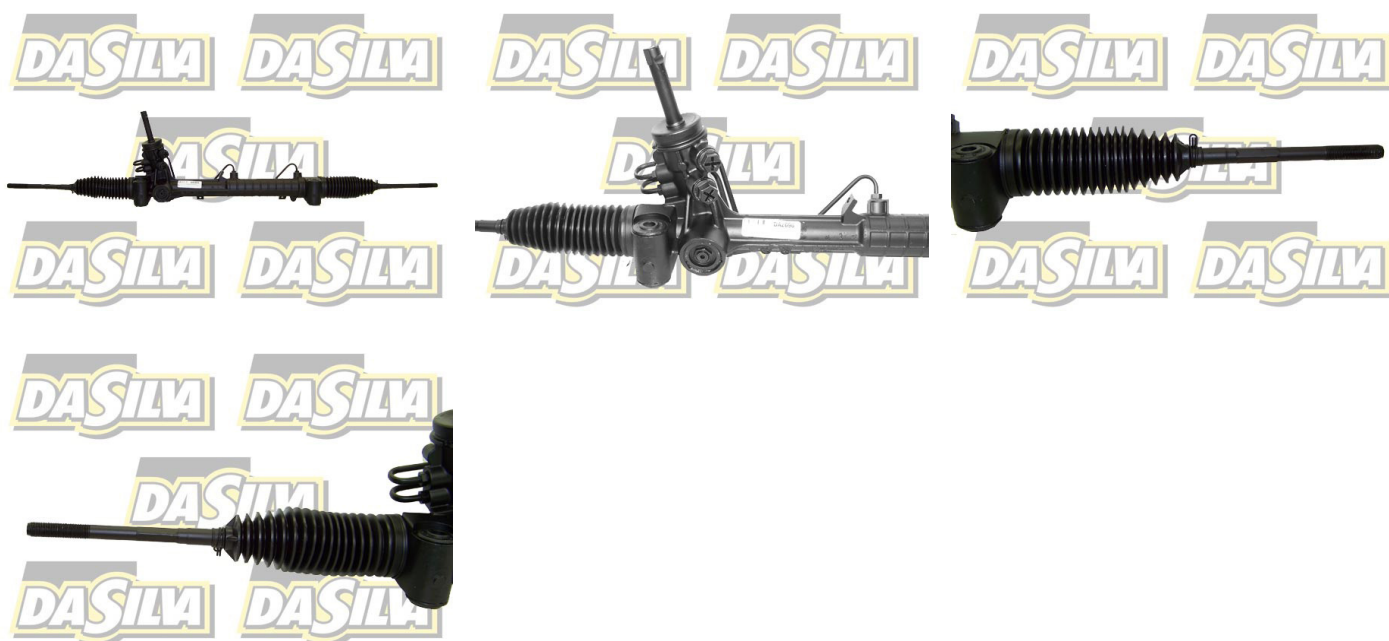


DONNEES TECHNIQUES

| | |
|-------------------------------|--|
| Operating Mode | Hydraulic |
| for steering manufacturer | TRW / DELPHI |
| Length [mm] | 1140 |
| Mounting | 2 (Ø12mm) |
| Material | Aluminium |
| Fixation holes spacing [mm] | 435 |
| Pinion type | Flat pinion |
| Pinion length [mm] | 80 |
| Inlet fitting | F18x150 |
| Outlet fitting | F16x150 |
| Axle Joint Thread Size | M14x150 |
| Type of sensor (not supplied) | Sans |
| | Versions TRW / DELPHI are interchangeable |

PHOTOS



DOCUMENTS

- BT-110 Montage des crémaillères et pompes d'assistance
- BT-132 Refus des carcasses crémaillères et pompes
- BT-174 Rinçage du circuit Hydraulique

