





Die Components Normalien Componenti



OMCR[®]
STANDARD DIE COMPONENTS

2018.01

F3301	F33010001-0049	F33010038-0059	F33010060-0076	F3302
				
	Guide post Führungssäule Colonna guida	Guide post Führungssäule Colonna guida	Guide post Führungssäule Colonna guida	
	365	366	367	
F33020019-0026	F33020036-0037	F3303	F33030001-0040	F33030041-0070
				
Bush self-lubricating Führungsbuchse Boccola autolubrificante	Toe clamp Haltestück Ritegno		Matrix Retainer Aufnahmeplatte Portamatrice	Distance Plate Druckplatte Distanziale
368	368		369	370
F3304	F3304000-0138	F33040121-F33050012	F33040024-0035	F33040036-0044
				
	Wear plate VDI 3357 Gleitplatte VDI 3357 Piastra guida VDI 3357	Wear plate VDI 3357 Gleitplatte VDI 3357 Piastra guida VDI 3357	Wear plate self-lubricating Gleitplatte bronze mit festschmierstoff Piastra guida autolubrificante	Wear plate self-lubricating Gleitplatte mit festschmierstoff Piastra guida autolubrificante
	371	372	373	374
F33040084-0164	F33040085-0112	F33040090-0093	F33040100-0111	F33040139-0147
				
Cam positive return follower Gleitstück Reazione gancio	Wear plate self-lubricating Gleitplatte bronze mit festschmierstoff Piastra guida autolubrificante	"V" driver VDI 3357 Prismenführung mit festschmierstoff VDI 3357 Guida a "V" VDI 3357	Angular guide Winkelleiste Guida angolare	Cam dwell wear plate steel Überlaufkeile stahl Cuneo in acciaio
374	375	375	376	377

F33040148÷0156	F33040165÷0176	F33040177÷0183	F33040287÷0289	F33040288÷0290	
					
Cam dwell wear plate self-lubricating Überlaufkeile bronze mit festschmierstoff Cuneo autolubrificante	Wear plate Gleitplatte Piastra guida	Wear plate Gleitplatte Piastra guida	Positive Return Zwangsrückholer Gancio	Positive Return Zwangsrückholer Gancio	
378	379	379	380	380	
F33040305÷0320	F3305		F33050018÷0026	F33050069÷0072	F33050081÷0083
					
Wear plate Gleitplatte Piastra guida			Wear plate Gleitplatte Piastra guida	"V" driver VDI 3357 Prismenführung VDI 3357 Guida a "V" VDI 3357	"V" driver VDI 3357 Prismenführung mit festschmierstoff VDI 3357 Guida a "V" VDI 3357
381			382	382	383
F33050084÷0086	F33050087	F33050088	F33050089÷0100	F33050101÷0107	
					
"V" driver VDI 3357 Prismenführung VDI 3357 Guida a "V" VDI 3357	"V" driver Prismenführung Guida a "V"	"V" driver self-lubricating Prismenführung bronze mit festschmierstoff Guida a "V" autolubrificante	Wear plate Gleitplatte Piastra guida	Wear plate Gleitplatte Piastra guida	
383	384	384	385	385	
F3315		F33150011÷0015	F33150037÷0044	F33150045÷0048	F33150060÷0061
					
		Pad Retainer Steckbolzen Perno di arresto	Aerial Pin Luftbolzen Candela	Air Pin Druckbolzen Candela	Locating Pin Zentrierbolzen Centraggio
		386	386	387	387

Standard Opel

F33150087÷0091	F3316	F33160106÷0107	F33160108÷0204	F33160157÷0188
				
Lifting pin Tragbolzen mit Fallringsicherung Perno di sollevamento		Fixing plate Befestigungsplatte Piastra di fissaggio	Distance plate Abstimmzscheibe Distanziale	Shim plate Ausgleichbleche Piastra di spessoramento
388		389	389	390
F33160218	F33160230÷0250	F33160226÷0344	F33160345÷0371	F3318
				
Fastening plates Halteplatte Piastra di ritegno	Shim punch retainer Druckplatte Spessore per portapunzione	Striker plate Distanzkappe Reazione per cilindro	Striker plate Distanzkappe Reazione per cilindro	
391	391	392	393	
F33180007÷0012	F33180020÷0021	F3319	F33190003 ÷0038	F33190005÷0026
				
Washer Scheibe Rondella	Distance plate Abstimmzscheibe Distanziale		Locating Cone Kegeldistanz Cono di centraggio	Spacer Distanzstück Distanziale
394	394		395	395
F33190031÷0034	F33190035÷0036	F3320	F33260009÷0033	F3322
				
Bottoming block Abstandblock Distanziale	Spacer Distanzstück Distanziale		Key Passfeder Chiavetta	
396	396		397	

F33220332+0343	<p>F3326</p>	F33260004+0397	F33260014+0024	F33260026+0043
				
<p>Roller cam unit Rollenschieber Camma a rullo</p> <p>398</p>		<p>Gage Einweiser Riferimento</p> <p>399</p>	<p>Acceleration cam Schiebervorbeschleunigung Camma di accelerazione</p> <p>399</p>	<p>Guide Aufnahmeschiene Guida</p> <p>400</p>
F33260029	F33260030	F33260032	F33260203+0205	F33260223+0342
				
<p>Disk Einzelteile Disco</p> <p>400</p>	<p>Washer Scheibe Rondella</p> <p>400</p>	<p>Cam roller Rollenbock Supporto con rullo</p> <p>401</p>	<p>Front gage Einlaufanschlag Portasensore</p> <p>401</p>	<p>Slide stop block Schieberanschlag Arresto slitta</p> <p>402</p>
<p>F3328</p>	F33280001	<p>F3329</p>	F33290002	F33290041
				
	<p>Coiler for electrical wires Kabelaufwickler Avvolgitore per cavi elettrici</p> <p>403</p>		<p>Stamp rack pillar Markierstempelkonsole Colonna portatimbri</p> <p>403</p>	<p>Counter-pressure plate Gegendruckplatte Piastrina di reazione</p> <p>403</p>
F33290043+0164	F33290063	F33290068	<p>F3331</p>	F33310014+0022
				
<p>Stamp Buchstabenstempel Marchio</p> <p>404</p>	<p>Stamp Buchstabenstempel Marchio</p> <p>404</p>	<p>Visual locator punch Endkontrollstempel Punzone di visualizzazione</p> <p>405</p>	<p>Clamping flange for gas springs Klemmflansch für Gasdruckfedern Supporto per molle a gas</p> <p>405</p>	<p>Clamping flange for gas springs Klemmflansch für Gasdruckfedern Supporto per molle a gas</p> <p>405</p>

