Die Components
Normalien
Componenti

OMCR®
STANDARD DIE COMPONENTS

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Bush for lifting pin Buchse für Tragbolzen Boccola per perno di sollevamento	Gage Einweiser Riferimento	Gage hardened Einweiser gehärtet Riferimento indurito	Gage for sensor Einweiser für Teillagekontolle Riferimento per sensore	Gage for sensor Einweiser für Teillagekontolle Riferimento per sensore
130	130	131	131	132

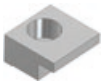
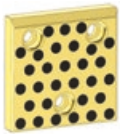
B2 2305 24	B2 2305 24	B2 2506 12	B2 2604 12	B2 2615 002
Gage for sensor Einweiser für Teillagekontolle Riferimento per sensore	Gage for sensor Einweiser für Teillagekontolle Riferimento per sensore	Hook for chute Haken Gancio	Air pin Druckbolzen Candela	Air pin Druckbolzen Candela
132	133	133	134	135

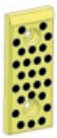
B2 2625 11	B2 2625 11	B2 2705 11	B2 2705 11	B2 2705 11
Retainer Sicherungsplatte Piastrina	Retainer Sicherungsplatte Piastrina	Stop block Abstandsblock Distanziale	Stop block Abstandsblock Distanziale	Shim Ausgleichscheib Spessore
136	136	137	137	137

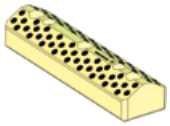
B2 2708 11	B2 2709 11	B2 2709 20	B2 2715 11	B2 2715 11
Spacer Distanzstück Distanziale	Backing plate Distanzkappe Reazione per cilindro	Backing plate Distanzkappe Reazione per cilindro	Locating cone Kegeldistanz Cono di centraggio	Shim Ausgleichscheib Spessore
138	139	139	140	140

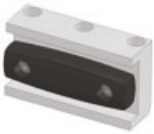
B2 2715 14	B2 2715 14	B2 2717 12a - 13a	B2 2904 9	B2 2904 11
Locating cone Kegeldistanz Cono di centraggio	Shim Ausgleichscheib Spessore	Spacer plate toothed Distanzplatte gezahnt Tassello di compensazione	Retainer Sicherungsplatte Piastrina	Retaining bolt Sicherungsbolzen Perno di bloccaggio
141	141	142	142	143

B2 2920 001	B2 2920 001	B2 2920 001	B2 2920 001	B2 2920 001
Guide post Führungssäule Colonna guida	Guide post Führungssäule Colonna guida	Guide post Führungssäule Colonna guida	Guide post Führungssäule Colonna guida	Washer Federscheibe Rondella per colonne
144	145	146	147	148

B2 2920 001	B2 2933 1	B2 2933 2	B2 2933 2	B2 2960 12
				
Toe clamp Haltestück Ritegno per boccola	Guide bush DIN 9834 Führungsbuchse DIN 9834 Boccola DIN 9834	Guide bush Führungsbuchse Boccola	Guide bush Führungsbuchse Boccola	Wear plate VDI 3357 Gleitplatte VDI 3357 Piastra guida VDI 3357
148	149	149	149	151

B2 2960 12	B2 2961 11	B2 2961 11	B2 2969 11	B2 2975 11
				
Wear plate VDI 3357 Gleitplatte VDI 3357 Piastra guida VDI 3357	Wear plate VDI 3357 Gleitplatte VDI 3357 Piastra guida VDI 3357	Wear plate VDI 3357 Gleitplatte VDI 3357 Piastra guida VDI 3357	Gib VDI 3387 Führungslasche VDI 3387 Guida VDI 3387	Guide bar VDI 3357 Führungsleiste VDI 3357 Lardone VDI 3357
152	153	154	155	155

B2 2978 21	B2 2978 21	B2 2978 21	B2 2978 21	B2 2978 23
				
"V" driver VDI 3357 Prismenführung VDI 3357 Guida a "V" VDI 3357	"V" driver VDI 3357 Prismenführung VDI 3357 Guida a "V" VDI 3357	"V" driver VDI 3357 Prismenführung VDI 3357 Guida a "V" VDI 3357	"V" driver VDI 3357 Prismenführung VDI 3357 Guida a "V" VDI 3357	Distance plate for "V" driver Höhenausgleich für Prismenfuhrung Distanziale per guida a "V"
156	156	157	157	158

B2 3001 021	B2 3001 021	B2 3001 021	B2 3001 021	B2 3001 021
				
Slide stop block Schieberranschlag Arresto slitta	Slide stop block Schieberranschlag Arresto slitta	Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo	Slide stop block Schieberranschlag Arresto slitta	Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo
158	159	159	160	160

B2 3302 21	B2 3302 21	B2 3602 15	B2 3602 15	B2 3765 1
Coupling plate Befestigungsplatte Staffa di reazione	Coupling nut Kupplungsmutter Aggancio staffa	Shim Prägestempel Spessore	Visual locator setting punch Stempel f. entgasungsnoppen Punzone di visualizzazione	Key Passfeder Chiavetta
161	161	162	162	163

B2 3925 11	B2 4010 1	B2 4068 1	B2 4068 2	B2 4069 1
Elastomer spring pin Aufnahmebolzen Perno per molle	Backing plate Distanzkappe Reazione per cilindro	Locating pin Zentrierbolzen Centraggio	Locating pin Zentrierbolzen Centraggio	Key Passfeder Chiavetta
163	164	164	165	165

B2 5601 11	B2 5602 11	B2 5602 12	B2 5605 11	B2 5605 11a
Lifting pin Tragbolzen mit Fallringsicherung Perno di sollevamento	Lifting bracket with rope stop safety Tragzapfen mit Seilsicherung Staffa di sollevamento con sicurezza fermafune	Lifting pin VDI 3366 Tragschraube VDI 3366 Perno di sollevamento VDI 3366	Lifting bracket with pin and locating pins Tragwange mit Tragbolzen und Zentrierbolzen Staffa di sollevamento completa di perno e centraggi	Lifting bracket with pin and keys Tragwange mit Tragbolzen und Passfeder Staffa di sollevamento completa di perno e chiavette
166	167	168	169	170

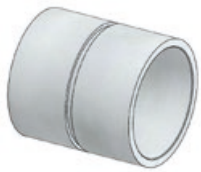
B2 5605 12	B2 5702 12	B2 5702 12	B2 6201 11	B2 6201 12
Lifting pin Tragbolzen mit Fallringsicherung Perno di sollevamento	Pad retainer pin Steckbolzen Perno di arresto	Pad retainer pin Steckbolzen Perno di arresto	Washer Scheibe Rondella	Spacer tube Distanzbuchse Tubo distanziale
171	172	172	173	173

