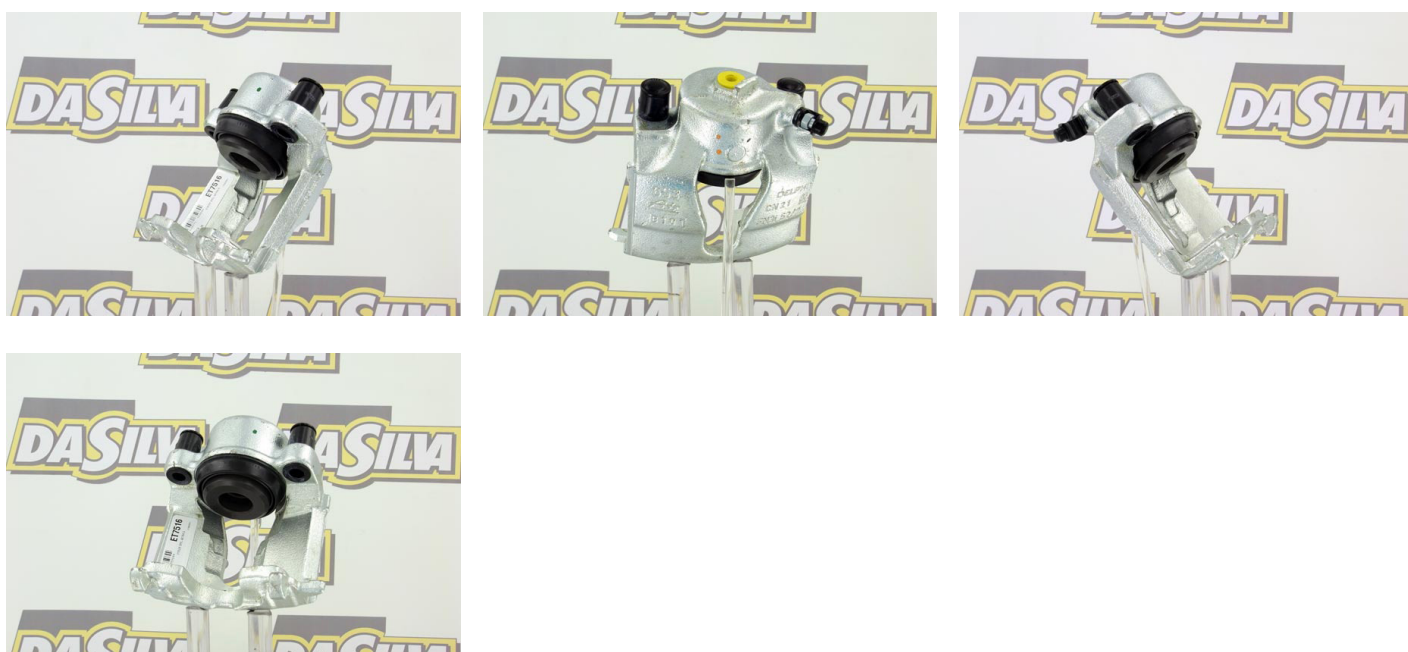


## DONNEES TECHNIQUES

|                                   |  |
|-----------------------------------|--|
| Position (L/T)                    | <b>devant le disque de frein (Leading)</b> |
| Restriction du fabricant          | <b>ATE</b>                                 |
|                                   | <b>Etrier flottant</b>                     |
|                                   | <b>Etrier de frein (1 piston)</b>          |
| Épaisseur du disque de frein [mm] | <b>24</b>                                  |
| Diamètre de piston [mm]           | <b>52</b>                                  |

## PHOTOS



## DOCUMENTS

- BT-122 **Fonctionnement des étriers de frein**
- BT-123 **Montage des étriers de frein**
- BT-134 **Refus des carcasses étriers**


**APPLICATIONS**

| <b>OPEL</b>                                    |        |                   |
|--|--------|-------------------|
| 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 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 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 |
| ASTRA G (98-05) CC (F48_, F08_) - 1.2 16V      | 65 ch  | 02.1998 > 09.2000 |
|  | 75 ch  | 09.2000 > 01.2005 |

| <b>OPEL</b>                                   |        |                   |
|---|--------|-------------------|
| 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 |
|   | 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 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 |
| ASTRA H (04-10) - 1.3 CDTI                    | 90 ch  | 08.2005 >         |
| ASTRA H (04-10) - 1.4                         | 80 ch  | 04.2004 > 10.2004 |
|   | 90 ch  | 03.2004 >         |
| ASTRA H (04-10) - 1.6                         | 105 ch | 03.2004 >         |
|   | 116 ch | 12.2006 >         |
| ASTRA H (04-10) - 1.6 Turbo                   | 180 ch | 02.2007 >         |
| ASTRA H (04-10) - 1.7 CDTI                    | 80 ch  | 03.2004 >         |
|   | 100 ch | 03.2004 >         |
|   | 110 ch | 02.2007 >         |
|   | 125 ch | 02.2007 >         |
| ASTRA H (04-10) - 1.8                         | 125 ch | 03.2004 >         |
|   | 140 ch | 01.2006 >         |
| ASTRA H (04-10) - 1.9 CDTI                    | 100 ch | 09.2005 >         |
|   | 120 ch | 06.2004 >         |
|   | 150 ch | 09.2004 >         |
| ASTRA H (04-10) - 1.9 CDTI 16V                | 120 ch | 04.2004 >         |
| ASTRA H (04-10) - 2.0 Turbo                   | 170 ch | 03.2004 >         |
|   | 200 ch | 09.2004 >         |
|   | 240 ch | 03.2005 >         |

