 306 | Heat exchanger . . . . .                            | 518, 519                |
| Transverse link . . . . .                            | 319                     | Heater Motor . . . . .                              | 514, 515                |
| Washer fluid pump . . . . .                          | 574                     | Hose clip . . . . .                                 | 120, 122                |
| Water pump . . . . .                                 | 136, 137                | Hydraulic filter . . . . .                          | 155, 156                |
| Water pump seal . . . . .                            | 138                     | Indicator light . . . . .                           | 184, 191, 192           |
| Water trap . . . . .                                 | 468                     | Indicator switch . . . . .                          | 251, 252                |
| Wheel bolt . . . . .                                 | 360                     | Injection nozzle fitting . . . . .                  | 70                      |
| Wheel hub . . . . .                                  | 348                     | LED additional stop light . . . . .                 | 208                     |
| Wheel nut . . . . .                                  | 363                     | LED rear light . . . . .                            | 202                     |
| Wiper arm . . . . .                                  | 580                     | Main mirror . . . . .                               | 539                     |
| Wiper bearing . . . . .                              | 578                     | Membrane brake cylinder . . . . .                   | 452                     |
| Wiper blade . . . . .                                | 581                     | Oil filter . . . . .                                | 144, 145                |
| Wiper motor . . . . .                                | 575                     | Poly-V belt tensioner . . . . .                     | 8                       |
| Wiper rods . . . . .                                 | 576                     | Power-steering pump . . . . .                       | 290, 293                |
| Working cylinder . . . . .                           | 114                     | Pressure control valve . . . . .                    | 433                     |
|                                                      |                         | Pressure switch . . . . .                           | 448                     |
|                                                      |                         | Rear fog lamp . . . . .                             | 212                     |
|                                                      |                         | Relay valve . . . . .                               | 439                     |
|                                                      |                         | Release fork . . . . .                              | 84                      |
|                                                      |                         | Repair kit for brake calipers . . . . .             | 488                     |
|                                                      |                         | Repair kit for fuel pump . . . . .                  | 68                      |
|                                                      |                         | Repair kit for priming pump . . . . .               | 67                      |
|                                                      |                         | Repair kit Kingpin . . . . .                        | 337                     |
|                                                      |                         | Reversing light . . . . .                           | 210                     |
|                                                      |                         | Shaft sealing ring . . . . .                        | 357, 358                |
|                                                      |                         | Shock absorber . . . . .                            | 393, 394                |
|                                                      |                         | Silencer . . . . .                                  | 94                      |
|                                                      |                         | Snatch lock . . . . .                               | 562                     |
|                                                      |                         | Solenoid valve . . . . .                            | 435, 436                |
|                                                      |                         | Speed sensor . . . . .                              | 342                     |
|                                                      |                         | Stabilizer mounting . . . . .                       | 329, 330                |
|                                                      |                         | Starter Motor . . . . .                             | 231, 239                |
| <b>NEOPLAN Trendliner (N 3516)</b>                   |                         |                                                     |                         |
| ABS mini sensor . . . . .                            | 347                     |                                                     |                         |
| Air dryer . . . . .                                  | 405, 406, 411, 413      |                                                     |                         |
| Air spring bellows . . . . .                         | 383                     |                                                     |                         |
| Air-conditioning compressor . . . . .                | 521                     |                                                     |                         |
| Alternator . . . . .                                 | 242, 245, 246           |                                                     |                         |
| Attachment screw for flywheel . . . . .              | 75                      |                                                     |                         |
| Ball joint . . . . .                                 | 274, 275                |                                                     |                         |
| Blowoff valve . . . . .                              | 421, 423                |                                                     |                         |
| Brake caliper . . . . .                              | 480, 481, 486           |                                                     |                         |
| Brake disc . . . . .                                 | 491, 492                |                                                     |                         |
| Brake light . . . . .                                | 207                     |                                                     |                         |
| Brake pad set . . . . .                              | 495, 496, 497, 498      |                                                     |                         |
| Cabin filter . . . . .                               | 159, 160                |                                                     |                         |
| Cabin filter/pollen filter . . . . .                 | 158, 159                |                                                     |                         |
| Charge air cooler . . . . .                          | 118                     |                                                     |                         |

|                                            |          |
|--------------------------------------------|----------|
| Steering Track Rod                         | 271, 272 |
| Surge tank                                 | 127      |
| Tapered roller bearing                     | 351      |
| TORX® hexagon bolt for brake disc mounting | 495      |
| Trailing arm                               | 294, 302 |
| Transverse link                            | 317, 319 |
| Washer fluid pump                          | 574      |
| Water pump                                 | 135, 136 |
| Water trap                                 | 468      |
| Wheel bolt                                 | 360      |
| Wheel hub                                  | 348      |
| Wheel nut                                  | 363      |
| Wiper arm                                  | 580      |
| Wiper bearing                              | 578      |
| Wiper blade                                | 581, 582 |
| Wiper motor                                | 575      |
| Wiper rods                                 | 576      |

**SCANIA L94**

|                                    |               |
|------------------------------------|---------------|
| ABS ring                           | 341           |
| Air dryer                          | 409           |
| Air spring                         | 381           |
| Air spring valve                   | 376           |
| Alternator                         | 243, 244, 249 |
| Attachment screw for brake disc    | 494           |
| Attachment screw for flywheel      | 75            |
| Ball joint                         | 275           |
| Belt pulley                        | 138           |
| Blowoff valve                      | 420           |
| Brake caliper                      | 485           |
| Brake disc                         | 491           |
| Brake pad sensor                   | 500           |
| Brake pad set                      | 498           |
| Cabin filter/pollen filter         | 161           |
| Charge air hose                    | 119           |
| Clamping collar                    | 107           |
| Clutch master cylinder             | 84            |
| Clutch plate                       | 80            |
| Clutch releaser                    | 83            |
| Combination brake cylinder         | 463           |
| Compressor                         | 400           |
| Coupling pressure plate            | 78, 80        |
| Coupling rod                       | 323, 327      |
| Double thermostat                  | 141           |
| Drag-link                          | 266           |
| Engine radiator                    | 125           |
| Fan wheel                          | 131           |
| Flywheel                           | 74            |
| Foot brake valve                   | 428           |
| Front pipe                         | 97            |
| Fuel filter                        | 148           |
| Guide bearing                      | 77            |
| Guide sealing set                  | 489           |
| Hand brake valve                   | 429           |
| Hand feed pump                     | 67            |
| Hydraulic filter                   | 155, 156      |
| Oil filter                         | 144, 146      |
| Pipe clip                          | 108           |
| Poly-V belt tensioner              | 9             |
| Power-steering pump                | 288           |
| Quick-release valve                | 446           |
| Rear silencer                      | 93            |
| Seal for coolant double thermostat | 141           |
| Secondary air filter               | 154           |
| Shaft sealing ring                 | 358           |
| Shock absorber                     | 393           |
| Solenoid valve                     | 437           |
| Speed sensor                       | 346           |
| Stabiliser bearing section         | 335           |
| Stabilizer mounting                | 329, 330      |
| Starter Motor                      | 233, 235      |

|                        |               |
|------------------------|---------------|
| Steering Track Rod     | 268           |
| Tailpipe               | 103, 104      |
| Tapered roller bearing | 350           |
| Tension roller         | 7             |
| Trailer control valve  | 447           |
| Trailing arm           | 302, 303, 310 |
| Washer water reservoir | 573           |
| Water pump             | 137           |
| Water pump seal        | 137, 138      |
| Water trap             | 469           |
| Wheel bearing set      | 352           |
| Wheel bolt             | 360           |
| Wheel hub sealing ring | 354           |
| Wheel nut              | 363           |

**SCANIA K94**

|                                    |               |
|------------------------------------|---------------|
| ABS ring                           | 341           |
| Air dryer                          | 409           |
| Air spring                         | 381           |
| Air spring valve                   | 376           |
| Alternator                         | 243, 244, 249 |
| Attachment screw for brake disc    | 494           |
| Attachment screw for flywheel      | 75            |
| Ball joint                         | 274, 275, 277 |
| Belt pulley                        | 138           |
| Blowoff valve                      | 420           |
| Brake caliper                      | 485           |
| Brake disc                         | 491           |
| Brake pad set                      | 498           |
| Cabin filter/pollen filter         | 161           |
| Charge air hose                    | 119           |
| Clamping collar                    | 107           |
| Clutch master cylinder             | 84            |
| Clutch plate                       | 80            |
| Clutch releaser                    | 83            |
| Combination brake cylinder         | 463           |
| Compressor                         | 400           |
| Coupling pressure plate            | 78, 80        |
| Coupling rod                       | 323, 327, 328 |
| Double thermostat                  | 141           |
| Drag-link                          | 265           |
| Engine radiator                    | 125           |
| Fan wheel                          | 131           |
| Flywheel                           | 74            |
| Foot brake valve                   | 428           |
| Front pipe                         | 97            |
| Fuel filter                        | 148           |
| Guide bearing                      | 77            |
| Guide sealing set                  | 489           |
| Hand brake valve                   | 429           |
| Hand feed pump                     | 67            |
| Hose clip                          | 122           |
| Hydraulic filter                   | 155, 156      |
| Oil filter                         | 144, 146      |
| Pipe clip                          | 108           |
| Poly-V belt tensioner              | 9             |
| Power-steering pump                | 288           |
| Quick-release valve                | 446           |
| Rear silencer                      | 93            |
| Relay valve                        | 439, 440      |
| Seal for coolant double thermostat | 141           |
| Shaft sealing ring                 | 358           |
| Shock absorber                     | 393           |
| Solenoid valve                     | 437           |
| Speed sensor                       | 346           |
| Stabiliser bearing section         | 335           |
| Stabilizer mounting                | 329, 330      |
| Starter Motor                      | 233, 235      |
| Tailpipe                           | 103, 104      |
| Tapered roller bearing             | 350           |
| Tension roller                     | 7             |

|                        |               |
|------------------------|---------------|
| Trailer control valve  | 447           |
| Trailing arm           | 302, 303, 310 |
| Washer water reservoir | 573           |
| Water pump             | 136           |
| Water pump seal        | 138           |
| Wheel bearing set      | 352           |
| Wheel bolt             | 360           |
| Wheel hub sealing ring | 354           |
| Wheel nut              | 363           |
| Working cylinder       | 113           |

#### SCANIA K114

|                                    |               |
|------------------------------------|---------------|
| ABS ring                           | 341, 342      |
| Air dryer                          | 409, 412      |
| Air spring                         | 381           |
| Air spring valve                   | 376           |
| Alternator                         | 243, 244, 249 |
| Attachment screw for brake disc    | 494           |
| Attachment screw for flywheel      | 75            |
| Ball joint                         | 274, 275, 277 |
| Belt pulley                        | 138           |
| Blowoff valve                      | 420           |
| Brake caliper                      | 485           |
| Brake disc                         | 491           |
| Brake pad sensor                   | 500           |
| Brake pad set                      | 498           |
| Cabin filter/pollen filter         | 161           |
| Charge air hose                    | 119           |
| Clamping collar                    | 107           |
| Clutch master cylinder             | 84            |
| Clutch plate                       | 80            |
| Clutch releaser                    | 83            |
| Clutch servo                       | 87            |
| Combination brake cylinder         | 463           |
| Compressor                         | 400           |
| Coolant filter                     | 162           |
| Coupling pressure plate            | 78, 80        |
| Coupling rod                       | 323, 327      |
| Double thermostat                  | 141           |
| Drag-link                          | 266           |
| Engine radiator                    | 125           |
| Exhaust pipe                       | 101           |
| Flywheel                           | 74            |
| Foot brake valve                   | 428           |
| Front pipe                         | 97            |
| Fuel filter                        | 148           |
| Guide bearing                      | 77            |
| Guide sealing set                  | 489           |
| Hand brake valve                   | 429           |
| Hand feed pump                     | 67            |
| Hose clip                          | 122           |
| Hydraulic filter                   | 155, 156      |
| Hydraulic motor                    | 133           |
| Indicator switch                   | 251, 253      |
| Kingpin kit                        | 336           |
| Membrane brake cylinder            | 450           |
| Oil filter                         | 144, 146      |
| Pipe clip                          | 108           |
| Poly-V belt tensioner              | 9             |
| Power-steering pump                | 288           |
| Quick-release valve                | 446           |
| Rear silencer                      | 93            |
| Relay valve                        | 439           |
| Repair kit for brake calipers      | 489           |
| Seal for coolant double thermostat | 141           |
| Shaft sealing ring                 | 358           |
| Shock absorber                     | 393           |
| Solenoid valve                     | 437           |
| Speed sensor                       | 346           |
| Stabiliser bearing section         | 335           |
| Stabilizer mounting                | 329, 330      |

|                        |               |
|------------------------|---------------|
| Starter Motor          | 233, 235      |
| Steering Track Rod     | 268           |
| Tailpipe               | 103, 104      |
| Tapered roller bearing | 350           |
| Tension roller         | 7             |
| Trailer control valve  | 447           |
| Trailing arm           | 302, 303, 310 |
| Washer water reservoir | 573           |
| Water pump             | 135, 136, 137 |
| Water pump seal        | 137, 138      |
| Water trap             | 469           |
| Wheel bearing set      | 352           |
| Wheel bolt             | 360           |
| Wheel hub sealing ring | 354           |
| Wheel nut              | 363           |
| Working cylinder       | 113           |

#### SCANIA K124

|                                    |                    |
|------------------------------------|--------------------|
| ABS ring                           | 341                |
| Air dryer                          | 409, 412           |
| Air spring                         | 381, 382           |
| Air spring valve                   | 376                |
| Alternator                         | 243, 244, 249      |
| Attachment screw for brake disc    | 494                |
| Attachment screw for flywheel      | 75                 |
| Ball joint                         | 274, 275, 277      |
| Belt pulley                        | 138                |
| Blowoff valve                      | 420                |
| Brake caliper                      | 485, 487           |
| Brake disc                         | 491                |
| Brake pad sensor                   | 500                |
| Brake pad set                      | 498                |
| Cabin filter/pollen filter         | 161                |
| Charge air hose                    | 119                |
| Clamping collar                    | 107                |
| Clutch master cylinder             | 84                 |
| Clutch plate                       | 80                 |
| Clutch releaser                    | 83                 |
| Clutch slave cylinder              | 86                 |
| Combination brake cylinder         | 455, 463           |
| Compressor                         | 400                |
| Coolant filter                     | 162                |
| Coupling pressure plate            | 78, 80             |
| Coupling rod                       | 323, 325, 327, 328 |
| Double thermostat                  | 141                |
| Drag-link                          | 265, 266           |
| Engine radiator                    | 125                |
| Exhaust pipe                       | 101                |
| Fan wheel                          | 131                |
| Foot brake valve                   | 428                |
| Front pipe                         | 97                 |
| Fuel filter                        | 148                |
| Guide bearing                      | 77                 |
| Guide sealing set                  | 489                |
| Hand brake valve                   | 429                |
| Hand feed pump                     | 67                 |
| Hydraulic filter                   | 155, 156           |
| Indicator switch                   | 251, 253           |
| Kingpin kit                        | 336                |
| Level control                      | 374                |
| Oil filter                         | 144, 146           |
| Pipe clip                          | 108                |
| Poly-V belt tensioner              | 9                  |
| Power-steering pump                | 288                |
| Pressure control valve             | 433                |
| Pressure limiter                   | 439                |
| Quick-release valve                | 446                |
| Rear silencer                      | 93                 |
| Relay valve                        | 439, 440           |
| Release fork                       | 84                 |
| Seal for coolant double thermostat | 141                |



|                            |                    |
|----------------------------|--------------------|
| Shaft sealing ring         | 358                |
| Shock absorber             | 393, 394           |
| Solenoid valve             | 437                |
| Speed sensor               | 346                |
| Stabiliser bearing section | 335                |
| Stabilizer mounting        | 329, 330, 333      |
| Starter Motor              | 233, 235           |
| Steering Track Rod         | 268, 269           |
| Tailpipe                   | 103, 104           |
| Tapered roller bearing     | 350                |
| Tension roller             | 7                  |
| Trailer control valve      | 447                |
| Trailing arm               | 302, 303, 306, 310 |
| Valve block                | 373                |
| Washer water reservoir     | 573                |
| Water pump                 | 137                |
| Water pump seal            | 137, 138           |
| Water trap                 | 469                |
| Wheel bearing set          | 352                |
| Wheel bolt                 | 360                |
| Wheel hub sealing ring     | 354                |
| Wheel nut                  | 363                |
| Working cylinder           | 113                |

**SCANIA K360**

|                                          |                    |
|------------------------------------------|--------------------|
| ABS ring                                 | 341                |
| Air dryer                                | 411, 412           |
| Air spring                               | 381, 382           |
| Air spring valve                         | 376                |
| Alternator                               | 248                |
| Attachment screw for brake disc          | 494                |
| Ball joint                               | 274, 275, 277, 282 |
| Brake caliper                            | 485, 487           |
| Brake disc                               | 491                |
| Brake pad sensor                         | 500                |
| Brake pad set                            | 498                |
| Charge air hose                          | 119                |
| Clamping collar                          | 107                |
| Combination brake cylinder               | 455, 463           |
| Compressor                               | 400                |
| Coupling rod                             | 323, 327, 328      |
| Deflection pulley/guide pulley           | 10                 |
| Double thermostat                        | 141                |
| Drag-link                                | 265                |
| EBS single channel module                | 432                |
| EBS two channel module                   | 432                |
| ECAS solenoid valve                      | 373                |
| Engine radiator                          | 124                |
| Exhaust pipe clamp                       | 105                |
| Fuel filter                              | 149                |
| Guide sealing set                        | 489                |
| Hose clip                                | 122                |
| Hydraulic filter                         | 155, 156, 157      |
| Hydraulic motor                          | 133                |
| Kingpin kit                              | 336                |
| Membrane brake cylinder                  | 450                |
| Oil filter                               | 146                |
| Pipe clip                                | 108                |
| Poly-V belt tensioner                    | 9                  |
| Power-steering pump                      | 287, 292           |
| Pressure control valve                   | 433                |
| Rear silencer                            | 93                 |
| Relay valve                              | 439, 440           |
| Repair kit four-circuit protection valve | 420                |
| Seal for coolant double thermostat       | 141                |
| Shaft sealing ring                       | 358                |
| Shock absorber                           | 393, 394           |
| Speed sensor                             | 346                |
| Stabiliser bearing section               | 335                |
| Stabilizer mounting                      | 330, 333           |
| Steering Track Rod                       | 268                |

|                        |                         |
|------------------------|-------------------------|
| Tapered roller bearing | 350                     |
| Trailing arm           | 302, 303, 306, 307, 310 |
| Wheel bearing set      | 352                     |
| Wheel bolt             | 360                     |
| Wheel hub sealing ring | 354                     |
| Wheel nut              | 363                     |
| Working cylinder       | 113, 114                |