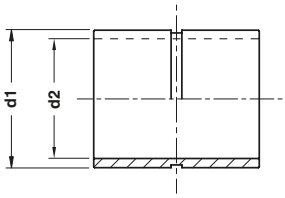
B2 6202 1	B2 6202 1	B2 6202 1	B2 6204 12
Buffer Stossdämpfer Ammortizzatore	Washer Scheibe Rondella	Washer Scheibe Rondella	Shock absorber Halteelement Ammortizzatore
174	174	174	175

B2 2101 16

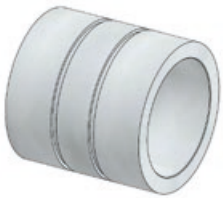
MCR

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





FORM A



FORM B

Notes

Material: St35

STOCK

ORDER EXAMPLE

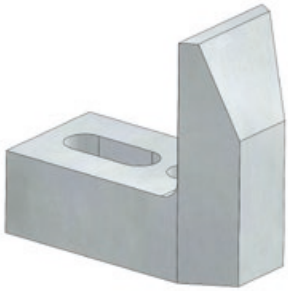
BMW CODE
2 173 600

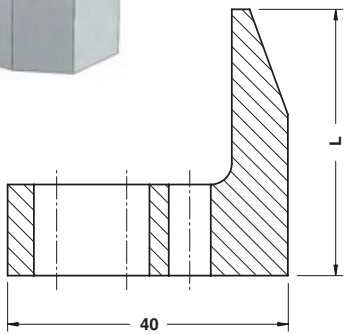
BMW CODE	d1	d2	FORM
2 173 599	44	34	A
2 173 600	52	42	A
2 173 601	62	52	A
2 173 602	75	65	A
2 173 603	100	78	B
2 173 604	105	78	B

B2 2305 16

MCR

GAGE - EINWEISER - RIFERIMENTO





Notes

Material: 21MnCr5 - **HRC:** 58÷60

STOCK

ORDER EXAMPLE

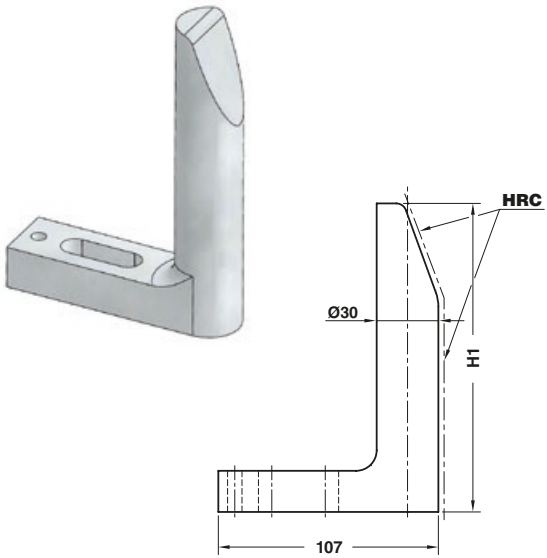
BMW CODE
2 175 120

BMW CODE	L
2 175 119	28
2 175 120	38
2 175 121	48
5 792 350	68
5 792 351	88

B2 2305 17

MCR

GAGE HARDENED - EINWEISER GEHÄRTET - RIFERIMENTO INDURITO



Notes

Material: CK60 - **HRC:** 58÷60

STOCK

ORDER EXAMPLE

BMW CODE
2 173 836

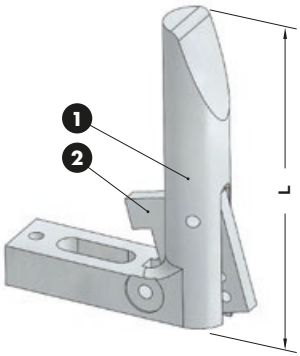
BMW CODE	H1
2 173 835	65
2 173 836	90
2 173 837	120
2 173 838	150
2 173 839	180
2 175 927	210
2 173 840	250
2 175 127	300
2 175 128	350

Standard BMW

B2 2305 22

MCR

GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE



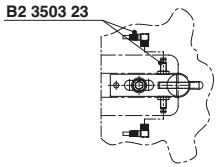
STOCK

Notes

1 **Material:** CK60

2 **Material:** St37 - **HRC:** 50÷55

Application example



ORDER EXAMPLE

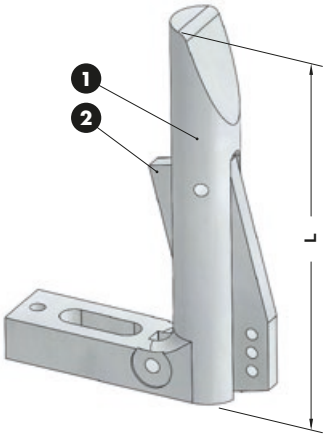
BMW CODE
2 173 842

BMW CODE	L	Sensor
2 173 841	120	included
2 173 842	120	not included
2 173 843	150	included
2 173 844	150	not included

B2 2305 22

MCR

GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE

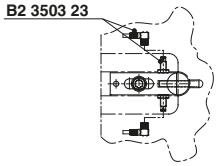


STOCK

Notes

1. **Material:** CK60
2. **Material:** St37 - **HRC:** 50÷55

Application example



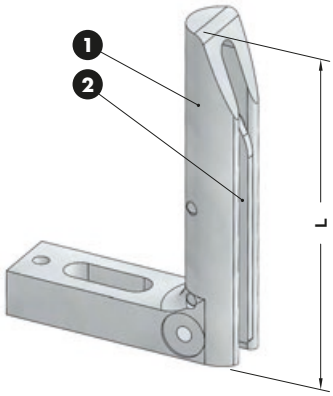
ORDER EXAMPLE	BMW CODE
	2 173 846

BMW CODE	L	Sensor
2 173 845	180	included
2 173 846	180	not included
2 173 847	250	included
2 173 848	250	not included