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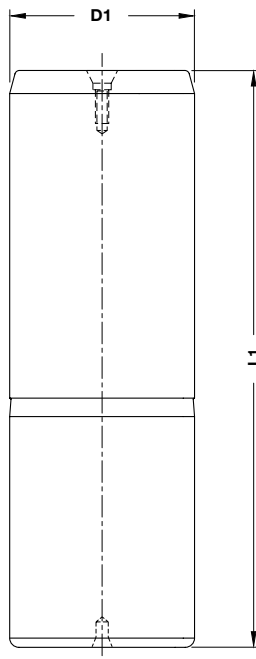
F33310023÷0024	F33310029÷0036	F3391	F33910001	F33910002
				
Urethane spring retainer Elastomerhalterung Ritegno per elastomero	Clamping flange for gas springs Klemmflansch für Gasdruckfedern Supporto per molle a gas		Air coupling bracket Luftanschlussbock Supporto innesti rapidi	Air coupling bracket Luftanschlussbock Supporto innesti rapidi
406	406		407	407
F33910003	F33910043	F33910044	F33910110÷0115	J06910069÷70
				
Air coupling bracket Luftanschlussbock Supporto innesti rapidi	Retainer for stamps Halteplatte Portatimbri	Retainer for stamps Halteplatte Portatimbri	Bush for lifting pin Buchse für Tragbolzen Boccola per perno di sollevamento	Sensor mounting brackets Sensorhalterungen Staffa per sensore
407	408	408	409	409
M16045182÷184	M36600070÷0073			
				
Shock absorber Halteelement Ammortizzatore	Washer Scheibe Rondella			
410	410			

GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA



Notes

Material: 16MnCr5
HRC: 60±62



Standard Opel



OPEL CODE
F33010002

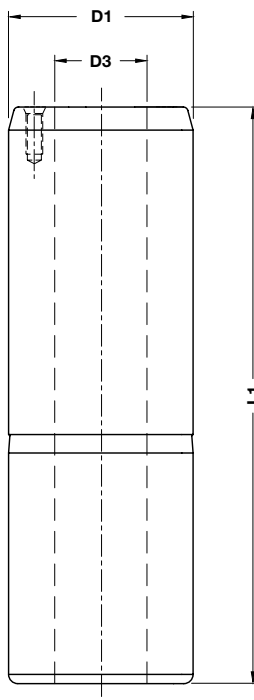
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F33010004	25	180	F33010018	50	200	F33010032	80	224
F33010005	32	140	F33010019	50	224	F33010033	80	250
F33010006	32	160	F33010020	50	250	F33010034	80	280
F33010007	32	180	F33010021	50	280	F33010035	80	315
F33010008	32	200	F33010022	50	315	F33010036	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



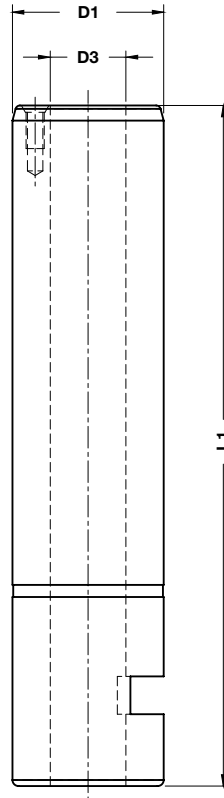
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F33010040	100	50	355	F33010053	100	50	600
F33010041	100	50	400	F33010054	100	50	650
F33010042	125	65	315	F33010055	125	65	500
F33010043	125	65	355	F33010056	125	65	550
F33010044	125	65	400	F33010057	125	65	600
F33010045	125	65	450	F33010058	125	65	650
F33010050	100	50	450				

GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

Notes

Material: 16MnCr5
HRC: 60±62



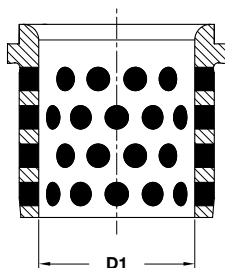
Standard Opel



OPEL CODE
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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



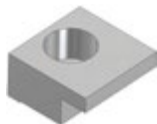
Notes

Material: Bronze + Graphite
HB > 190



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OPEL CODE	D1																		
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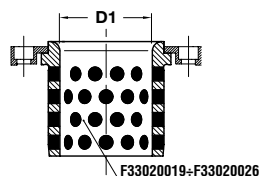
TOE CLAMP - HALTESTÜCK - RITEGNO PER BOCCOLA



Notes

Material: CK45

Application example



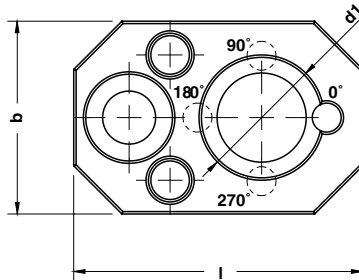
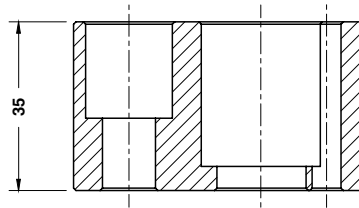
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F33020036	25÷50						
F33020037	63÷125						

MATRIX RETAINER - AUFNAHMEPLATTE - PORTAMATRICE

Notes

Material: CK45

STOCK



Standard Opel



OPEL CODE

F33030002

OPEL CODE

DOWEL PIN LOCATION

0°

90°

180°

270°

b

d1

l

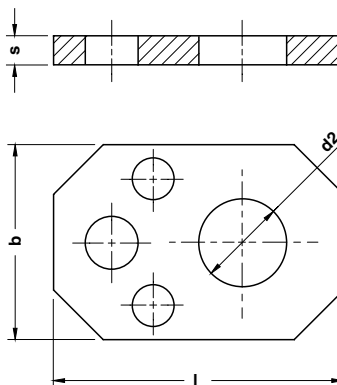
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F33030003	F33030013	F33030023	F33030033	40	16	60
F33030004	F33030014	F33030024	F33030034	40	20	60
F33030006	F33030016	F33030026	F33030036	40	25	60
F33030007	F33030017	-	F33030037	40	32	60
F33030008	F33030018	F33030028	F33030038	60	38	80
F33030009	F33030019	F33030029	F33030039	60	45	80
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DISTANCE PLATE - DRUCKPLATTE - DISTANZIALE