**SCANIA K380**

|                                          |               |
|------------------------------------------|---------------|
| ABS ring                                 | 341           |
| Air dryer                                | 411           |
| Air spring                               | 381, 382      |
| Air spring valve                         | 376           |
| Alternator                               | 248           |
| Attachment screw for brake disc          | 494           |
| Attachment screw for flywheel            | 75            |
| Ball joint                               | 274, 275, 277 |
| Brake caliper                            | 485, 487      |
| Brake disc                               | 491           |
| Brake pad sensor                         | 500           |
| Brake pad set                            | 498           |
| Charge air hose                          | 119           |
| Clutch kit                               | 78            |
| Clutch master cylinder                   | 85            |
| Clutch servo                             | 87            |
| Combination brake cylinder               | 463           |
| Compressor                               | 400           |
| Coupling pressure plate                  | 80            |
| Coupling rod                             | 325, 327, 328 |
| Double thermostat                        | 141           |
| Drag-link                                | 266           |
| EBS single channel module                | 432           |
| EBS two channel module                   | 432           |
| ECAS solenoid valve                      | 373           |
| Engine radiator                          | 124           |
| Flywheel                                 | 74            |
| Fuel filter                              | 148           |
| Guide bearing                            | 77            |
| Guide sealing set                        | 489           |
| Hose clip                                | 122           |
| Hydraulic filter                         | 155, 156      |
| Hydraulic motor                          | 133           |
| Kingpin kit                              | 336           |
| Membrane brake cylinder                  | 450           |
| Oil filter                               | 144, 146      |
| Pipe clip                                | 108           |
| Poly-V belt tensioner                    | 9             |
| Power-steering pump                      | 288           |
| Pressure control valve                   | 433           |
| Rear silencer                            | 93            |
| Relay valve                              | 439, 440      |
| Release fork                             | 84            |
| Repair kit four-circuit protection valve | 420           |
| Seal for coolant double thermostat       | 141           |
| Shaft sealing ring                       | 358           |
| Shock absorber                           | 394           |
| Speed sensor                             | 346           |
| Stabiliser bearing section               | 335           |
| Starter Motor                            | 233           |
| Steering Track Rod                       | 269           |
| Tapered roller bearing                   | 350           |
| Tension roller                           | 7             |
| Trailing arm                             | 302, 310      |
| Water pump                               | 135, 136, 137 |
| Wheel bearing set                        | 352           |
| Wheel bolt                               | 360           |
| Wheel hub sealing ring                   | 354           |
| Wheel nut                                | 363           |
| Working cylinder                         | 114           |

**SETRA series 300 HD (TopClass)**

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Adjustment mechanism                                      | 377           |
| Air dryer                                                 | 410, 411      |
| Air filter                                                | 152, 153      |
| Air spring bellows                                        | 384           |
| Air spring valve                                          | 376           |
| Alternator                                                | 241, 243, 244 |
| Auxiliary flasher light                                   | 194           |
| Axial fan                                                 | 512           |
| Ball joint                                                | 275           |
| Blowoff valve                                             | 420           |
| Brake caliper                                             | 485           |
| Brake disc                                                | 491           |
| Brake lining set                                          | 505           |
| Bus driver's seat                                         | 583           |
| Clamping sleeve for ABS sensor                            | 343, 344      |
| Clutch kit                                                | 78            |
| Clutch master cylinder                                    | 85            |
| Clutch plate                                              | 80, 81        |
| Clutch releaser                                           | 83            |
| Clutch servo                                              | 87            |
| Complete mirror system                                    | 534           |
| Coolant thermostat                                        | 139           |
| Coupling pressure plate                                   | 78, 80        |
| Cover lid                                                 | 129           |
| Drag-link                                                 | 266           |
| ECAS path sensor                                          | 374           |
| Engine bearing                                            | 61            |
| Exhaust pipe                                              | 100           |
| Exhaust pipe clamp                                        | 105, 106      |
| Fastening set for flywheel                                | 75            |
| Flywheel                                                  | 73            |
| Flywheel race                                             | 20            |
| Front pipe                                                | 96            |
| Fuel filter                                               | 147           |
| Gas spring                                                | 563, 564      |
| Glass unit for main mirror                                | 534           |
| Guide bearing                                             | 77            |
| H1/H1 main headlamp                                       | 171           |
| Hand brake valve                                          | 430           |
| Hydraulic filter                                          | 155           |
| Injection nozzle fitting                                  | 69, 70        |
| Muffler                                                   | 447           |
| Nozzle fitting                                            | 28            |
| Nozzle fitting sealing ring                               | 71            |
| Oil filter                                                | 144, 146      |
| Oil pressure sensor                                       | 66            |
| Oil pump                                                  | 66            |
| Position light                                            | 187           |
| Pressure control valve                                    | 434           |
| Relay valve                                               | 439           |
| Repair kit for air dryer                                  | 414           |
| Repair kit for brake calipers                             | 488           |
| Repair kit for brake shoe roller                          | 502           |
| Repair kit for fuel pump                                  | 68            |
| Repair kit for trailing link                              | 312           |
| Repair kit Kingpin                                        | 340           |
| Reset spring set                                          | 504           |
| Rubber bearing bush for wishbone link and transverse link | 323           |
| Rubber bearing for exhaust system                         | 110           |
| Shaft sealing ring                                        | 358           |
| Shift cylinder                                            | 88            |
| Shift cylinder valve                                      | 88            |
| Side light/indicator lens for main headlights             | 171           |
| Side marker light                                         | 197           |
| Solenoid valve                                            | 437           |
| Speed sensor                                              | 345, 347      |
| Stabiliser bearing section                                | 334           |
| Stabilizer mounting                                       | 333           |
| Starter battery                                           | 258           |
| Starter Motor                                             | 231           |

|                        |          |
|------------------------|----------|
| Steering Track Rod     | 268      |
| Surge tank             | 127      |
| Tapered roller bearing | 350      |
| Tension roller         | 7        |
| Trailing arm           | 308      |
| Truck wheel            | 364      |
| Washer fluid pump      | 573      |
| Water pump             | 134      |
| Wheel nut              | 363      |
| Wiper blade            | 581      |
| Wiper motor            | 574, 575 |

**SETRA series 300 HDH (TopClass)**

|                                  |          |
|----------------------------------|----------|
| Adjustment mechanism             | 377      |
| Air dryer                        | 410, 411 |
| Air filter                       | 152, 153 |
| Air spring bellows               | 384      |
| Air spring valve                 | 376      |
| Alternator                       | 241, 243 |
| Auxiliary flasher light          | 194      |
| Axial fan                        | 512      |
| Ball joint                       | 275      |
| Blowoff valve                    | 420      |
| Brake caliper                    | 485      |
| Brake disc                       | 491      |
| Brake lining set                 | 505      |
| Bus driver's seat                | 583      |
| Central/rear silencer            | 92       |
| Clamping sleeve for ABS sensor   | 343, 344 |
| Clutch kit                       | 78       |
| Clutch master cylinder           | 85       |
| Clutch plate                     | 80, 81   |
| Clutch releaser                  | 83       |
| Clutch servo                     | 87       |
| Combination brake cylinder       | 456      |
| Complete mirror system           | 534      |
| Control valve                    | 89       |
| Coolant thermostat               | 139      |
| Coupling pressure plate          | 78       |
| Cover lid                        | 129      |
| Deflection pulley/guide pulley   | 10       |
| Drag-link                        | 266      |
| Engine bearing                   | 61       |
| Exhaust pipe                     | 100      |
| Exhaust pipe clamp               | 106      |
| Fastening set for flywheel       | 75       |
| Flywheel                         | 73       |
| Flywheel race                    | 20       |
| Front pipe                       | 96       |
| Fuel filter                      | 147      |
| Gas spring                       | 563, 564 |
| Glass unit for main mirror       | 534      |
| Guide bearing                    | 77       |
| H1/H1 main headlamp              | 171      |
| Hand brake valve                 | 430      |
| Hydraulic filter                 | 155      |
| Injection nozzle fitting         | 69, 70   |
| Muffler                          | 447      |
| Nozzle fitting                   | 28       |
| Nozzle fitting sealing ring      | 71       |
| Oil filter                       | 144, 146 |
| Oil pressure sensor              | 66       |
| Poly-V belt tensioner            | 9        |
| Position light                   | 187      |
| Pressure control valve           | 434      |
| Rear silencer                    | 93       |
| Relay valve                      | 439      |
| Repair kit for brake calipers    | 488      |
| Repair kit for brake shoe roller | 502      |
| Repair kit for fuel pump         | 68       |
| Repair kit for trailing link     | 312      |

|                                                         |          |
|---------------------------------------------------------|----------|
| Repair kit Kingpin. . . . .                             | 340      |
| Reset spring set. . . . .                               | 504      |
| Rubber bearing for exhaust system . . . . .             | 110      |
| Shaft sealing ring. . . . .                             | 358      |
| Shift cylinder . . . . .                                | 88       |
| Shift cylinder valve . . . . .                          | 88       |
| Side light/indicator lens for main headlights . . . . . | 171      |
| Side marker light . . . . .                             | 197      |
| Solenoid valve . . . . .                                | 437      |
| Speed sensor. . . . .                                   | 345, 347 |
| Stabiliser bearing section. . . . .                     | 334      |
| Stabilizer mounting. . . . .                            | 333      |
| Starter battery . . . . .                               | 258      |
| Starter Motor . . . . .                                 | 231      |
| Steering damper . . . . .                               | 286      |
| Steering Track Rod . . . . .                            | 268      |
| Surge tank . . . . .                                    | 127      |
| Tapered roller bearing . . . . .                        | 350      |
| Tension roller . . . . .                                | 7        |
| Trailing arm . . . . .                                  | 308, 309 |
| Truck wheel . . . . .                                   | 364      |
| Washer fluid pump. . . . .                              | 573      |
| Water pump . . . . .                                    | 134      |
| Water trap . . . . .                                    | 468      |
| Wheel nut. . . . .                                      | 363      |
| Wiper blade . . . . .                                   | 581      |
| Wiper motor . . . . .                                   | 574, 575 |

#### SETRA S 328 DT (TopClass)

|                                             |          |
|---------------------------------------------|----------|
| Adjustment mechanism . . . . .              | 377      |
| Air dryer. . . . .                          | 410, 411 |
| Air filter. . . . .                         | 152      |
| Air spring bellows . . . . .                | 384      |
| Air spring valve . . . . .                  | 376      |
| Alternator . . . . .                        | 241, 243 |
| Auxiliary flasher light . . . . .           | 194      |
| Blowoff valve . . . . .                     | 420      |
| Brake disc . . . . .                        | 491      |
| Brake lining set . . . . .                  | 505      |
| Brake pad set. . . . .                      | 496      |
| Bus driver's seat . . . . .                 | 583      |
| Clamping sleeve for ABS sensor . . . . .    | 343, 344 |
| Clutch master cylinder . . . . .            | 85       |
| Clutch plate . . . . .                      | 81       |
| Clutch servo. . . . .                       | 87       |
| Combination brake cylinder . . . . .        | 456      |
| Complete mirror system. . . . .             | 534      |
| Coolant thermostat. . . . .                 | 139      |
| Coupling pressure plate. . . . .            | 78       |
| Coupling rod . . . . .                      | 325      |
| Drag-link. . . . .                          | 266      |
| Exhaust pipe . . . . .                      | 100      |
| Exhaust pipe clamp . . . . .                | 106      |
| Fastening set for disc brake pads . . . . . | 500      |
| Fastening set for flywheel. . . . .         | 75       |
| Flexible pipe. . . . .                      | 99       |
| Flywheel. . . . .                           | 73       |
| Flywheel race. . . . .                      | 20       |
| Fuel filter . . . . .                       | 147, 149 |
| Gas spring. . . . .                         | 564      |
| Glass unit for main mirror . . . . .        | 534      |
| Guide bearing . . . . .                     | 77       |
| H1/H1 main headlamp . . . . .               | 171      |
| Hand brake valve. . . . .                   | 430      |
| Hydraulic filter . . . . .                  | 155      |
| Injection nozzle fitting. . . . .           | 69, 70   |
| Muffler . . . . .                           | 447      |
| Nozzle fitting . . . . .                    | 28       |
| Nozzle fitting sealing ring. . . . .        | 71       |
| Oil filter. . . . .                         | 146      |
| Oil pressure sensor . . . . .               | 66       |

|                                                         |          |
|---------------------------------------------------------|----------|
| Position light . . . . .                                | 187      |
| Pressure control valve . . . . .                        | 434      |
| Relay valve. . . . .                                    | 439      |
| Repair kit for air dryer . . . . .                      | 414      |
| Repair kit for brake shoe roller. . . . .               | 502      |
| Repair kit for trailing link . . . . .                  | 312      |
| Repair kit Kingpin. . . . .                             | 340      |
| Reset spring set. . . . .                               | 504      |
| Rubber bearing for exhaust system . . . . .             | 110      |
| Shaft sealing ring. . . . .                             | 358      |
| Side light/indicator lens for main headlights . . . . . | 171      |
| Side marker light . . . . .                             | 197      |
| Solenoid valve . . . . .                                | 437      |
| Speed sensor. . . . .                                   | 347      |
| Stabiliser bearing section. . . . .                     | 334      |
| Starter battery . . . . .                               | 258      |
| Starter Motor . . . . .                                 | 231      |
| Steering damper . . . . .                               | 286      |
| Surge tank . . . . .                                    | 127      |
| Tapered roller bearing . . . . .                        | 350      |
| Tension roller . . . . .                                | 7        |
| Trailing arm . . . . .                                  | 308, 309 |
| Truck wheel . . . . .                                   | 364      |
| Washer fluid pump. . . . .                              | 573      |
| Water pump . . . . .                                    | 134      |
| Water trap . . . . .                                    | 468      |
| Wheel nut. . . . .                                      | 363      |
| Wiper blade . . . . .                                   | 581      |

#### SETRA series 300 GT-HD (ComfortClass)

|                                          |          |
|------------------------------------------|----------|
| Adjustment mechanism . . . . .           | 377      |
| Air dryer. . . . .                       | 410, 411 |
| Air filter. . . . .                      | 152, 153 |
| Air spring bellows . . . . .             | 384, 387 |
| Air spring valve . . . . .               | 376      |
| Air-conditioning compressor . . . . .    | 521      |
| Alternator . . . . .                     | 244      |
| Auxiliary flasher light . . . . .        | 194      |
| Axial fan . . . . .                      | 512      |
| Ball joint. . . . .                      | 275      |
| Blowoff valve . . . . .                  | 420, 423 |
| Brake caliper . . . . .                  | 485, 486 |
| Brake disc . . . . .                     | 491, 493 |
| Brake lining set . . . . .               | 505      |
| Brake pad set. . . . .                   | 496      |
| Bus driver's seat . . . . .              | 583      |
| Cabin filter . . . . .                   | 161      |
| Central/rear silencer . . . . .          | 92       |
| Charge air cooler . . . . .              | 118      |
| Clamping sleeve for ABS sensor . . . . . | 343, 344 |
| Clutch kit . . . . .                     | 78       |
| Clutch master cylinder . . . . .         | 85       |
| Clutch plate . . . . .                   | 80, 81   |
| Clutch releaser. . . . .                 | 83       |
| Clutch servo. . . . .                    | 87       |
| Combination brake cylinder . . . . .     | 462      |
| Complete mirror system. . . . .          | 534      |
| Compressor . . . . .                     | 398      |
| Coolant temperature sensor. . . . .      | 126      |
| Coolant thermostat. . . . .              | 139      |
| Coupling pressure plate. . . . .         | 78       |
| Coupling rod . . . . .                   | 323      |
| Cover lid. . . . .                       | 129      |
| Deflection pulley/guide pulley . . . . . | 10       |
| ECAS path sensor . . . . .               | 374      |
| Engine bearing. . . . .                  | 61       |
| Engine radiator. . . . .                 | 125      |
| Exhaust pipe . . . . .                   | 100      |
| Exhaust pipe clamp . . . . .             | 106      |
| Exhaust turbocharger. . . . .            | 62, 63   |
| Exhaust-manifold gasket . . . . .        | 111      |