B2 2305 24

MCR

GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE



Notes

1. **Material:** CK60
2. **Material:** St37 - **HRC:** 58÷60

Only for replacement
Nur für Reparatur
Solo per riparazione

STOCK

ORDER EXAMPLE	BMW CODE
	2 173 850

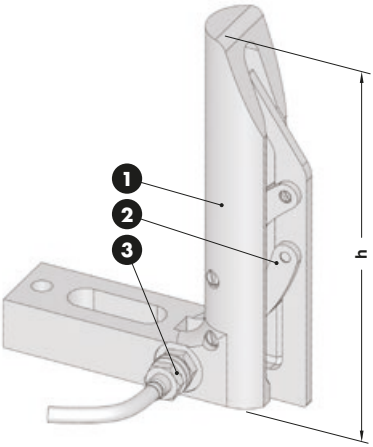
BMW CODE	L
2 173 849	120
2 173 850	150
2 173 851	180
2 173 852	250
2 173 853*	250

* With short plate
Mit Kurzschild
Con piastra corta

B2 2305 24

OMCR

GAGE WITH SENSOR- EINWEISER MIT TEILLAGEKONTROLLE - RIFERIMENTO CON SENSORE

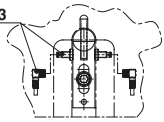


Notes

1. **Material:** CK60 - **HRC:** 58÷60
2. **Material:** 16MnCr5 - **HRC:** 58÷60
3. Proximity sensor with cable coupling

Application example

B2 3503 23



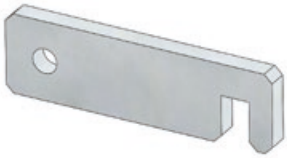
ORDER EXAMPLE	BMW CODE
	2 175 999

BMW CODE	h
2 175 998	120
2 175 999	150
2 176 000	180
2 176 001	250

B2 2506 12

OMCR

HOOK FOR CHUTE - HAKEN - GANCIO



Notes

Material: St37

STOCK

ORDER EXAMPLE	BMW CODE
	2 168 287

BMW CODE
2 168 287

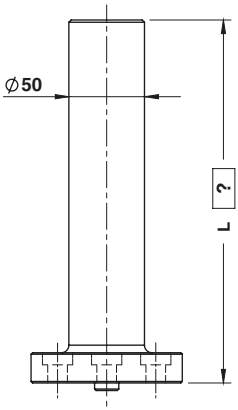
MCR

AIR PIN - DRUCKBOLZEN - CANDELA

85 < L ≤ 500 mm

Notes

Material: CK45 - 800÷1000 N/mm²



FORM A

FORM B

FORM C

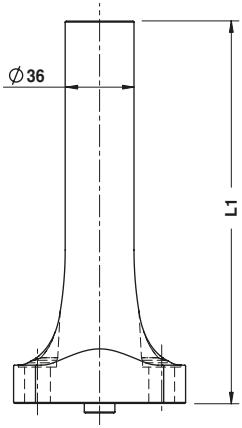
ORDER EXAMPLE	BMW CODE	L=355
	6 293 157	355

BMW CODE	FORM
6 293 156	A
6 293 157	B
6 293 158	C

B2 2615 002

MCR

AIR PIN - DRUCKBOLZEN - CANDELA



Notes

Material: 42CrMo4
800÷1000 N/mm²

10

ORDER EXAMPLE

BMW CODE
2 171 218

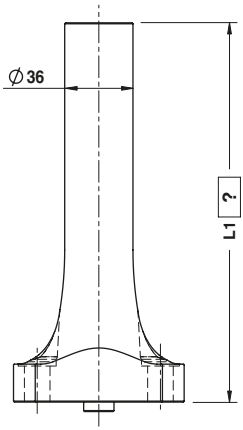
BMW CODE	L1
2 175 217	150
2 175 218	175
2 175 219	200
2 175 220	225
2 175 221	250