Notes

Material: CK45

STOCK



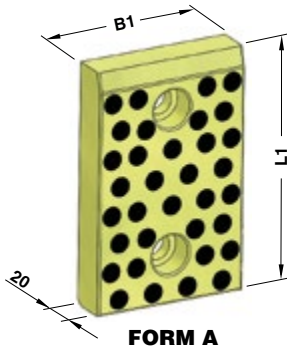
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F33030043	40	6,5	60	6	F33030060	40	22,5	60	4
F33030044	40	9,5	60	2	F33030061	40	22,5	60	6
F33030045	40	9,5	60	4	F33030062	60	28,5	80	2
F33030046	40	9,5	60	6	F33030063	60	28,5	80	4
F33030047	40	11	60	2	F33030064	60	28,5	80	6
F33030048	40	11	60	4	F33030065	60	37,5	80	2
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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					

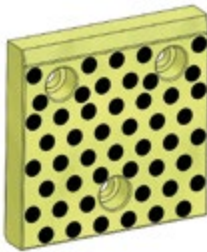
WEAR PLATE SELF-LUBRICATING VDI 3357
GLEITPLATTE BRONZE MIT FESTSCHMIERSTOFF VDI 3357
PIASTRA GUIDA AUTOLUBRIFICANTE VDI 3357

Notes

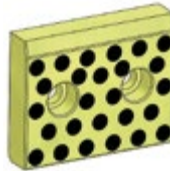
Material: Bronze + Graphite
HB > 190



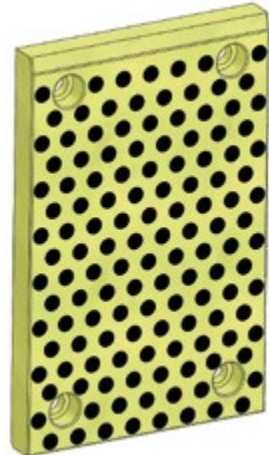
FORM A



FORM B



FORM C



FORM D

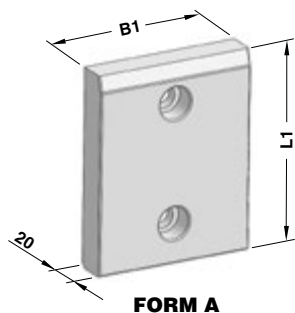
Standard Opel

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	F33040001

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

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F33040000	50	100	A	F33040015	125	100	B
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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



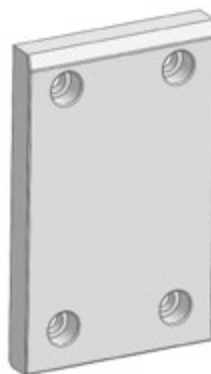
FORM A



FORM B



FORM C



FORM D

Notes

Material: 16MnCr5

HRC: 58÷60

STOCK

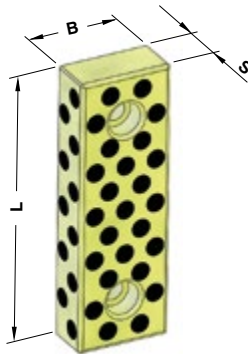


	OPEL CODE
	F33040121

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

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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
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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
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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

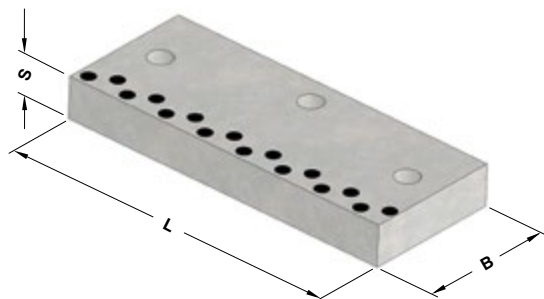
Standard Opel



OPEL CODE
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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

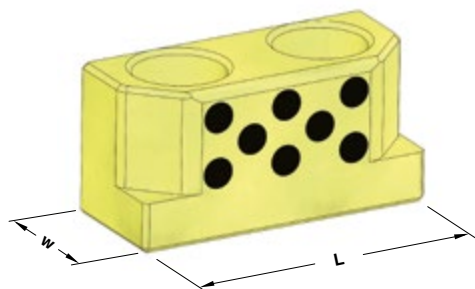
Material: CK45 + Graphite
HRC: 60÷62



OPEL CODE
F33040037

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F33040039	100	300	20	F33040044	125	400	30
F33040040	125	160	30				

CAM POSITIVE RETURN FOLLOWER GLEITSTÜCK REAZIONE GANCIO



Notes

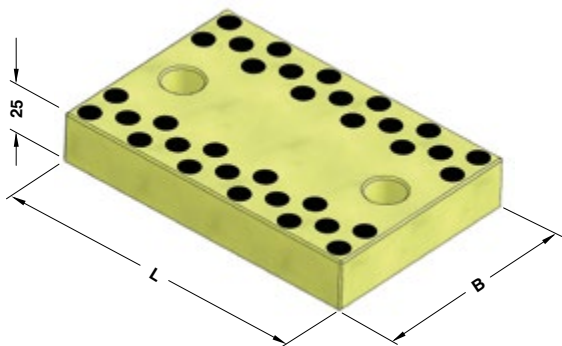
Material: Bronze + Graphite
HB > 190



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

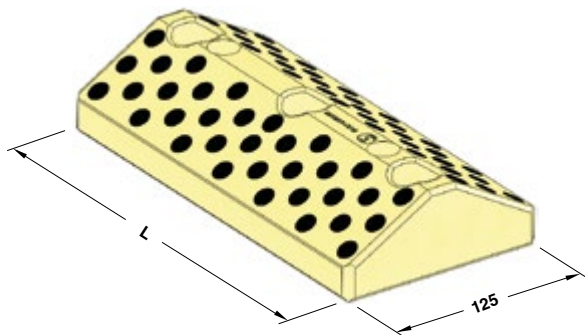
Material: Bronze + Graphite
HB > 190



ORDER EXAMPLE 	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

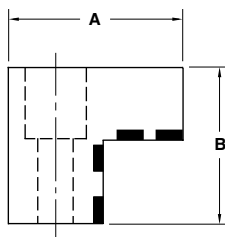
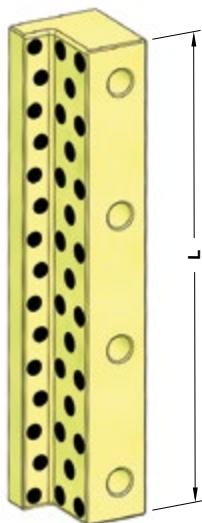


