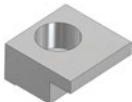
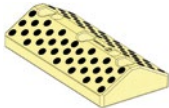


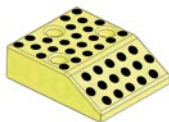


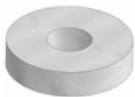
# Die Components Normalien Componenti

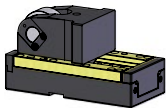
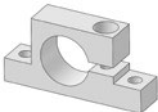


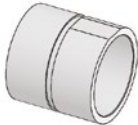
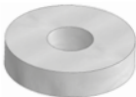
**OMCR**<sup>®</sup>  
STANDARD DIE COMPONENTS

|                                                                                     |                                                                                                                |                                                                                                   |                                                                                                                |                                                                                                         |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>F3301</b>                                                                        | <b>F33010001÷0049</b>                                                                                          | <b>F33010038÷0059</b>                                                                             | <b>F33010060÷0076</b>                                                                                          | <b>F3302</b>                                                                                            |
|                                                                                     |                               |                  |                               |                                                                                                         |
|                                                                                     | Guide post<br>Führungssäule<br>Colonna guida                                                                   | Guide post<br>Führungssäule<br>Colonna guida                                                      | Guide post<br>Führungssäule<br>Colonna guida                                                                   |                                                                                                         |
|                                                                                     | 381                                                                                                            | 382                                                                                               | 383                                                                                                            |                                                                                                         |
| <b>F33020019÷0026</b>                                                               | <b>F33020036÷0037</b>                                                                                          | <b>F3303</b>                                                                                      | <b>F33030001÷0040</b>                                                                                          | <b>F33030041÷0070</b>                                                                                   |
|    |                               |                                                                                                   |                               |                       |
| Bush self-lubricating<br>Führungsbuchse<br>Boccola autolubrificante                 | Toe clamp<br>Haltestück<br>Ritegno                                                                             |                                                                                                   | Matrix Retainer<br>Aufnahmeplatte<br>Portamatrice                                                              | Distance Plate<br>Druckplatte<br>Distanziale                                                            |
| 384                                                                                 | 384                                                                                                            |                                                                                                   | 385                                                                                                            | 386                                                                                                     |
| <b>F3304</b>                                                                        | <b>F3304000÷0138</b>                                                                                           | <b>F33040121÷F33050012</b>                                                                        | <b>F33040024÷0035</b>                                                                                          | <b>F33040036÷0044</b>                                                                                   |
|                                                                                     |                              |                 |                              |                       |
|                                                                                     | Wear plate VDI 3357<br>Gleitplatte VDI 3357<br>Piastra guida VDI 3357                                          | Wear plate VDI 3357<br>Gleitplatte VDI 3357<br>Piastra guida VDI 3357                             | Wear plate self-lubricating<br>Gleitplatte bronze mit<br>festschmierstoff<br>Piastra guida<br>autolubrificante | Wear plate self-lubricating<br>Gleitplatte mit<br>festschmierstoff<br>Piastra guida<br>autolubrificante |
|                                                                                     | 387                                                                                                            | 388                                                                                               | 389                                                                                                            | 390                                                                                                     |
| <b>F33040084÷0164</b>                                                               | <b>F33040085÷0112</b>                                                                                          | <b>F33040090÷0093</b>                                                                             | <b>F33040100÷0111</b>                                                                                          | <b>F33040139÷0147</b>                                                                                   |
|  |                             |                |                             |                     |
| Cam positive return<br>follower<br>Gleitstück<br>Reazione gancio                    | Wear plate self-lubricating<br>Gleitplatte bronze mit<br>festschmierstoff<br>Piastra guida<br>autolubrificante | "V" driver VDI 3357<br>Prismenführung mit<br>festschmierstoff VDI<br>3357<br>Guida a "V" VDI 3357 | Angular guide<br>Winkelleiste<br>Guida angolare                                                                | Cam dwell wear plate steel<br>Überlaufkeile stahl<br>Cuneo in acciaio                                   |
| 390                                                                                 | 391                                                                                                            | 391                                                                                               | 392                                                                                                            | 393                                                                                                     |

| F33040148÷0156                                                                                                     | F33040165÷0176                                                                    | F33040177÷0183                                                                                                  | F33040287÷0289                                                                      | F33040288÷0290                                                                                    |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |                                |    |                  |                                                                                     |
| Cam dwell wear plate<br>self-lubricating<br>Überlaufkeile bronze mit<br>festschmierstoff<br>Cuneo autolubrificante | Wear plate<br>Gleitplatte<br>Piastra guida                                        | Wear plate<br>Gleitplatte<br>Piastra guida                                                                      | Positive Return<br>Zwangsrückholer<br>Gancio                                        | Positive Return<br>Zwangsrückholer<br>Gancio                                                      |                                                                                     |
| 394                                                                                                                | 395                                                                               | 395                                                                                                             | 396                                                                                 | 396                                                                                               |                                                                                     |
| F33040305÷0320                                                                                                     | F3305                                                                             |                                                                                                                 | F33050069÷0072                                                                      | F33050081÷0083                                                                                    |                                                                                     |
|                                   |                                                                                   |                                                                                                                 |    |                 |                                                                                     |
| Wear plate<br>Gleitplatte<br>Piastra guida                                                                         |                                                                                   |                                                                                                                 | "V" driver VDI 3357<br>Prismenführung VDI 3357<br>Guida a "V" VDI 3357              | "V" driver VDI 3357<br>Prismenführung mit<br>festschmierstoff VDI<br>3357<br>Guida a "V" VDI 3357 |                                                                                     |
| 397                                                                                                                |                                                                                   |                                                                                                                 | 398                                                                                 | 399                                                                                               |                                                                                     |
| F33050084÷0086                                                                                                     | F33050087                                                                         | F33050088                                                                                                       | F33050089÷0100                                                                      | F33050101÷0107                                                                                    |                                                                                     |
|                                   |  |                                |    |                  |                                                                                     |
| "V" driver VDI 3357<br>Prismenführung VDI 3357<br>Guida a "V" VDI 3357                                             | "V" driver<br>Prismenführung<br>Guida a "V"                                       | "V" driver self-lubricating<br>Prismenführung bronze mit<br>festschmierstoff<br>Guida a "V"<br>autolubrificante | Wear plate<br>Gleitplatte<br>Piastra guida                                          | Wear plate<br>Gleitplatte<br>Piastra guida                                                        |                                                                                     |
| 399                                                                                                                | 400                                                                               | 400                                                                                                             | 401                                                                                 | 401                                                                                               |                                                                                     |
| F3315                                                                                                              |                                                                                   | F33150011÷0015                                                                                                  | F33150037÷0044                                                                      | F33150045÷0048                                                                                    | F33150060÷0061                                                                      |
|                                                                                                                    |                                                                                   |                              |  |                |  |
|                                                                                                                    |                                                                                   | Pad Retainer<br>Steckbolzen<br>Perno di arresto                                                                 | Aerial Pin<br>Luftbolzen<br>Candela                                                 | Air Pin<br>Druckbolzen<br>Candela                                                                 | Locating Pin<br>Zentrierbolzen<br>Centraggio                                        |
|                                                                                                                    |                                                                                   | 402                                                                                                             | 402                                                                                 | 403                                                                                               | 403                                                                                 |

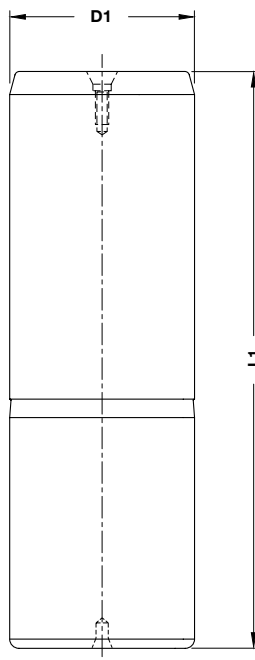
|                                                                                                                                                                                                 |                                                                                                                                                                                         |                                                                                                                                                                                 |                                                                                                                                                                             |                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>F33150087÷0091</b><br><br>Lifting pin<br>Tragbolzen mit<br>Fallringsicherung<br>Perno di sollevamento<br>404 | <b>F3316</b>                                                                                                                                                                            | <b>F33160106÷0107</b><br><br>Fixing plate<br>Befestigungsplatte<br>Piastra di fissaggio<br>405 | <b>F33160108÷0204</b><br><br>Distance plate<br>Abstimmzscheibe<br>Distanziale<br>405       | <b>F33160157÷0188</b><br><br>Shim plate<br>Ausgleichbleche<br>Piastra di spessoramento<br>406 |
| <b>F33160218</b><br><br>Fastening plates<br>Halteplatte<br>Piastre di ritegno<br>407                           | <b>F33160230÷0250</b><br><br>Shim punch retainer<br>Druckplatte<br>Spessore per<br>portapunzone<br>407 | <b>F33160226÷0344</b><br><br>Striker plate<br>Distanzkappe<br>Reazione per cilindro<br>408     | <b>F33160345÷0371</b><br><br>Striker plate<br>Distanzkappe<br>Reazione per cilindro<br>409 | <b>F3318</b>                                                                                                                                                                    |
| <b>F33180007÷0012</b><br><br>Washer<br>Scheibe<br>Rondella<br>410                                              | <b>F33180020÷0021</b><br><br>Distance plate<br>Abstimmzscheibe<br>Distanziale<br>410                   | <b>F3319</b>                                                                                                                                                                    | <b>F33190003 ÷0038</b><br><br>Locating Cone<br>Kegeldistanz<br>Cono di centraggio<br>411  | <b>F33190005÷0026</b><br><br>Spacer<br>Distanzstück<br>Distanziale<br>411                     |
| <b>F33190031÷0034</b><br><br>Bottoming block<br>Abstandblock<br>Distanziale<br>412                           | <b>F33190035÷0036</b><br><br>Spacer<br>Distanzstück<br>Distanziale<br>412                            | <b>F3320</b>                                                                                                                                                                    | <b>F33260009÷0033</b><br><br>Key<br>Passfeder<br>Chiametta<br>413                        | <b>F3322</b>                                                                                                                                                                    |

|                                                                                                                                                                                                 |                                                                                                                                                                                                                             |                                                                                                                                                                                             |                                                                                                                                                                                              |                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>F33220332+0343</b><br><br>Roller cam unit<br>Rollenschieber<br>Camma a rullo<br>414                         | <b>F3326</b>                                                                                                                                                                                                                | <b>F33260004+0397</b><br><br>Gage<br>Einweiser<br>Riferimento<br>415                                       | <b>F33260014+0024</b><br><br>Acceleration cam<br>Schiebervorbeschleunigung<br>Camma di accelerazione<br>415 | <b>F33260032</b><br><br>Cam roller<br>Rollenbock<br>Supporto con rullo<br>416                                                             |
| <b>F33260203+0205</b><br><br>Front gage<br>Einlaufanschlag<br>Portasensore<br>416                              | <b>F33260223+0342</b><br><br>Slide stop block<br>Schieberanschlag<br>Arresto slitta<br>417                                                 | <b>F3329</b>                                                                                                                                                                                | <b>F33290002</b><br><br>Stamp rack pillar<br>Markierstempelkonsole<br>Colonna portatimbri<br>418            | <b>F33290041</b><br><br>Counter-pressure plate<br>Gegendruckplatte<br>Piastrina di reazione<br>418                                       |
| <b>F33290043+0164</b><br><br>Stamp<br>Buchstabenstempel<br>Marchio<br>419                                      | <b>F33290063</b><br><br>Stamp<br>Buchstabenstempel<br>Marchio<br>419                                                                       | <b>F33290068</b><br><br>Visual locator punch<br>Endkontrollstempel<br>Punzone di<br>visualizzazione<br>420 | <b>F3331</b>                                                                                                                                                                                 | <b>F33310014+0022</b><br><br>Clamping flange for gas<br>springs<br>Klemmflansch für<br>Gasdruckfedern<br>Supporto per molle a gas<br>420 |
| <b>F33310023+0024</b><br><br>Urethane spring retainer<br>Elastomerhalterung<br>Ritegno per elastomero<br>421 | <b>F33310029+0036</b><br><br>Clamping flange for gas<br>springs<br>Klemmflansch für<br>Gasdruckfedern<br>Supporto per molle a gas<br>421 | <b>F3391</b>                                                                                                                                                                                | <b>F33910001</b><br><br>Air coupling bracket<br>Luftanschlussblock<br>Supporto innesti rapidi<br>422      | <b>F33910002</b><br><br>Air coupling bracket<br>Luftanschlussblock<br>Supporto innesti rapidi<br>422                                    |

|                                                                                                                                                                                       |                                                                                                                                                                   |                                                                                                                                                                   |                                                                                                                                                                                                         |                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>F33910003</b><br><br>Air coupling bracket<br>Luftanschlussblock<br>Supporto innesti rapidi<br>422 | <b>F33910043</b><br><br>Retainer for stamps<br>Halteplatte<br>Portatimbri<br>423 | <b>F33910044</b><br><br>Retainer for stamps<br>Halteplatte<br>Portatimbri<br>423 | <b>F33910110÷0115</b><br><br>Bush for lifting pin<br>Buchse für Tragbolzen<br>Boccola per perno di sollevamento<br>424 | <b>J06910069÷70</b><br><br>Sensor mounting brackets<br>Sensorhalterungen<br>Staffa per sensore<br>424 |
| <b>M16045182÷184</b><br><br>Shock absorber<br>Halteelement<br>Ammortizzatore<br>425                  | <b>M36600070÷0073</b><br><br>Washer<br>Scheibe<br>Rondella<br>425                |                                                                                                                                                                   |                                                                                                                                                                                                         |                                                                                                                                                                                         |

## GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

## Notes

**Material:** 16MnCr5**HRC:** 60÷62

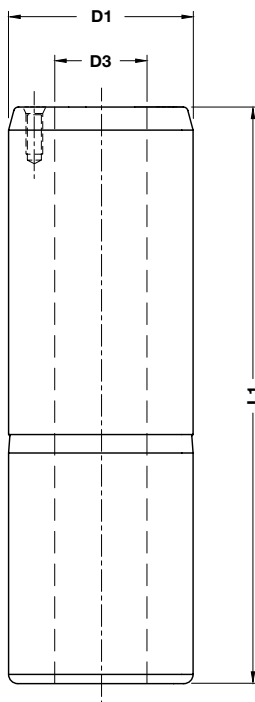
OPEL CODE

F33010002

| OPEL CODE | D1 | L1  | OPEL CODE | D1 | L1  | OPEL CODE | D1 | L1  |
|-----------|----|-----|-----------|----|-----|-----------|----|-----|
| F33010001 | 25 | 125 | F33010015 | 40 | 280 | F33010029 | 63 | 315 |
| F33010002 | 25 | 140 | F33010016 | 50 | 160 | F33010030 | 63 | 355 |
| F33010003 | 25 | 160 | F33010017 | 50 | 180 | F33010031 | 63 | 400 |
| F33010004 | 25 | 180 | F33010018 | 50 | 200 | F33010032 | 80 | 224 |
| F33010005 | 32 | 140 | F33010019 | 50 | 224 | F33010033 | 80 | 250 |
| F33010006 | 32 | 160 | F33010020 | 50 | 250 | F33010034 | 80 | 280 |
| F33010007 | 32 | 180 | F33010021 | 50 | 280 | F33010035 | 80 | 315 |
| F33010008 | 32 | 200 | F33010022 | 50 | 315 | F33010036 | 80 | 355 |
| F33010009 | 40 | 140 | F33010023 | 50 | 355 | F33010037 | 80 | 400 |
| F33010010 | 40 | 160 | F33010024 | 63 | 180 | F33010046 | 63 | 450 |
| F33010011 | 40 | 180 | F33010025 | 63 | 200 | F33010047 | 63 | 500 |
| F33010012 | 40 | 200 | F33010026 | 63 | 224 | F33010048 | 80 | 450 |
| F33010013 | 40 | 224 | F33010027 | 63 | 250 | F33010049 | 80 | 500 |
| F33010014 | 40 | 250 | F33010028 | 63 | 280 |           |    |     |

## GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

## Notes

**Material:** 16MnCr5**HRC:** 60÷62

OPEL CODE

F33010038

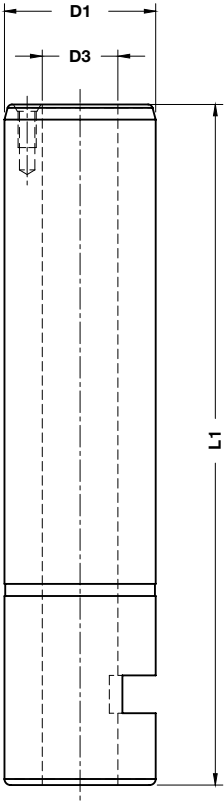
| OPEL CODE | D1  | D3 | L1  | OPEL CODE | D1  | D3 | L1  |
|-----------|-----|----|-----|-----------|-----|----|-----|
| F33010038 | 100 | 50 | 280 | F33010051 | 100 | 50 | 500 |
| F33010039 | 100 | 50 | 315 | F33010052 | 100 | 50 | 550 |
| F33010040 | 100 | 50 | 355 | F33010053 | 100 | 50 | 600 |
| F33010041 | 100 | 50 | 400 | F33010054 | 100 | 50 | 650 |
| F33010042 | 125 | 65 | 315 | F33010055 | 125 | 65 | 500 |
| F33010043 | 125 | 65 | 355 | F33010056 | 125 | 65 | 550 |
| F33010044 | 125 | 65 | 400 | F33010057 | 125 | 65 | 600 |
| F33010045 | 125 | 65 | 450 | F33010058 | 125 | 65 | 650 |
| F33010050 | 100 | 50 | 450 |           |     |    |     |

GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA



**Notes**

**Material:** 16MnCr5  
**HRC:** 60÷62

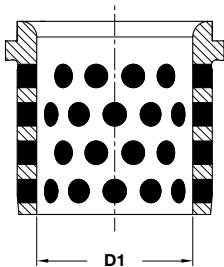


Standard Opel

|  |           |
|--|-----------|
|  | OPEL CODE |
|  | F33010061 |

| OPEL CODE | D1  | D3 | L1  | OPEL CODE | D1  | D3 | L1  | OPEL CODE | D1  | D3 | L1  |
|-----------|-----|----|-----|-----------|-----|----|-----|-----------|-----|----|-----|
| F33010060 | 100 | 50 | 280 | F33010066 | 100 | 50 | 550 | F33010072 | 125 | 65 | 450 |
| F33010061 | 100 | 50 | 315 | F33010067 | 100 | 50 | 600 | F33010073 | 125 | 65 | 500 |
| F33010062 | 100 | 50 | 355 | F33010068 | 100 | 50 | 650 | F33010074 | 125 | 65 | 550 |
| F33010063 | 100 | 50 | 400 | F33010069 | 125 | 65 | 315 | F33010075 | 125 | 65 | 600 |
| F33010064 | 100 | 50 | 450 | F33010070 | 125 | 65 | 355 | F33010076 | 125 | 65 | 650 |
| F33010065 | 100 | 50 | 500 | F33010071 | 125 | 65 | 400 |           |     |    |     |

BUSH SELF-LUBRICATING - FÜHRUNGSBUCHSE - BOCCOLA AUTOLUBRIFICANTE



Notes

**Material:** Bronze + Graphite  
**HB** > 190

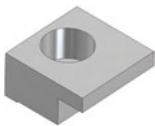
STOCK



OPEL CODE  
F33020020

| OPEL CODE | D1  |
|-----------|-----|
| F33020019 | 25  |
| F33020020 | 32  |
| F33020021 | 40  |
| F33020022 | 50  |
| F33020023 | 63  |
| F33020024 | 80  |
| F33020025 | 100 |
| F33020026 | 125 |

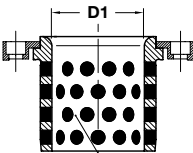
TOE CLAMP - HALTESTÜCK - RITEGNO PER BOCCOLA



Notes

**Material:** CK45

Application example



F33020019÷F33020026

STOCK



OPEL CODE  
F33020037

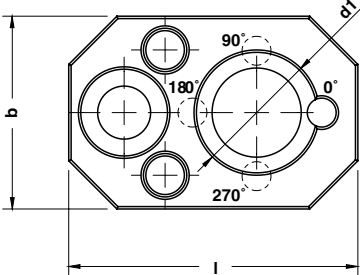
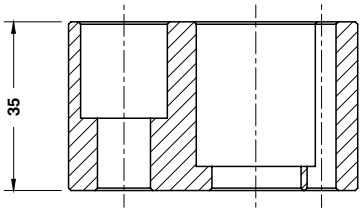
| OPEL CODE | D1     |
|-----------|--------|
| F33020036 | 25÷50  |
| F33020037 | 63÷125 |

MATRIX RETAINER - AUFNAHMEPLATTE - PORTAMATRICE

Notes

Material: CK45

STOCK



Standard Opel

|                  |           |
|------------------|-----------|
| ORDER<br>EXAMPLE | OPEL CODE |
|                  | F33030002 |

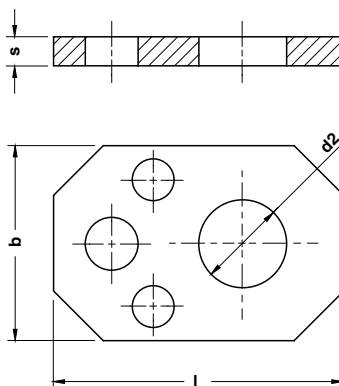
| OPEL CODE          |           |           |           | b  | d1 | l  |
|--------------------|-----------|-----------|-----------|----|----|----|
| DOWEL PIN LOCATION |           |           |           |    |    |    |
| 0°                 | 90°       | 180°      | 270°      |    |    |    |
| F33030001          | F33030011 | F33030021 | F33030031 | 40 | 10 | 60 |
| F33030002          | F33030012 | F33030022 | F33030032 | 40 | 13 | 60 |
| F33030003          | F33030013 | F33030023 | F33030033 | 40 | 16 | 60 |
| F33030004          | F33030014 | F33030024 | F33030034 | 40 | 20 | 60 |
| F33030006          | F33030016 | F33030026 | F33030036 | 40 | 25 | 60 |
| F33030007          | F33030017 | -         | F33030037 | 40 | 32 | 60 |
| F33030008          | F33030018 | F33030028 | F33030038 | 60 | 38 | 80 |
| F33030009          | F33030019 | F33030029 | F33030039 | 60 | 45 | 80 |
| F33030010          | F33030020 | -         | F33030040 | 60 | 50 | 80 |

## DISTANCE PLATE - DRUCKPLATTE - DISTANZIALE

## Notes

Material: CK45

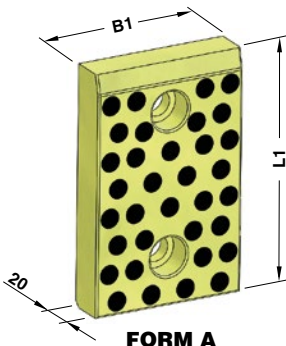
STOCK



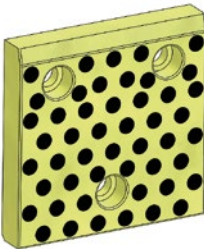
|                  |           |
|------------------|-----------|
| ORDER<br>EXAMPLE | OPEL CODE |
|                  | F33030042 |

| OPEL CODE | b  | d2   | l  | s | OPEL CODE | b  | d2   | l  | s |
|-----------|----|------|----|---|-----------|----|------|----|---|
| F33030041 | 40 | 6,5  | 60 | 2 | F33030058 | 40 | 19   | 60 | 6 |
| F33030042 | 40 | 6,5  | 60 | 4 | F33030059 | 40 | 22,5 | 60 | 2 |
| F33030043 | 40 | 6,5  | 60 | 6 | F33030060 | 40 | 22,5 | 60 | 4 |
| F33030044 | 40 | 9,5  | 60 | 2 | F33030061 | 40 | 22,5 | 60 | 6 |
| F33030045 | 40 | 9,5  | 60 | 4 | F33030062 | 60 | 28,5 | 80 | 2 |
| F33030046 | 40 | 9,5  | 60 | 6 | F33030063 | 60 | 28,5 | 80 | 4 |
| F33030047 | 40 | 11   | 60 | 2 | F33030064 | 60 | 28,5 | 80 | 6 |
| F33030048 | 40 | 11   | 60 | 4 | F33030065 | 60 | 37,5 | 80 | 2 |
| F33030049 | 40 | 11   | 60 | 6 | F33030066 | 60 | 37,5 | 80 | 4 |
| F33030050 | 40 | 13,5 | 60 | 2 | F33030067 | 60 | 37,5 | 80 | 6 |
| F33030051 | 40 | 13,5 | 60 | 4 | F33030068 | 60 | 42,5 | 80 | 2 |
| F33030052 | 40 | 13,5 | 60 | 6 | F33030069 | 60 | 42,5 | 80 | 4 |
| F33030056 | 40 | 19   | 60 | 2 | F33030070 | 60 | 42,5 | 80 | 6 |
| F33030057 | 40 | 19   | 60 | 4 |           |    |      |    |   |