Standard BMW

B2 2615 002

MCR

AIR PIN - DRUCKBOLZEN - CANDELA



L max = 250 mm

Notes

Material: 42CrMo4
800÷1000 N/mm²

10

ORDER EXAMPLE

BMW CODE	L1=185
2 175 222	185

BMW CODE
2 175 222

B2 2625 11

MCR

RETAINER - SICHERUNGSPLATTE - PIASTRINA

Notes

Material: St37

STOCK

ORDER EXAMPLE

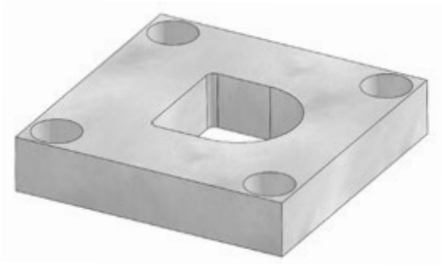
BMW CODE
2 171 716

BMW CODE
2 171 716

B2 2625 11

MCR

RETAINER - SICHERUNGSPLATTE - PIASTRINA



Notes

Material: 90MnCrV8 - **HRC:** 60÷62

STOCK

ORDER EXAMPLE

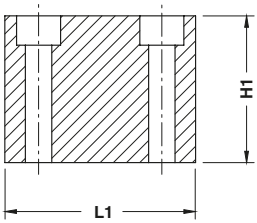
BMW CODE
2 172 935

BMW CODE
2 172 935

B2 2705 11

MCR

STOP BLOCK - ABSTANDSBLOCK - DISTANZIALE



STOCK

Notes

Material: St37

ORDER EXAMPLE

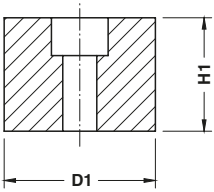
BMW CODE
2 175 075

BMW CODE	L1	H1
2 175 074	65	30
2 175 075	65	50
2 175 076	100	30
2 175 077	100	50
2 175 375	80	30
2 175 376	100	30

B2 2705 11

MCR

STOP BLOCK - ABSTANDSBLOCK - DISTANZIALE



Notes

Material: CK45

STOCK

ORDER EXAMPLE

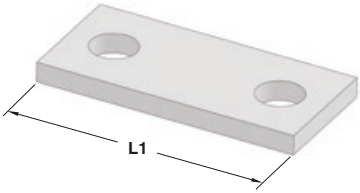
BMW CODE
2 175 079

BMW CODE	D1	H1
2 175 078	40	30
2 175 079	40	50

B2 2705 11

MCR

SHIM - ABSTIMMSCHEIBE - SPESSORE



Notes

Material: St52

STOCK

ORDER EXAMPLE

BMW CODE
6554390

BMW CODE	L1
6554389	65
6554390	100

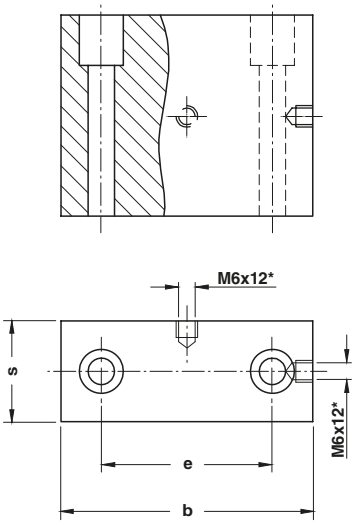
MCR

SPACER - DISTANZSTÜCK - DISTANZIALE

Notes

Material: St37

STOCK



ORDER EXAMPLE

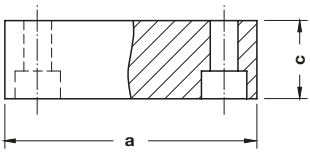
BMW CODE
2 172 065

BMW CODE	b	e	s	Max load (kN)	BMW CODE *(without thread M6)	b	e	s	Max load (kN)
2 172 064	65	35	30	270	**2 173 866**	65	35	30	270
2 172 065	100	68	40	700	**2 173 867**	100	68	40	700
2 168 316	160	98	40	1100	**2 173 868**	160	98	40	1100
2 172 066	110	78	50	1000	**2 173 869**	110	78	50	1000
2 168 317	180	114	50	1600	**2 173 870**	180	114	50	1600
2 172 067	130	90	60	1500	**2 173 871**	130	90	60	1500
2 175 145	130	90	60	1500	**2 175 146**	130	90	60	1500
2 168 318	200	130	60	2300	**2 173 872**	200	130	60	2300
2 174 518	200	125	60	2300	**2 174 519**	200	125	60	2300
2 168 319	160	115	80	2350	**2 173 873**	160	115	80	2350
2 175 003	160	115	80	2350	**2 175 004**	160	115	80	2350
2 168 320	250	160	80	3650	**2 173 874**	250	160	80	3650
2 174 520	250	155	80	3650	**2 174 521**	250	155	80	3650

B2 2709 11

OMCR

BACKING PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO



Notes

Material: 90MnCrV8 - **HRC:** 49÷52

STOCK

ORDER EXAMPLE

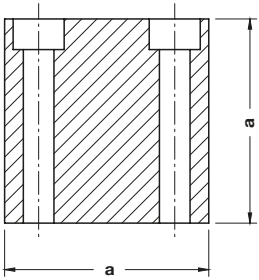
BMW CODE
2 171 494

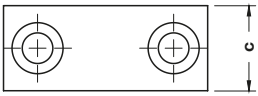
BMW CODE	a	c
2 171 493	60	48
2 171 494	60	43
2 171 495	70	39
2 171 496	100	36
2 171 497	100	31
2 172 219	60	30
2 172 220	60	25
2 172 221	70	20
2 172 222	100	20
2 172 223	100	15

B2 2709 20

OMCR

BACKING PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO





Notes

Material: 90MnCrV8 - **HRC:** 49÷52

Only for replacement
Nur für Reparatur
Solo per riparazione

STOCK

ORDER EXAMPLE

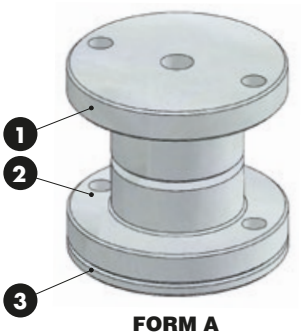
BMW CODE
2 173 596

BMW CODE	Nom. load (daN)	a	c
2 173 596	750÷1500	60	25
2 173 597	3000	70	25
2 173 598	5000÷7500	100	30

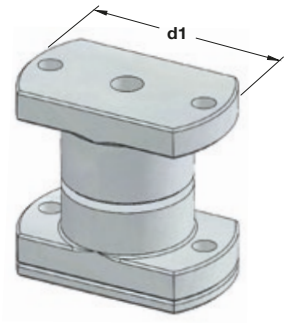
B2 2715 11

MCR

LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO



FORM A



FORM B

Notes

1 2
Material: 16MnCr5 - **HRC:** 60÷62

3 **Material:** CK45

STOCK

ORDER EXAMPLE	BMW CODE
	2 171 883

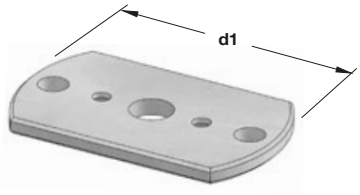
BMW CODE	d1	FORM
2 171 882	100	A
2 171 883	100	B
2 171 884	120	A
2 171 885	120	B

B2 2715 11

MCR

SHIM - ABSTIMMSCHEIBE - SPESSORE

FORM A



FORM B

Notes

Material: CK45

STOCK

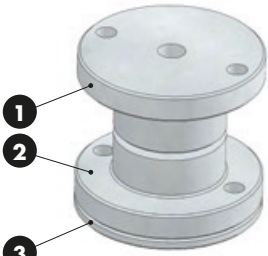
ORDER EXAMPLE	BMW CODE
	2 171 887

BMW CODE	d1	FORM
2 171 886	100	A
2 171 887	100	B
2 171 888	120	A
2 171 889	120	B

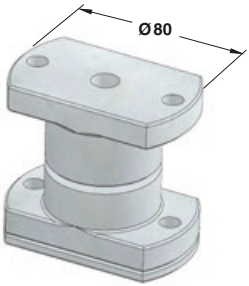
B2 2715 14

MCR

LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO



FORM A



FORM B

Notes

1 2
Material: 16MnCr5 - **HRC:** 60÷62

3 **Material:** CK45

STOCK

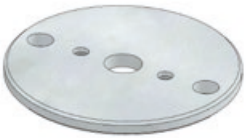
ORDER EXAMPLE	BMW CODE
	2 173 124

BMW CODE	FORM
2 173 123	A
2 173 124	B

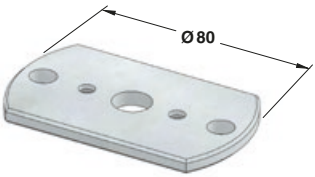
B2 2715 14

MCR

SHIM - ABSTIMMSCHEIBE - SPESSORE



FORM A



FORM B

Notes

Material: CK45

STOCK

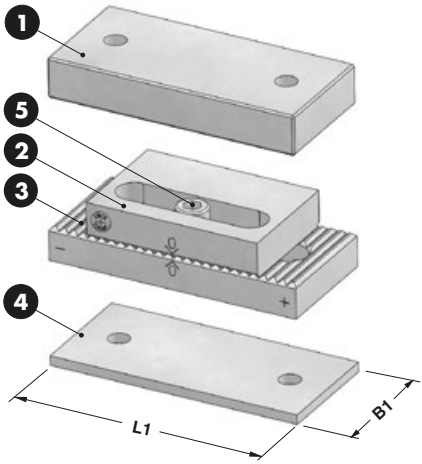
ORDER EXAMPLE	BMW CODE
	2 173 126

BMW CODE	FORM
2 173 125	A
2 173 126	B

B2 2717 12a-13a*

MCR

SPACER PLATE TOOTHED - DISTANZPLATTE GEZAHNT - TASSELLO DI COMPENSAZIONE



Notes

1 2 3 **Material:** 90MnCrV8 - **HRC**: 58÷60

4 **Material:** St52

5 DIN 912

STOCK ...