APPLICATIONS

| OPEL | | |
|--|--------|-------------------|
| ASTRA G (98-05) 3 volumes (F69_) - 1.2 16V | 65 ch | 09.1998 > 09.2000 |
| | 75 ch | 09.2000 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.4 | 90 ch | 09.2003 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.4 16V | 90 ch | 09.1998 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.6 | 75 ch | 09.1998 > 09.2000 |
| | 84 ch | 09.2000 > 01.2005 |
| | 103 ch | 12.2002 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.6 16V | 101 ch | 09.1998 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.7 CDTI | 80 ch | 04.2003 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.7 DTI 16V | 75 ch | 02.2000 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.7 TD | 68 ch | 09.1998 > 08.2000 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.8 | 110 ch | 02.2003 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 1.8 16V | 116 ch | 09.1998 > 09.2000 |
| | 125 ch | 09.2000 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 2.0 16V | 136 ch | 09.1998 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 2.0 DI | 82 ch | 09.1998 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 2.0 DTI 16V | 101 ch | 08.1999 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 2.2 16V | 147 ch | 03.2001 > 01.2005 |
| ASTRA G (98-05) 3 volumes (F69_) - 2.2 DTI | 125 ch | 09.2002 > 01.2005 |
| ASTRA G (98-05) Cabriolet - 1.6 | 103 ch | 01.2003 > 10.2005 |
| ASTRA G (98-05) Cabriolet - 1.6 16V | 101 ch | 03.2001 > 10.2005 |
| ASTRA G (98-05) Cabriolet - 1.8 16V | 125 ch | 03.2001 > 10.2005 |
| ASTRA G (98-05) Cabriolet - 2.0 16V Turbo | 200 ch | 11.2002 > 10.2005 |
| ASTRA G (98-05) Cabriolet - 2.0 OPC | 192 ch | 03.2002 > 10.2005 |
| ASTRA G (98-05) Cabriolet - 2.2 16V | 147 ch | 03.2001 > 10.2005 |
| ASTRA G (98-05) Cabriolet - 2.2 DTI | 125 ch | 09.2002 > 10.2005 |
| ASTRA G (98-05) Caravan (F35_) - 1.2 16V | 65 ch | 02.1998 > 09.2000 |
| | 75 ch | 09.2000 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.4 | 90 ch | 09.2003 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.4 16V | 90 ch | 06.1998 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.6 | 75 ch | 02.1998 > 09.2000 |
| | 84 ch | 09.2000 > 07.2004 |
| | 103 ch | 12.2002 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.6 16V | 101 ch | 02.1998 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.6 CNG | 97 ch | 03.2003 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.7 CDTI | 80 ch | 04.2003 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.7 DTI 16V | 75 ch | 02.2000 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.7 TD | 68 ch | 02.1998 > 08.2000 |
| ASTRA G (98-05) Caravan (F35_) - 1.8 | 110 ch | 02.2003 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 1.8 16V | 116 ch | 02.1998 > 09.2000 |
| | 125 ch | 09.2000 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 2.0 16V | 136 ch | 02.1998 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 2.0 DI | 82 ch | 02.1998 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 2.0 DTI 16V | 101 ch | 08.1999 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 2.0 OPC | 192 ch | 09.2002 > 07.2004 |
| | 200 ch | 11.2002 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 2.2 16V | 147 ch | 03.2001 > 07.2004 |
| ASTRA G (98-05) Caravan (F35_) - 2.2 DTI | 125 ch | 09.2002 > 07.2004 |

| OPEL | | |
|---|--------|-------------------|
| ASTRA G (98-05) CC (F48_, F08_) - 1.2 16V | 65 ch | 02.1998 > 09.2000 |
| | 75 ch | 09.2000 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.4 | 90 ch | 09.2003 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.4 16V | 90 ch | 02.1998 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.6 | 75 ch | 02.1998 > 09.2000 |
| | 84 ch | 09.2000 > 01.2005 |
| | 95 ch | 06.2002 > 03.2004 |
| | 103 ch | 12.2002 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.6 16V | 101 ch | 02.1998 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.7 CDTI | 80 ch | 04.2003 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.7 DTI 16V | 75 ch | 02.2000 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.7 TD | 68 ch | 02.1998 > 08.2000 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.8 | 110 ch | 02.2003 > 01.2004 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.8 16V | 116 ch | 02.1998 > 09.2000 |
| | 125 ch | 09.2000 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.0 16V | 136 ch | 02.1998 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.0 16V OPC | 160 ch | 11.1999 > 09.2002 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.0 DI | 82 ch | 02.1998 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.0 DTI 16V | 101 ch | 08.1999 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.0 OPC | 192 ch | 09.2002 > 01.2005 |
| | 200 ch | 11.2002 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.2 16V | 147 ch | 03.2001 > 01.2005 |
| ASTRA G (98-05) CC (F48_, F08_) - 2.2 DTI | 125 ch | 09.2002 > 01.2005 |
| ASTRA G (98-05) Coupe (F07_) - 1.6 16V | 103 ch | 03.2000 > 05.2005 |
| ASTRA G (98-05) Coupe (F07_) - 1.8 16V | 116 ch | 03.2000 > 10.2000 |
| | 125 ch | 09.2000 > 05.2005 |
| ASTRA G (98-05) Coupe (F07_) - 2.0 16V Turbo | 190 ch | 09.2000 > 08.2001 |
| | 192 ch | 08.2001 > 05.2005 |
| | 200 ch | 11.2002 > 05.2005 |
| ASTRA G (98-05) Coupe (F07_) - 2.2 16V | 147 ch | 09.2000 > 05.2005 |
| ASTRA G (98-05) Coupe (F07_) - 2.2 DTI | 125 ch | 09.2002 > 05.2005 |
| ASTRA G (98-05) Delvan (F70) - 1.6 | 75 ch | 01.1999 > 09.2000 |
| | 84 ch | 09.2000 > 04.2005 |
| ASTRA G (98-05) Delvan (F70) - 1.7 TD | 68 ch | 01.1999 > 04.2005 |
| ASTRA G (98-05) Delvan (F70) - 2.0 DI | 82 ch | 01.1999 > 04.2005 |
| ZAFIRA A (99-06) (F75_) - 1.6 | 95 ch | 09.2002 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 1.6 16V | 101 ch | 04.1999 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 1.6 CNG | 97 ch | 09.2001 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 1.8 | 110 ch | 02.2003 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 1.8 16V | 116 ch | 04.1999 > 09.2000 |
| | 125 ch | 09.2000 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 2.0 DI 16V | 82 ch | 10.1999 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 2.0 DTI 16V | 101 ch | 09.2000 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 2.0 OPC | 192 ch | 09.2001 > 06.2005 |
| | 200 ch | 11.2002 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 2.2 16V | 147 ch | 09.2000 > 06.2005 |
| ZAFIRA A (99-06) (F75_) - 2.2 DTI 16V | 125 ch | 01.2002 > 06.2005 |