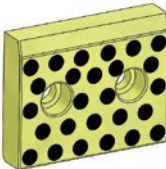
WEAR PLATE SELF-LUBRICATING VDI 3357  
GLEITPLATTE BRONZE MIT FESTSCHMIERSTOFF VDI 3357  
PIASTRA GUIDA AUTOLUBRIFICANTE VDI 3357



FORM A



FORM B



FORM C



FORM D

Notes

**Material:** Bronze + Graphite  
**HB** > 190

STOCK



Standard Opel

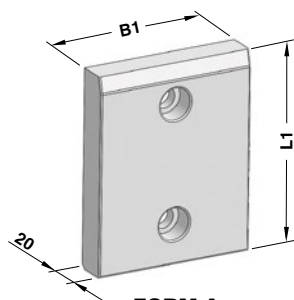
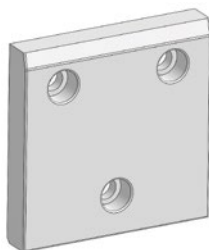
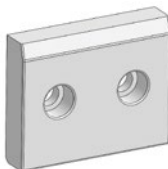
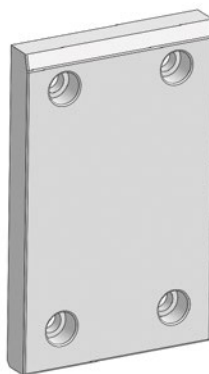


OPEL CODE  
F33040001

\* Not in accordance with VDI3357  
Nicht mit Entspricht VDI3357  
Non conforme alla norma VDI3357

| OPEL CODE | B1  | L1  | FORM | OPEL CODE  | B1  | L1  | FORM |
|-----------|-----|-----|------|------------|-----|-----|------|
| F33040000 | 50  | 100 | A    | F33040015  | 125 | 100 | B    |
| F33040001 | 50  | 125 | A    | F33040016  | 125 | 125 | B    |
| F33040002 | 50  | 160 | A    | F33040017  | 125 | 160 | B    |
| F33040003 | 50  | 200 | A    | F33040018  | 160 | 100 | B    |
| F33040004 | 80  | 100 | A    | F33040019  | 160 | 125 | B    |
| F33040005 | 80  | 125 | A    | F33040020  | 160 | 160 | B    |
| F33040006 | 80  | 160 | A    | F33040113* | 100 | 250 | D    |
| F33040007 | 80  | 200 | A    | F33040114* | 125 | 200 | D    |
| F33040008 | 100 | 50  | C    | F33040115* | 160 | 200 | D    |
| F33040009 | 100 | 80  | C    | F33040116* | 160 | 250 | D    |
| F33040010 | 100 | 100 | A    | F33040117* | 160 | 300 | D    |
| F33040011 | 100 | 125 | A    | F33040118* | 200 | 200 | D    |
| F33040012 | 100 | 160 | A    | F33040119* | 200 | 250 | D    |
| F33040013 | 100 | 200 | A    | F33040120* | 200 | 300 | D    |
| F33040014 | 125 | 80  | C    | F33040138* | 125 | 250 | D    |

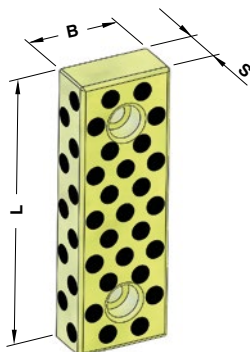
**WEAR PLATE STEEL VDI 3357**  
**GLEITPLATTE STAHL VDI 3357**  
**PIASTRA GUIDA IN ACCIAIO VDI 3357**

**FORM A****FORM B****FORM C****FORM D****Notes****Material:** 16MnCr5**HRC:** 58÷60**STOCK****OPEL CODE****F33040121**

\* Not in accordance with VDI3357  
 entspricht nicht VDI3357  
 Non conforme alla norma VDI3357

| OPEL CODE  | B1  | L1  | FORM | OPEL CODE  | B1  | L1  | FORM |
|------------|-----|-----|------|------------|-----|-----|------|
| F33040121  | 100 | 50  | C    | F33040136* | 200 | 250 | D    |
| F33040122  | 100 | 80  | C    | F33040137* | 200 | 300 | D    |
| F33040123* | 100 | 250 | D    | F33050000  | 50  | 100 | A    |
| F33040124  | 125 | 80  | C    | F33050001  | 50  | 125 | A    |
| F33040125  | 125 | 100 | B    | F33050002  | 50  | 160 | A    |
| F33040126  | 125 | 125 | B    | F33050003  | 50  | 200 | A    |
| F33040127* | 125 | 200 | D    | F33050004  | 80  | 100 | A    |
| F33040128* | 125 | 250 | D    | F33050005  | 80  | 125 | A    |
| F33040129  | 160 | 100 | B    | F33050006  | 80  | 160 | A    |
| F33040130  | 160 | 125 | B    | F33050007  | 80  | 200 | A    |
| F33040131  | 160 | 160 | B    | F33050008  | 100 | 100 | A    |
| F33040132* | 160 | 200 | D    | F33050009  | 100 | 125 | A    |
| F33040133* | 160 | 250 | D    | F33050010  | 100 | 160 | A    |
| F33040134* | 160 | 300 | D    | F33050011  | 100 | 200 | A    |
| F33040135* | 200 | 200 | D    | F33050012  | 125 | 160 | B    |

**WEAR PLATE SELF-LUBRICATING**  
**GLEITPLATTE BRONZE MIT FESTSCHMIERSTOFF**  
**PIASTRA GUIDA AUTOLUBRIFICANTE**

**FORM A****Notes**

**Material:** Bronze + Graphite  
**HB** > 190

STOCK

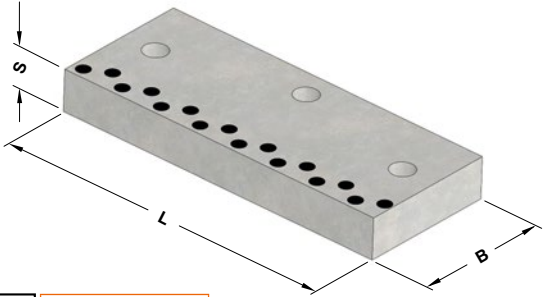
**FORM B****FORM C****FORM D****FORM E**

OPEL CODE

F33040025

| OPEL CODE | B  | L   | S  | FORM | OPEL CODE | B  | L   | S  | FORM |
|-----------|----|-----|----|------|-----------|----|-----|----|------|
| F33040024 | 35 | 100 | 10 | E    | F33040030 | 50 | 150 | 25 | A    |
| F33040025 | 35 | 150 | 10 | E    | F33040031 | 50 | 200 | 25 | A    |
| F33040026 | 35 | 200 | 10 | E    | F33040032 | 50 | 250 | 25 | B    |
| F33040027 | 35 | 250 | 10 | E    | F33040033 | 75 | 150 | 25 | C    |
| F33040028 | 35 | 300 | 10 | E    | F33040034 | 75 | 200 | 25 | D    |
| F33040029 | 35 | 350 | 10 | E    | F33040035 | 75 | 250 | 25 | D    |

WEAR PLATE SELF-LUBRICATING  
GLEITPLATTE MIT FESTSCHMIERSTOFF  
PIASTRA GUIDA AUTOLUBRIFICANTE



Notes

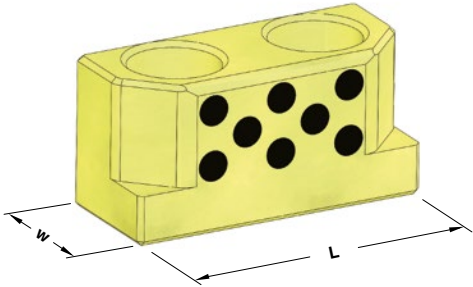
**Material:** CK45 + Graphite  
**HRC:** 60÷62



OPEL CODE  
F33040037

| OPEL CODE | B   | L   | S  | OPEL CODE | B   | L   | S  |
|-----------|-----|-----|----|-----------|-----|-----|----|
| F33040036 | 100 | 160 | 20 | F33040041 | 125 | 250 | 30 |
| F33040037 | 100 | 200 | 20 | F33040042 | 125 | 300 | 30 |
| F33040038 | 100 | 250 | 20 | F33040043 | 125 | 350 | 30 |
| F33040039 | 100 | 300 | 20 | F33040044 | 125 | 400 | 30 |
| F33040040 | 125 | 160 | 30 |           |     |     |    |

CAM POSITIVE RETURN FOLLOWER  
GLEITSTÜCK  
REAZIONE GANCIO



Notes

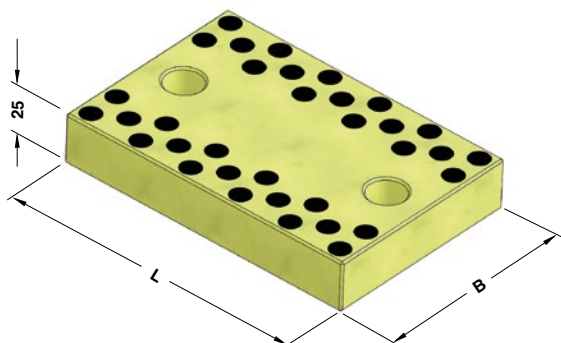
**Material:** Bronze + Graphite  
**HB** > 190



OPEL CODE  
F33040163

| OPEL CODE | L  | W  |
|-----------|----|----|
| F33040084 | 60 | 25 |
| F33040163 | 60 | 32 |
| F33040164 | 80 | 32 |

**WEAR PLATE SELF-LUBRICATING**  
**GLEITPLATTE MIT FESTSCHMIERSTOFF**  
**PIASTRA GUIDA AUTOLUBRIFICANTE**

**Notes**

**Material:** Bronze + Graphite  
**HB** > 190

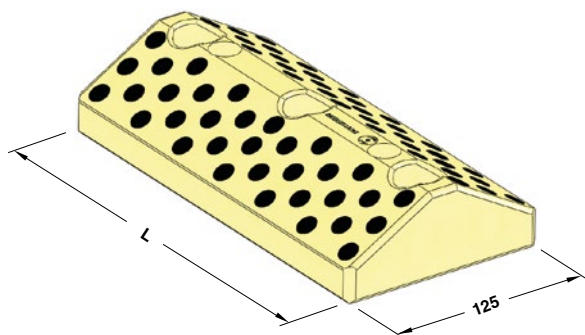
**OPEL CODE**

F33040086

| OPEL CODE | B   | L   |
|-----------|-----|-----|
| F33040085 | 100 | 100 |
| F33040086 | 100 | 150 |
| F33040112 | 120 | 150 |

Standard Opel

**"V" DRIVER SELF-LUBRICATING VDI 3357**  
**PRISMENFÜHRUNG BRONZE MIT FESTSCHMIERSTOFF VDI 3357**  
**GUIDA A "V" AUTOLUBRIFICANTE VDI 3357**

**Notes**

**Material:** Bronze + Graphite  
**HB** > 190

**OPEL CODE**

F33040091

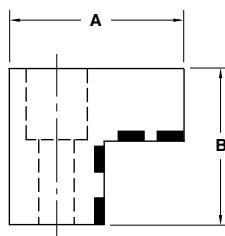
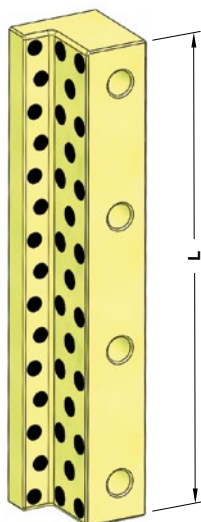
| OPEL CODE | L   |
|-----------|-----|
| F33040090 | 150 |
| F33040091 | 200 |
| F33040092 | 250 |
| F33040093 | 300 |