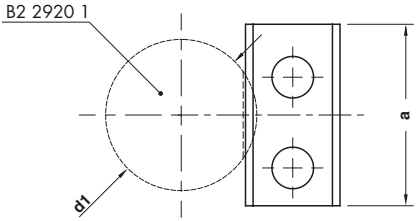
ORDER EXAMPLE	BMW CODE
	2 171 715

BMW CODE	B1	L1	*
2 171 714	60	130	12a
2 171 715	80	160	13a

B2 2904 9

MCR

RETAINER - SICHERUNGSPLATTE - PIASTRINA



Notes

Material: St37

STOCK

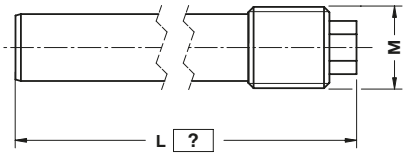
ORDER EXAMPLE	BMW CODE
	2 174 517

BMW CODE	a	d1
2 174 516	40	25÷32
2 174 517	48	40÷50

B2 2904 11

MCR

RETAINING BOLT - SICHERUNGSBOLZEN - PERNO DI BLOCCAGGIO



Notes

Material: CK45

10

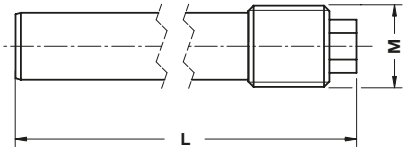
ORDER EXAMPLE	BMW CODE	L=240
	2 174 247	240

BMW CODE	L	M
2 174 247	≤ 300	M 30

B2 2904 11

MCR

RETAINING BOLT - SICHERUNGSBOLZEN - PERNO DI BLOCCAGGIO



Notes

Material: CK45

STOCK

ORDER EXAMPLE	BMW CODE
	2 174 246

BMW CODE	L	M
2 174 780	180	M 30
2 174 246	230	M 30
2 175 009	200	M 20

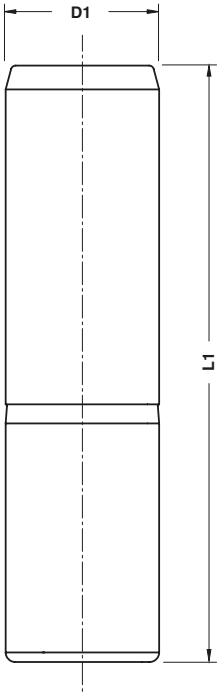
MCR

GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

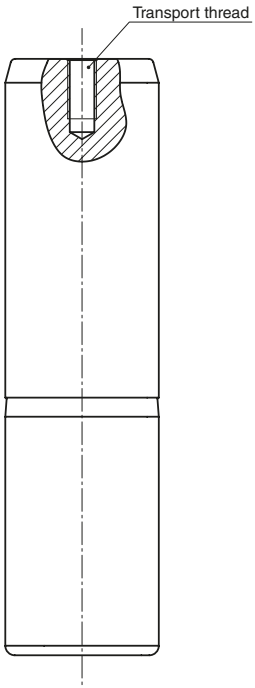
Notes

Material: 16MnCr5 - **HRC** 60÷62

10



FORM A



FORM B

ORDER EXAMPLE

BMW CODE
2 168 678

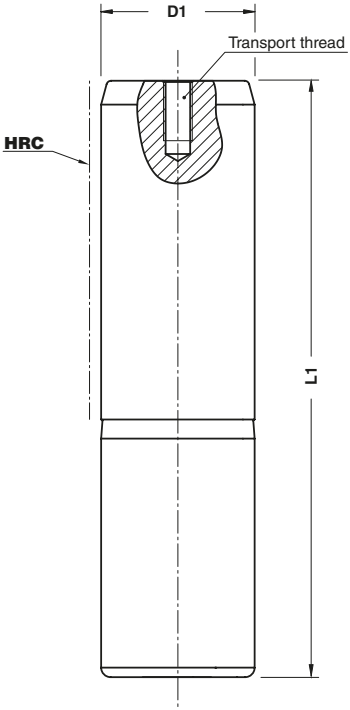
BMW CODE	D1	L1	FORM	BMW CODE	D1	L1	FORM
2 168 677	63	200	A	**2 168 682**	100	250	B
2 168 678	63	250	A	**2 168 684**	100	280	B
2 175 085	63	280	A	**2 168 686**	100	315	B
2 168 679	63	315	A	**2 168 688**	100	355	B
2 168 680	63	355	A				

MCR

GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

Notes

Material: 16MnCr5 - **HRC** 60÷62



ORDER EXAMPLE	BMW CODE
	2 175 006

BMW CODE	d1	l1	BMW CODE	d1	l1
2 175 005	80	250	2 171 214	100	355
2 175 006	80	280	2 171 216	100	400
2 175 007	80	315	2 171 218	125	355
2 175 008	80	355	2 172 239	125	400
2 174 777	100	280	2 171 220	125	450
2 174 778	100	315			