ORDER EXAMPLE 	OPEL CODE	
	F33040091	
OPEL CODE	L	
F33040090	150	
F33040091	200	
F33040092	250	
F33040093	300	

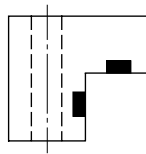
ANGULAR GUIDE - WINKELLEISTE - GUIDA ANGOLARE

Notes

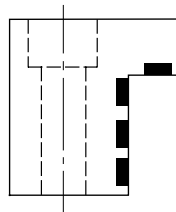
Material: Bronze + Graphite
HB > 190



FORM A



FORM B



FORM C

ORDER EXAMPLE	OPEL CODE
	F33040101

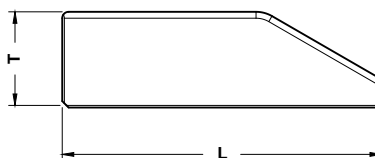
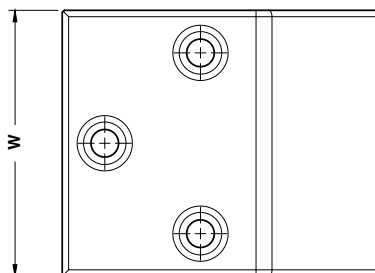
OPEL CODE	A	B	L	FORM	OPEL CODE	A	B	L	FORM
F33040100	50	45	200	A	F33040106	32	30	150	B
F33040101	50	45	250	A	F33040107	32	30	250	B
F33040102	50	45	300	A	F33040108	32	30	300	B
F33040103	50	45	350	A	F33040109	50	50	200	C
F33040104	50	45	400	A	F33040110	50	50	250	C
F33040105	50	45	500	A	F33040111	50	50	300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

CAM DWELL WEAR PLATE STEEL
UBERLAUFKEILE STAHL
CUNEO IN ACCIAIO



Notes

Material: 42CrMo4
HRC: 58÷60



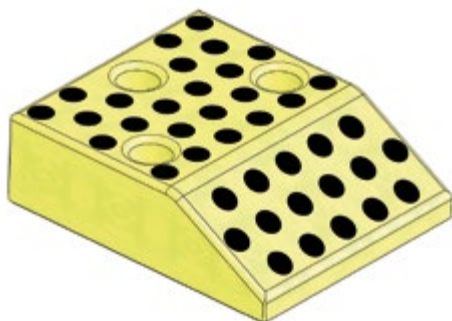
Standard Opel



OPEL CODE
F33040140

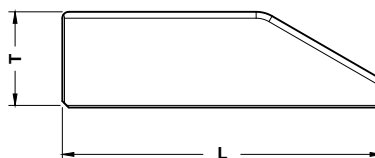
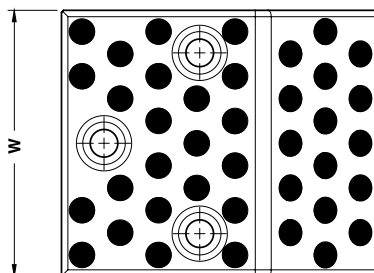
OPEL CODE	L	T	W
F33040139	125	30	100
F33040140	125	30	125
F33040141	125	30	160
F33040142	150	45	100
F33040143	150	45	125
F33040144	150	45	160
F33040145	170	60	100
F33040146	170	60	125
F33040147	170	60	160