## ANGULAR GUIDE - WINKELLEISTE - GUIDA ANGOLARE

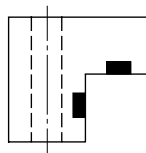
## Notes

**Material:** Bronze + Graphite  
**HB** > 190

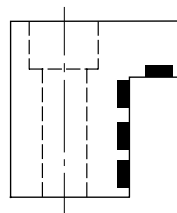
STOCK



FORM A



FORM B



FORM C



OPEL CODE

F33040101

| OPEL CODE | A  | B  | L   | FORM | OPEL CODE | A  | B  | L   | FORM |
|-----------|----|----|-----|------|-----------|----|----|-----|------|
| F33040100 | 50 | 45 | 200 | A    | F33040106 | 32 | 30 | 150 | B    |
| F33040101 | 50 | 45 | 250 | A    | F33040107 | 32 | 30 | 250 | B    |
| F33040102 | 50 | 45 | 300 | A    | F33040108 | 32 | 30 | 300 | B    |
| F33040103 | 50 | 45 | 350 | A    | F33040109 | 50 | 50 | 200 | C    |
| F33040104 | 50 | 45 | 400 | A    | F33040110 | 50 | 50 | 250 | C    |
| F33040105 | 50 | 45 | 500 | A    | F33040111 | 50 | 50 | 300 | C    |

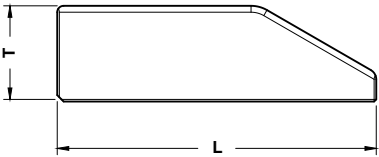
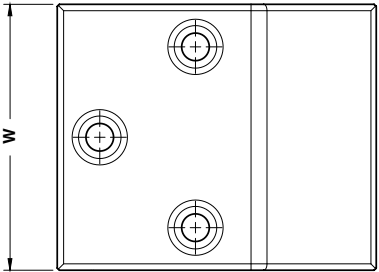
CAM DWELL WEAR PLATE STEEL  
ÜBERLAUFKEILE STAHL  
CUNEO IN ACCIAIO



Notes

Material: 42CrMo4  
HRC: 58÷60

STOCK



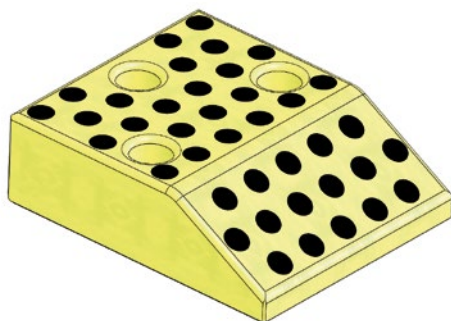
Standard Opel



OPEL CODE  
F33040140

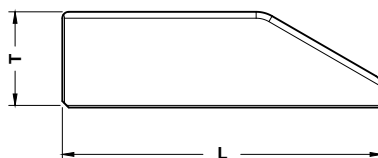
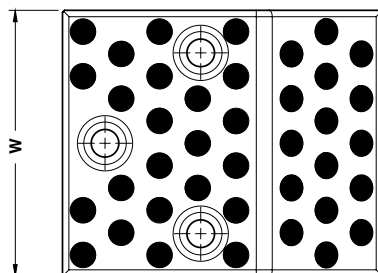
| OPEL CODE | L   | T  | W   |
|-----------|-----|----|-----|
| F33040139 | 125 | 30 | 100 |
| F33040140 | 125 | 30 | 125 |
| F33040141 | 125 | 30 | 160 |
| F33040142 | 150 | 45 | 100 |
| F33040143 | 150 | 45 | 125 |
| F33040144 | 150 | 45 | 160 |
| F33040145 | 170 | 60 | 100 |
| F33040146 | 170 | 60 | 125 |
| F33040147 | 170 | 60 | 160 |

**CAM DWELL WEAR PLATE SELF-LUBRICATING**  
**ÜBERLAUFKEILE BRONZE MIT FESTSCHMIERSTOFF**  
**CUNEO AUTOLUBRIFICANTE**


**Notes**

**Material:** Bronze + Graphite  
**HB** > 190

STOCK

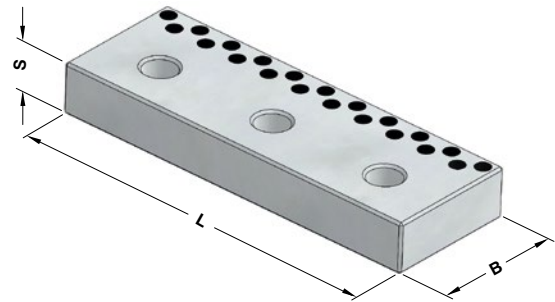


OPEL CODE

F33040149

| OPEL CODE | L   | T  | W   |
|-----------|-----|----|-----|
| F33040148 | 125 | 30 | 100 |
| F33040149 | 125 | 30 | 125 |
| F33040150 | 125 | 30 | 160 |
| F33040151 | 150 | 45 | 100 |
| F33040152 | 150 | 45 | 125 |
| F33040153 | 150 | 45 | 160 |
| F33040154 | 170 | 60 | 100 |
| F33040155 | 170 | 60 | 125 |
| F33040156 | 170 | 60 | 160 |

WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



Notes

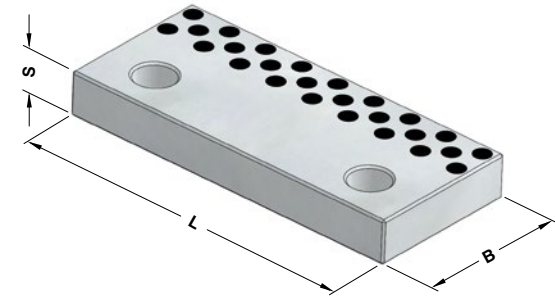
**Material:** CK45 + Graphite  
**HRC:** 58÷60



OPEL CODE  
F33040166

| OPEL CODE | B  | L   | S  | OPEL CODE | B  | L   | S  |
|-----------|----|-----|----|-----------|----|-----|----|
| F33040165 | 52 | 150 | 20 | F33040171 | 77 | 150 | 35 |
| F33040166 | 52 | 200 | 20 | F33040172 | 77 | 200 | 35 |
| F33040167 | 52 | 250 | 20 | F33040173 | 77 | 250 | 35 |
| F33040168 | 72 | 150 | 30 | F33040174 | 82 | 150 | 40 |
| F33040169 | 72 | 200 | 30 | F33040175 | 82 | 200 | 40 |
| F33040170 | 72 | 250 | 30 | F33040176 | 82 | 250 | 40 |

WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



Notes

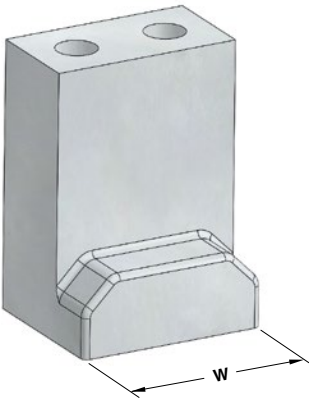
**Material:** CK45 + Graphite  
**HRC:** 58÷60



OPEL CODE  
F33040178

| OPEL CODE | B  | L   | S  | OPEL CODE | B  | L   | S  |
|-----------|----|-----|----|-----------|----|-----|----|
| F33040177 | 70 | 160 | 25 | F33040181 | 85 | 240 | 28 |
| F33040178 | 70 | 200 | 25 | F33040182 | 85 | 300 | 28 |
| F33040179 | 70 | 240 | 25 | F33040183 | 85 | 350 | 28 |
| F33040180 | 85 | 200 | 28 |           |    |     |    |

POSITIVE RETURN - ZWANGSRÜCKHOLER - GANCIO



Notes

**Material:** C45  
**HRC:** 58÷60

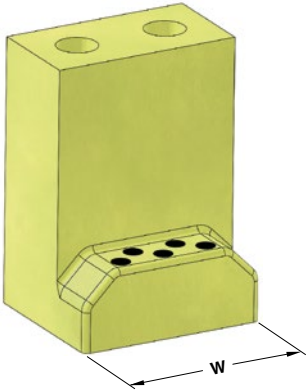
STOCK



OPEL CODE  
F33040289

| OPEL CODE | W  |
|-----------|----|
| F33040287 | 60 |
| F33040289 | 80 |

POSITIVE RETURN - ZWANGSRÜCKHOLER - GANCIO



Notes

**Material:** Bronze + Graphite  
**HB** > 190

STOCK



OPEL CODE  
F33040290

| OPEL CODE | W  |
|-----------|----|
| F33040288 | 60 |
| F33040290 | 80 |

WEAR PLATE SELF-LUBRICATING VDI 3357

GLEITPLATTE BRONZE MIT FESTSCHMIERSTOFF VDI 3357

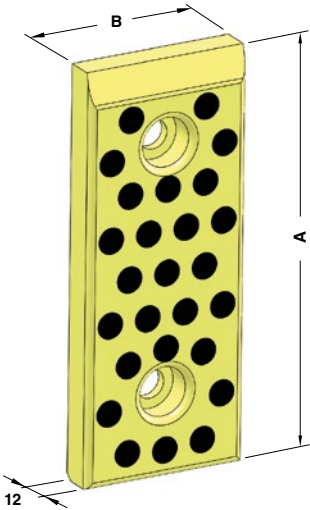
PIASTRA GUIDA AUTOLUBRIFICANTE VDI 3357

Notes

Material: Bronze + Graphite

HB > 190

STOCK

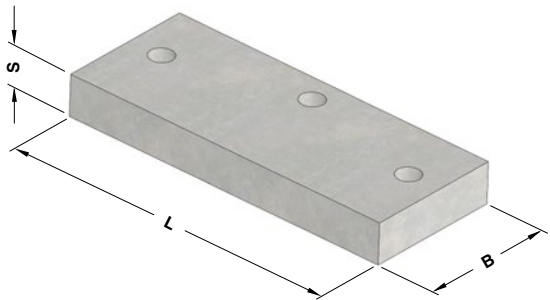


Standard Opel

|                                                 |           |
|-------------------------------------------------|-----------|
| <div>ORDER</div> <div>EXAMPLE</div> <div></div> | OPEL CODE |
|                                                 | F33040306 |

| OPEL CODE | B  | A   | OPEL CODE | B  | A   |
|-----------|----|-----|-----------|----|-----|
| F33040305 | 30 | 80  | F33040313 | 50 | 80  |
| F33040306 | 30 | 100 | F33040314 | 50 | 100 |
| F33040307 | 30 | 125 | F33040315 | 50 | 125 |
| F33040308 | 30 | 200 | F33040316 | 50 | 200 |
| F33040309 | 40 | 80  | F33040317 | 60 | 80  |
| F33040310 | 40 | 100 | F33040318 | 60 | 100 |
| F33040311 | 40 | 125 | F33040319 | 60 | 125 |
| F33040312 | 40 | 200 | F33040320 | 60 | 200 |

WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



Notes

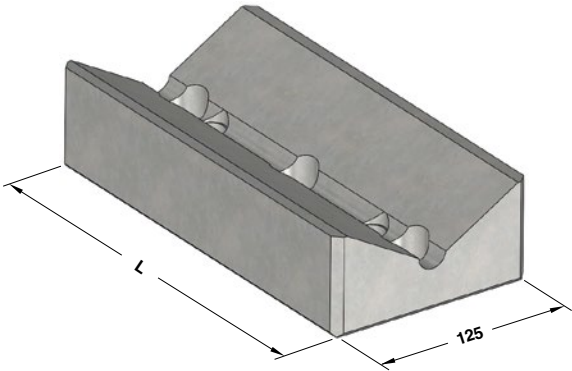
**Material:** 16MnCr5  
**HRC:** 58÷60



OPEL CODE  
F33050019

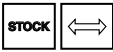
| OPEL CODE | B   | L   | S  | OPEL CODE | B   | L   | S  |
|-----------|-----|-----|----|-----------|-----|-----|----|
| F33050018 | 100 | 160 | 20 | F33050023 | 125 | 250 | 30 |
| F33050019 | 100 | 200 | 20 | F33050024 | 125 | 300 | 30 |
| F33050020 | 100 | 250 | 20 | F33050025 | 125 | 350 | 30 |
| F33050021 | 100 | 300 | 20 | F33050026 | 125 | 400 | 30 |
| F33050022 | 125 | 160 | 30 |           |     |     |    |