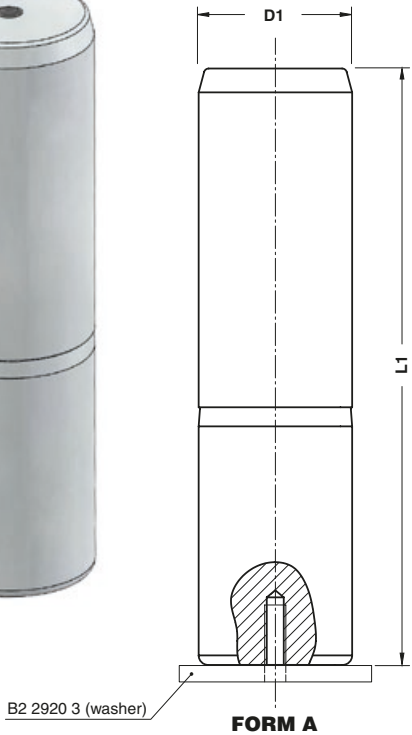
MCR

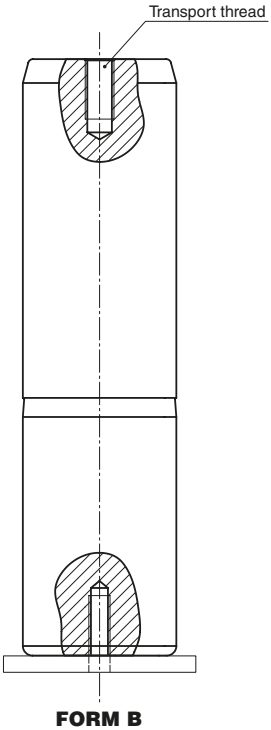
GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

Notes

Material: 16MnCr5 - **HRC** 60÷62

10





ORDER EXAMPLE

BMW CODE
2 173 907

BMW CODE	D1	L1	FORM	Washer Code	BMW CODE	D1	L1	FORM	Washer Code	BMW CODE	D1	L1	FORM	Washer Code
2 173 906	40	160	A	2173912	**2 173 914**	50	200	A	2173919	**2 175 086**	63	280	A	2173925
2 173 907	40	180	A	2173912	**2 173 915**	50	250	A	2173919	**2 173 922**	63	315	A	2173925
2 173 908	40	200	A	2173912	**2 173 916**	50	280	A	2173919	**2 173 923**	63	355	A	2173925
2 173 909	40	224	A	2173912	**2 173 917**	50	315	A	2173919	**2 173 926**	80	250	B	2 173 930
2 173 910	40	250	A	2173912	**2 173 918**	50	355	A	2173919	**2 173 927**	80	280	B	2 173 930
2 173 911	40	280	A	2173912	**2 173 920**	63	200	A	2173925	**2 173 928**	80	315	B	2 173 930
2 173 913	50	160	A	2173919	**2 173 921**	63	250	A	2173925	**2 173 929**	80	355	B	2 173 930

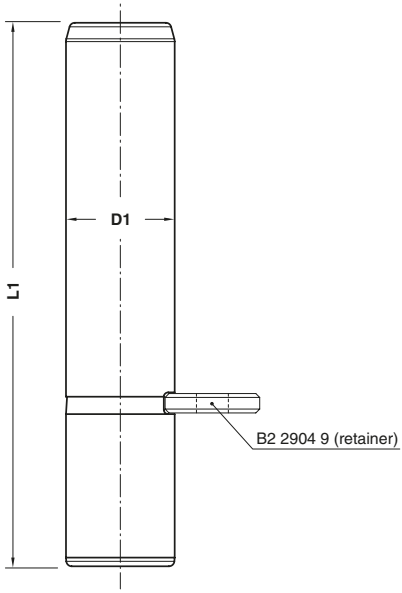
MCR

GUIDE POST - FÜHRUNGSSÄULE - COLONNA GUIDA

Notes

Material: 16MnCr5 - **HRC** 60÷62

10



ORDER EXAMPLE

BMW CODE
2 174 493

BMW CODE	D1	L1	Retainer Code	BMW CODE	D1	L1	Retainer Code	BMW CODE	D1	L1	Retainer Code
2 174 492	25	125	2 174 516	**2 174 499**	40	160	2 174 517	**2 174 506**	50	200	2 174 517
2 174 493	25	140	2 174 516	**2 174 500**	40	180	2 174 517	**2 174 507**	50	250	2 174 517
2 174 494	25	160	2 174 516	**2 174 501**	40	200	2 174 517	**2 174 508**	50	280	2 174 517
2 174 495	25	180	2 174 516	**2 174 502**	40	224	2 174 517	**2 174 509**	50	315	2 174 517
2 174 496	25	200	2 174 516	**2 174 503**	40	250	2 174 517	**2 174 510**	50	355	2 174 517
2 174 497	32	160	2 174 516	**2 174 504**	40	280	2 174 517				
2 174 498	32	200	2 174 516	**2 174 505**	50	160	2 174 517				

B2 2920 001

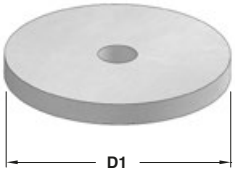
MCR

WASHER - FEDERSCHEIBE - RONDELLA PER COLONNE

Notes

Material: CK45

STOCK



ORDER EXAMPLE

BMW CODE
2 173 919

BMW CODE	D1
2 173 912	60
2 173 919	70
2 173 925	83
2 173 930	100

B2 2920 001

MCR

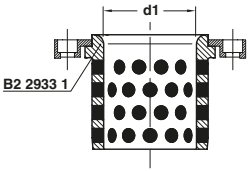
TOE CLAMP - HALTESTÜCK - RITEGNO PER BOCCOLA

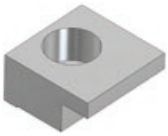
STOCK

Notes

Material: CK45

Application example





ORDER EXAMPLE

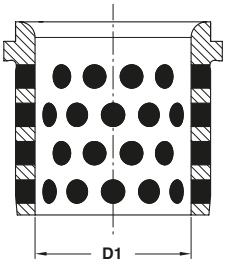
BMW CODE
2 168 842

BMW CODE	d1
2 168 834	25÷50
2 168 842	63÷160
2 172 560	16
2 172 561	20

B2 2933 1

MCR

GUIDE BUSH DIN 9834 - FÜHRUNGSBUCHSE DIN 9834 - BOCCOLA DIN 9834



Notes

Material: Bronze + Graphite
HB > 190

STOCK

ORDER EXAMPLE	BMW CODE
	2 168 700

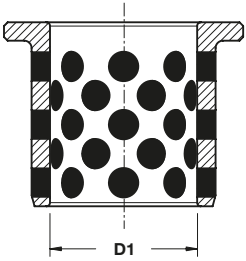
BMW CODE	D1
2 168 699	25
2 168 700	32
2 168 701	40
2 168 702	50
2 168 703	63
2 168 704	80
2 168 705	100
2 168 706	125
2 168 707	160