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Fan wheel. . . . .                                      | 131                |
| Fastening set for disc brake pads . . . . .             | 500                |
| Fastening set for flywheel. . . . .                     | 75                 |
| Flywheel. . . . .                                       | 73                 |
| Flywheel race. . . . .                                  | 20                 |
| Front pipe. . . . .                                     | 95, 96             |
| Fuel filter . . . . .                                   | 147, 150           |
| Gas spring. . . . .                                     | 563, 564           |
| Glass unit for main mirror . . . . .                    | 534                |
| Guide bearing . . . . .                                 | 77                 |
| H1/H1 main headlamp . . . . .                           | 171                |
| Hand brake valve. . . . .                               | 430                |
| Hand feed pump . . . . .                                | 67                 |
| Heater Motor . . . . .                                  | 514                |
| Hydraulic filter . . . . .                              | 155                |
| Indicator light . . . . .                               | 193                |
| Indicator switch . . . . .                              | 251, 252           |
| Injection nozzle fitting. . . . .                       | 69, 70             |
| Intake-manifold gasket . . . . .                        | 123                |
| Membrane brake cylinder . . . . .                       | 452                |
| Muffler . . . . .                                       | 447                |
| Nozzle fitting . . . . .                                | 28                 |
| Nozzle fitting sealing ring . . . . .                   | 71                 |
| Oil cooler . . . . .                                    | 64                 |
| Oil cooler gasket . . . . .                             | 64                 |
| Oil filter. . . . .                                     | 144, 146           |
| Oil pump . . . . .                                      | 66                 |
| O-ring. . . . .                                         | 70                 |
| Poly-V belt tensioner . . . . .                         | 9                  |
| Position light . . . . .                                | 187                |
| Power-steering pump . . . . .                           | 290, 291           |
| Pressure control valve . . . . .                        | 434                |
| Radiator fan coupling. . . . .                          | 133                |
| Rear light . . . . .                                    | 202                |
| Rear silencer . . . . .                                 | 93                 |
| Relay valve. . . . .                                    | 439                |
| Repair kit for air dryer . . . . .                      | 414                |
| Repair kit for brake calipers. . . . .                  | 488                |
| Repair kit for brake shoe roller. . . . .               | 502                |
| Repair kit for compressor. . . . .                      | 403                |
| Repair kit for fuel pump . . . . .                      | 68                 |
| Repair kit for trailing link . . . . .                  | 312                |
| Repair kit for wheel hub. . . . .                       | 353                |
| Repair kit Kingpin. . . . .                             | 340                |
| Reset spring set. . . . .                               | 504                |
| Rubber bearing for exhaust system . . . . .             | 110                |
| Shaft sealing ring. . . . .                             | 358                |
| Shift cylinder . . . . .                                | 88                 |
| Shift cylinder valve . . . . .                          | 88                 |
| Shock absorber . . . . .                                | 393                |
| Side light/indicator lens for main headlights . . . . . | 171                |
| Side marker light . . . . .                             | 197                |
| Solenoid valve . . . . .                                | 437                |
| Speed sensor. . . . .                                   | 345, 346, 347      |
| Starter battery . . . . .                               | 258                |
| Starter Motor . . . . .                                 | 231, 232           |
| Steering Track Rod . . . . .                            | 268                |
| Surge tank . . . . .                                    | 127, 128           |
| Tapered roller bearing . . . . .                        | 350, 351           |
| Temperature sensor. . . . .                             | 72                 |
| Tension roller . . . . .                                | 7                  |
| Trailing arm . . . . .                                  | 302, 307, 308, 309 |
| Truck wheel . . . . .                                   | 364                |
| Unit injector . . . . .                                 | 69                 |
| Washer fluid pump. . . . .                              | 573                |
| Water pump . . . . .                                    | 134                |
| Water trap . . . . .                                    | 468                |
| Wheel bolt . . . . .                                    | 360                |
| Wheel nut. . . . .                                      | 363                |
| Wiper arm . . . . .                                     | 579                |

**SETRA series 300 NF (MultiClass)**

|                                             |          |
|---------------------------------------------|----------|
| Adjustment mechanism . . . . .              | 377      |
| Air dryer. . . . .                          | 410, 411 |
| Air filter. . . . .                         | 152, 153 |
| Air spring bellows . . . . .                | 384, 387 |
| Air spring valve . . . . .                  | 376      |
| Alternator . . . . .                        | 241, 247 |
| Auxiliary flasher light . . . . .           | 194      |
| Axial fan. . . . .                          | 512      |
| Ball joint. . . . .                         | 275, 280 |
| Blowoff valve . . . . .                     | 420      |
| Brake caliper . . . . .                     | 485, 486 |
| Brake disc . . . . .                        | 491, 493 |
| Brake pad set. . . . .                      | 495, 496 |
| Bumper . . . . .                            | 555, 560 |
| Bus driver's seat . . . . .                 | 583      |
| Cabin filter . . . . .                      | 161      |
| Central/rear silencer . . . . .             | 92       |
| Clamping sleeve for ABS sensor . . . . .    | 343, 344 |
| Clutch kit . . . . .                        | 78       |
| Clutch master cylinder . . . . .            | 85       |
| Clutch plate . . . . .                      | 80, 81   |
| Clutch releaser. . . . .                    | 83       |
| Clutch servo. . . . .                       | 87       |
| Combination brake cylinder. . . . .         | 461      |
| Complete mirror system. . . . .             | 534      |
| Compressor. . . . .                         | 398      |
| Control valve . . . . .                     | 89       |
| Coolant temperature sensor. . . . .         | 126      |
| Coolant thermostat. . . . .                 | 139      |
| Coupling pressure plate. . . . .            | 78, 80   |
| Coupling rod . . . . .                      | 324, 325 |
| Cover lid. . . . .                          | 129      |
| Deflection pulley/guide pulley . . . . .    | 10       |
| Drag-link. . . . .                          | 266      |
| ECAS path sensor . . . . .                  | 374      |
| Engine bearing. . . . .                     | 61       |
| Engine compartment cover . . . . .          | 560      |
| Engine compartment cover . . . . .          | 560      |
| Engine radiator. . . . .                    | 125      |
| Exhaust pipe . . . . .                      | 100      |
| Exhaust pipe clamp . . . . .                | 105, 106 |
| Fan wheel. . . . .                          | 132      |
| Fastening set for disc brake pads . . . . . | 500      |
| Fastening set for flywheel. . . . .         | 75       |
| Flywheel. . . . .                           | 73       |
| Flywheel race. . . . .                      | 20       |
| Front pipe. . . . .                         | 96       |
| Fuel filter . . . . .                       | 147      |
| Gas spring . . . . .                        | 563      |
| Gear capsule . . . . .                      | 560      |
| Glass unit for main mirror . . . . .        | 535      |
| Guide bearing . . . . .                     | 77       |
| H1/H1 main headlamp . . . . .               | 171      |
| Hand brake valve. . . . .                   | 430      |
| Heat protection panel. . . . .              | 109      |
| Heater Motor . . . . .                      | 514      |
| Hydraulic filter . . . . .                  | 155, 157 |
| Indicator switch . . . . .                  | 251, 252 |
| Injection nozzle fitting. . . . .           | 70       |
| Intake-manifold gasket . . . . .            | 123      |
| Main mirror. . . . .                        | 543      |
| Membrane brake cylinder . . . . .           | 452      |
| Mirror glass . . . . .                      | 534, 543 |
| Muffler . . . . .                           | 447      |
| Non-return valve. . . . .                   | 445      |
| Nozzle fitting sealing ring . . . . .       | 71       |
| Oil filter. . . . .                         | 144      |
| O-ring. . . . .                             | 70       |
| Position light . . . . .                    | 187      |

|                                                         |                    |                                             |          |
|---------------------------------------------------------|--------------------|---------------------------------------------|----------|
| Power-steering pump . . . . .                           | 290, 291           | Coupling rod . . . . .                      | 323, 325 |
| Pressure control valve . . . . .                        | 434                | Cover cap for main mirror . . . . .         | 543      |
| Radiator fan coupling . . . . .                         | 133                | Cover lid . . . . .                         | 129      |
| Rear light . . . . .                                    | 202                | Cylinder head . . . . .                     | 403      |
| Relay valve . . . . .                                   | 439                | Deflection pulley/guide pulley . . . . .    | 10       |
| Repair kit for air dryer . . . . .                      | 414                | Drag-link . . . . .                         | 266      |
| Repair kit for brake calipers . . . . .                 | 488                | Dryer . . . . .                             | 522, 523 |
| Repair kit for compressor . . . . .                     | 403                | ECAS path sensor . . . . .                  | 374      |
| Repair kit for trailing link . . . . .                  | 312                | Engine compartment cover . . . . .          | 560      |
| Repair kit Kingpin . . . . .                            | 340                | Evaporator . . . . .                        | 524      |
| Rubber bearing for exhaust system . . . . .             | 110                | Exhaust pipe clamp . . . . .                | 105, 106 |
| Rubber-to-metal bearing . . . . .                       | 110                | Exhaust-manifold gasket . . . . .           | 111      |
| Shaft sealing ring . . . . .                            | 357, 358           | Fan wheel . . . . .                         | 131      |
| Shift cylinder . . . . .                                | 88                 | Fastening set for disc brake pads . . . . . | 500      |
| Shift cylinder valve . . . . .                          | 88                 | Fastening set for flywheel . . . . .        | 75       |
| Shock absorber . . . . .                                | 392, 393           | Flywheel . . . . .                          | 73       |
| Side light/indicator lens for main headlights . . . . . | 171                | Flywheel race . . . . .                     | 20       |
| Solenoid valve . . . . .                                | 437                | Foot brake valve . . . . .                  | 428      |
| Speed sensor . . . . .                                  | 345, 346, 347      | Four-circuit protection valve . . . . .     | 418      |
| Stabiliser bearing section . . . . .                    | 334                | Front pipe . . . . .                        | 95, 97   |
| Starter battery . . . . .                               | 258                | Fuel filter . . . . .                       | 147, 149 |
| Starter Motor . . . . .                                 | 231, 232           | Fuel pump . . . . .                         | 68       |
| Tailpipe . . . . .                                      | 104                | Gas spring . . . . .                        | 563      |
| Tapered roller bearing . . . . .                        | 350, 351           | Gear capsule . . . . .                      | 560      |
| Temperature sensor . . . . .                            | 72                 | Glass unit for main mirror . . . . .        | 534, 535 |
| Tension roller . . . . .                                | 7                  | Guide bearing . . . . .                     | 77       |
| Trailing arm . . . . .                                  | 308                | Guide sealing set . . . . .                 | 489      |
| Truck wheel . . . . .                                   | 364                | H1 fog light . . . . .                      | 179      |
| Unit injector . . . . .                                 | 69                 | H1/H1 main headlamp . . . . .               | 171      |
| Valve plate . . . . .                                   | 403                | Hand brake valve . . . . .                  | 430      |
| Washer fluid pump . . . . .                             | 573                | Heat exchanger . . . . .                    | 518      |
| Water pump . . . . .                                    | 134                | Heater Motor . . . . .                      | 514, 515 |
| Water trap . . . . .                                    | 468                | Hydraulic filter . . . . .                  | 155, 157 |
| Wheel hub sealing ring . . . . .                        | 354                | Impact corner . . . . .                     | 560      |
| Wheel nut . . . . .                                     | 363                | Indicator light . . . . .                   | 193      |
| Wiper arm . . . . .                                     | 579                | Indicator switch . . . . .                  | 251, 252 |
| <b>SETRA series 300 UL (MultiClass)</b>                 |                    | Injection nozzle fitting . . . . .          | 70       |
| 'A' frame . . . . .                                     | 315                | Injection nozzle seal . . . . .             | 70       |
| Adjustment mechanism . . . . .                          | 377                | Intake-manifold gasket . . . . .            | 123      |
| Air dryer . . . . .                                     | 408, 410, 411      | LED side marker light . . . . .             | 196      |
| Air filter . . . . .                                    | 153                | Main mirror . . . . .                       | 543      |
| Air spring bellows . . . . .                            | 384, 385, 387, 388 | Membrane brake cylinder . . . . .           | 452, 453 |
| Air spring valve . . . . .                              | 375, 376           | Mirror glass . . . . .                      | 534, 543 |
| Air-conditioning compressor . . . . .                   | 521                | Muffler . . . . .                           | 447      |
| Alternator . . . . .                                    | 241, 243, 244      | Non-return valve . . . . .                  | 445      |
| Attachment screw for brake disc . . . . .               | 494                | Nozzle fitting sealing ring . . . . .       | 71       |
| Auxiliary flasher light . . . . .                       | 194                | Oil cooler . . . . .                        | 64       |
| Axial fan . . . . .                                     | 512                | Oil filter . . . . .                        | 144, 145 |
| Ball joint . . . . .                                    | 275, 282           | O-ring . . . . .                            | 70       |
| Blowoff valve . . . . .                                 | 420, 423           | Position light . . . . .                    | 187, 188 |
| Brake caliper . . . . .                                 | 484, 485, 486      | Power-steering pump . . . . .               | 290, 291 |
| Brake disc . . . . .                                    | 491, 493, 494      | Pressure control valve . . . . .            | 434      |
| Brake lining set . . . . .                              | 505                | Pressure pad set . . . . .                  | 490      |
| Brake pad set . . . . .                                 | 496, 497, 498      | Quick-release valve . . . . .               | 446      |
| Bumper . . . . .                                        | 555, 560           | Radiator fan coupling . . . . .             | 133      |
| Cabin filter . . . . .                                  | 161                | Rear light . . . . .                        | 202      |
| Charge air cooler . . . . .                             | 118, 119           | Rear silencer . . . . .                     | 93       |
| Clamping sleeve for ABS sensor . . . . .                | 344                | Relay valve . . . . .                       | 439      |
| Clutch kit . . . . .                                    | 78                 | Repair kit for air dryer . . . . .          | 414      |
| Clutch master cylinder . . . . .                        | 85                 | Repair kit for brake calipers . . . . .     | 488      |
| Clutch plate . . . . .                                  | 80, 81             | Repair kit for brake shoe roller . . . . .  | 502      |
| Clutch releaser . . . . .                               | 83                 | Repair kit for compressor . . . . .         | 403      |
| Clutch servo . . . . .                                  | 87                 | Repair kit for trailing link . . . . .      | 312      |
| Combination brake cylinder . . . . .                    | 462                | Repair kit for wheel hub . . . . .          | 353      |
| Complete mirror system . . . . .                        | 534                | Repair kit Kingpin . . . . .                | 340      |
| Compressor . . . . .                                    | 398                | Reset spring set . . . . .                  | 504      |
| Control valve . . . . .                                 | 89                 | Rolling piston . . . . .                    | 391      |
| Coolant temperature sensor . . . . .                    | 126                | Rubber bearing for exhaust system . . . . . | 110      |
| Coolant thermostat . . . . .                            | 139                | Rubber-to-metal bearing . . . . .           | 110      |
| Coupling pressure plate . . . . .                       | 78, 80             | Shaft sealing ring . . . . .                | 356, 358 |
|                                                         |                    | Shift cylinder . . . . .                    | 88       |



|                                                         |                         |                                                     |          |
|---------------------------------------------------------|-------------------------|-----------------------------------------------------|----------|
| Shift cylinder valve . . . . .                          | 88                      | Dryer . . . . .                                     | 523      |
| Shock absorber . . . . .                                | 392, 393, 394           | Dual mass flywheel . . . . .                        | 74       |
| Side light/indicator lens for main headlights . . . . . | 171                     | EBS axle modulator . . . . .                        | 431      |
| Snatch lock . . . . .                                   | 562                     | EBS relay valve . . . . .                           | 441      |
| Solenoid valve . . . . .                                | 437                     | ECAS path sensor . . . . .                          | 374      |
| Speed sensor . . . . .                                  | 345, 346, 347           | ECAS solenoid valve . . . . .                       | 373      |
| Stabiliser bearing section . . . . .                    | 334                     | Engine bearing . . . . .                            | 61       |
| Starter Motor . . . . .                                 | 231, 232, 237           | Engine radiator . . . . .                           | 125      |
| Steering Track Rod . . . . .                            | 268, 271                | Evaporator . . . . .                                | 524, 525 |
| Surge tank . . . . .                                    | 127, 128                | Exhaust pipe . . . . .                              | 100      |
| Tailpipe . . . . .                                      | 102, 104                | Exhaust pipe clamp . . . . .                        | 106      |
| Tapered roller bearing . . . . .                        | 350, 351                | Exhaust turbocharger . . . . .                      | 63       |
| Temperature sensor . . . . .                            | 72                      | Fan wheel . . . . .                                 | 131      |
| Tension roller . . . . .                                | 7                       | Fastening set for flywheel . . . . .                | 75       |
| Trailing arm . . . . .                                  | 296, 302, 307, 308, 309 | Flexible pipe . . . . .                             | 98       |
| Transverse link . . . . .                               | 320                     | Flywheel race . . . . .                             | 20       |
| Truck wheel . . . . .                                   | 364                     | Foot brake valve . . . . .                          | 428      |
| Unit injector . . . . .                                 | 69                      | Four-circuit protection valve . . . . .             | 416, 418 |
| Urea filter . . . . .                                   | 151                     | Front pipe . . . . .                                | 95, 96   |
| Washer fluid pump . . . . .                             | 573, 574                | Fuel filter . . . . .                               | 147, 149 |
| Water pump . . . . .                                    | 134, 135                | Gas spring . . . . .                                | 563, 564 |
| Water trap . . . . .                                    | 468                     | Glass unit for main mirror . . . . .                | 532      |
| Wheel bolt . . . . .                                    | 360                     | Glass unit suitable for wide angle mirror . . . . . | 532      |
| Wheel nut . . . . .                                     | 363                     | Guide bearing . . . . .                             | 77       |
| Wiper arm . . . . .                                     | 579                     | Guide sealing set . . . . .                         | 489      |
| Wiper bearing . . . . .                                 | 578                     | H1 fog light . . . . .                              | 179      |
| Wiper blade . . . . .                                   | 581, 582                | H11 fog light . . . . .                             | 180      |
| Wiper motor . . . . .                                   | 575                     | Hand brake valve . . . . .                          | 430      |
| Wiper rods . . . . .                                    | 576                     | Heat exchanger . . . . .                            | 518      |
| <b>SETRA series 400 HD (TopClass)</b>                   |                         | Heater Motor . . . . .                              | 514, 515 |
| 'A' frame . . . . .                                     | 315                     | Hose clip . . . . .                                 | 122      |
| ABS ring . . . . .                                      | 342                     | Hydraulic filter . . . . .                          | 155      |
| Adjustment mechanism for headlamp levelling . . . . .   | 175                     | Indicator light . . . . .                           | 193, 214 |
| Air dryer . . . . .                                     | 408, 410, 411           | Indicator switch . . . . .                          | 251, 252 |
| Air filter . . . . .                                    | 153                     | Injection nozzle seal . . . . .                     | 70       |
| Air spring bellows . . . . .                            | 384, 385, 386, 388      | Intake-manifold gasket . . . . .                    | 123      |
| Air spring valve . . . . .                              | 376                     | Kingpin . . . . .                                   | 336      |
| Air-conditioning compressor . . . . .                   | 521, 522                | LED indicator light . . . . .                       | 186      |
| Alternator . . . . .                                    | 241, 247                | LED numberplate lamp . . . . .                      | 221      |
| Attachment screw for brake disc . . . . .               | 494                     | LED side marker light . . . . .                     | 196      |
| Auxiliary flasher light . . . . .                       | 194                     | Membrane brake cylinder . . . . .                   | 453      |
| Axial fan . . . . .                                     | 512                     | Muffler . . . . .                                   | 447      |
| Ball joint . . . . .                                    | 274, 275, 284           | Non-return valve . . . . .                          | 445      |
| Ballast . . . . .                                       | 175                     | Oil cooler gasket . . . . .                         | 64, 65   |
| Bi-Xenon main headlamp . . . . .                        | 171                     | Oil filter . . . . .                                | 144, 145 |
| Blowoff valve . . . . .                                 | 423                     | Overflow valve . . . . .                            | 424, 426 |
| Brake caliper . . . . .                                 | 484, 485, 486, 487      | Poly-V belt tensioner . . . . .                     | 8, 9     |
| Brake disc . . . . .                                    | 491, 493, 494           | Position light . . . . .                            | 187, 188 |
| Brake pad set . . . . .                                 | 496, 497, 498           | Power-steering pump . . . . .                       | 290, 291 |
| Bus driver's seat . . . . .                             | 583                     | Pressure control valve . . . . .                    | 434      |
| Cabin filter . . . . .                                  | 161                     | Pressure pad set . . . . .                          | 490      |
| Cabin filter/pollen filter . . . . .                    | 159, 160                | Quick-release valve . . . . .                       | 446      |
| Central/rear silencer . . . . .                         | 92                      | Radiator fan coupling . . . . .                     | 133      |
| Charge air cooler . . . . .                             | 118                     | Rear light . . . . .                                | 202      |
| Charge air hose . . . . .                               | 119, 120                | Rear silencer . . . . .                             | 93       |
| Clamping sleeve for ABS sensor . . . . .                | 343                     | Relay valve . . . . .                               | 439      |
| Clearance light . . . . .                               | 200                     | Release fork . . . . .                              | 84       |
| Clutch kit . . . . .                                    | 78                      | Repair kit for air dryer . . . . .                  | 414      |
| Clutch master cylinder . . . . .                        | 85                      | Repair kit for compressor . . . . .                 | 403      |
| Clutch releaser . . . . .                               | 83                      | Repair kit for transverse link . . . . .            | 322      |
| Clutch servo . . . . .                                  | 86, 87                  | Repair kit for wheel hub . . . . .                  | 353      |
| Combination brake cylinder . . . . .                    | 462                     | Repair kit Kingpin . . . . .                        | 339      |
| Compressor . . . . .                                    | 398                     | Rolling piston . . . . .                            | 391      |
| Condenser . . . . .                                     | 525                     | Rubber bearing for exhaust system . . . . .         | 110      |
| Coolant temperature sensor . . . . .                    | 126                     | Safety plate . . . . .                              | 359      |
| Coolant thermostat . . . . .                            | 139                     | Shaft sealing ring . . . . .                        | 356, 357 |
| Coupling rod . . . . .                                  | 323, 325                | Shift cylinder . . . . .                            | 88       |
| Cover lid . . . . .                                     | 129                     | Shift cylinder valve . . . . .                      | 88       |
| Deflection pulley/guide pulley . . . . .                | 10                      | Shock absorber . . . . .                            | 392, 394 |
| Dehumidification valve . . . . .                        | 467                     | Side light/indicator lens for fog lamp . . . . .    | 179      |
|                                                         |                         | Side marker light . . . . .                         | 197, 198 |