"V" DRIVER STEEL VDI 3357  
PRISMENFÜHRUNG STAHL VDI 3357  
GUIDA A "V" IN ACCIAIO VDI 3357



Notes

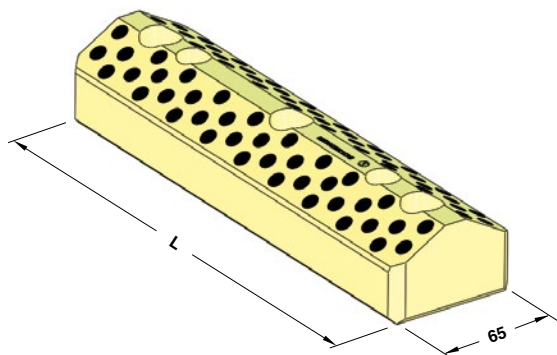
**Material:** CK45  
**HRC:** 58÷60



OPEL CODE  
F33050070

| OPEL CODE | L   |
|-----------|-----|
| F33050069 | 150 |
| F33050070 | 200 |
| F33050071 | 250 |
| F33050072 | 300 |

**"V" DRIVER SELF-LUBRICATING**  
**PRISMENFÜHRUNG BRONZE MIT FESTSCHMIERSTOFF**  
**GUIDA A "V" AUTOLUBRIFICANTE**

**Notes**

**Material:** Bronze + Graphite  
**HB** > 190

STOCK



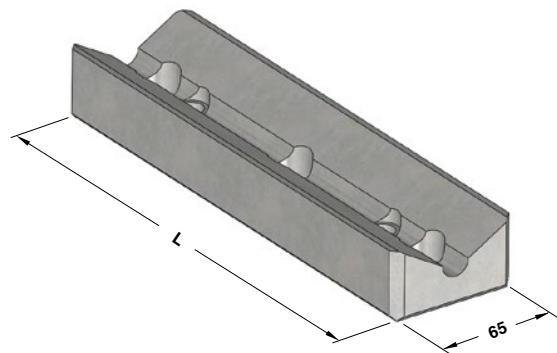
OPEL CODE

F33050082

| OPEL CODE | L   |
|-----------|-----|
| F33050081 | 150 |
| F33050082 | 200 |
| F33050083 | 250 |

Standard Opel

**"V" DRIVER STEEL - PRISMENFÜHRUNG STAHL - GUIDA A "V" IN ACCIAIO**

**Notes**

**Material:** CK45  
**HRC:** 58÷60

STOCK

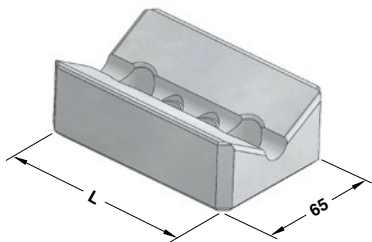


OPEL CODE

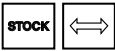
F33050085

| OPEL CODE | L   |
|-----------|-----|
| F33050084 | 150 |
| F33050085 | 200 |
| F33050086 | 250 |

"V" DRIVER STEEL - PRISMENFÜHRUNG - GUIDA A "V" IN ACCIAIO

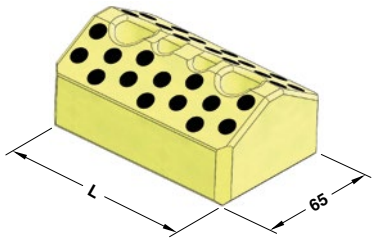


| Notes                 |
|-----------------------|
| <b>Material:</b> CK45 |
| <b>HRC:</b> 58÷60     |

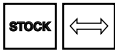


|           | OPEL CODE |
|-----------|-----------|
|           | F33050087 |
| OPEL CODE | L         |
| F33050087 | 100       |

"V" DRIVER SELF-LUBRICATING  
PRISMENFÜHRUNG BRONZE MIT FESTSCHMIERSTOFF  
GUIDA A "V" AUTOLUBRIFICANTE

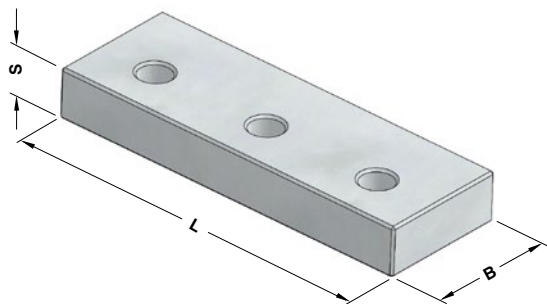


| Notes                              |
|------------------------------------|
| <b>Material:</b> Bronze + Graphite |
| <b>HB</b> > 190                    |



|           | OPEL CODE |
|-----------|-----------|
|           | F33050088 |
| OPEL CODE | L         |
| F33050088 | 100       |

## WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



## Notes

**Material:** CK45**HRC:** 58÷60

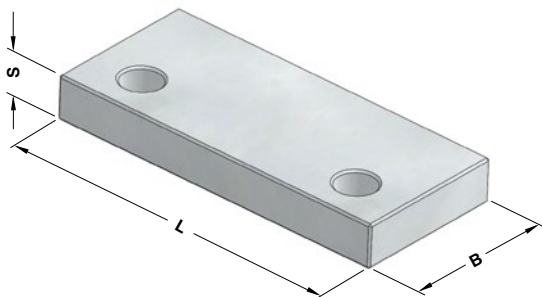
OPEL CODE

F33050090

| OPEL CODE | B  | L   | S  | OPEL CODE | B  | L   | S  |
|-----------|----|-----|----|-----------|----|-----|----|
| F33050089 | 52 | 150 | 20 | F33050095 | 77 | 150 | 35 |
| F33050090 | 52 | 200 | 20 | F33050096 | 77 | 200 | 35 |
| F33050091 | 52 | 250 | 20 | F33050097 | 77 | 250 | 35 |
| F33050092 | 72 | 150 | 30 | F33050098 | 82 | 150 | 40 |
| F33050093 | 72 | 200 | 30 | F33050099 | 82 | 200 | 40 |
| F33050094 | 72 | 250 | 30 | F33050100 | 82 | 250 | 40 |

Standard Opel

## WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



## Notes

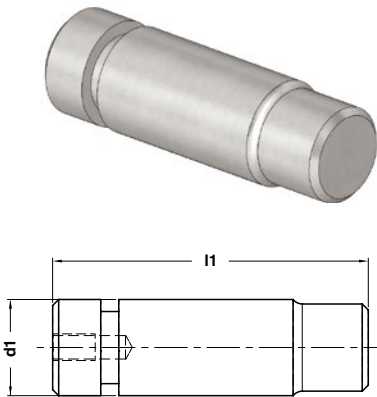
**Material:** CK45**HRC:** 58÷60

OPEL CODE

F33050102

| OPEL CODE | B  | L   | S  | OPEL CODE | B  | L   | S  |
|-----------|----|-----|----|-----------|----|-----|----|
| F33050101 | 70 | 160 | 25 | F33050105 | 85 | 240 | 28 |
| F33050102 | 70 | 200 | 25 | F33050106 | 85 | 300 | 28 |
| F33050103 | 70 | 240 | 25 | F33050107 | 85 | 350 | 28 |
| F33050104 | 85 | 200 | 28 |           |    |     |    |

PAD RETAINER PIN - STECKBOLZEN - PERNO DI ARRESTO



Notes

**Material:** 42CrMo4  
900÷1000 N/mm<sup>2</sup>

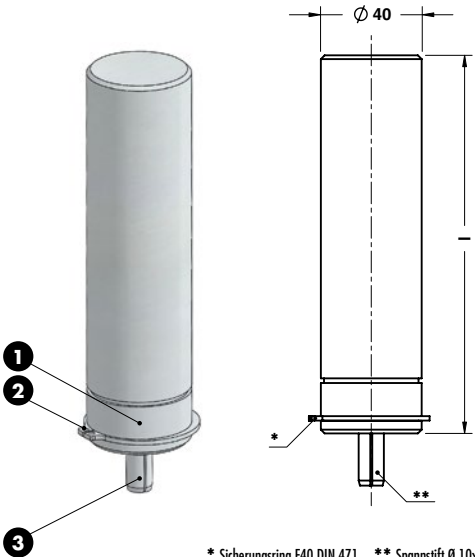
STOCK



OPEL CODE  
F33150012

| OPEL CODE | d1 | l1  |
|-----------|----|-----|
| F33150011 | 32 | 130 |
| F33150012 | 40 | 155 |
| F33150013 | 50 | 185 |
| F33150014 | 56 | 190 |
| F33150015 | 63 | 210 |

AERIAL PIN - LUFTBOLZEN - CANDELA



Notes

- 1 **Material:** CK45
- 2 E Ring E40 - DIN 471
- 3 Elastic Pin Ø10x35 - DIN 8752

STOCK

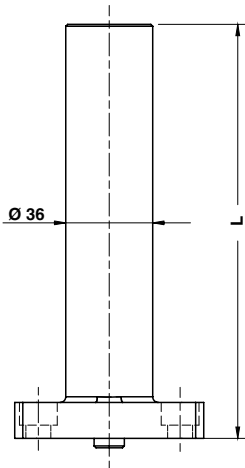
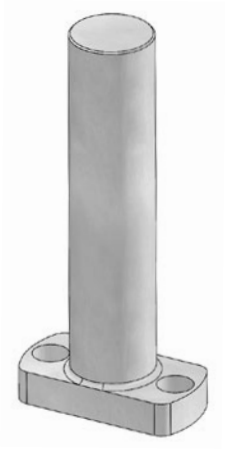


OPEL CODE  
F33150038

| OPEL CODE | l   |
|-----------|-----|
| F33150037 | 125 |
| F33150038 | 150 |
| F33150039 | 175 |
| F33150040 | 200 |
| F33150041 | 225 |
| F33150042 | 250 |
| F33150043 | 275 |
| F33150044 | 300 |

\* Sicherungsring E40 DIN 471      \*\* Spannstift Ø 10x35 DIN 8752  
Anello elastico E40 DIN 471      Spina elastica Ø 10x35 DIN 8752

AIR PIN - DRUCKBOLZEN - CANDELA



Notes

**Material:** CK45  
800÷1000 N/mm<sup>2</sup>



OPEL CODE  
F33150046

| OPEL CODE |  | L   |
|-----------|--|-----|
| F33150045 |  | 150 |
| F33150046 |  | 175 |
| F33150047 |  | 200 |
| F33150048 |  | 225 |

Standard Opel

LOCATING PIN - ZENTRIERBOLZEN - CENTRAGGIO



Notes

**Material:** 16MnCr5  
**HRC:** 56÷60



OPEL CODE  
F33150061

| OPEL CODE |  | d  |
|-----------|--|----|
| F33150060 |  | 40 |
| F33150061 |  | 50 |

## LIFTING PIN OPEL-GM

## TRAGBOLZEN MIT FALLRINGSICHERUNG OPEL-GM NORM

## PERNO DI SOLLEVAMENTO OPEL-GM



Respect the max load  
Maximale Nutzlast beachten  
Rispettare il carico Max

**WARNING - ACHTUNG - ATTENZIONE:**

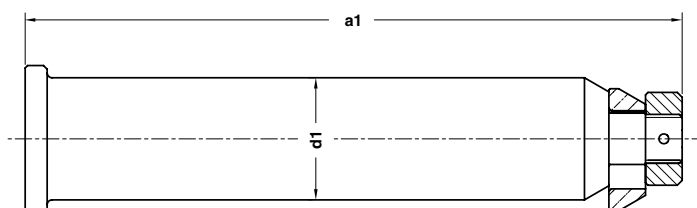
For safety reason, please consider always that the weight of the die has to be supported by just 2 lifting pins.

Aus Sicherheitsgründen stets berücksichtigen, dass zwei Tragbolzen das gesamte Werkzeuggewicht tragen müssen.

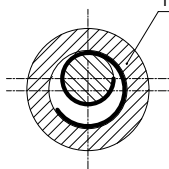
Per ragioni di sicurezza, considerare sempre che il peso dello stampo deve essere sopportato da 2 soli perni.