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



Notes

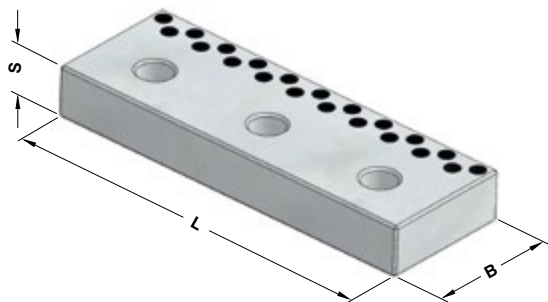
Material: Bronze + Graphite
HB > 190



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



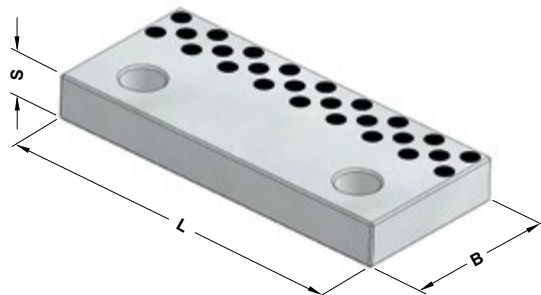
OPEL CODE

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

Standard Opel

WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



Notes

Material: CK45 + Graphite
HRC: 58÷60

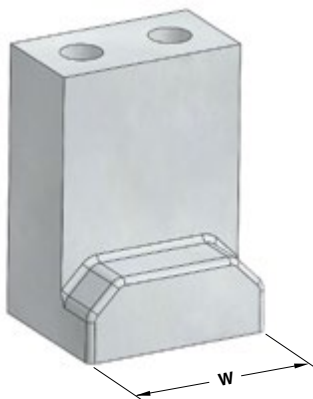


OPEL CODE

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

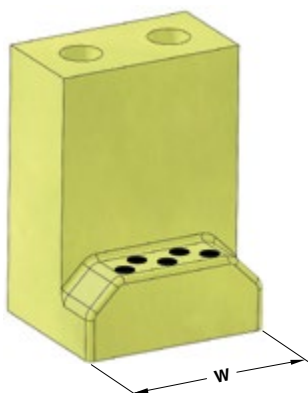
Material: C45
HRC: 58÷60



	OPEL CODE
	F33040289

OPEL CODE	W
F33040287	60
F33040289	80

POSITIVE RETURN - ZWANGSRÜCKHOLER - GANCIO



Notes

Material: Bronze + Graphite
HB > 190



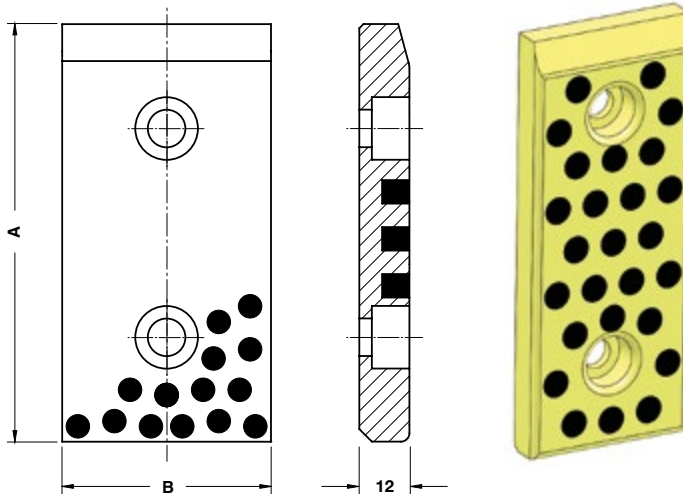
	OPEL CODE
	F33040290

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

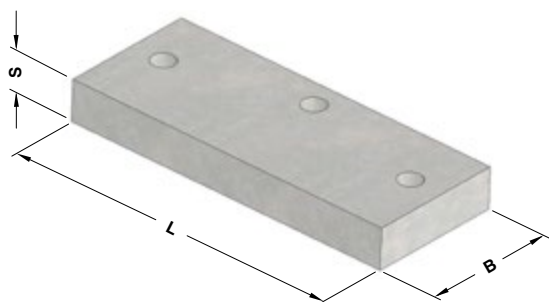


Standard Opel

ORDER EXAMPLE	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

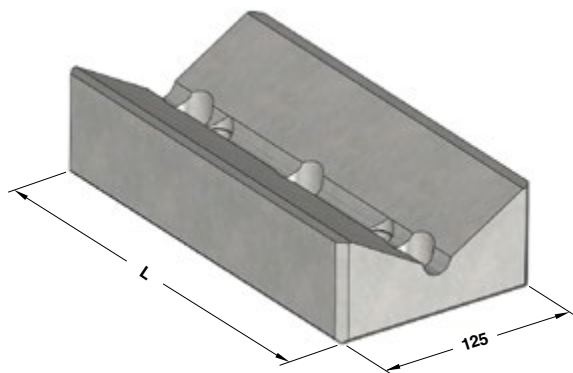
Material: 16MnCr5
HRC: 58÷60



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

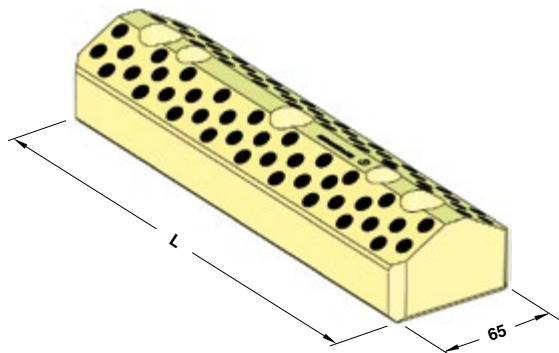
Material: CK45
HRC: 58÷60



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

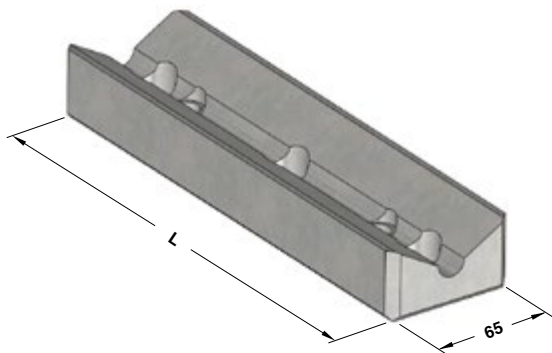


OPEL CODE
 F33050082

OPEL CODE	L
F33050081	150
F33050082	200
F33050083	250

Standard Opel

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



Notes

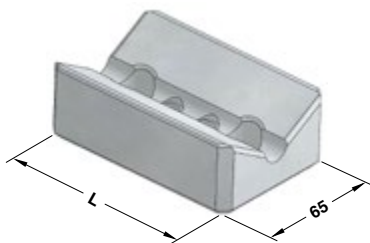
Material: CK45
HRC: 58÷60



OPEL CODE
 F33050085

OPEL CODE	L
F33050084	150
F33050085	200
F33050086	250

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



Notes

Material: CK45

HRC: 58÷60

STOCK



OPEL CODE

F33050087

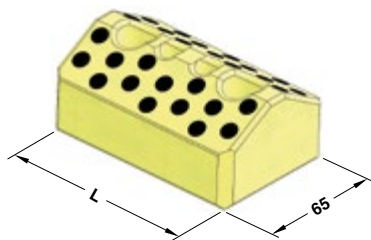
OPEL CODE

L

F33050087

100

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



Notes

Material: Bronze + Graphite

HB > 190

STOCK



OPEL CODE

F33050088

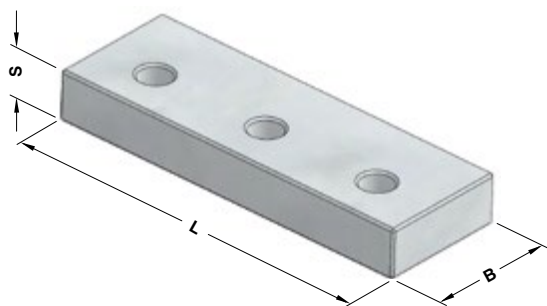
OPEL CODE

L

F33050088

100

WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



Notes

Material: CK45

HRC: 58÷60

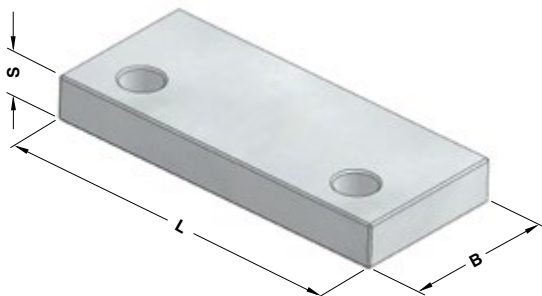


OPEL CODE

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

WEAR PLATE - GLEITPLATTE - PIASTRA GUIDA



Notes

Material: CK45

HRC: 58÷60

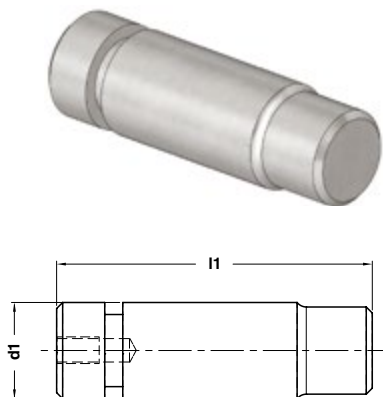


OPEL CODE

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/mm²

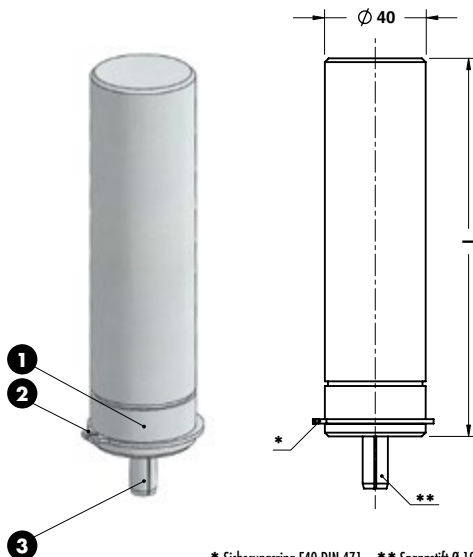
STOCK



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

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

STOCK

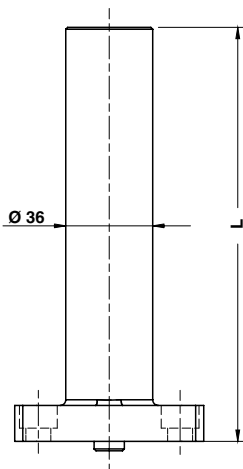


OPEL CODE
F33150038

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/mm²



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:

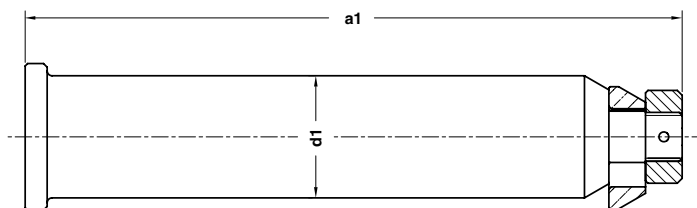
For safety reason, please consider always that the weight of the die has to be supported by just 2 lifting pins.

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

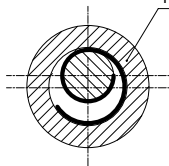
Per ragioni di sicurezza, considerare sempre che il peso dello stampo deve essere sopportato da 2 soli perni.

Notes

Material: 42CrMo4



The part is supplied complete of steel spring

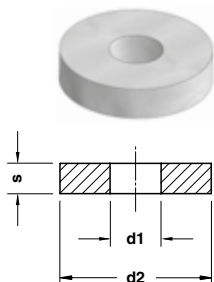


OPEL CODE

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



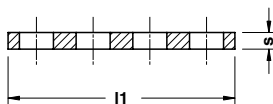
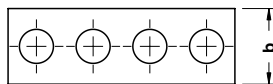
Notes
Material: CK45

STOCK

ORDER EXAMPLE
OPEL CODE
 F33160107

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

DISTANCE PLATE - ABSTIMMSCHEIBE - DISTANZIALE



Notes
Material: St37

STOCK

ORDER EXAMPLE
OPEL CODE
 F33160109

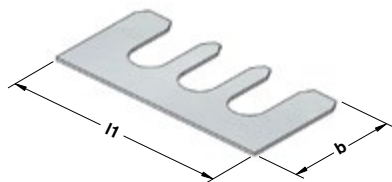
OPEL CODE	b	l1	s	OPEL CODE	b	l1	s
F33160108	20	60	4,4	F33160122	12,5	42	4,4
F33160109	20	60	4,6	F33160123	12,5	42	4,6
F33160110	20	60	4,8	F33160124	12,5	42	4,8
F33160111	20	60	5,0	F33160125	12,5	42	5,0
F33160112	20	60	5,2	F33160126	12,5	42	5,2
F33160113	20	60	5,4	F33160127	12,5	42	5,4
F33160114	20	60	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

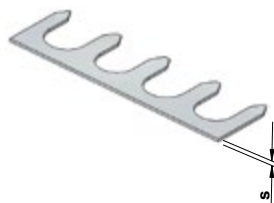
Notes

Material: St37

STOCK



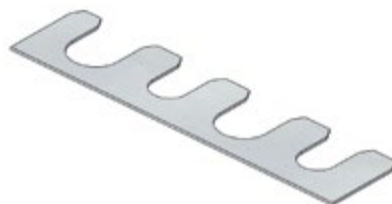
FORM A



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: Si37

STOCK



OPEL CODE

F33160218

OPEL CODE

F33160218

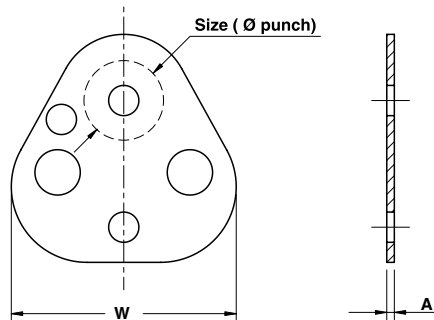
SHIM PUNCH RETAINER - DRUCKPLATTE - SPESSORE PER PORTAPUNZONE



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

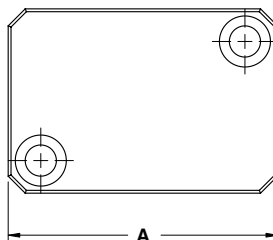
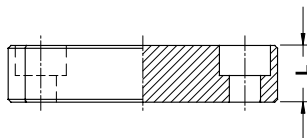
STRIKER PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO

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

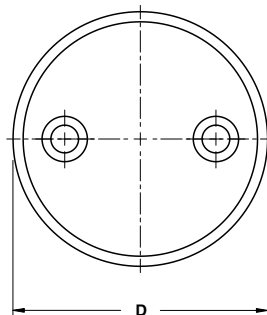
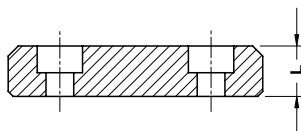
STRIKER PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO

Notes

Material: 42CrMo4

HRC: 48÷55

STOCK

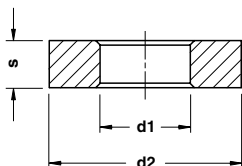


Standard Opel

	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

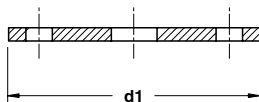
STOCK



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

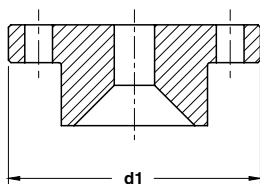
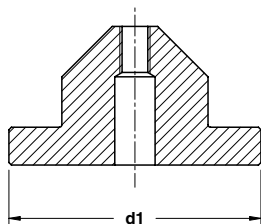
LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO



FORM A



FORM B



Notes

Material: 16MnCr5
HRC: 60÷62

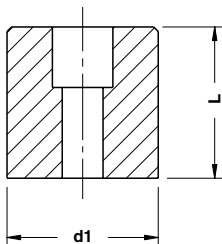


OPEL CODE
F33190004

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

Standard Opel

SPACER - DISTANZSTÜK - DISTANZIALE



Notes

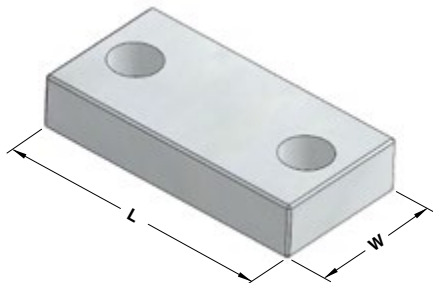
Material: CK45



OPEL CODE
F33190006

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

BOTTOMING BLOCK - ABSTANDBLOCK - DISTANZIALE



Notes

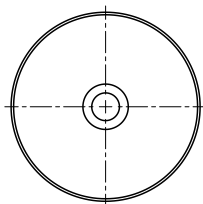
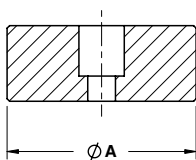
Material: CK45

STOCK

	OPEL CODE
	F33190032

OPEL CODE	L	W
F33190031	100	30
F33190032	100	40
F33190033	80	40
F33190034	100	50

SPACER - DISTANZSTÜK - DISTANZIALE



Notes

Material: CK45

STOCK

	OPEL CODE
	F33190036

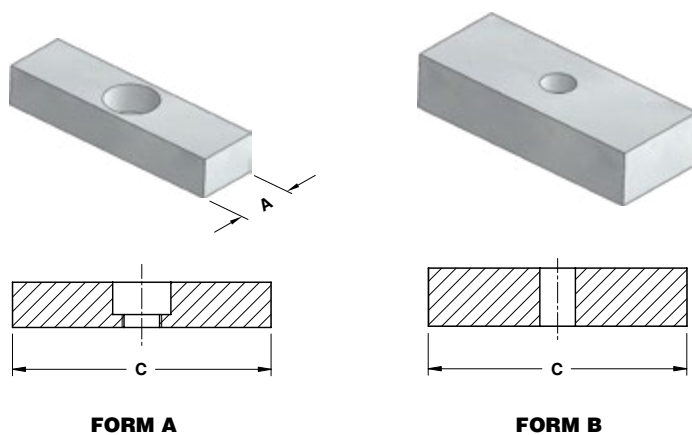
OPEL CODE	A
F33190035	50
F33190036	75

KEY - PASSFEDER - CHIAVETTA

Notes

Material: CK45

STOCK



FORM A

FORM B

Standard Opel



OPEL CODE

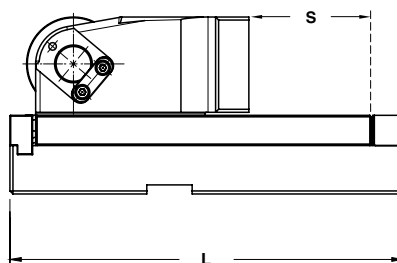
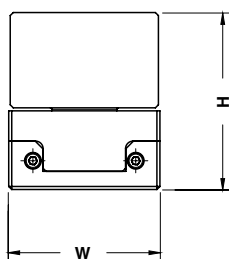
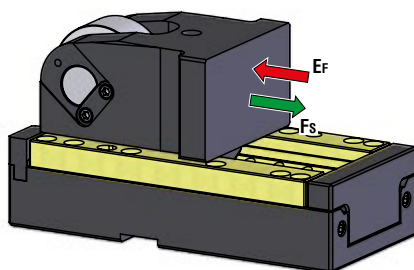
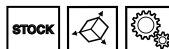
F33200010

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

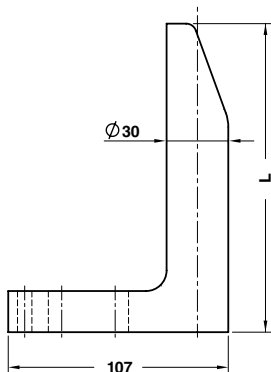
For technical info see pages 848÷885



OPEL CODE
F33220333

OPEL CODE	L	H	W	Stroke (mm)	Max Work Force (kN)	Extraction Force (kN)
				S	Fs	Ef 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

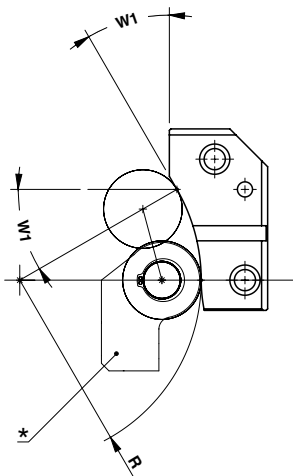
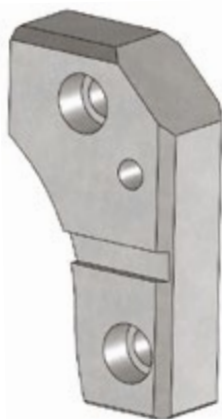