|                                             |                         |                                           |               |
|---------------------------------------------|-------------------------|-------------------------------------------|---------------|
| Snatch lock                                 | 562                     | Engine radiator                           | 125           |
| Speed sensor                                | 343, 346, 347           | Evaporator                                | 525           |
| Stabiliser bearing section                  | 334                     | Exhaust pipe clamp                        | 106           |
| Starter battery                             | 258                     | Exhaust turbocharger                      | 63            |
| Starter Motor                               | 232, 237                | Fan wheel                                 | 131           |
| Steering Track Rod                          | 271                     | Fastening set for flywheel                | 75            |
| Surge tank                                  | 127                     | Flexible pipe                             | 98            |
| Tapered roller bearing                      | 350, 351                | Flywheel race                             | 20            |
| Tension roller                              | 7                       | Foot brake valve                          | 428           |
| Trailing arm                                | 296, 302, 309           | Four-circuit protection valve             | 416, 418      |
| Transverse link                             | 320                     | Front pipe                                | 95            |
| Truck wheel                                 | 364                     | Fuel filter                               | 147, 149      |
| Urea filter                                 | 151                     | Gas spring                                | 563, 564      |
| Washer fluid pump                           | 573, 574                | Gasket set for lamella valve              | 404           |
| Water pump                                  | 134, 135, 136           | Glass unit suitable for wide angle mirror | 532           |
| Water trap                                  | 468                     | Guide bearing                             | 77            |
| Wheel bolt                                  | 360                     | Guide sealing set                         | 489           |
| Wheel hub                                   | 349                     | H1 fog light                              | 179           |
| Wheel nut                                   | 363                     | H11 fog light                             | 180           |
| Wiper arm                                   | 579                     | Hand brake valve                          | 430           |
| Wiper bearing                               | 578                     | Heat exchanger                            | 518           |
| Wiper blade                                 | 581, 582                | Heater Motor                              | 514, 515      |
| Wiper motor                                 | 575                     | Hose clip                                 | 122           |
| Wiper rods                                  | 576                     | Hydraulic filter                          | 155, 156      |
| Working cylinder                            | 114                     | Indicator light                           | 193, 214      |
| <b>SETRA series 400 HDH (TopClass)</b>      |                         | Indicator switch                          | 251, 252, 253 |
| 'A' frame                                   | 315                     | Injection nozzle seal                     | 70            |
| Adjustment mechanism for headlamp levelling | 175                     | Intake hose                               | 123           |
| Air dryer                                   | 408, 410, 411, 413      | Intake-manifold gasket                    | 123           |
| Air filter                                  | 153                     | Kingpin                                   | 336           |
| Air spring bellows                          | 384, 385, 386, 387, 388 | LED indicator light                       | 186           |
| Air spring valve                            | 376                     | LED side marker light                     | 196           |
| Air-conditioning compressor                 | 521, 522                | Membrane brake cylinder                   | 452, 453      |
| Alternator                                  | 241, 247                | Muffler                                   | 447           |
| Attachment screw for brake disc             | 494                     | Non-return valve                          | 445           |
| Auxiliary flasher light                     | 194                     | Oil cooler gasket                         | 64, 65        |
| Axial fan                                   | 512                     | Oil filter                                | 144, 145      |
| Ball joint                                  | 274, 275, 279, 280      | Oil separator                             | 65            |
| Ballast                                     | 175                     | Overflow valve                            | 424, 426      |
| Bi-Xenon main headlamp                      | 171                     | Poly-V belt tensioner                     | 9             |
| Blowoff valve                               | 422, 423                | Position light                            | 187, 188      |
| Brake caliper                               | 484, 485, 486           | Power-steering pump                       | 290, 291      |
| Brake disc                                  | 491, 493, 494           | Pressure control valve                    | 434           |
| Brake pad set                               | 496, 497, 498           | Pressure limiter                          | 438           |
| Bus driver's seat                           | 583                     | Pressure pad set                          | 490           |
| Cabin filter                                | 160, 161                | Quick-release valve                       | 446           |
| Cabin filter/pollen filter                  | 159                     | Radiator fan coupling                     | 133           |
| Central/rear silencer                       | 92                      | Rear light                                | 202           |
| Charge air cooler                           | 118                     | Rear silencer                             | 93            |
| Charge air hose                             | 119, 120                | Relay valve                               | 439           |
| Clamping sleeve for ABS sensor              | 343                     | Release fork                              | 84            |
| Clutch actuator                             | 86                      | Repair kit for air dryer                  | 414           |
| Clutch kit                                  | 78                      | Repair kit for compressor                 | 403           |
| Clutch master cylinder                      | 85                      | Repair kit for trailing link              | 312           |
| Clutch plate                                | 81                      | Repair kit for transverse link            | 322           |
| Clutch releaser                             | 83                      | Rolling piston                            | 391           |
| Clutch servo                                | 86, 87                  | Rubber bearing for exhaust system         | 110           |
| Combination brake cylinder                  | 462                     | Safety plate                              | 359           |
| Compressor                                  | 398                     | Shaft sealing ring                        | 355, 356, 357 |
| Condenser                                   | 525                     | Shift cylinder                            | 88            |
| Coolant temperature sensor                  | 126                     | Shift cylinder valve                      | 88            |
| Coolant thermostat                          | 139                     | Shock absorber                            | 392, 393, 394 |
| Coupling pressure plate                     | 80                      | Side light/indicator lens for fog lamp    | 179           |
| Coupling rod                                | 323, 325                | Side marker light                         | 197           |
| Cover lid                                   | 129                     | Solenoid valve                            | 435           |
| Deflection pulley/guide pulley              | 10                      | Speed sensor                              | 343, 346, 347 |
| Dehumidification valve                      | 467                     | Stabiliser bearing section                | 334           |
| EBS axle modulator                          | 431                     | Starter battery                           | 258           |
| EBS relay valve                             | 441                     | Starter Motor                             | 232, 237      |
| Engine bearing                              | 61                      | Steering Track Rod                        | 269, 271      |
|                                             |                         | Surge tank                                | 127           |

|                        |                         |
|------------------------|-------------------------|
| Tailpipe               | 102                     |
| Tapered roller bearing | 350, 351                |
| Tension roller         | 7                       |
| Trailing arm           | 295, 296, 302, 308, 309 |
| Transverse link        | 319, 320                |
| Truck wheel            | 364                     |
| Washer fluid pump      | 573, 574                |
| Water pump             | 134, 136                |
| Water trap             | 468                     |
| Wheel bolt             | 360                     |
| Wheel hub              | 349                     |
| Wiper arm              | 579                     |
| Wiper bearing          | 578                     |
| Wiper blade            | 581, 582                |
| Wiper motor            | 575                     |
| Wiper rods             | 576                     |

#### SETRA S 431 DT (TopClass)

|                                                |                    |
|------------------------------------------------|--------------------|
| ABS ring                                       | 342                |
| Adjustment mechanism                           | 377                |
| Air dryer                                      | 408, 411           |
| Air filter                                     | 153                |
| Air spring bellows                             | 384, 385           |
| Air spring valve                               | 375, 376           |
| Air-conditioning compressor                    | 522                |
| Alternator                                     | 241, 247           |
| Attachment screw for brake disc                | 494                |
| Auxiliary flasher light                        | 194                |
| Axial fan                                      | 512                |
| Ball joint                                     | 275, 280, 284      |
| Ballast                                        | 175                |
| Bi-Xenon main headlamp                         | 171                |
| Blowoff valve                                  | 422, 423           |
| Brake caliper                                  | 484, 485, 486, 487 |
| Brake disc                                     | 491, 493, 494      |
| Brake pad set                                  | 496, 497, 498      |
| Bus driver's seat                              | 583                |
| Cabin filter                                   | 160, 161           |
| Charge air cooler                              | 118                |
| Charge air hose                                | 119, 120           |
| Clamping sleeve for ABS sensor                 | 343                |
| Clearance light                                | 200                |
| Clutch actuator                                | 86                 |
| Clutch master cylinder                         | 85                 |
| Clutch plate                                   | 81                 |
| Clutch releaser                                | 83                 |
| Clutch servo                                   | 86, 87             |
| Combination brake cylinder                     | 462                |
| Condenser                                      | 525                |
| Coolant temperature sensor                     | 126                |
| Coolant thermostat                             | 139                |
| Coupling pressure plate                        | 80                 |
| Coupling rod                                   | 323, 325           |
| Cover lid                                      | 129                |
| Cylinder head                                  | 403                |
| Deflection pulley/guide pulley                 | 10                 |
| Dehumidification valve                         | 467                |
| Drag-link                                      | 266                |
| Dryer                                          | 522                |
| EBS axle modulator                             | 431                |
| EBS relay valve                                | 441                |
| Engine bearing                                 | 61                 |
| Engine radiator                                | 125                |
| Exhaust pipe                                   | 101                |
| Exhaust pipe clamp                             | 106                |
| Exhaust turbocharger                           | 63                 |
| Fan wheel                                      | 131                |
| Fastening set for flywheel                     | 75                 |
| Flywheel race                                  | 20                 |
| Foot brake valve                               | 428                |
| Four-circuit protection valve                  | 416, 418           |
| Fuel filter                                    | 147, 149           |
| Gas spring                                     | 563, 564           |
| Gasket set for lamella valve                   | 404                |
| Glass unit for main mirror                     | 532                |
| Glass unit suitable for wide angle mirror      | 532                |
| Guide bearing                                  | 77                 |
| Guide sealing set                              | 489                |
| H1 fog light                                   | 179                |
| Hand brake valve                               | 430                |
| Heat exchanger                                 | 518, 519           |
| Heater Motor                                   | 514                |
| Hose clip                                      | 122                |
| Hydraulic filter                               | 155, 156           |
| Indicator light                                | 193, 214           |
| Indicator switch                               | 251, 252           |
| Injection nozzle seal                          | 70                 |
| Kingpin                                        | 336                |
| LED indicator light                            | 186                |
| LED numberplate lamp                           | 221                |
| LED side marker light                          | 196                |
| Membrane brake cylinder                        | 452                |
| Muffler                                        | 447                |
| Non-return valve                               | 444, 445           |
| Oil cooler gasket                              | 64, 65             |
| Oil filter                                     | 144                |
| Overflow valve                                 | 424                |
| Poly-V belt tensioner                          | 9                  |
| Position light                                 | 187                |
| Pressure limiter                               | 438                |
| Pressure pad set                               | 490                |
| Quick-release valve                            | 446                |
| Radiator fan coupling                          | 133                |
| Rear light                                     | 202                |
| Rear silencer                                  | 93                 |
| Relay valve                                    | 439                |
| Release fork                                   | 84                 |
| Repair kit for air dryer                       | 414                |
| Repair kit for compressor                      | 403                |
| Repair kit for trailing link for trailing link | 310                |
| Repair kit for wheel hub                       | 353                |
| Rubber bearing for exhaust system              | 110                |
| Safety plate                                   | 359                |
| Shaft sealing ring                             | 355, 356, 357, 358 |
| Shift cylinder valve                           | 88                 |
| Shock absorber                                 | 392, 393           |
| Side light/indicator lens for fog lamp         | 179                |
| Side marker light                              | 197                |
| Solenoid valve                                 | 435, 436           |
| Speed sensor                                   | 343, 346, 347      |
| Starter battery                                | 258                |
| Starter Motor                                  | 232, 237           |
| Steering Track Rod                             | 269, 272           |
| Surge tank                                     | 127                |
| Tailpipe                                       | 102                |
| Tapered roller bearing                         | 350, 351           |
| Tension roller                                 | 7                  |
| Trailing arm                                   | 295, 302, 303, 308 |
| Truck wheel                                    | 364                |
| Urea filter                                    | 151                |
| Washer fluid pump                              | 574                |
| Water pump                                     | 134, 136, 137      |
| Water trap                                     | 468                |
| Wheel bolt                                     | 360                |
| Wheel hub                                      | 349                |
| Wheel nut                                      | 363                |
| Wiper arm                                      | 579                |
| Wiper bearing                                  | 578                |
| Wiper blade                                    | 582                |
| Wiper motor                                    | 575                |
| Working cylinder                               | 114                |