**Notes**

**Material:** 42CrMo4 + QT



The part is supplied complete of steel spring

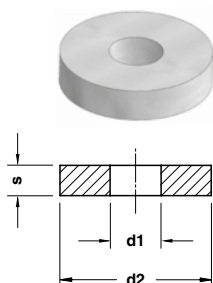


**OPEL CODE**

**F33150088**

| OPEL CODE | a1  | d1 | Max load (kg) | Max die weight (kg) |
|-----------|-----|----|---------------|---------------------|
| F33150087 | 177 | 32 | 3400          | 6800                |
| F33150088 | 220 | 40 | 5650          | 11300               |
| F33150089 | 270 | 50 | 8950          | 17900               |
| F33150090 | 342 | 63 | 14350         | 28700               |
| F33150091 | 387 | 80 | 26700         | 53400               |

## FIXING PLATE - BEFESTIGUNGSPLATTE - PIASTRA DI FISSAGGIO



## Notes

Material: CK45

STOCK

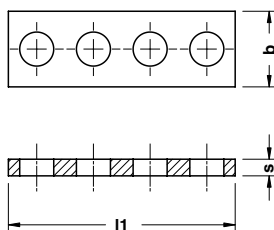


OPEL CODE

F33160107

| OPEL CODE | d1 | d2 | s  |
|-----------|----|----|----|
| F33160106 | 21 | 70 | 10 |
| F33160107 | 25 | 80 | 15 |

## DISTANCE PLATE - ABSTIMMSCHEIBE - DISTANZIALE



## Notes

Material: St37

STOCK



OPEL CODE

F33160109

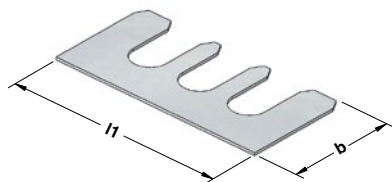
| OPEL CODE | b  | l1 | s   | OPEL CODE | b    | l1 | s   |
|-----------|----|----|-----|-----------|------|----|-----|
| F33160108 | 20 | 60 | 4,4 | F33160122 | 12,5 | 42 | 4,4 |
| F33160109 | 20 | 60 | 4,6 | F33160123 | 12,5 | 42 | 4,6 |
| F33160110 | 20 | 60 | 4,8 | F33160124 | 12,5 | 42 | 4,8 |
| F33160111 | 20 | 60 | 5,0 | F33160125 | 12,5 | 42 | 5,0 |
| F33160112 | 20 | 60 | 5,2 | F33160126 | 12,5 | 42 | 5,2 |
| F33160113 | 20 | 60 | 5,4 | F33160127 | 12,5 | 42 | 5,4 |
| F33160114 | 20 | 60 | 5,6 | F33160128 | 12,5 | 42 | 5,6 |
| F33160115 | 16 | 65 | 4,4 | F33160199 | 12,5 | 42 | 5,8 |
| F33160116 | 16 | 65 | 4,6 | F33160200 | 12,5 | 42 | 7,8 |
| F33160117 | 16 | 65 | 4,8 | F33160201 | 16   | 65 | 5,8 |
| F33160118 | 16 | 65 | 5,0 | F33160202 | 16   | 65 | 7,8 |
| F33160119 | 16 | 65 | 5,2 | F33160203 | 20   | 60 | 5,8 |
| F33160120 | 16 | 65 | 5,4 | F33160204 | 20   | 60 | 7,8 |
| F33160121 | 16 | 65 | 5,6 |           |      |    |     |

## SHIM PLATE - AUSGLEICHBLECHE - PIASTRA DI SPESSORAMENTO

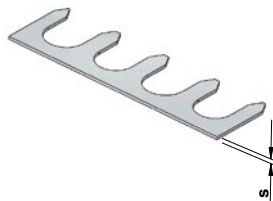
## Notes

Material: St37

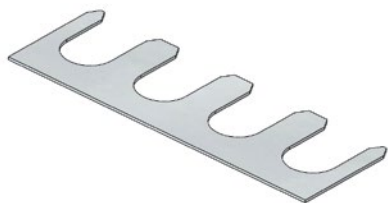
STOCK



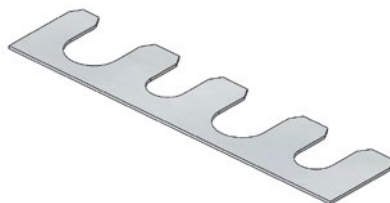
FORM A



FORM B



FORM C



FORM D

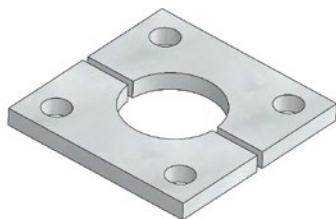


OPEL CODE

F33160158

| OPEL CODE | b  | l1 | s   | FORM | OPEL CODE | b    | l1 | s   | FORM |
|-----------|----|----|-----|------|-----------|------|----|-----|------|
| F33160157 | 20 | 60 | 0,5 | C    | F33160169 | 15   | 40 | 0,5 | A    |
| F33160158 | 20 | 60 | 1   | C    | F33160170 | 15   | 40 | 1   | A    |
| F33160159 | 20 | 60 | 2   | C    | F33160171 | 15   | 40 | 2   | A    |
| F33160160 | 20 | 45 | 0,5 | A    | F33160172 | 20   | 52 | 0,5 | A    |
| F33160161 | 20 | 45 | 1   | A    | F33160173 | 20   | 52 | 1   | A    |
| F33160162 | 20 | 45 | 2   | A    | F33160174 | 20   | 52 | 2   | A    |
| F33160163 | 15 | 45 | 0,5 | A    | F33160183 | 12,4 | 42 | 0,5 | B    |
| F33160164 | 15 | 45 | 1   | A    | F33160184 | 12,4 | 42 | 1   | B    |
| F33160165 | 15 | 45 | 2   | A    | F33160185 | 12,4 | 42 | 2   | B    |
| F33160166 | 20 | 40 | 0,5 | A    | F33160186 | 15,8 | 65 | 0,5 | D    |
| F33160167 | 20 | 40 | 1   | A    | F33160187 | 15,8 | 65 | 1   | D    |
| F33160168 | 20 | 40 | 2   | A    | F33160188 | 15,8 | 65 | 2   | D    |

## FASTENING PLATES - HALTEPLATTE - PIASTRE DI RITEGNO



## Notes

Material: St37

STOCK



OPEL CODE

F33160218

OPEL CODE

F33160218

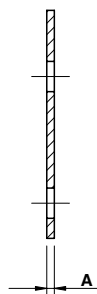
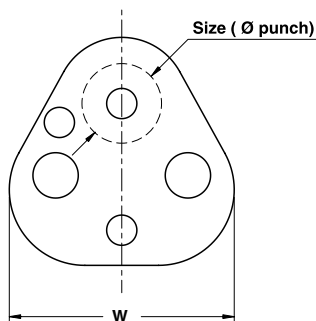
## SHIM PUNCH RETAINER - DRUCKPLATTE - SPESSORE PER PORTAPUNZONE



## Notes

Material: C20

STOCK



OPEL CODE

F33160231

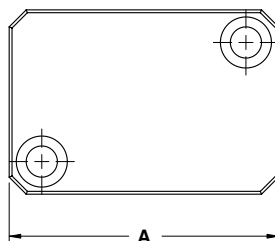
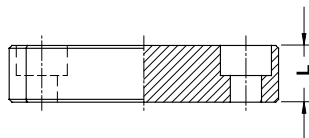
| OPEL CODE | A | W    | Size | OPEL CODE | A | W    | Size | OPEL CODE | A | W    | Size |
|-----------|---|------|------|-----------|---|------|------|-----------|---|------|------|
| F33160230 | 2 | 43,7 | 10   | F33160237 | 4 | 53,2 | 16   | F33160244 | 6 | 69,1 | 25   |
| F33160231 | 4 | 43,7 | 10   | F33160238 | 6 | 53,2 | 16   | F33160245 | 2 | 69,1 | 32   |
| F33160232 | 6 | 43,7 | 10   | F33160239 | 2 | 59,5 | 20   | F33160246 | 4 | 69,1 | 32   |
| F33160233 | 2 | 50,0 | 13   | F33160240 | 4 | 59,5 | 20   | F33160247 | 6 | 69,1 | 32   |
| F33160234 | 4 | 50,0 | 13   | F33160241 | 6 | 59,5 | 20   | F33160248 | 2 | 76,7 | 40   |
| F33160235 | 6 | 50,0 | 13   | F33160242 | 2 | 69,1 | 25   | F33160249 | 4 | 76,7 | 40   |
| F33160236 | 2 | 53,2 | 16   | F33160243 | 4 | 69,1 | 25   | F33160250 | 6 | 76,7 | 40   |

## STRIKER PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO

## Notes

**Material:** 16MnCr5**HRC:** 60÷63

STOCK



OPEL CODE

F33160227

| OPEL CODE | A   | L  | OPEL CODE | A  | L  | OPEL CODE | A   | L  | OPEL CODE | A   | L  | OPEL CODE | A   | L  |
|-----------|-----|----|-----------|----|----|-----------|-----|----|-----------|-----|----|-----------|-----|----|
| F33160226 | 50  | 20 | F33160277 | 80 | 23 | F33160286 | 95  | 35 | F33160327 | 80  | 22 | F33160336 | 130 | 20 |
| F33160227 | 80  | 20 | F33160278 | 80 | 26 | F33160287 | 110 | 23 | F33160328 | 80  | 24 | F33160337 | 130 | 22 |
| F33160228 | 95  | 20 | F33160279 | 80 | 29 | F33160288 | 110 | 26 | F33160329 | 80  | 28 | F33160338 | 130 | 23 |
| F33160229 | 110 | 20 | F33160280 | 80 | 32 | F33160289 | 110 | 29 | F33160330 | 95  | 22 | F33160339 | 130 | 24 |
| F33160272 | 50  | 23 | F33160281 | 80 | 35 | F33160290 | 110 | 32 | F33160331 | 95  | 24 | F33160340 | 130 | 26 |
| F33160273 | 50  | 26 | F33160282 | 95 | 23 | F33160291 | 110 | 35 | F33160332 | 95  | 28 | F33160341 | 130 | 28 |
| F33160274 | 50  | 29 | F33160283 | 95 | 26 | F33160324 | 50  | 22 | F33160333 | 110 | 22 | F33160342 | 130 | 29 |
| F33160275 | 50  | 32 | F33160284 | 95 | 29 | F33160325 | 50  | 24 | F33160334 | 110 | 24 | F33160343 | 130 | 32 |
| F33160276 | 50  | 35 | F33160285 | 95 | 32 | F33160326 | 50  | 28 | F33160335 | 110 | 28 | F33160344 | 130 | 35 |

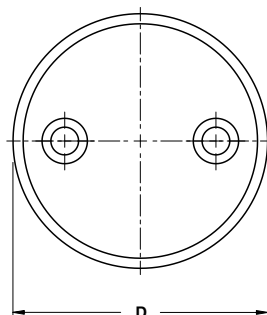
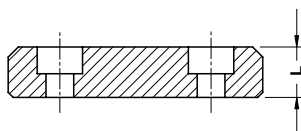
## STRIKER PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO

### Notes

**Material:** 42CrMo4

**HRC:** 48÷55

STOCK



Standard Opel



OPEL CODE

F33160346

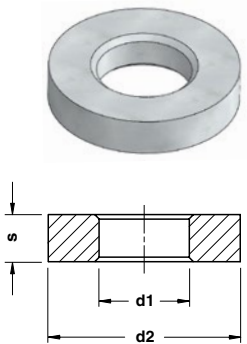
| OPEL CODE | D  | L  | OPEL CODE | D   | L  | OPEL CODE | D   | L  |
|-----------|----|----|-----------|-----|----|-----------|-----|----|
| F33160345 | 63 | 20 | F33160354 | 101 | 20 | F33160363 | 133 | 20 |
| F33160346 | 63 | 22 | F33160355 | 101 | 22 | F33160364 | 133 | 22 |
| F33160347 | 63 | 23 | F33160356 | 101 | 23 | F33160365 | 133 | 23 |
| F33160348 | 63 | 24 | F33160357 | 101 | 24 | F33160366 | 133 | 24 |
| F33160349 | 63 | 26 | F33160358 | 101 | 26 | F33160367 | 133 | 26 |
| F33160350 | 63 | 28 | F33160359 | 101 | 28 | F33160368 | 133 | 28 |
| F33160351 | 63 | 29 | F33160360 | 101 | 29 | F33160369 | 133 | 29 |
| F33160352 | 63 | 32 | F33160361 | 101 | 32 | F33160370 | 133 | 32 |
| F33160353 | 63 | 35 | F33160362 | 101 | 35 | F33160371 | 133 | 35 |

WASHER - SCHEIBE - RONDELLA

Notes

Material: CK45

STOCK



OPEL CODE  
F33180008

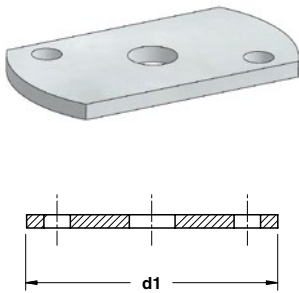
| OPEL CODE | d1 | d2   | s   |
|-----------|----|------|-----|
| F33180007 | 6  | 16   | 3.5 |
| F33180008 | 12 | 24.5 | 5   |
| F33180009 | 16 | 32   | 6.5 |
| F33180010 | 20 | 40   | 8   |
| F33180011 | 24 | 50   | 10  |
| F33180012 | 30 | 60   | 12  |