OPEL CODE
F33260005

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



Notes

Materials: 90MnCrV8 - HRC 60÷62

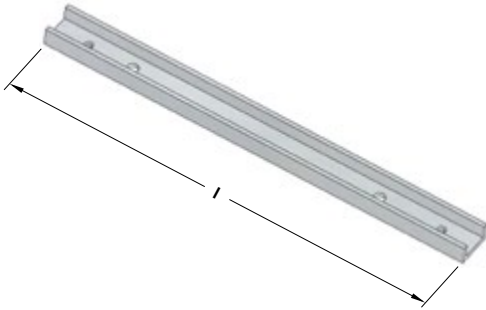


OPEL CODE
F33260015

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

GUIDE - AUFNAHMESCHIENE - GUIDA



Notes

Material: Steel

STOCK



OPEL CODE
F33260043

OPEL CODE **I**

F33260026 1175

F33260043 420

DISK - EINZELTEILE - DISCO



Notes

Material: CK45

STOCK



OPEL CODE
F33260029

OPEL CODE

F33260029

WASHER - SCHEIBE - RONDELLA



Notes

Material: CK45

STOCK

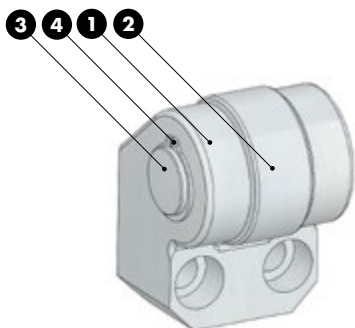


OPEL CODE
F33260030

OPEL CODE

F33260030

CAM ROLLER - ROLLENBOCK - SUPPORTO CON RULLO



Notes

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

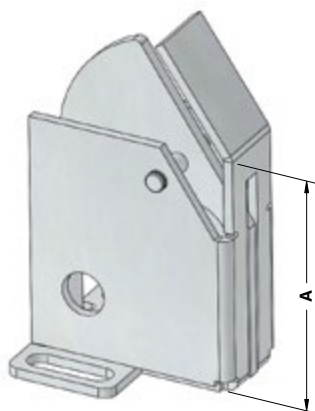


OPEL CODE
F33260032

OPEL CODE
F33260032

Standard Opel

FRONT GAGE - EINLAUFANSLAG - PORTASENSORE



Notes

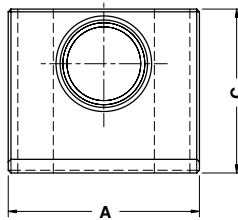
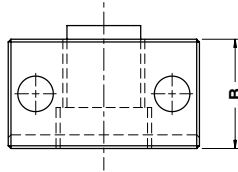
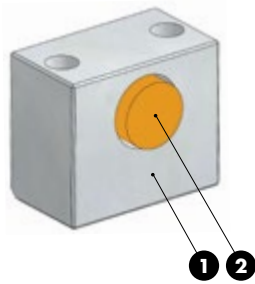
Material: Si37



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

STOCK

	OPEL CODE
	F33260264

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

COILER FOR ELECTRICAL WIRES - KABELAUFWICKLER - AVVOLGITORE PER CAVI ELETTRICI



Notes

Material: Si37

STOCK



OPEL CODE

F33280001

OPEL CODE

F33280001

Standard Opel

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

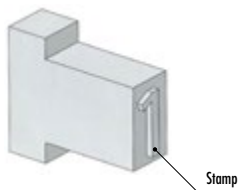
F33290041

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



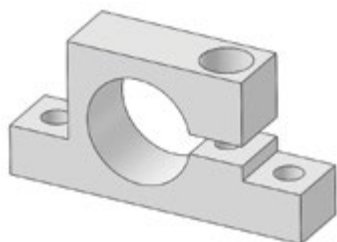
OPEL CODE
F33290068

OPEL CODE

F33290068

Standard Opel

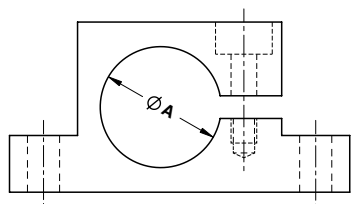
**CLAMPING FLANGE FOR GAS SPRINGS
 KLEMMFLANSCH FÜR GASDRUCKFEDERN
 SUPPORTO PER MOLLE A GAS**



Notes

Material: CK45

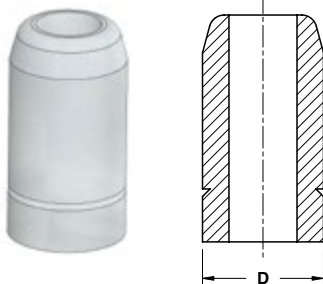
STOCK



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

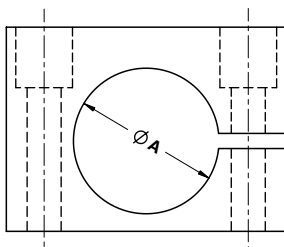
STOCK



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

F3391**OMCR****AIR COUPLING BRACKET - LUFTANSCHLUSSBOCK - SUPPORTO INNESTI RAPIDI****Notes****Material:** Si37**STOCK****OPEL CODE****F33910001****OPEL CODE****F33910001**

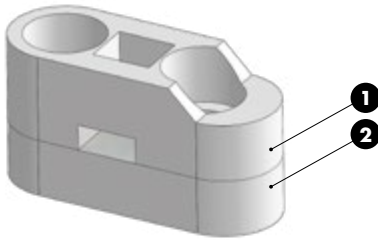
Standard Opel

F3391**OMCR****AIR COUPLING BRACKET - LUFTANSCHLUSSBOCK - SUPPORTO INNESTI RAPIDI****Notes****Material:** Si37**STOCK****OPEL CODE****F33910002****OPEL CODE****F33910002****F3391****OMCR****AIR COUPLING BRACKET - LUFTANSCHLUSSBOCK - SUPPORTO INNESTI RAPIDI****Notes****Material:** Si37**STOCK****OPEL CODE****F33910003****OPEL CODE****F33910003**

RETAINER FOR STAMPS - HALTEPLATTE - PORTATIMBRI

Notes

- 1** F33290065 - **Material:** St37
- 2** F33290066 - **Material:** CK45



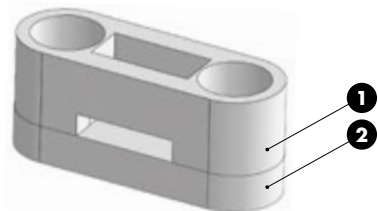
OPEL CODE
F33910043

OPEL CODE
F33910043

RETAINER FOR STAMPS - HALTEPLATTE - PORTATIMBRI

Notes

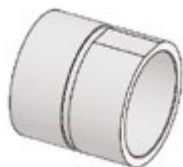
- 1** F33290039 - **Material:** CK45
- 2** F33290040 - **Material:** CK45



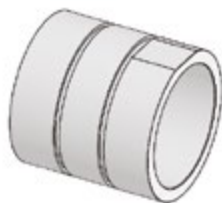
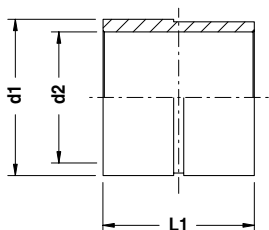
OPEL CODE
F33910044

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

Standard Opel

SENSOR MOUNTING BRACKET - SENSORHALTERUNGEN - STAFFA PER SENSORE



J06910069



J06910070

Notes

Material: Si37

STOCK



OPEL CODE

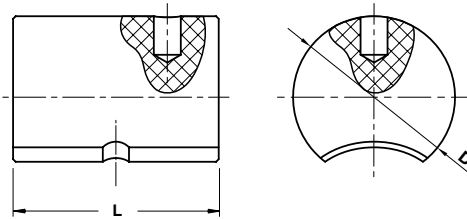
J06910070

OPEL CODE

J06910069

J06910070

SHOCK ABSORBER - HALTELEMENT - AMMORTIZZATORE



Notes

Material: Polyurethane 92 SH

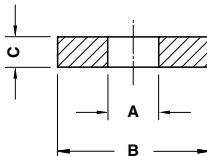
STOCK



OPEL CODE
M16045183

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

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



HERMLI

C 40 U dynamic