**SETRA series 400 GT-HD (ComfortClass)**

|                                           |                              |
|-------------------------------------------|------------------------------|
| 'A' frame                                 | 315                          |
| ABS ring                                  | 342                          |
| Adjustment mechanism                      | 377                          |
| Air dryer                                 | 408, 410, 411, 413           |
| Air filter                                | 153                          |
| Air spring bellows                        | 384, 385, 386, 388           |
| Air spring valve                          | 375                          |
| Air-conditioning compressor               | 521, 522                     |
| Alternator                                | 241, 247                     |
| Attachment screw for brake disc           | 494                          |
| Auxiliary flasher light                   | 194                          |
| Axial fan                                 | 512                          |
| Ball joint                                | 273, 274, 275, 279, 280, 282 |
| Ballast                                   | 175                          |
| Bi-Xenon main headlamp                    | 171                          |
| Blowoff valve                             | 422, 423                     |
| Brake anchor plate                        | 487                          |
| Brake caliper                             | 484, 485, 486, 487           |
| Brake disc                                | 491, 493, 494                |
| Brake pad set                             | 497, 498                     |
| Cabin filter                              | 160                          |
| Cabin filter/pollen filter                | 159                          |
| Central/rear silencer                     | 92                           |
| Charge air cooler                         | 118                          |
| Charge air hose                           | 119, 120                     |
| Clamping sleeve for ABS sensor            | 344                          |
| Clearance light                           | 199, 200                     |
| Clutch kit                                | 78                           |
| Clutch master cylinder                    | 85                           |
| Clutch releaser                           | 83                           |
| Clutch servo                              | 86                           |
| Combination brake cylinder                | 462                          |
| Compressor                                | 398                          |
| Condenser                                 | 525                          |
| Control unit                              | 526                          |
| Coolant thermostat                        | 139                          |
| Coupling rod                              | 323, 325                     |
| Cover for tow beam                        | 559                          |
| Cover for trailer coupling                | 559                          |
| Deflection pulley/guide pulley            | 10                           |
| Dehumidification valve                    | 466, 467                     |
| Dryer                                     | 522                          |
| EBS axle modulator                        | 431                          |
| EBS relay valve                           | 441                          |
| ECAS path sensor                          | 374                          |
| ECAS solenoid valve                       | 372, 373                     |
| Electronic operating unit                 | 526                          |
| Engine radiator                           | 125                          |
| Evaporator                                | 524, 525                     |
| Exhaust pipe                              | 100                          |
| Exhaust pipe clamp                        | 106                          |
| Fan wheel                                 | 131                          |
| Flexible pipe                             | 98                           |
| Flywheel race                             | 20                           |
| Foot brake valve                          | 428                          |
| Four-circuit protection valve             | 416, 418                     |
| Front pipe                                | 96                           |
| Fuel filter                               | 147, 149                     |
| Gas spring                                | 563, 564                     |
| Glass unit for main mirror                | 532                          |
| Glass unit suitable for wide angle mirror | 532                          |
| Guide bearing                             | 77                           |
| Guide sealing set                         | 489                          |
| H1 fog light                              | 179                          |
| H11 fog light                             | 180                          |
| Hand brake valve                          | 430                          |
| Heat exchanger                            | 518                          |
| Heater Motor                              | 514, 515                     |
| Hose clip                                 | 120, 122                     |
| Hydraulic filter                          | 155, 156                     |

|                                |                    |
|--------------------------------|--------------------|
| Indicator light                | 193, 214           |
| Indicator switch               | 251, 252, 253      |
| Intake hose                    | 123                |
| Kingpin                        | 336                |
| LED numberplate lamp           | 221                |
| LED side marker light          | 196                |
| Membrane brake cylinder        | 452, 453           |
| Muffler                        | 447                |
| Non-return valve               | 445                |
| Oil filter                     | 145                |
| Overflow valve                 | 424                |
| Poly-V belt tensioner          | 9                  |
| Position light                 | 187, 188           |
| Power-steering pump            | 290, 291           |
| Pressure control valve         | 434                |
| Pressure limiter               | 438                |
| Pressure pad set               | 490                |
| Quick-release valve            | 446                |
| Radiator fan coupling          | 133                |
| Rear silencer                  | 93                 |
| Relay valve                    | 439                |
| Release fork                   | 84                 |
| Repair kit for transverse link | 322                |
| Repair kit for wheel hub       | 353                |
| Repair kit Kingpin             | 339                |
| Rolling piston                 | 391                |
| Sensor for clutch booster      | 88                 |
| Shaft sealing ring             | 355, 356, 357      |
| Shock absorber                 | 392, 393, 394      |
| Snatch lock                    | 562                |
| Solenoid valve                 | 435, 436           |
| Speed sensor                   | 343, 346           |
| Stabiliser bearing section     | 334                |
| Starter Motor                  | 232, 237           |
| Steering Track Rod             | 269, 271           |
| Surge tank                     | 127                |
| Tailpipe                       | 102, 104           |
| Tapered roller bearing         | 350, 351           |
| Trailing arm                   | 295, 296, 302, 308 |
| Transverse link                | 319, 320           |
| Urea filter                    | 151                |
| Washer fluid pump              | 573, 574           |
| Water pump                     | 135                |
| Water trap                     | 468                |
| Wheel bolt                     | 360                |
| Wheel hub                      | 349                |
| Wheel nut                      | 363                |
| Wiper arm                      | 579                |
| Wiper bearing                  | 578                |
| Wiper blade                    | 581, 582           |
| Wiper motor                    | 575                |
| Wiper rods                     | 576                |
| Working cylinder               | 114                |

**SETRA series 400 NF (MultiClass)**

|                                             |                    |
|---------------------------------------------|--------------------|
| Adjustment mechanism for headlamp levelling | 175                |
| Air dryer                                   | 410                |
| Air filter                                  | 152, 153           |
| Air spring bellows                          | 385, 386           |
| Air-conditioning compressor                 | 521                |
| Alternator                                  | 241, 247           |
| Attachment screw for flywheel               | 75                 |
| Axial fan                                   | 512                |
| Ball joint                                  | 274, 275, 276, 280 |
| Bi-Xenon main headlamp                      | 171                |
| Brake caliper                               | 484, 485, 486      |
| Brake disc                                  | 491, 493, 494      |
| Brake pad set                               | 497, 498           |
| Bumper                                      | 558                |
| Cabin filter                                | 160                |
| Cabin filter/pollen filter                  | 159                |

|                                   |                    |
|-----------------------------------|--------------------|
| Charge air cooler                 | 119                |
| Combination brake cylinder        | 460                |
| Compressor                        | 398, 402           |
| Condenser                         | 525                |
| Coolant thermostat                | 140                |
| Coupling rod                      | 324, 327           |
| Cover cap for main mirror         | 543                |
| Deflection pulley/guide pulley    | 10                 |
| Drag-link                         | 265, 266           |
| Dryer                             | 523                |
| EBS axle modulator                | 431                |
| EBS foot brake module             | 429                |
| EBS relay valve                   | 441                |
| ECAS path sensor                  | 374                |
| ECAS solenoid valve               | 373                |
| Engine radiator                   | 125                |
| Evaporator                        | 524                |
| Fan wheel                         | 131                |
| Fastening set for disc brake pads | 500                |
| Flexible pipe                     | 98                 |
| Four-circuit protection valve     | 416                |
| Front pipe                        | 95, 96             |
| Fuel filter                       | 147, 149           |
| Guide sealing set                 | 489                |
| H1 fog light                      | 179                |
| Hand brake valve                  | 430                |
| Heater Motor                      | 514                |
| Hydraulic filter                  | 155, 156           |
| Indicator light                   | 193, 214           |
| Indicator switch                  | 252                |
| Intake-manifold gasket            | 123                |
| LED side marker light             | 196                |
| Main mirror                       | 543                |
| Membrane brake cylinder           | 452                |
| Mirror glass                      | 534, 543           |
| Motor coach brake valve           | 427                |
| Numberplate lamp                  | 221                |
| Oil cooler                        | 64                 |
| Oil filter                        | 145                |
| Overflow valve                    | 424                |
| Poly-V belt tensioner             | 8, 9               |
| Position light                    | 187, 188           |
| Power-steering pump               | 290                |
| Pressure control valve            | 434                |
| Pressure pad set                  | 490                |
| Quick-release valve               | 445                |
| Radiator fan coupling             | 133                |
| Rear light                        | 201                |
| Rear silencer                     | 93                 |
| Relay valve                       | 440                |
| Rolling piston                    | 391                |
| Shock absorber                    | 393                |
| Solenoid valve                    | 435, 436           |
| Speed sensor                      | 345                |
| Stabiliser bearing section        | 334                |
| Starter Motor                     | 232, 235, 237, 239 |
| Steering Track Rod                | 269, 270           |
| Surge tank                        | 127                |
| Tailpipe                          | 102, 103           |
| Trailing arm                      | 295                |
| Transverse link                   | 319                |
| Urea filter                       | 151                |
| Washer fluid pump                 | 573, 574           |
| Water pump                        | 135, 137           |
| Water trap                        | 468                |
| Wheel hub                         | 349                |
| Wiper arm                         | 579                |
| Wiper bearing                     | 578                |
| Wiper blade                       | 581, 582           |
| Wiper motor                       | 575                |
| Wiper rods                        | 577                |

**SETRA series 400 UL (MultiClass)**

|                                             |                         |
|---------------------------------------------|-------------------------|
| 3/2-way valve                               | 443                     |
| 'A' frame                                   | 315                     |
| ABS ring                                    | 342                     |
| Adjustment mechanism for headlamp levelling | 175                     |
| Air dryer                                   | 408, 410                |
| Air filter                                  | 153                     |
| Air spring bellows                          | 384, 385, 386, 388      |
| Air spring valve                            | 375                     |
| Air-conditioning compressor                 | 521                     |
| Alternator                                  | 241                     |
| Attachment screw for brake disc             | 494                     |
| Attachment screw for flywheel               | 75                      |
| Axial fan                                   | 512                     |
| Ball joint                                  | 274, 275, 279, 280, 282 |
| Bi-Xenon main headlamp                      | 171                     |
| Blowoff valve                               | 421, 423                |
| Brake caliper                               | 484, 485, 486, 487      |
| Brake disc                                  | 491, 493, 494           |
| Brake pad set                               | 497, 498                |
| Cabin filter                                | 160                     |
| Cabin filter/pollen filter                  | 159                     |
| Charge air cooler                           | 118, 119                |
| Charge air hose                             | 120                     |
| Clamping sleeve for ABS sensor              | 344                     |
| Clearance light                             | 199, 200                |
| Close-tolerance bolt for brake caliper      | 490                     |
| Clutch kit                                  | 78                      |
| Clutch master cylinder                      | 85                      |
| Clutch releaser                             | 83                      |
| Clutch servo                                | 86                      |
| Combination brake cylinder                  | 462                     |
| Complete mirror system                      | 532                     |
| Compressor                                  | 398                     |
| Coolant thermostat                          | 139                     |
| Coupling rod                                | 323, 325                |
| Cover cap for main mirror                   | 543                     |
| Deflection pulley/guide pulley              | 10                      |
| Dryer                                       | 522, 523                |
| ECAS path sensor                            | 374                     |
| ECAS solenoid valve                         | 372, 373                |
| Engine bearing                              | 61                      |
| Evaporator                                  | 524                     |
| Exhaust pipe clamp                          | 106                     |
| Exhaust turbocharger                        | 63                      |
| Fan wheel                                   | 131                     |
| Fastening set for flywheel                  | 75                      |
| Flywheel                                    | 73, 74                  |
| Foot brake valve                            | 428                     |
| Four-circuit protection valve               | 418                     |
| Front pipe                                  | 95, 96                  |
| Fuel filter                                 | 147, 149                |
| Gas spring                                  | 563                     |
| Glass unit for main mirror                  | 532                     |
| Guide bearing                               | 77                      |
| Guide sealing set                           | 489                     |
| H1 fog light                                | 179                     |
| Hand brake valve                            | 430                     |
| Heat exchanger                              | 518                     |
| Heater Motor                                | 514, 515                |
| Hose clip                                   | 120                     |
| Hydraulic filter                            | 156, 157                |
| Indicator light                             | 193                     |
| Indicator switch                            | 252                     |
| Kingpin                                     | 336                     |
| LED numberplate lamp                        | 221                     |
| LED side marker light                       | 196                     |
| Main mirror                                 | 543                     |
| Membrane brake cylinder                     | 453                     |
| Mirror glass                                | 534, 543                |
| Muffler                                     | 447                     |



|                                |               |
|--------------------------------|---------------|
| Non-return valve               | 445           |
| Oil filter                     | 145           |
| Overflow valve                 | 424           |
| Position light                 | 187, 188      |
| Power-steering pump            | 291           |
| Pressure control valve         | 434           |
| Pressure pad set               | 490           |
| Radiator fan coupling          | 133           |
| Rear silencer                  | 93            |
| Relay valve                    | 439, 440      |
| Release fork                   | 84            |
| Repair kit for transverse link | 322           |
| Rolling piston                 | 391           |
| Shaft sealing ring             | 355, 356, 357 |
| Shock absorber                 | 392, 393, 394 |
| Snatch lock                    | 562           |
| Solenoid valve                 | 435           |
| Speed sensor                   | 343, 346      |
| Stabiliser bearing section     | 334           |
| Starter Motor                  | 237           |
| Steering Track Rod             | 269, 271      |
| Tailpipe                       | 102, 103      |
| Tapered roller bearing         | 350, 351      |
| Tension roller                 | 7             |
| Trailing arm                   | 296, 302, 308 |
| Transverse link                | 319, 320      |
| Urea filter                    | 151           |
| Washer fluid pump              | 573, 574      |
| Water pump                     | 135           |
| Water trap                     | 468           |
| Wheel bolt                     | 360           |
| Wheel hub                      | 349           |
| Wiper arm                      | 579           |
| Wiper bearing                  | 578           |
| Wiper blade                    | 581, 582      |
| Wiper motor                    | 575           |
| Wiper rods                     | 576           |
| Working cylinder               | 114           |

**SOLARIS Urbino III [2004-]**

|                            |                         |
|----------------------------|-------------------------|
| Air dryer                  | 405, 412                |
| Air filter                 | 153                     |
| Air spring                 | 380                     |
| Alternator                 | 241, 243                |
| Auxiliary flasher light    | 194                     |
| Axial fan                  | 512                     |
| Ball joint                 | 274, 275, 276, 277, 284 |
| Ballast                    | 230                     |
| Blowoff valve              | 420, 423                |
| Brake caliper              | 485, 486                |
| Brake disc                 | 491, 493                |
| Brake pad set              | 496, 497, 498           |
| Bumper                     | 561                     |
| Bushing for rim centering  | 362                     |
| Cabin filter               | 160                     |
| Cabin filter/pollen filter | 159                     |
| Central/rear silencer      | 92                      |
| Charge air cooler          | 118                     |
| Combination brake cylinder | 460, 462                |
| Complete mirror system     | 530, 535                |
| Cover for mirror arm       | 530                     |
| Dehumidification valve     | 466                     |
| Door sensor                | 568                     |
| Drag-link                  | 267                     |
| EBS axle modulator         | 431                     |
| EBS relay valve            | 441                     |
| ECAS path sensor           | 374                     |
| ECAS solenoid valve        | 372                     |
| Engine radiator            | 124, 125                |
| Fan hub                    | 133                     |
| Fan wheel                  | 132                     |

|                                                  |                    |
|--------------------------------------------------|--------------------|
| Foot brake valve                                 | 428                |
| Four-circuit protection valve                    | 415                |
| Front flap                                       | 561                |
| Front trim                                       | 561                |
| Fuel filter                                      | 147, 148, 149, 150 |
| Fuel filter cartridge                            | 148                |
| Fuel pre-filter                                  | 149                |
| Fuel pre-filter system                           | 150                |
| Gas spring                                       | 564                |
| Guide sealing set                                | 489                |
| Hand brake valve                                 | 429, 430           |
| Hand feed pump                                   | 67                 |
| Headlamp insert                                  | 172                |
| Heater Motor                                     | 514                |
| Hydraulic filter                                 | 155, 156, 157      |
| Impact corner                                    | 561                |
| Indicator light                                  | 184, 217           |
| Indicator switch                                 | 252                |
| LED brake light                                  | 207                |
| LED indicator light                              | 216                |
| LED position light                               | 190                |
| LED rear fog lamp                                | 213                |
| LED reversing light                              | 210                |
| LED side marker light                            | 196, 198           |
| Main mirror                                      | 545                |
| Membrane brake cylinder                          | 453                |
| Mirror glass                                     | 535, 545           |
| Mounting bracket, outside mirror for main mirror | 530                |
| Numberplate lamp                                 | 221                |
| Oil cooler                                       | 64                 |
| Oil filter                                       | 144, 146           |
| Overflow valve                                   | 424, 426           |
| Poly-V belt tensioner                            | 9                  |
| Position light                                   | 190                |
| Pressure control valve                           | 433, 434           |
| Pressure pad set                                 | 490                |
| Pressure switch                                  | 448, 566           |
| Quick-release valve                              | 446                |
| Radiator fan                                     | 131                |
| Relay valve                                      | 440                |
| Repair kit for brake calipers                    | 489                |
| Repair kit for trailing link for trailing link   | 313                |
| Retainer ring                                    | 362                |
| Reversing light                                  | 210                |
| Round reflector                                  | 222                |
| Screw for tracking adjustment                    | 273                |
| Seal for hub cover                               | 354                |
| Shaft sealing ring                               | 356, 357           |
| Shock absorber                                   | 393                |
| Snatch lock                                      | 562                |
| Solenoid valve                                   | 435, 436, 437, 567 |
| Speed sensor                                     | 342, 343, 346      |
| Steering Track Rod                               | 270, 272           |
| Surge tank                                       | 127                |
| Tapered roller bearing                           | 350, 351           |
| Trailing arm                                     | 301, 304           |
| Transverse link                                  | 320                |
| Water trap                                       | 467                |
| Wheel bolt                                       | 359                |
| Wheel hub sealing ring                           | 354                |
| Wheel nut                                        | 363                |
| Wiper arm                                        | 580                |
| Wiper bearing                                    | 578                |
| Wiper blade                                      | 581, 582           |
| Wiper motor                                      | 575                |
| Wiper rods                                       | 577                |
| Working cylinder                                 | 114                |

**SOLARIS Vacanza**

|            |     |
|------------|-----|
| Air filter | 153 |
| Air spring | 380 |

|                                     |     |
|-------------------------------------|-----|
| Brake pad set. . . . .              | 498 |
| Cabin filter/pollen filter. . . . . | 159 |
| Fuel filter . . . . .               | 149 |
| Fuel pre-filter . . . . .           | 149 |
| Oil filter. . . . .                 | 146 |
| Wiper blade . . . . .               | 582 |

#### TEMSA Diamond

|                                     |          |
|-------------------------------------|----------|
| Alternator . . . . .                | 245      |
| Brake pad sensor. . . . .           | 500      |
| Brake pad set. . . . .              | 498      |
| Cabin filter . . . . .              | 160      |
| Cabin filter/pollen filter. . . . . | 159      |
| Exhaust pipe gasket. . . . .        | 112      |
| Fuel filter . . . . .               | 148      |
| Injection nozzle fitting. . . . .   | 70       |
| Oil filter. . . . .                 | 145      |
| Transverse link. . . . .            | 318, 319 |

#### TEMSA Opalin

|                                 |     |
|---------------------------------|-----|
| Air filter. . . . .             | 153 |
| Air spring . . . . .            | 378 |
| Air spring bellows . . . . .    | 384 |
| Alternator . . . . .            | 245 |
| Complete mirror system. . . . . | 533 |

#### TEMSA Safari

|                                        |               |
|----------------------------------------|---------------|
| Air filter. . . . .                    | 152, 153      |
| Air spring bellows . . . . .           | 383, 384, 385 |
| Brake caliper . . . . .                | 480, 481      |
| Brake disc . . . . .                   | 491, 492      |
| Brake pad sensor. . . . .              | 500           |
| Brake pad set. . . . .                 | 495, 497, 498 |
| Central/rear silencer . . . . .        | 92            |
| Clutch master cylinder . . . . .       | 84            |
| Clutch servo. . . . .                  | 87            |
| Combination brake cylinder. . . . .    | 456           |
| Complete mirror system. . . . .        | 533           |
| Coupling rod . . . . .                 | 325           |
| Headlamp insert. . . . .               | 172           |
| Hydraulic filter . . . . .             | 155, 156      |
| Hydraulic motor . . . . .              | 133           |
| Indicator light . . . . .              | 184           |
| Oil filter. . . . .                    | 144, 145, 146 |
| Repair kit for trailing link . . . . . | 312           |
| Shock absorber . . . . .               | 392, 394      |
| Speed sensor. . . . .                  | 346           |
| Starter Motor . . . . .                | 231, 234      |
| Transverse link. . . . .               | 316, 318      |
| Wiper blade . . . . .                  | 581, 582      |