DISTANCE PLATE - ABSTIMMSCHEIBE - DISTANZIALE

Notes

Material: CK45

STOCK



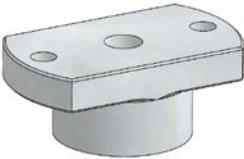
OPEL CODE  
F33180021

| OPEL CODE | d1  |
|-----------|-----|
| F33180020 | 105 |
| F33180021 | 125 |

LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO



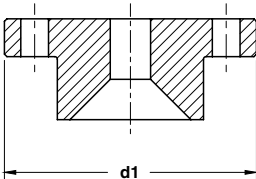
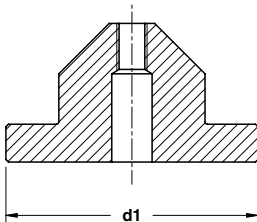
FORM A



FORM B

Notes

**Material:** 16MnCr5  
**HRC:** 60÷62

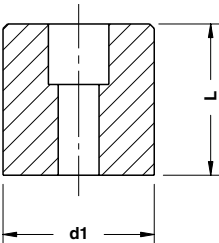


OPEL CODE  
F33190004

| OPEL CODE | d1  | FORM |
|-----------|-----|------|
| F33190003 | 100 | B    |
| F33190004 | 120 | B    |
| F33190037 | 100 | A    |
| F33190038 | 120 | A    |

Standard Opel

SPACER - DISTANZSTÜCK - DISTANZIALE



Notes

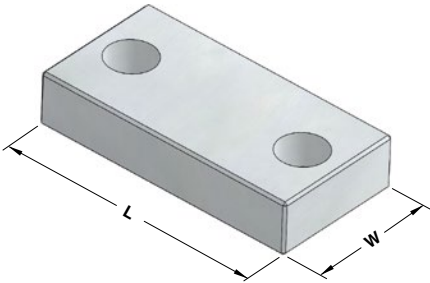
**Material:** CK45



OPEL CODE  
F33190006

| OPEL CODE | d1  | L   |
|-----------|-----|-----|
| F33190005 | 50  | 50  |
| F33190006 | 80  | 50  |
| F33190025 | 100 | 50  |
| F33190026 | 80  | 160 |

BOTTOMING BLOCK - ABSTANDBLOCK - DISTANZIALE



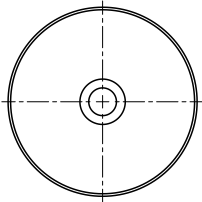
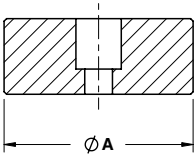
Notes

Material: CK45

STOCK

|                                                 |           |    |
|-------------------------------------------------|-----------|----|
| <div>ORDER</div> <div>EXAMPLE</div> <div></div> | OPEL CODE |    |
|                                                 | F33190032 |    |
| OPEL CODE                                       | L         | W  |
| F33190031                                       | 100       | 30 |
| F33190032                                       | 100       | 40 |
| F33190033                                       | 80        | 40 |
| F33190034                                       | 100       | 50 |

SPACER - DISTANZSTÜCK - DISTANZIALE



Notes

Material: CK45

STOCK

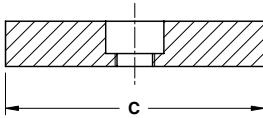
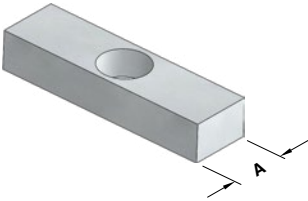
|                                                 |           |  |
|-------------------------------------------------|-----------|--|
| <div>ORDER</div> <div>EXAMPLE</div> <div></div> | OPEL CODE |  |
|                                                 | F33190036 |  |
| OPEL CODE                                       | A         |  |
| F33190035                                       | 50        |  |
| F33190036                                       | 75        |  |

KEY - PASSFEDER - CHIAVETTA

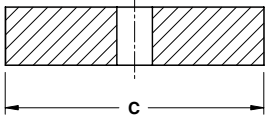
Notes

Material: CK45

STOCK



FORM A



FORM B

Standard Opel



OPEL CODE

F33200010

| OPEL CODE | A  | C   | FORM | OPEL CODE | A  | C  | FORM | OPEL CODE | A  | C   | FORM |
|-----------|----|-----|------|-----------|----|----|------|-----------|----|-----|------|
| F33200009 | 22 | 50  | A    | F33200018 | 25 | 50 | A    | F33200025 | 32 | 100 | B    |
| F33200010 | 22 | 80  | A    | F33200019 | 25 | 80 | A    | F33200026 | 25 | 100 | A    |
| F33200011 | 22 | 100 | A    | F33200023 | 32 | 50 | B    | F33200033 | 32 | 100 | A    |
| F33200017 | 20 | 80  | A    | F33200024 | 32 | 80 | B    |           |    |     |      |

## ROLLER CAM UNIT - ROLLENSCHIEBER - CAMMA A RULLO

## Notes

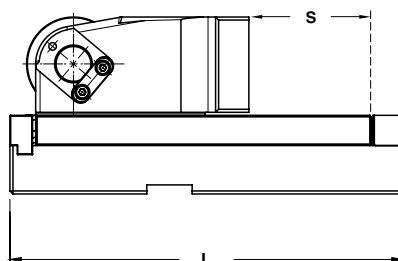
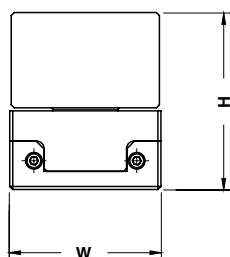
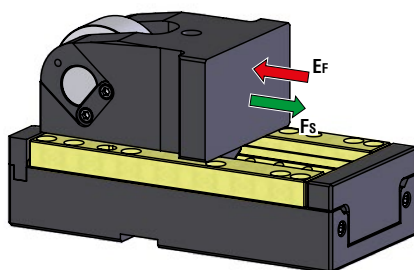
For technical info see pages 860÷897

STOCK



WEB

WEB

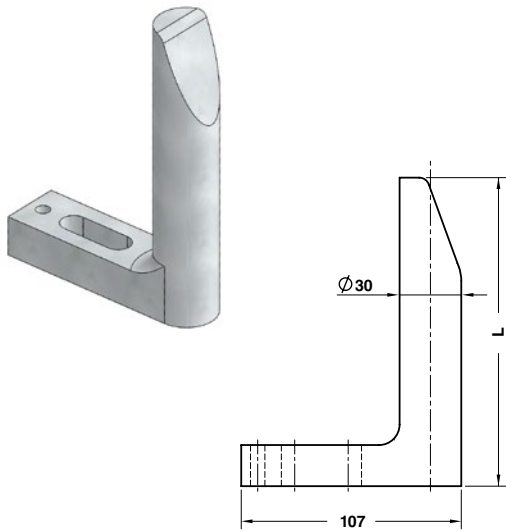


OPEL CODE

F33220333

| OPEL CODE | L   | H   | W   | Stroke (mm)<br>S | Max Work Force (kN) | Extraction Force (kN) |
|-----------|-----|-----|-----|------------------|---------------------|-----------------------|
|           |     |     |     |                  | Fs                  | Ef<br>Gas Spring      |
| F33220332 | 200 | 117 | 98  | 50               | 76                  | 2,86                  |
| F33220333 | 230 | 117 | 98  | 80               | 76                  | 2,89                  |
| F33220334 | 260 | 117 | 98  | 100              | 76                  | 3,09                  |
| F33220335 | 200 | 140 | 118 | 50               | 162                 | 6,5                   |
| F33220336 | 230 | 140 | 118 | 80               | 162                 | 6,62                  |
| F33220337 | 260 | 140 | 118 | 100              | 162                 | 7,26                  |
| F33220338 | 220 | 165 | 170 | 50               | 166                 | 6,36                  |
| F33220339 | 250 | 165 | 170 | 80               | 166                 | 6,43                  |
| F33220340 | 270 | 165 | 170 | 100              | 166                 | 6,46                  |
| F33220341 | 250 | 205 | 240 | 50               | 258                 | 9,29                  |
| F33220342 | 280 | 205 | 240 | 80               | 258                 | 9,36                  |
| F33220343 | 300 | 205 | 240 | 100              | 258                 | 9,38                  |

GAGE - EINWEISER - RIFERIMENTO



Notes

Material: CK60

STOCK

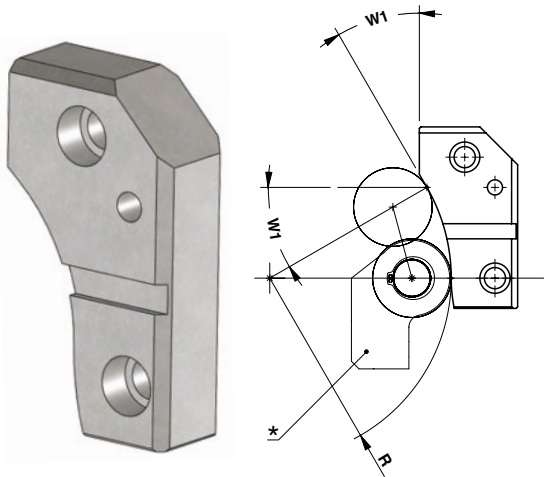


OPEL CODE  
F33260005

| OPEL CODE |  | L   |
|-----------|--|-----|
| F33260004 |  | 65  |
| F33260005 |  | 90  |
| F33260006 |  | 120 |
| F33260007 |  | 150 |
| F33260008 |  | 180 |
| F33260009 |  | 250 |
| F33260396 |  | 300 |
| F33260397 |  | 350 |

Standard Opel

ACCELERATION CAM - SCHIEBERVORBESCHLEUNIGUNG - CAMMA DI ACCELERAZIONE



\* Cam roller  
Rollenbock  
Supporto con rullo

Notes

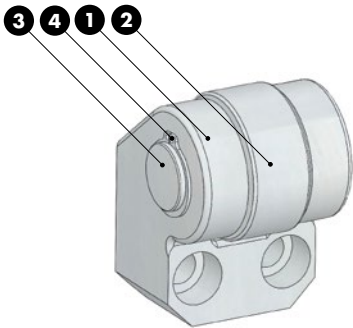
Materials: 90MnCrV8 - HRC 60÷62



OPEL CODE  
F33260015

| OPEL CODE | R   | W1    |
|-----------|-----|-------|
| F33260014 | 90  | 40°   |
| F33260015 | 90  | 37.5° |
| F33260016 | 100 | 37.5° |
| F33260017 | 100 | 35°   |
| F33260020 | 75  | 42.5° |
| F33260021 | 75  | 45°   |
| F33260022 | 75  | 47.5° |
| F33260023 | 65  | 50°   |
| F33260024 | 65  | 52.5° |

CAM ROLLER - ROLLENBOCK - SUPPORTO CON RULLO



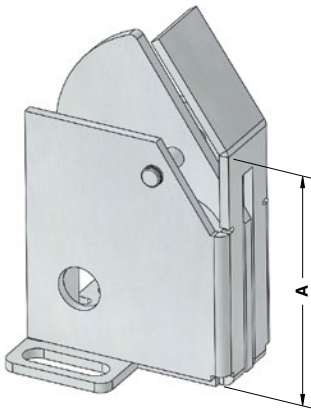
Notes

- 1 **Material:** 42CrMo4
- 2 NUTR 25-52
- 3 **Material:** 16MnCr5  
**HRC:** 60÷62
- 4 E25 DIN 471



|           |           |
|-----------|-----------|
|           | OPEL CODE |
|           | F33260032 |
| OPEL CODE |           |
| F33260032 |           |