Standard BMW

B2 2933 2

MCR

GUIDE BUSH - FÜHRUNGSBUCHSE - BOCCOLA



Notes

Material: Bronze + Graphite
HB > 190

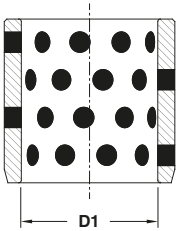
STOCK

ORDER EXAMPLE	BMW CODE
	2 172 557

BMW CODE	D1
2 172 556	16
2 172 557	20

MCR

GUIDE BUSH - FÜHRUNGSBUCHSE - BOCCOLA



Notes

Material: Bronze + Graphite
HB > 190

STOCK

ORDER EXAMPLE	BMW CODE
	2 172 559

BMW CODE	D1
2 172 558	16
2 172 559	20

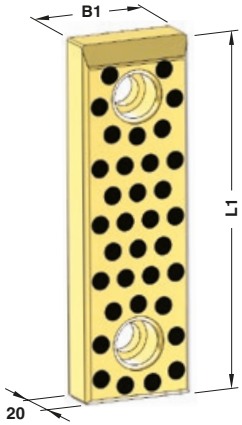
MCR

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

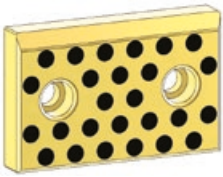
Notes

Material: Bronze + Graphite
HB > 190

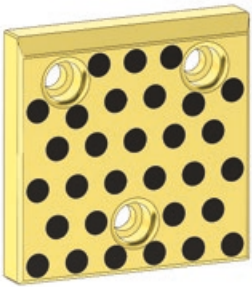
STOCK



FORM A



FORM B



FORM C

ORDER EXAMPLE

BMW CODE
2 168 338

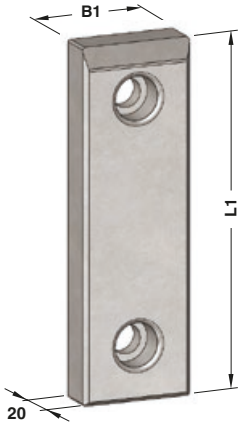
BMW CODE	B1	L1	FORM	BMW CODE	B1	L1	FORM
2 168 337	50	80	A	2 168 352	100	160	B
2 168 338	50	100	A	2 168 353	100	200	B
2 168 339	50	125	A	2 168 354	125	50	B
2 168 340	50	160	A	2 168 355	125	80	B
2 168 341	50	200	A	2 168 356	125	100	C
2 168 342	80	50	B	2 168 357	125	125	C
2 168 343	80	80	A	2 168 358	125	160	C
2 168 344	80	100	A	2 168 359	125	200	C
2 168 345	80	125	A	2 168 360	160	50	B
2 168 346	80	160	A	2 168 361	160	80	B
2 168 347	80	200	A	2 168 362	160	100	C
2 168 348	100	50	B	2 168 363	160	125	C
2 168 349	100	80	B	2 168 364	160	160	C
2 168 350	100	100	A	2 168 365	160	200	C
2 168 351	100	125	A				

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

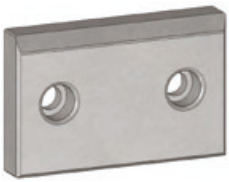
Notes

Material: X153CrMoV12 - **HRC** 58÷60

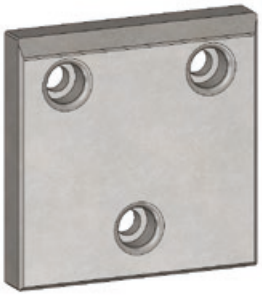
STOCK



FORM A



FORM B



FORM C

ORDER EXAMPLE

BMW CODE
2 168 367

BMW CODE	B1	L1	FORM	BMW CODE	B1	L1	FORM
2 168 366	50	80	A	2 168 381	100	160	B
2 168 367	50	100	A	2 168 382	100	200	B
2 168 368	50	125	A	2 168 383	125	50	B
2 168 369	50	160	A	2 168 384	125	80	B
2 168 370	50	200	A	2 168 385	125	100	C
2 168 371	80	50	B	2 168 386	125	125	C
2 168 372	80	80	A	2 168 387	125	160	C
2 168 373	80	100	A	2 168 388	125	200	C
2 168 374	80	125	A	2 168 389	160	50	B
2 168 375	80	160	A	2 168 390	160	80	B
2 168 376	80	200	A	2 168 391	160	100	C
2 168 377	100	50	B	2 168 392	160	125	C
2 168 378	100	80	B	2 168 393	160	160	C
2 168 379	100	100	A	2 168 394	160	200	C
2 168 380	100	125	A				

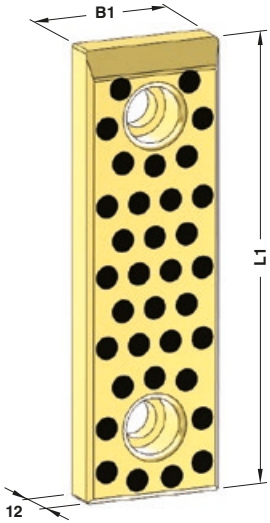
MCR

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

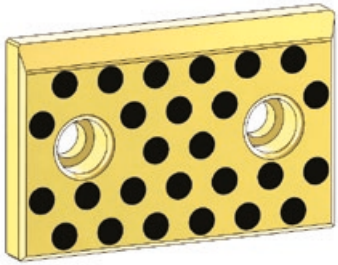
Notes

Material: Bronze + Graphite
HB > 190

STOCK



FORM A



FORM B

ORDER EXAMPLE

BMW CODE
2 169 172

BMW CODE	B1	L1	FORM	BMW CODE	B1	L1	FORM
2 169 171	30	80	A	**2 169 184**	50	160	A
2 169 172	30	100	A	**2 169 185**	50	200	A
2 169 173	30	125	A	**2 169 186**	60	80	A
2 169 174	30	160	A	**2 169 187**	60	100	A
2 169 175	30	200	A	**2 169 188**	60	125	A
2 169 176	40	80	A	**2 169 189**	60	160	A
2 169 177	40	100	A	**2 169 190**	60	200	A
2 169 178	40	125	A	**2 169 191**	80	80	A
2 169 179	40	160	A	**2 169 192**	80	100	A
2 169 180	40	200	A	**2 169 193**	80	125	A
2 169 181	50	80	A	**2 169 194**	80	160	A
2 169 182	50	100	A	**2 169 195**	80	200	A
2 169 183	50	125	A	**3 007 727**	80	50	B