#### TEMSA Tourmalin

|                                     |          |
|-------------------------------------|----------|
| Air spring bellows . . . . .        | 384      |
| Alternator . . . . .                | 241      |
| Brake disc . . . . .                | 491, 493 |
| Cabin filter/pollen filter. . . . . | 159      |
| Clutch servo. . . . .               | 87       |
| Coupling rod . . . . .              | 325      |
| Indicator light . . . . .           | 184      |
| Transverse link. . . . .            | 316, 318 |
| Wiper blade . . . . .               | 581, 582 |

#### VAN HOOL series A

|                                |               |
|--------------------------------|---------------|
| 2-way valve . . . . .          | 442           |
| 3/2-way valve. . . . .         | 443           |
| 5/2-way valve. . . . .         | 443           |
| ABS connection cable . . . . . | 348           |
| Air spring bellows . . . . .   | 384, 385, 386 |
| Blowoff valve . . . . .        | 420           |
| Brake caliper . . . . .        | 480, 481, 482 |
| Brake disc . . . . .           | 491, 492      |

|                                                         |               |
|---------------------------------------------------------|---------------|
| Brake pad sensor. . . . .                               | 500           |
| Brake pad set. . . . .                                  | 497           |
| Cabin filter . . . . .                                  | 160           |
| Cabin filter/pollen filter. . . . .                     | 159           |
| Clamping sleeve for ABS sensor . . . . .                | 344           |
| Combination brake cylinder . . . . .                    | 464           |
| Door sensor. . . . .                                    | 567           |
| Fuel filter . . . . .                                   | 148           |
| Membrane brake cylinder . . . . .                       | 451           |
| Motor coach brake valve . . . . .                       | 427           |
| Muffler . . . . .                                       | 447, 448      |
| Non-return valve. . . . .                               | 444           |
| Oil filter. . . . .                                     | 144, 145, 146 |
| Pipe filter . . . . .                                   | 414           |
| Pressure control valve . . . . .                        | 434           |
| Pressure switch . . . . .                               | 448, 566      |
| Relief pressure valve . . . . .                         | 404           |
| Repair kit for trailing link for trailing link. . . . . | 311           |
| Shock absorber . . . . .                                | 393, 395      |
| Solenoid valve . . . . .                                | 435, 567      |
| Speed sensor. . . . .                                   | 343, 346      |
| Starter Motor . . . . .                                 | 233           |
| Urea filter . . . . .                                   | 151           |
| Wheel bolt . . . . .                                    | 359           |
| Wiper blade . . . . .                                   | 581, 582      |

#### VAN HOOL series T

|                                      |               |
|--------------------------------------|---------------|
| Air dryer. . . . .                   | 412           |
| Air spring bellows . . . . .         | 384, 385, 386 |
| Brake caliper . . . . .              | 480, 481      |
| Brake disc . . . . .                 | 491, 492      |
| Brake pad sensor. . . . .            | 500           |
| Brake pad set. . . . .               | 498           |
| Combination brake cylinder . . . . . | 464           |
| Exhaust pipe gasket. . . . .         | 112           |
| Fuel filter . . . . .                | 148, 149      |
| Fuel pre-filter . . . . .            | 149           |
| Headlamp insert. . . . .             | 172, 177      |
| Indicator light . . . . .            | 184           |
| Membrane brake cylinder . . . . .    | 451           |
| Oil filter. . . . .                  | 144, 145, 146 |
| Poly-V belt tensioner . . . . .      | 9             |
| Shock absorber . . . . .             | 395           |
| Speed sensor. . . . .                | 346           |
| Urea filter . . . . .                | 151           |
| Wiper blade . . . . .                | 582           |

#### VDL Berkhof Ambassador

|                                  |          |
|----------------------------------|----------|
| Brake pad sensor. . . . .        | 500      |
| Brake pad set. . . . .           | 497, 498 |
| Pressure control valve . . . . . | 434      |
| Quick-release valve . . . . .    | 446      |
| Speed sensor. . . . .            | 342      |
| Urea filter . . . . .            | 151      |
| Washer fluid pump. . . . .       | 574      |
| Wiper blade . . . . .            | 581, 582 |
| Wiper motor. . . . .             | 574      |

#### VDL Bova Futura

|                                  |                    |
|----------------------------------|--------------------|
| Air filter. . . . .              | 153                |
| Air spring bellows . . . . .     | 386                |
| Alternator . . . . .             | 241                |
| Ball joint. . . . .              | 274, 275, 277, 284 |
| Brake disc . . . . .             | 491, 493           |
| Brake lining set . . . . .       | 505                |
| Brake pad set. . . . .           | 496, 498           |
| Coupling pressure plate. . . . . | 80                 |
| Cover lid. . . . .               | 129                |
| Fuel filter . . . . .            | 148, 149           |
| Fuel filter cartridge. . . . .   | 148                |
| Headlamp insert. . . . .         | 172, 177           |

|                               |          |
|-------------------------------|----------|
| Hydraulic filter              | 155, 156 |
| Oil filter                    | 144, 146 |
| Poly-V belt tensioner         | 9        |
| Pressure control valve        | 434      |
| Relay valve                   | 439      |
| Repair kit for trailing link  | 312      |
| Rolling piston                | 390      |
| Screw for tracking adjustment | 273      |
| Shock absorber                | 392, 394 |
| Starter Motor                 | 236, 239 |
| Surge tank                    | 127      |
| Urea filter                   | 151      |
| Wheel bolt                    | 359      |
| Wiper blade                   | 582      |

#### **VDL Bova Lexio**

|                              |          |
|------------------------------|----------|
| Air filter                   | 153      |
| Brake pad set                | 496, 498 |
| Oil filter                   | 144, 146 |
| Repair kit for trailing link | 312      |
| Transverse link              | 320      |
| Urea filter                  | 151      |

#### **VDL Bova Magiq**

|                               |                    |
|-------------------------------|--------------------|
| 3-way valve                   | 442                |
| Air filter                    | 153                |
| Air spring bellows            | 386                |
| Alternator                    | 241                |
| Ball joint                    | 274, 275, 277, 284 |
| Brake pad set                 | 496, 498           |
| EBS axle modulator            | 431                |
| EBS relay valve               | 441                |
| ECAS path sensor              | 374                |
| ECAS solenoid valve           | 372                |
| Foot brake valve              | 428                |
| Fuel filter                   | 149                |
| Gas spring                    | 564                |
| Hydraulic filter              | 157                |
| Oil filter                    | 144, 146           |
| Poly-V belt tensioner         | 9                  |
| Pressure control valve        | 434                |
| Repair kit for trailing link  | 312                |
| Screw for tracking adjustment | 273                |
| Steering Track Rod            | 269                |
| Transverse link               | 318                |
| Urea filter                   | 151                |
| Wiper blade                   | 582                |

#### **VDL Bova Synergy**

|                    |          |
|--------------------|----------|
| Air filter         | 153      |
| Alternator         | 241      |
| Brake pad set      | 498      |
| Oil filter         | 144, 146 |
| Steering Track Rod | 269      |
| Urea filter        | 151      |

#### **VDL Citea**

|                                                  |          |
|--------------------------------------------------|----------|
| Alternator                                       | 241      |
| Brake disc                                       | 491      |
| Complete mirror system                           | 530      |
| Cover for mirror arm                             | 530      |
| EBS axle modulator                               | 431      |
| Mounting bracket, outside mirror for main mirror | 530      |
| Solenoid valve                                   | 435, 567 |
| Speed sensor                                     | 346      |
| Wiper blade                                      | 581, 582 |
| Wiper motor                                      | 574      |

#### **VOLVO B5LH**

|                             |          |
|-----------------------------|----------|
| Air dryer                   | 409, 412 |
| Air-conditioning compressor | 522      |

|                               |          |
|-------------------------------|----------|
| Auxiliary flasher light       | 194      |
| Ball joint                    | 281      |
| Brake caliper                 | 483      |
| Brake disc                    | 494      |
| Brake pad set                 | 496, 498 |
| Cabin filter/pollen filter    | 161      |
| Central release mechanism     | 82       |
| Charge air cooler             | 118      |
| Clamping piece                | 107      |
| Clutch plate                  | 81       |
| Combination brake cylinder    | 456      |
| Condenser                     | 525      |
| Coupling pressure plate       | 80       |
| Coupling rod                  | 326      |
| Cover cap                     | 533      |
| Dehumidification valve        | 466, 467 |
| Drag-link                     | 266      |
| Dryer                         | 522      |
| EBS foot brake module         | 429      |
| EBS single channel module     | 432      |
| EBS two channel module        | 432      |
| Fan wheel                     | 132      |
| Flexible pipe                 | 98       |
| Four-circuit protection valve | 419      |
| Fuel filter                   | 149      |
| Gas spring                    | 562, 564 |
| Glass unit for main mirror    | 531      |
| H3 fog light                  | 181      |
| Hand brake valve              | 430      |
| Headlamp insert               | 174, 177 |
| Heat exchanger                | 519      |
| Heater Motor                  | 515      |
| Indicator light               | 184      |
| Indicator switch              | 252, 253 |
| LED position light            | 188      |
| LED side marker light         | 198      |
| Level control                 | 375      |
| Main mirror                   | 536, 539 |
| Membrane brake cylinder       | 450      |
| Oil filter                    | 146      |
| Overflow valve                | 426      |
| Particulate filter            | 94       |
| Pressure control valve        | 434      |
| Relay valve                   | 440      |
| Repair kit for air dryer      | 414      |
| Repair kit for brake calipers | 488      |
| Repair kit Kingpin            | 340      |
| Shaft sealing ring            | 358      |
| Shock absorber                | 393      |
| Speed sensor                  | 345, 346 |
| Steering Track Rod            | 269      |
| Surge tank                    | 128      |
| Tapered roller bearing        | 351      |
| Trailing arm                  | 297, 303 |
| Urea filter                   | 151      |
| Valve block                   | 373      |
| Wheel bearing set             | 352      |
| Wheel bolt                    | 361      |
| Wheel nut                     | 363      |
| Wiper arm                     | 580      |
| Wiper blade                   | 581, 582 |
| Wiper motor                   | 575      |
| Wiper rods                    | 577      |

#### **VOLVO B7L**

|                                       |               |
|---------------------------------------|---------------|
| 3/2-way valve                         | 443           |
| Air dryer                             | 407, 409, 412 |
| Air filter                            | 152           |
| Air spring bellows                    | 387           |
| Alternator                            | 245, 246      |
| Attachment bolt for brake shoe roller | 503           |

|                               |                    |                                       |                    |
|-------------------------------|--------------------|---------------------------------------|--------------------|
| Auxiliary flasher light       | 194                | Air spring                            | 377                |
| Ball joint                    | 279                | Air spring bellows                    | 384, 387, 388      |
| Brake disc                    | 493                | Air-conditioning compressor           | 522                |
| Brake light                   | 206                | Alternator                            | 248                |
| Brake pad set                 | 496                | Attachment bolt for brake shoe roller | 503                |
| Brake shoe sleeve             | 503                | Auxiliary flasher light               | 194                |
| Cabin filter/pollen filter    | 161                | Axial fan                             | 512                |
| Central/rear silencer         | 92                 | Ball joint                            | 278, 279, 285      |
| Charge air cooler             | 118                | Bearing bush for trailing link        | 314                |
| Charge air hose               | 120                | Brake caliper                         | 483, 484           |
| Clamping piece                | 107                | Brake disc                            | 494                |
| Combination brake cylinder    | 463                | Brake drum                            | 501                |
| Compressor                    | 400                | Brake pad set                         | 496                |
| Coolant thermostat            | 139, 140           | Brake shoe sleeve                     | 503                |
| Coupling rod                  | 326, 328           | Cabin filter                          | 159                |
| Dehumidification valve        | 466, 467           | Cabin filter/pollen filter            | 161                |
| Drag-link                     | 266                | Central/rear silencer                 | 92                 |
| Exhaust pipe                  | 101                | Charge air cooler                     | 118                |
| Exhaust pipe clamp            | 105                | Charge air hose                       | 120                |
| Flexible pipe                 | 98, 99             | Clamping piece                        | 107                |
| Foot brake valve              | 428                | Clutch kit                            | 78                 |
| Four-circuit protection valve | 419                | Combination brake cylinder            | 457, 463           |
| Front pipe                    | 97                 | Compressor                            | 400                |
| Fuel filter                   | 148                | Coolant filter                        | 162                |
| Glass unit for main mirror    | 531                | Coolant thermostat                    | 139, 140           |
| H3 fog light                  | 181                | Coupling rod                          | 326, 329           |
| Hand brake valve              | 430                | Cover cap                             | 533                |
| Hand feed pump                | 67                 | Deflection pulley/guide pulley        | 10                 |
| Headlamp insert               | 172, 174, 176, 177 | Dehumidification valve                | 466                |
| Indicator light               | 186                | Drag-link                             | 266, 267           |
| Indicator light               | 192, 216           | EBS foot brake module                 | 429                |
| Indicator switch              | 252                | EBS single channel module             | 432                |
| Kingpin kit                   | 336                | EBS two channel module                | 432                |
| LED side marker light         | 198                | Exhaust pipe                          | 101, 102           |
| Level control                 | 374, 375           | Exhaust pipe clamp                    | 105                |
| Main mirror                   | 536, 539           | Fan wheel                             | 132                |
| Membrane brake cylinder       | 450                | Flexible pipe                         | 98, 99             |
| Oil filter                    | 144, 146           | Foot brake valve                      | 428                |
| Particulate filter            | 94                 | Four-circuit protection valve         | 419                |
| Pipe clip                     | 108                | Fuel filter                           | 147, 148, 149      |
| Poly-V belt tensioner         | 9                  | Glass unit for main mirror            | 531                |
| Position light                | 189                | Hand brake valve                      | 430                |
| Position/tail light           | 219                | Headlamp insert                       | 174, 176, 177, 182 |
| Pressure switch               | 448                | Heat exchanger                        | 519                |
| Quick-release valve           | 445                | Heater Motor                          | 515                |
| Radiator fan                  | 130                | Hose clip                             | 122                |
| Relay valve                   | 440                | Housing for exterior mirror           | 544                |
| Reset spring                  | 504                | Hydraulic filter                      | 155, 156           |
| Rubber buffer for suspension  | 391                | Indicator light                       | 184, 192, 215, 218 |
| Shaft sealing ring            | 355                | Indicator switch                      | 252, 253           |
| Shock absorber                | 392, 394           | LED additional stop light             | 208                |
| Side marker light             | 199                | LED side marker light                 | 198                |
| Slack adjuster                | 507                | Main mirror                           | 536, 539, 542, 544 |
| Speed sensor set              | 348                | Membrane brake cylinder               | 450                |
| Stabiliser bearing section    | 334                | Mirror glass                          | 544                |
| Starter Motor                 | 236                | Numberplate lamp                      | 221                |
| Steering Track Rod            | 269, 271           | Oil filter                            | 144, 146           |
| Surge tank                    | 128                | Overflow valve                        | 427                |
| Tension roller                | 7                  | Particulate filter                    | 94                 |
| Thermostat set                | 65                 | Poly-V belt tensioner                 | 9                  |
| Water pump                    | 136                | Position light                        | 189                |
| Water trap                    | 469                | Power-steering pump                   | 292                |
| Wheel bolt                    | 361                | Pressure control valve                | 434                |
| Wheel nut                     | 363                | Pressure switch                       | 448                |
|                               |                    | Quick-release valve                   | 445                |
|                               |                    | Ramp mirror                           | 545                |
|                               |                    | Rear fog lamp                         | 213                |
|                               |                    | Rear light                            | 203                |
|                               |                    | Repair kit for brake calipers         | 488                |
|                               |                    | Repair kit Kingpin                    | 340                |
|                               |                    | Reversing light                       | 210                |

**VOLVO B7R**

|               |          |
|---------------|----------|
| 2-way valve   | 442      |
| 3/2-way valve | 443      |
| ABS ring      | 341      |
| Air dryer     | 409, 412 |
| Air filter    | 152, 154 |

|                                        |               |
|----------------------------------------|---------------|
| Rubber buffer for suspension. ....     | 391           |
| Sealing ring for charge air hose. .... | 122           |
| Shaft sealing ring. ....               | 355, 358      |
| Shock absorber. ....                   | 393, 395      |
| Silent bearing. ....                   | 314           |
| Sleeve for stabiliser bearing. ....    | 335           |
| Solenoid valve. ....                   | 437           |
| Speed sensor. ....                     | 346           |
| Stabilizer mounting. ....              | 332, 334      |
| Starter Motor. ....                    | 236           |
| Steering Track Rod. ....               | 269, 270      |
| Surge tank. ....                       | 128           |
| Tailpipe. ....                         | 104, 105      |
| Thermostat set. ....                   | 65            |
| Trailing arm. ....                     | 295, 297, 299 |
| Washer fluid pump. ....                | 573, 574      |
| Water pump. ....                       | 136           |
| Wheel bearing set. ....                | 352           |
| Wheel bolt. ....                       | 361           |
| Wheel hub sealing ring. ....           | 354           |
| Wheel nut. ....                        | 363           |
| Wiper arm. ....                        | 579           |
| Wiper motor. ....                      | 574           |
| Wiper rods. ....                       | 577           |