FRONT GAGE - EINLAUFANSCHLAG - PORTASENSORE



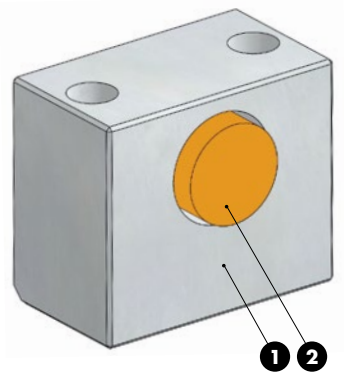
Notes

**Material:** Si37

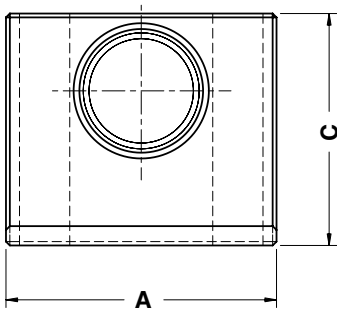
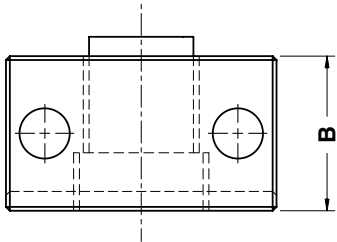


|           |           |
|-----------|-----------|
|           | OPEL CODE |
|           | F33260204 |
| OPEL CODE |           |
| A         |           |
| F33260203 | 75        |
| F33260204 | 100       |
| F33260205 | 150       |

SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA



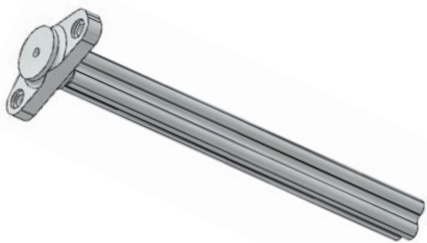
- Notes
- 1 Material: CK45
  - 2 Material: Elastomer 90 SH



Standard Opel

|           | OPEL CODE |    |    |
|-----------|-----------|----|----|
|           | F33260264 |    |    |
| OPEL CODE | A         | B  | C  |
| F33260223 | 80        | 80 | 70 |
| F33260264 | 80        | 40 | 70 |
| F33260342 | 70        | 40 | 60 |

STAMP RACK PILLAR - MARKIERSTEMPELKONSOLE - COLONNA PORTATIMBRI



Notes

Material: CK45

STOCK



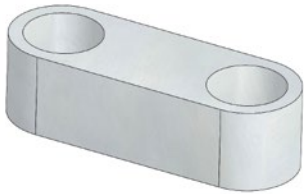
OPEL CODE

F33290002

OPEL CODE

F33290002

COUNTER-PRESSURE PLATE - GEGENDRUCKPLATTE - PIASTRINA DI REAZIONE



Notes

Material: Si37

STOCK



OPEL CODE

F33290041

OPEL CODE

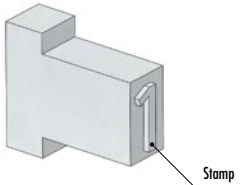
F33290041

STAMP - BUCHSTABENSTEMPEL - PUNZONE MARCHIO

Notes

**Material:** 90MnCrV8  
**HRC:** 60÷64

STOCK



OPEL CODE

F33290044

| OPEL CODE | Stamp | OPEL CODE | Stamp | OPEL CODE | Stamp | OPEL CODE | Stamp |
|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
| F33290043 | 0     | F33290052 | 9     | F33290150 | J     | F33290159 | U     |
| F33290044 | 1     | F33290142 | A     | F33290151 | K     | F33290160 | V     |
| F33290045 | 2     | F33290143 | B     | F33290152 | L     | F33290161 | W     |
| F33290046 | 3     | F33290144 | C     | F33290153 | M     | F33290162 | X     |
| F33290047 | 4     | F33290145 | D     | F33290154 | N     | F33290163 | Y     |
| F33290048 | 5     | F33290146 | E     | F33290155 | P     | F33290164 | Z     |
| F33290049 | 6     | F33290147 | F     | F33290156 | R     |           |       |
| F33290050 | 7     | F33290148 | G     | F33290157 | S     |           |       |
| F33290051 | 8     | F33290149 | H     | F33290158 | T     |           |       |

STAMP - BUCHSTABENSTEMPEL - MARCHIO

Notes

**Material:** 90MnCrV8  
**HRC:** 60÷64

STOCK



OPEL CODE

F33290063

OPEL CODE

F33290063

VISUAL LOCATOR PUNCH - ENDKONTROLLSTEMPEL - PUNZONE DI VISUALIZZAZIONE



Notes

**Material:** X155CrVMo121KU  
**HRC:** 60÷64

STOCK

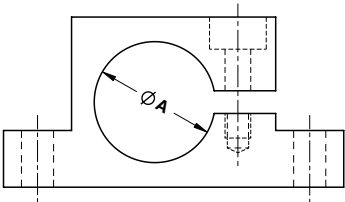
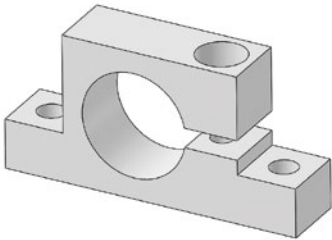


OPEL CODE  
F33290068

OPEL CODE

F33290068

CLAMPING FLANGE FOR GAS SPRINGS  
KLEMMFLANSCH FÜR GASDRUCKFEDERN  
SUPPORTO PER MOLLE A GAS



Notes

**Material:** CK45

STOCK



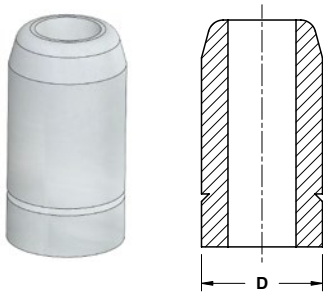
OPEL CODE  
F33310015

OPEL CODE

A

|           |        |
|-----------|--------|
| F33310014 | 32.35  |
| F33310015 | 38.35  |
| F33310016 | 45.35  |
| F33310017 | 50.35  |
| F33310018 | 75.35  |
| F33310019 | 95.35  |
| F33310020 | 120.35 |
| F33310021 | 150.35 |
| F33310022 | 195.35 |

URETHANE SPRING RETAINER - ELASTOMERHALTERUNG - RITEGNO PER ELASTOMERO



Notes

Material: CK25

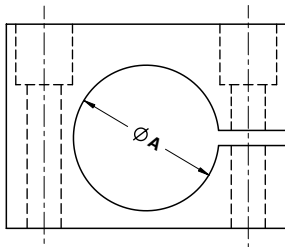
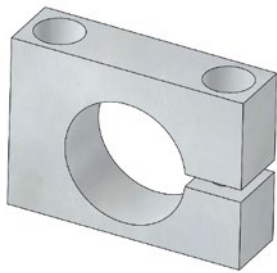
STOCK



OPEL CODE  
F33310024

| OPEL CODE | D  |
|-----------|----|
| F33310023 | 16 |
| F33310024 | 24 |

CLAMPING FLANGE FOR GAS SPRINGS  
KLEMMFLANSCH FÜR GASDRUCKFEDERN  
SUPPORTO PER MOLLE A GAS



Notes

Material: CK45

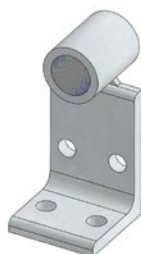
STOCK



OPEL CODE  
F33310030

| OPEL CODE | A     |
|-----------|-------|
| F33310029 | 32.5  |
| F33310030 | 38.5  |
| F33310031 | 45.5  |
| F33310032 | 50.5  |
| F33310033 | 75.5  |
| F33310034 | 95.5  |
| F33310035 | 120.5 |
| F33310036 | 150.5 |

## AIR COUPLING BRACKET - LUFTANSCHLUSSBLOCK - SUPPORTO INNESTI RAPIDI



## Notes

Material: Si37

STOCK



OPEL CODE

F33910001

OPEL CODE

F33910001

## AIR COUPLING BRACKET - LUFTANSCHLUSSBLOCK - SUPPORTO INNESTI RAPIDI



## Notes

Material: Si37

STOCK



OPEL CODE

F33910002

OPEL CODE

F33910002

## AIR COUPLING BRACKET - LUFTANSCHLUSSBLOCK - SUPPORTO INNESTI RAPIDI



## Notes

Material: Si37

STOCK



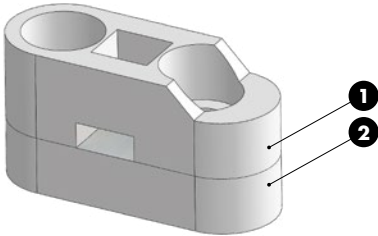
OPEL CODE

F33910003

OPEL CODE

F33910003

RETAINER FOR STAMPS - HALTEPLATTE - PORTATIMBRI



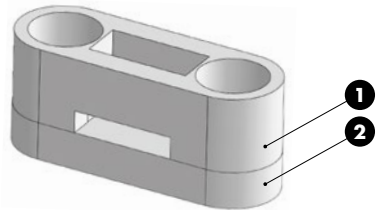
| Notes |                                   |
|-------|-----------------------------------|
| 1     | F33290065 - <b>Material:</b> Si37 |
| 2     | F33290066 - <b>Material:</b> CK45 |



|           |           |
|-----------|-----------|
|           | OPEL CODE |
|           | F33910043 |
| OPEL CODE |           |
| F33910043 |           |

Standard Opel

RETAINER FOR STAMPS - HALTEPLATTE - PORTATIMBRI

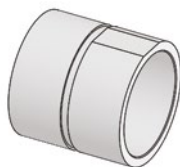


| Notes |                                   |
|-------|-----------------------------------|
| 1     | F33290039 - <b>Material:</b> CK45 |
| 2     | F33290040 - <b>Material:</b> CK45 |

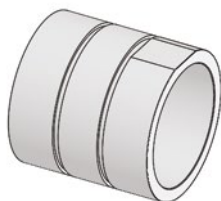
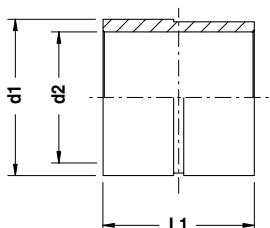


|           |           |
|-----------|-----------|
|           | OPEL CODE |
|           | F33910044 |
| OPEL CODE |           |
| F33910044 |           |

## BUSH FOR LIFTING PIN - BUCHSE FÜR TRAGBOLZEN - BOCCOLA PER PERNO DI SOLLEVAMENTO



FORM A



FORM B

## Notes

Material: Si35

STOCK



## OPEL CODE

F33910111

| OPEL CODE | d1  | d2 | L1  | FORM |
|-----------|-----|----|-----|------|
| F33910110 | 44  | 34 | 40  | A    |
| F33910111 | 52  | 42 | 50  | A    |
| F33910112 | 62  | 52 | 60  | A    |
| F33910113 | 75  | 65 | 80  | A    |
| F33910114 | 75  | 65 | 75  | A    |
| F33910115 | 100 | 82 | 100 | B    |

## SENSOR MOUNTING BRACKET - SENSORHALTERUNGEN - STAFFA PER SENSORE



J06910069



J06910070

## Notes

Material: Si37

STOCK



## OPEL CODE

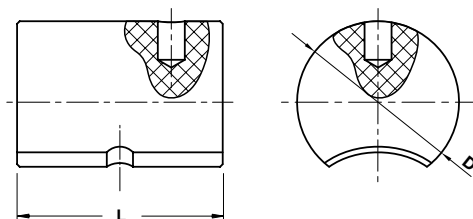
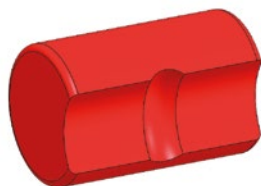
J06910070

## OPEL CODE

J06910069

J06910070

## SHOCK ABSORBER - HALTEELEMENT - AMMORTIZZATORE



### Notes

**Material:** Polyurethane 92 SH

STOCK



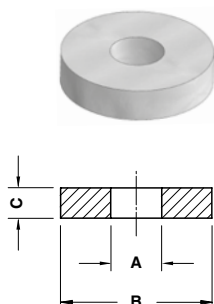
| OPEL CODE |    |    |
|-----------|----|----|
| M16045183 |    |    |
| OPEL CODE | D  | L  |
| M16045182 | 40 | 60 |
| M16045183 | 50 | 80 |
| M16045184 | 63 | 80 |

Standard Opel

# M3660

# OMCR

## WASHER - SCHEIBE - RONDELLA



### Notes

**Material:** CK45

STOCK



| OPEL CODE |      |    |   |
|-----------|------|----|---|
| M36600071 |      |    |   |
| OPEL CODE | A    | B  | C |
| M36600070 | 8,4  | 21 | 4 |
| M36600071 | 10,5 | 25 | 4 |
| M36600072 | 13   | 30 | 6 |
| M36600073 | 17   | 40 | 6 |