| <b>OPEL</b>                            |        |           |
|--|--------|-----------|
| ASTRA H (04-10) 3 volumes - 1.7 CDTi   | 110 ch | 02.2007 > |
| ASTRA H (04-10) Caravan - 1.3 CDTI     | 90 ch  | 08.2005 > |
| ASTRA H (04-10) Caravan - 1.4          | 90 ch  | 08.2004 > |
|  | 75 ch  | 08.2004 > |
| ASTRA H (04-10) Caravan - 1.4 LPG      | 90 ch  | 08.2009 > |
| ASTRA H (04-10) Caravan - 1.6          | 105 ch | 08.2004 > |
|  | 116 ch | 12.2006 > |
| ASTRA H (04-10) Caravan - 1.6 LPG      | 116 ch | 08.2009 > |
| ASTRA H (04-10) Caravan - 1.6 Turbo    | 180 ch | 02.2007 > |
| ASTRA H (04-10) Caravan - 1.7 CDTI     | 80 ch  | 08.2004 > |
|  | 101 ch | 08.2004 > |
|  | 110 ch | 02.2007 > |
|  | 125 ch | 02.2007 > |
| ASTRA H (04-10) Caravan - 1.8          | 125 ch | 08.2004 > |
|  | 140 ch | 08.2005 > |
| ASTRA H (04-10) Caravan - 1.9 CDTI     | 100 ch | 09.2005 > |
|  | 120 ch | 09.2005 > |
|  | 150 ch | 09.2004 > |
| ASTRA H (04-10) Caravan - 1.9 CDTI 16V | 120 ch | 08.2004 > |
| ASTRA H (04-10) Caravan - 2.0 Turbo    | 170 ch | 08.2004 > |
|  | 200 ch | 09.2004 > |
| ASTRA H (04-10) GTC - 1.3 CDTI         | 90 ch  | 04.2005 > |
| ASTRA H (04-10) GTC - 1.4              | 90 ch  | 03.2005 > |
| ASTRA H (04-10) GTC - 1.6              | 105 ch | 03.2005 > |
|  | 116 ch | 12.2006 > |
| ASTRA H (04-10) GTC - 1.6 Turbo        | 180 ch | 02.2007 > |
| ASTRA H (04-10) GTC - 1.7 CDTi         | 101 ch | 03.2005 > |
|  | 110 ch | 02.2007 > |
|  | 125 ch | 02.2007 > |
| ASTRA H (04-10) GTC - 1.8              | 125 ch | 03.2005 > |
|  | 140 ch | 01.2006 > |
| ASTRA H (04-10) GTC - 1.9 CDTI         | 101 ch | 01.2006 > |
|  | 120 ch | 09.2005 > |
|  | 150 ch | 03.2005 > |
| ASTRA H (04-10) GTC - 1.9 CDTi 16V     | 120 ch | 03.2005 > |
| ASTRA H (04-10) GTC - 2.0 Turbo        | 170 ch | 03.2005 > |
|  | 200 ch | 03.2005 > |
|  | 240 ch | 08.2005 > |
| ASTRA H (04-10) TwinTop - 1.6          | 105 ch | 09.2005 > |
|  | 116 ch | 12.2006 > |
| ASTRA H (04-10) TwinTop - 1.6 Turbo    | 180 ch | 02.2007 > |
| ASTRA H (04-10) TwinTop - 1.8          | 125 ch | 09.2005 > |
|  | 140 ch | 09.2005 > |
| ASTRA H (04-10) TwinTop - 1.9 CDTi     | 150 ch | 09.2005 > |
| ASTRA H (04-10) TwinTop - 2.0 Turbo    | 170 ch | 09.2005 > |
|  | 200 ch | 09.2005 > |
| ASTRA H (04-10) Van - 1.3 CDTI         | 90 ch  | 08.2005 > |
| ASTRA H (04-10) Van - 1.7 CDTI         | 101 ch | 03.2004 > |
|  | 110 ch | 02.2007 > |
|  | 125 ch | 02.2007 > |

| <b>OPEL</b>                           |        |                   |
|---------------------------------------|--------|-------------------|
| ASTRA H (04-10) Van - 1.9 CDTI        | 150 ch | 09.2004 >         |
|                                       | 120 ch | 09.2005 >         |
| ASTRA H (04-10) Van - 1.9 CDTI 16V    | 120 ch | 08.2004 >         |
| 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 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 |

 Avant montage, comparez la pièce reçue à celle d'origine afin de vérifier que la bonne pièce a été choisie et peut être montée sur le véhicule. Le non-respect de cette consigne ou des instructions de montage annule la garantie.