### **VOLVO B9L**

|                                        |               |
|----------------------------------------|---------------|
| 3/2-way valve. ....                    | 443           |
| Air dryer. ....                        | 409, 412      |
| Air filter. ....                       | 154           |
| Air spring bellows. ....               | 385, 387, 388 |
| Air-conditioning compressor. ....      | 522           |
| Alternator. ....                       | 248           |
| Auxiliary flasher light. ....          | 194           |
| Axial fan. ....                        | 512           |
| Ball joint. ....                       | 281           |
| Brake caliper. ....                    | 483           |
| Brake disc. ....                       | 494           |
| Brake pad set. ....                    | 496, 498      |
| Cabin filter/pollen filter. ....       | 161           |
| Cap for spotlight. ....                | 178           |
| Central/rear silencer. ....            | 92            |
| Charge air hose. ....                  | 120           |
| Clamping piece. ....                   | 107           |
| Combination brake cylinder. ....       | 456           |
| Compressor. ....                       | 398           |
| Condenser. ....                        | 525           |
| Coolant thermostat. ....               | 139           |
| Coupling rod. ....                     | 326           |
| Cover cap. ....                        | 533           |
| Deflection pulley/guide pulley. ....   | 10            |
| Dehumidification valve. ....           | 466, 467      |
| Drag-link. ....                        | 266           |
| Dryer. ....                            | 522           |
| EBS foot brake module. ....            | 429           |
| EBS single channel module. ....        | 432           |
| EBS two channel module. ....           | 432           |
| Engine radiator. ....                  | 124           |
| Evaporator. ....                       | 525           |
| Four-circuit protection valve. ....    | 419           |
| Fuel filter. ....                      | 148, 149, 150 |
| Fuel pump. ....                        | 68            |
| Gas spring. ....                       | 564           |
| Glass unit for main mirror. ....       | 531           |
| H3 fog light. ....                     | 181           |
| Halogen direction indicator lamp. .... | 217           |
| Hand brake valve. ....                 | 430           |
| Headlamp insert. ....                  | 172, 174, 177 |
| Heat exchanger. ....                   | 519           |
| Heater Motor. ....                     | 515           |
| Hose clip. ....                        | 122           |
| Hydraulic filter. ....                 | 155, 156      |

|                                         |               |
|-----------------------------------------|---------------|
| Indicator light. ....                   | 184           |
| Indicator switch. ....                  | 252           |
| LED position light. ....                | 188           |
| LED side marker light. ....             | 198           |
| Level control. ....                     | 374, 375      |
| Main mirror. ....                       | 539           |
| Membrane brake cylinder. ....           | 450           |
| Mirror glass. ....                      | 544           |
| Oil filter. ....                        | 144, 146      |
| Particulate filter. ....                | 94            |
| Pipe clip. ....                         | 108           |
| Poly-V belt tensioner. ....             | 9             |
| Position light. ....                    | 189           |
| Power-steering pump. ....               | 289           |
| Pressure control valve. ....            | 434           |
| Relay valve. ....                       | 440           |
| Repair kit for air dryer. ....          | 414           |
| Repair kit for brake calipers. ....     | 488           |
| Repair kit Kingpin. ....                | 340           |
| Sealing ring for coolant pipeline. .... | 141           |
| Shaft sealing ring. ....                | 358           |
| Shock absorber. ....                    | 393           |
| Speed sensor. ....                      | 345, 346      |
| Stabiliser bearing section. ....        | 334           |
| Stabilizer mounting. ....               | 334           |
| Starter Motor. ....                     | 238           |
| Steering Track Rod. ....                | 269           |
| Surge tank. ....                        | 128           |
| Tapered roller bearing. ....            | 351           |
| Tightening strap. ....                  | 109           |
| Trailing arm. ....                      | 297, 300, 303 |
| Urea filter. ....                       | 151           |
| Valve block. ....                       | 373           |
| Water pump. ....                        | 136           |
| Wheel bearing set. ....                 | 352           |
| Wheel bolt. ....                        | 361           |
| Wheel nut. ....                         | 363           |
| Wiper arm. ....                         | 580           |
| Wiper blade. ....                       | 581, 582      |
| Wiper motor. ....                       | 575           |
| Wiper rods. ....                        | 577           |

### **VOLVO B9R**

|                                      |          |
|--------------------------------------|----------|
| ABS ring. ....                       | 341      |
| Air dryer. ....                      | 409, 412 |
| Air filter. ....                     | 152, 154 |
| Air spring bellows. ....             | 384, 387 |
| Alternator. ....                     | 248      |
| Auxiliary flasher light. ....        | 194      |
| Axial fan. ....                      | 512      |
| Ball joint. ....                     | 279, 285 |
| Brake caliper. ....                  | 483      |
| Brake pad set. ....                  | 496      |
| Central release mechanism. ....      | 82       |
| Central/rear silencer. ....          | 92       |
| Charge air hose. ....                | 120      |
| Clamping piece. ....                 | 107, 108 |
| Clutch kit. ....                     | 78       |
| Clutch plate. ....                   | 81       |
| Clutch servo. ....                   | 87       |
| Combination brake cylinder. ....     | 457      |
| Complete mirror system. ....         | 531, 533 |
| Compressor. ....                     | 398      |
| Coolant sensor. ....                 | 126      |
| Coolant thermostat. ....             | 139      |
| Coupling pressure plate. ....        | 80       |
| Coupling rod. ....                   | 326, 329 |
| Cover cap. ....                      | 533      |
| Cover lid. ....                      | 129      |
| Deflection pulley/guide pulley. .... | 10       |
| Dehumidification valve. ....         | 466, 467 |



|                                                     |               |
|-----------------------------------------------------|---------------|
| Drag-link. . . . .                                  | 266           |
| Dryer . . . . .                                     | 522           |
| EBS foot brake module . . . . .                     | 429           |
| EBS single channel module. . . . .                  | 432           |
| EBS two channel module. . . . .                     | 432           |
| Engine radiator. . . . .                            | 124           |
| Exhaust pipe clamp . . . . .                        | 106           |
| Filling level sensor . . . . .                      | 72            |
| Flexible pipe. . . . .                              | 98            |
| Foot brake valve. . . . .                           | 428           |
| Four-circuit protection valve . . . . .             | 419           |
| Fuel filter . . . . .                               | 148, 149, 150 |
| Fuel pump . . . . .                                 | 68            |
| Gas spring . . . . .                                | 564           |
| Glass unit for approach mirror . . . . .            | 531           |
| Glass unit for main mirror . . . . .                | 531           |
| Glass unit suitable for wide angle mirror . . . . . | 531           |
| Guide bearing . . . . .                             | 76            |
| H3 fog light . . . . .                              | 181           |
| Hand brake valve. . . . .                           | 430           |
| Headlamp insert. . . . .                            | 177           |
| Heater Motor . . . . .                              | 515           |
| Hose clip . . . . .                                 | 122           |
| Hydraulic filter . . . . .                          | 155, 156      |
| Indicator light . . . . .                           | 184, 217      |
| Indicator switch . . . . .                          | 252           |
| LED additional stop light . . . . .                 | 208           |
| LED position light. . . . .                         | 219           |
| LED rear light. . . . .                             | 202           |
| LED side marker light. . . . .                      | 198           |
| Level control. . . . .                              | 374, 375      |
| Main mirror. . . . .                                | 539           |
| Membrane brake cylinder . . . . .                   | 450, 451      |
| Numberplate lamp . . . . .                          | 221           |
| Oil filter. . . . .                                 | 144, 146      |
| Overflow valve . . . . .                            | 426, 427      |
| Pipe clip. . . . .                                  | 108           |
| Poly-V belt tensioner . . . . .                     | 9             |
| Position light . . . . .                            | 189           |
| Power-steering pump . . . . .                       | 289           |
| Pressure control valve . . . . .                    | 433, 434      |
| Quick-release valve . . . . .                       | 445           |
| Rear light . . . . .                                | 203           |
| Reflector. . . . .                                  | 175           |
| Relay valve. . . . .                                | 440           |
| Repair kit for air dryer . . . . .                  | 414           |
| Repair kit for brake calipers. . . . .              | 488           |
| Repair kit Kingpin. . . . .                         | 340           |
| Reversing light. . . . .                            | 211           |
| Shaft sealing ring. . . . .                         | 355, 358      |
| Shock absorber . . . . .                            | 393           |
| Snatch lock . . . . .                               | 562           |
| Speed sensor. . . . .                               | 346           |
| Speed sensor set. . . . .                           | 348           |
| Stabilizer mounting. . . . .                        | 331, 332, 334 |
| Starter Motor . . . . .                             | 238           |
| Steering Track Rod . . . . .                        | 270, 272      |
| Surge tank . . . . .                                | 128           |
| Tension roller . . . . .                            | 7             |
| Trailing arm . . . . .                              | 295, 299, 306 |
| Urea filter . . . . .                               | 151           |
| Valve block. . . . .                                | 373           |
| Water pump . . . . .                                | 136           |
| Water trap . . . . .                                | 469           |
| Wheel bearing set . . . . .                         | 352           |
| Wheel bolt . . . . .                                | 361           |
| Wheel hub sealing ring . . . . .                    | 354           |
| Wheel nut. . . . .                                  | 363           |
| Wiper blade . . . . .                               | 581, 582      |

**VOLVO B9TL**

|                                                |                    |
|------------------------------------------------|--------------------|
| 2-way valve . . . . .                          | 442                |
| 3/2-way valve. . . . .                         | 443                |
| Air dryer. . . . .                             | 409, 412           |
| Air filter. . . . .                            | 153                |
| Air spring . . . . .                           | 381                |
| Air spring bellows . . . . .                   | 387, 388           |
| Alternator . . . . .                           | 246, 248           |
| Attachment bolt for brake shoe roller. . . . . | 503                |
| Ball joint. . . . .                            | 279                |
| Brake caliper . . . . .                        | 483                |
| Brake disc . . . . .                           | 494                |
| Brake pad set. . . . .                         | 496, 498           |
| Brake shoe sleeve . . . . .                    | 503                |
| Central/rear silencer . . . . .                | 92                 |
| Charge air cooler. . . . .                     | 118                |
| Charge air hose. . . . .                       | 120                |
| Clamping piece . . . . .                       | 107, 108           |
| Combination brake cylinder. . . . .            | 456                |
| Coolant thermostat. . . . .                    | 139                |
| Coupling rod . . . . .                         | 326                |
| Deflection pulley/guide pulley . . . . .       | 10                 |
| Dehumidification valve . . . . .               | 466                |
| Drag-link. . . . .                             | 266                |
| EBS foot brake module . . . . .                | 429                |
| EBS single channel module. . . . .             | 432                |
| EBS two channel module. . . . .                | 432                |
| Exhaust pipe clamp . . . . .                   | 106                |
| Exhaust turbocharger. . . . .                  | 63                 |
| Fan wheel. . . . .                             | 132                |
| Flexible pipe. . . . .                         | 98                 |
| Four-circuit protection valve . . . . .        | 419                |
| Front pipe. . . . .                            | 95, 97             |
| Fuel filter . . . . .                          | 149, 150           |
| Fuel pump . . . . .                            | 68                 |
| Hand brake valve . . . . .                     | 430                |
| Hydraulic filter . . . . .                     | 155, 156           |
| Indicator switch . . . . .                     | 252, 253           |
| Level control. . . . .                         | 374                |
| Membrane brake cylinder . . . . .              | 450                |
| Oil filter. . . . .                            | 144, 146           |
| Overflow valve . . . . .                       | 427                |
| Particulate filter . . . . .                   | 94                 |
| Pipe clip. . . . .                             | 108                |
| Poly-V belt tensioner . . . . .                | 9                  |
| Power-steering pump . . . . .                  | 289                |
| Pressure control valve . . . . .               | 433                |
| Relay valve. . . . .                           | 440                |
| Repair kit for air dryer . . . . .             | 414                |
| Repair kit for air dryer . . . . .             | 414                |
| Repair kit for brake calipers. . . . .         | 488                |
| Repair kit for water separator. . . . .        | 469                |
| Repair kit Kingpin. . . . .                    | 340                |
| Rubber buffer for suspension. . . . .          | 391                |
| Secondary air filter. . . . .                  | 154                |
| Shock absorber . . . . .                       | 393                |
| Slack adjuster . . . . .                       | 507                |
| Solenoid valve . . . . .                       | 437                |
| Speed sensor. . . . .                          | 345, 346           |
| Stabiliser bearing section. . . . .            | 334                |
| Stabilizer mounting. . . . .                   | 329, 331, 334      |
| Starter Motor . . . . .                        | 238                |
| Steering Track Rod . . . . .                   | 269                |
| Surge tank . . . . .                           | 128                |
| Tailpipe. . . . .                              | 104                |
| Tapered roller bearing . . . . .               | 351                |
| Trailing arm . . . . .                         | 297, 300, 303, 306 |
| Urea filter . . . . .                          | 151                |
| Valve block. . . . .                           | 373                |
| Water pump . . . . .                           | 136                |
| Water trap . . . . .                           | 469                |

|                   |      |
|-------------------|------|
| Wheel bearing set | .352 |
| Wheel bolt        | .361 |
| Wheel nut         | .363 |

## **VOLVO B10B**

|                                                |                |
|------------------------------------------------|----------------|
| 'A' frame                                      | .315           |
| Air dryer                                      | .409, 412      |
| Air filter                                     | .152           |
| Air spring bellows                             | 384, 385, 387  |
| Alternator                                     | .246           |
| Attachment bolt for brake shoe roller          | .503           |
| Ball joint                                     | .277, 278, 279 |
| Bearing bush for trailing link                 | .314           |
| Brake camshaft                                 | .507           |
| Brake drum                                     | .501           |
| Brake lining set                               | .505           |
| Brake shoe set                                 | .502           |
| Brake shoe sleeve                              | .503           |
| Central/rear silencer                          | .92            |
| Clutch kit                                     | .78            |
| Clutch master cylinder                         | .85            |
| Clutch plate                                   | .81            |
| Clutch releaser                                | .83            |
| Combination brake cylinder                     | .463           |
| Compressor                                     | .400           |
| Coolant filter                                 | .162           |
| Coolant thermostat                             | .139           |
| Coupling pressure plate                        | .80            |
| Dehumidification valve                         | 466, 467       |
| Drag-link                                      | .266           |
| Exhaust pipe clamp                             | .106           |
| Fan wheel                                      | .132           |
| Flexible pipe                                  | .98            |
| Four-circuit protection valve                  | .419           |
| Guide bearing                                  | .76, 77        |
| Hand brake valve                               | .430           |
| Hand feed pump                                 | .67            |
| Heat protection panel                          | .109           |
| Hydraulic filter                               | .155, 156      |
| Indicator switch                               | .252           |
| Kingpin kit                                    | .336           |
| Level control                                  | .374           |
| Motor coach brake valve                        | .427           |
| Oil cooler                                     | .64            |
| Oil filter                                     | .144           |
| Particulate filter                             | .94            |
| Power-steering pump                            | .291, 293      |
| Pressure switch                                | .448           |
| Quick-release valve                            | .445           |
| Relay valve                                    | .440           |
| Release fork                                   | .84            |
| Repair kit for trailing link for trailing link | .313           |
| Reset spring                                   | .504           |
| Rubber buffer for suspension                   | .391           |
| Shaft sealing ring                             | 354, 356, 358  |
| Shock absorber                                 | 393, 395       |
| Silent bearing                                 | .314           |
| Slack adjuster                                 | .507           |
| Sleeve for nozzle holder                       | .71            |
| Solenoid valve                                 | .437           |
| Speed sensor                                   | .344           |
| Stabilizer mounting                            | .332           |
| Steering damper                                | .286           |
| Steering Track Rod                             | .272           |
| Tailpipe                                       | .104           |
| Tapered roller bearing                         | .351           |
| Trailing arm                                   | .304           |
| Wheel bolt                                     | .361           |
| Wheel nut                                      | .363           |
| Wiper blade                                    | .581, 582      |

## **VOLVO B10L**

|                                       |               |
|---------------------------------------|---------------|
| Air spring bellows                    | .387          |
| Alternator                            | .246, 248     |
| Attachment bolt for brake shoe roller | .503          |
| Brake shoe set                        | .502          |
| Brake shoe sleeve                     | .503          |
| Cabin filter                          | .159          |
| Cabin filter/pollen filter            | .161          |
| Central/rear silencer                 | .92           |
| Dehumidification valve                | .466          |
| Glass unit for main mirror            | .531          |
| Hand brake valve                      | .430          |
| Headlamp insert                       | 176, 182      |
| Heater Motor                          | .515          |
| Indicator light                       | 184, 192, 218 |
| LED side marker light                 | .198          |
| Main mirror                           | 539, 542      |
| Poly-V belt tensioner                 | .9            |
| Pressure switch                       | .448          |
| Rear fog lamp                         | .213          |
| Rear light                            | .203          |
| Reversing light                       | .210          |
| Rubber buffer for suspension          | .391          |
| Shock absorber                        | 392, 394      |
| Silent bearing                        | .314          |
| Wheel bolt                            | .361          |
| Wiper arm                             | .579          |
| Wiper blade                           | .581, 582     |
| Wiper motor                           | .575          |

## **VOLVO B10M**

|                                       |                    |
|---------------------------------------|--------------------|
| 'A' frame                             | .315               |
| Air dryer                             | .409, 412          |
| Air filter                            | .153               |
| Air spring bellows                    | 384, 385, 386, 387 |
| ALB controller                        | .438               |
| Alternator                            | .245, 246          |
| Attachment bolt for brake shoe roller | .503               |
| Ball joint                            | .278, 279          |
| Bearing bush for trailing link        | .314               |
| Brake camshaft                        | .507               |
| Brake drum                            | .501               |
| Brake lining set                      | .505               |
| Brake shoe sleeve                     | .503               |
| Cabin filter                          | .159               |
| Cabin filter/pollen filter            | .161               |
| Central/rear silencer                 | .92                |
| Clamping piece                        | .107               |
| Clutch kit                            | .78                |
| Clutch master cylinder                | .85                |
| Combination brake cylinder            | .463               |
| Compressor                            | .400               |
| Coolant thermostat                    | .139               |
| Dehumidification valve                | 466, 467           |
| Drag-link                             | .266               |
| Exhaust pipe clamp                    | .106               |
| Four-circuit protection valve         | .419               |
| Front pipe                            | .97                |
| Hand brake valve                      | .430               |
| Hand feed pump                        | .67                |
| Indicator switch                      | .252               |
| Kingpin kit                           | .336               |
| Level control                         | .374               |
| Oil filter                            | .144               |
| Power-steering pump                   | .291               |
| Pressure switch                       | .448               |
| Reset spring                          | .504               |
| Rubber buffer for suspension          | .391               |
| Secondary air filter                  | .154               |
| Shaft sealing ring                    | 354, 356, 358      |

|                          |          |
|--------------------------|----------|
| Shock absorber           | 393, 395 |
| Silencer                 | 94       |
| Silent bearing           | 314      |
| Slack adjuster           | 507      |
| Sleeve for nozzle holder | 71       |
| Solenoid valve           | 437      |
| Stabilizer mounting      | 332, 333 |
| Steering damper          | 286      |
| Steering Track Rod       | 272      |
| Tapered roller bearing   | 351      |
| Tightening strap         | 109      |
| Trailing arm             | 304      |
| Wheel bolt               | 361      |
| Wheel nut                | 363      |
| Wiper blade              | 581, 582 |

## **VOLVO B12**

|                                       |                    |
|---------------------------------------|--------------------|
| Air dryer                             | 409, 412           |
| Air filter                            | 153                |
| Air spring bellows                    | 384, 385, 387      |
| Alternator                            | 244, 246, 248, 250 |
| Attachment bolt for brake shoe roller | 503                |
| Ball joint                            | 278, 285           |
| Bearing bush for trailing link        | 314                |
| Brake caliper                         | 483                |
| Brake drum                            | 501                |
| Brake lining set                      | 505                |
| Brake pad set                         | 496                |
| Brake shoe                            | 502                |
| Brake shoe set                        | 502                |
| Brake shoe sleeve                     | 503                |
| Central/rear silencer                 | 92                 |
| Charge air hose                       | 120                |
| Clutch kit                            | 78                 |
| Clutch master cylinder                | 85                 |
| Clutch releaser                       | 83                 |
| Clutch servo                          | 88                 |
| Combination brake cylinder            | 463                |
| Compressor                            | 400                |
| Coolant filter                        | 162                |
| Coolant thermostat                    | 139                |
| Coupling pressure plate               | 80                 |
| Dehumidification valve                | 466                |
| Differential pressure switching valve | 447                |
| Drag-link                             | 266                |
| Dual mass flywheel                    | 74                 |
| EBS single channel module             | 432                |
| EBS two channel module                | 432                |
| Flexible pipe                         | 99                 |
| Flywheel                              | 74                 |
| Four-circuit protection valve         | 419                |
| Fuel filter                           | 147, 148, 150      |
| Guide bearing                         | 76                 |
| Hand brake valve                      | 429, 430           |
| Hand feed pump                        | 67                 |
| Hydraulic filter                      | 155                |
| Indicator switch                      | 252, 253           |
| Motor coach brake valve               | 427                |
| Oil filter                            | 144, 146           |
| Pipe clip                             | 108                |
| Poly-V belt tensioner                 | 9                  |
| Power-steering pump                   | 287                |
| Pressure switch                       | 448                |
| Quick-release valve                   | 445                |
| Relay valve                           | 440                |
| Release fork                          | 84                 |
| Rolling piston                        | 389                |
| Rubber buffer for suspension          | 391                |
| Secondary air filter                  | 154                |
| Shaft sealing ring                    | 358                |
| Shock absorber                        | 392, 393, 395      |

|                          |          |
|--------------------------|----------|
| Silent bearing           | 314      |
| Sleeve for nozzle holder | 71       |
| Solenoid valve           | 567      |
| Stabilizer mounting      | 332, 334 |
| Starter Motor            | 233      |
| Steering Track Rod       | 269, 271 |
| Surge tank               | 128      |
| Tapered roller bearing   | 351      |
| Thermostat set           | 140      |
| Tightening strap         | 108, 109 |
| Trailing arm             | 304      |
| Urea filter              | 151      |
| Water pump               | 135      |
| Water trap               | 469      |
| Wheel bolt               | 361      |
| Wheel nut                | 363      |
| Wiper arm                | 579      |
| Wiper blade              | 581, 582 |

## **VOLVO B12B**

|                                |                              |
|--------------------------------|------------------------------|
| 3/2-way valve                  | 443                          |
| ABS ring                       | 341                          |
| Air dryer                      | 409, 412                     |
| Air filter                     | 153, 154                     |
| Air spring                     | 377, 380, 383                |
| Air spring bellows             | 387, 388, 389                |
| Alternator                     | 244, 245, 246, 247, 248, 250 |
| Auxiliary flasher light        | 194                          |
| Axial fan                      | 512                          |
| Axle nut                       | 359                          |
| Ball joint                     | 278, 279, 281, 285           |
| Blowoff valve                  | 423                          |
| Brake anchor plate             | 487                          |
| Brake caliper                  | 480, 483, 484                |
| Brake disc                     | 493, 494                     |
| Brake light                    | 207                          |
| Brake pad set                  | 496, 498                     |
| Cabin filter                   | 159                          |
| Cabin filter/pollen filter     | 161                          |
| Central release mechanism      | 82                           |
| Central/rear silencer          | 92                           |
| Charge air cooler              | 118                          |
| Charge air hose                | 120                          |
| Clamping piece                 | 107, 108                     |
| Clamping sleeve for ABS sensor | 343                          |
| Clutch master cylinder         | 85                           |
| Clutch plate                   | 81                           |
| Clutch releaser                | 83                           |
| Clutch servo                   | 87                           |
| Combination brake cylinder     | 456, 457                     |
| Complete mirror system         | 531, 533                     |
| Compressor                     | 398, 400                     |
| Condenser                      | 525                          |
| Coolant filter                 | 162                          |
| Coolant thermostat             | 139                          |
| Coupling pressure plate        | 80                           |
| Coupling rod                   | 326, 328                     |
| Cover cap                      | 533                          |
| Dehumidification valve         | 466, 467                     |
| Drag-link                      | 265, 266, 267                |
| Dryer                          | 522                          |
| EBS foot brake module          | 429                          |
| EBS single channel module      | 432                          |
| EBS two channel module         | 432                          |
| Electrical ballast             | 516                          |
| Engine radiator                | 124                          |
| Evaporator                     | 525                          |
| Exhaust pipe                   | 101                          |
| Exhaust pipe clamp             | 106                          |
| Exhaust turbocharger           | 63                           |
| Fan wheel                      | 132                          |

|                                                                           |                              |                                            |               |
|---------------------------------------------------------------------------|------------------------------|--------------------------------------------|---------------|
| Flexible pipe . . . . .                                                   | 98                           | Water pump . . . . .                       | 135           |
| Flywheel . . . . .                                                        | 74                           | Water trap . . . . .                       | 469           |
| Four-circuit protection valve . . . . .                                   | 419                          | Wheel bearing set . . . . .                | 352           |
| Front pipe . . . . .                                                      | 95                           | Wheel bolt . . . . .                       | 361           |
| Fuel filter . . . . .                                                     | 148, 149, 150                | Wheel hub sealing ring . . . . .           | 354           |
| Gas spring . . . . .                                                      | 564                          | Wheel nut . . . . .                        | 363           |
| Glass unit for approach mirror . . . . .                                  | 531                          | Wiper arm . . . . .                        | 579, 580      |
| Glass unit for main mirror . . . . .                                      | 531                          | Wiper arm shaft . . . . .                  | 579           |
| Glass unit suitable for wide angle mirror . . . . .                       | 531                          | Wiper bearing . . . . .                    | 578           |
| Guide bearing . . . . .                                                   | 76                           | Wiper motor . . . . .                      | 574, 575      |
| H3 fog light . . . . .                                                    | 181                          | Wiper rods . . . . .                       | 577           |
| H7 fog light . . . . .                                                    | 180                          |                                            |               |
| Halogen direction indicator lamp . . . . .                                | 217                          | <b>VOLVO B12R</b>                          |               |
| Hand brake valve . . . . .                                                | 430                          | 3/2-way valve . . . . .                    | 443           |
| Headlamp insert . . . . .                                                 | 172, 174, 176, 177, 178, 182 | ABS ring . . . . .                         | 341           |
| Heater Motor . . . . .                                                    | 515                          | Air dryer . . . . .                        | 409, 412      |
| Hose clip . . . . .                                                       | 122                          | Air filter . . . . .                       | 154           |
| Hydraulic filter . . . . .                                                | 156, 157                     | Air spring . . . . .                       | 377, 380, 383 |
| Indicator light . . . . .                                                 | 184, 192, 217, 218           | Air spring bellows . . . . .               | 389           |
| Indicator switch . . . . .                                                | 252, 253                     | Alternator . . . . .                       | 245           |
| Kingpin kit . . . . .                                                     | 336                          | Auxiliary flasher light . . . . .          | 194           |
| LED additional stop light . . . . .                                       | 208                          | Ball joint . . . . .                       | 278, 279      |
| LED numberplate lamp . . . . .                                            | 221                          | Brake caliper . . . . .                    | 480, 483      |
| LED position light . . . . .                                              | 219                          | Brake pad set . . . . .                    | 496           |
| LED rear light . . . . .                                                  | 202                          | Central/rear silencer . . . . .            | 92            |
| LED side marker light . . . . .                                           | 198                          | Charge air cooler . . . . .                | 118           |
| Level control . . . . .                                                   | 374                          | Charge air hose . . . . .                  | 120           |
| Main mirror . . . . .                                                     | 539, 542                     | Clamping piece . . . . .                   | 107           |
| Membrane brake cylinder . . . . .                                         | 450                          | Clutch master cylinder . . . . .           | 85            |
| Numberplate lamp . . . . .                                                | 221                          | Clutch plate . . . . .                     | 81            |
| Oil cooler . . . . .                                                      | 64                           | Clutch releaser . . . . .                  | 83            |
| Oil filter . . . . .                                                      | 144, 146                     | Clutch servo . . . . .                     | 87            |
| Overflow valve . . . . .                                                  | 426, 427                     | Combination brake cylinder . . . . .       | 457           |
| Particulate filter . . . . .                                              | 94                           | Complete mirror system . . . . .           | 531, 533      |
| Pipe clip . . . . .                                                       | 108                          | Coolant thermostat . . . . .               | 139           |
| Poly-V belt tensioner . . . . .                                           | 9                            | Coupling pressure plate . . . . .          | 80            |
| Position light . . . . .                                                  | 189                          | Coupling rod . . . . .                     | 326, 328      |
| Power-steering pump . . . . .                                             | 292                          | Cover cap . . . . .                        | 533           |
| Pressure control valve . . . . .                                          | 434                          | Dehumidification valve . . . . .           | 466, 467      |
| Quick-release valve . . . . .                                             | 445                          | Drag-link . . . . .                        | 265           |
| Rear fog lamp . . . . .                                                   | 212, 213                     | EBS foot brake module . . . . .            | 429           |
| Rear light . . . . .                                                      | 203, 204                     | EBS single channel module . . . . .        | 432           |
| Relay valve . . . . .                                                     | 440                          | EBS two channel module . . . . .           | 432           |
| Release fork . . . . .                                                    | 84                           | Exhaust pipe clamp . . . . .               | 106           |
| Repair kit for air dryer . . . . .                                        | 414                          | Flexible pipe . . . . .                    | 98            |
| Repair kit for brake calipers . . . . .                                   | 488                          | Flywheel . . . . .                         | 74            |
| Repair kit for wishbone link, trailing link and transverse link . . . . . | 311                          | Four-circuit protection valve . . . . .    | 419           |
| Repair kit Kingpin . . . . .                                              | 340                          | Front pipe . . . . .                       | 95            |
| Reversing light . . . . .                                                 | 210, 211                     | Fuel filter . . . . .                      | 148, 149, 150 |
| Rubber buffer . . . . .                                                   | 111                          | Gas spring . . . . .                       | 564           |
| Shaft sealing ring . . . . .                                              | 354, 355, 356, 358           | Glass unit for main mirror . . . . .       | 531           |
| Shock absorber . . . . .                                                  | 393                          | Guide bearing . . . . .                    | 76            |
| Silencer . . . . .                                                        | 94                           | H3 fog light . . . . .                     | 181           |
| Snatch lock . . . . .                                                     | 562                          | Halogen direction indicator lamp . . . . . | 217           |
| Solenoid valve . . . . .                                                  | 437                          | Hand brake valve . . . . .                 | 430           |
| Speed sensor . . . . .                                                    | 344, 346, 347                | Headlamp insert . . . . .                  | 172, 177      |
| Speed sensor set . . . . .                                                | 348                          | Heater Motor . . . . .                     | 515           |
| Stabiliser bearing section . . . . .                                      | 334                          | Hydraulic filter . . . . .                 | 156           |
| Stabilizer mounting . . . . .                                             | 331, 332                     | Indicator light . . . . .                  | 184           |
| Starter Motor . . . . .                                                   | 233, 238                     | Indicator switch . . . . .                 | 253           |
| Steering Track Rod . . . . .                                              | 269, 270, 271                | LED side marker light . . . . .            | 198           |
| Surge tank . . . . .                                                      | 128                          | Membrane brake cylinder . . . . .          | 450           |
| Tail/brake light . . . . .                                                | 204                          | Oil filter . . . . .                       | 144, 146      |
| Tailpipe . . . . .                                                        | 104                          | Overflow valve . . . . .                   | 426, 427      |
| Tapered roller bearing . . . . .                                          | 351                          | Poly-V belt tensioner . . . . .            | 9             |
| Tension roller . . . . .                                                  | 7                            | Quick-release valve . . . . .              | 445           |
| Thermostat set . . . . .                                                  | 65                           | Relay valve . . . . .                      | 440           |
| Trailing arm . . . . .                                                    | 295, 297, 300, 303, 304      | Release fork . . . . .                     | 84            |
| Urea filter . . . . .                                                     | 151                          | Repair kit for brake calipers . . . . .    | 488           |
| Valve block . . . . .                                                     | 373                          | Rubber buffer for suspension . . . . .     | 391           |
| Washer fluid pump . . . . .                                               | 573                          | Shaft sealing ring . . . . .               | 355, 358      |

|                                            |               |                                        |               |
|--------------------------------------------|---------------|----------------------------------------|---------------|
| Shock absorber . . . . .                   | 393           | Pipe clip . . . . .                    | 108           |
| Silencer . . . . .                         | 94            | Poly-V belt tensioner . . . . .        | 9             |
| Solenoid valve . . . . .                   | 437           | Position light . . . . .               | 189           |
| Speed sensor set. . . . .                  | 348           | Pressure control valve . . . . .       | 434           |
| Stabilizer mounting. . . . .               | 331, 332, 334 | Relay valve. . . . .                   | 440           |
| Starter Motor . . . . .                    | 233, 238      | Repair kit for brake calipers. . . . . | 488           |
| Steering Track Rod . . . . .               | 269           | Repair kit Kingpin. . . . .            | 340           |
| Surge tank . . . . .                       | 128           | Rubber buffer for suspension. . . . .  | 391           |
| Tailpipe. . . . .                          | 104           | Shaft sealing ring . . . . .           | 358           |
| Tension roller . . . . .                   | 7             | Shock absorber . . . . .               | 393           |
| Trailing arm . . . . .                     | 300, 303, 304 | Snatch lock . . . . .                  | 562           |
| Valve block. . . . .                       | 373           | Speed sensor. . . . .                  | 346           |
| Water pump . . . . .                       | 135           | Stabilizer mounting. . . . .           | 331, 332, 334 |
| Wheel bearing set . . . . .                | 352           | Starter Motor . . . . .                | 238           |
| Wheel bolt . . . . .                       | 361           | Steering Track Rod . . . . .           | 269, 270      |
| Wheel nut. . . . .                         | 363           | Surge tank . . . . .                   | 128           |
| Wiper arm . . . . .                        | 580           | Tightening strap. . . . .              | 109           |
| Wiper bearing . . . . .                    | 578           | Trailing arm . . . . .                 | 300, 304      |
| Wiper motor. . . . .                       | 575           | Urea filter . . . . .                  | 151           |
| Wiper rods. . . . .                        | 577           | Valve block. . . . .                   | 373           |
| <b>VOLVO B13R</b>                          |               | Washer fluid pump. . . . .             | 573           |
| 3/2-way valve. . . . .                     | 443           | Wheel bearing set . . . . .            | 352           |
| Air dryer. . . . .                         | 407, 410      | Wheel bolt . . . . .                   | 361           |
| Air filter. . . . .                        | 152, 153      | Wheel nut. . . . .                     | 363           |
| Air spring . . . . .                       | 380, 383      | Wiper arm . . . . .                    | 580           |
| Auxiliary flasher light . . . . .          | 194           | Wiper arm shaft . . . . .              | 579           |
| Axial fan. . . . .                         | 512           | Wiper motor. . . . .                   | 575           |
| Ball joint. . . . .                        | 273, 279      | Wiper rods . . . . .                   | 577           |
| Brake caliper . . . . .                    | 483           |                                        |               |
| Brake pad set. . . . .                     | 496           |                                        |               |
| Cabin filter . . . . .                     | 159           |                                        |               |
| Cabin filter/pollen filter. . . . .        | 161           |                                        |               |
| Central release mechanism . . . . .        | 82            |                                        |               |
| Charge air cooler. . . . .                 | 118           |                                        |               |
| Clamping piece . . . . .                   | 107           |                                        |               |
| Clutch plate . . . . .                     | 81            |                                        |               |
| Combination brake cylinder . . . . .       | 457           |                                        |               |
| Complete mirror system. . . . .            | 531, 533      |                                        |               |
| Compressor . . . . .                       | 398           |                                        |               |
| Coolant thermostat . . . . .               | 139           |                                        |               |
| Coupling pressure plate. . . . .           | 80            |                                        |               |
| Coupling rod . . . . .                     | 326, 328      |                                        |               |
| Cover cap . . . . .                        | 533           |                                        |               |
| Deflection pulley/guide pulley . . . . .   | 10            |                                        |               |
| Dehumidification valve . . . . .           | 466           |                                        |               |
| Drag-link. . . . .                         | 265, 267      |                                        |               |
| EBS foot brake module . . . . .            | 429           |                                        |               |
| EBS single channel module. . . . .         | 432           |                                        |               |
| EBS two channel module. . . . .            | 432           |                                        |               |
| Evaporator . . . . .                       | 525           |                                        |               |
| Filter mat . . . . .                       | 161           |                                        |               |
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| Gas spring . . . . .                       | 564           |                                        |               |
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