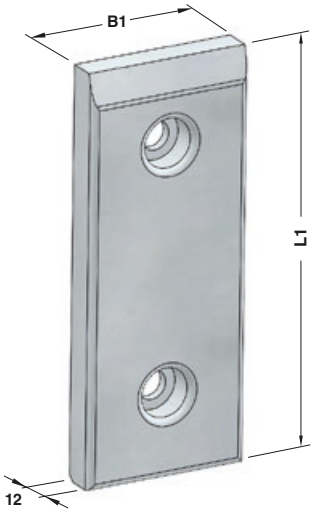
MCR

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

Notes

Material: 16MnCr5 - **HRC** 58÷60

STOCK



ORDER EXAMPLE

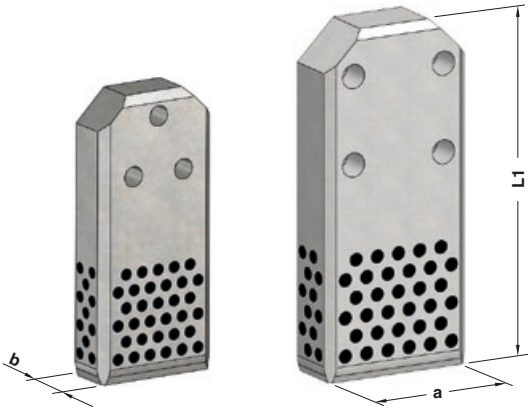
BMW CODE
2 170 889

BMW CODE	B1	L1	BMW CODE	B1	L1
2 170 888	30	80	2 170 901	50	160
2 170 889	30	100	2 170 902	50	200
2 170 890	30	125	2 170 903	60	80
2 170 891	30	160	2 170 904	60	100
2 170 892	30	200	2 170 905	60	125
2 170 893	40	80	2 170 906	60	160
2 170 894	40	100	2 170 907	60	200
2 170 895	40	125	2 170 908	80	80
2 170 896	40	160	2 170 909	80	100
2 170 897	40	200	2 170 910	80	125
2 170 898	50	80	2 170 911	80	160
2 170 899	50	100	2 170 912	80	200
2 170 900	50	125			

B2 2969 11

MCR

GIB VDI 3387 - FÜHRUNGSLASCHE VDI 3387 - GUIDA VDI 3387



FORM A FORM B

Notes

Material: CK45 + Graphite
HRC: 58÷60
Only for replacement
Nur für Reparatur
Solo per riparazione

STOCK

ORDER EXAMPLE

BMW CODE
2 168 880

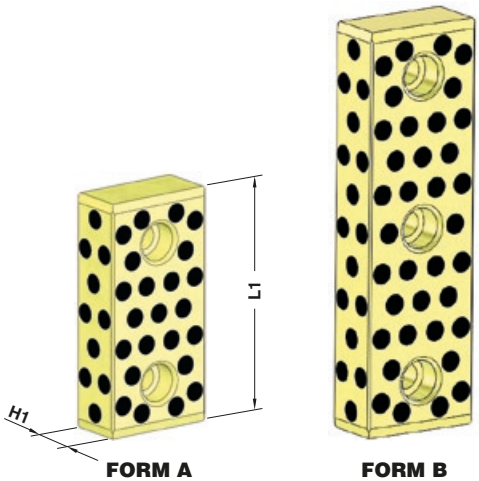
BMW CODE	a	b	L1	FORM
2 168 879	112	45	250	A
2 168 880	140	45	315	B
2 168 881	190	56	400	B
2 174 248	240	56	500	B

Standard BMW

B2 2975 11

MCR

GUIDE BAR VDI 3357 - FÜHRUNGSLEISTE VDI 3357 - LARDONE VDI 3357



FORM A FORM B

Notes

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

STOCK

ORDER EXAMPLE

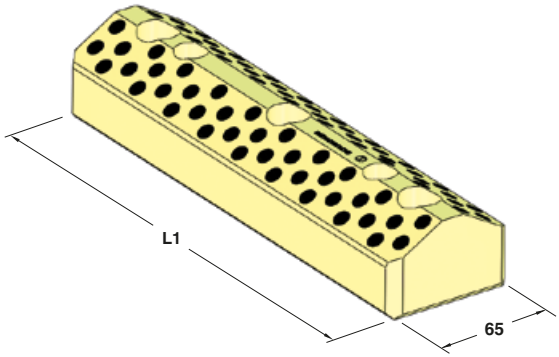
BMW CODE
2 168 884

BMW CODE	H1	L1	FORM
2 168 883	30	125	A
2 168 884	30	160	A
2 168 885	30	200	B
2 168 886	40	125	A
2 168 887	40	160	A
2 168 888	40	200	B

B2 2978 21

MCR

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



Notes

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

STOCK

ORDER EXAMPLE

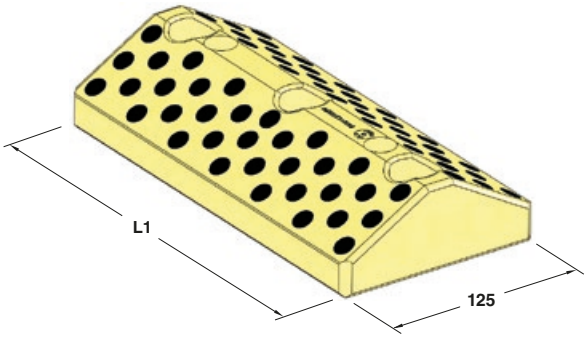
BMW CODE
2 168 900

BMW CODE	L1
2 168 899	150
2 168 900	200
2 168 901	250
2 168 902	300

B2 2978 21

MCR

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



Notes

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

STOCK

ORDER EXAMPLE

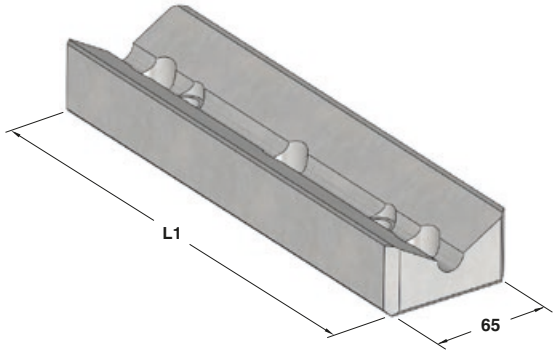
BMW CODE
2 168 904

BMW CODE	L1
2 168 903	150
2 168 904	200
2 168 905	250
2 168 906	300

B2 2978 21

MCR

"V" DRIVER VDI 3357 - PRISMENFÜHRUNG VDI 3357 - GUIDA A "V" VDI 3357



Notes

Material: CK45 - **HRC:** 58÷60

STOCK

ORDER EXAMPLE

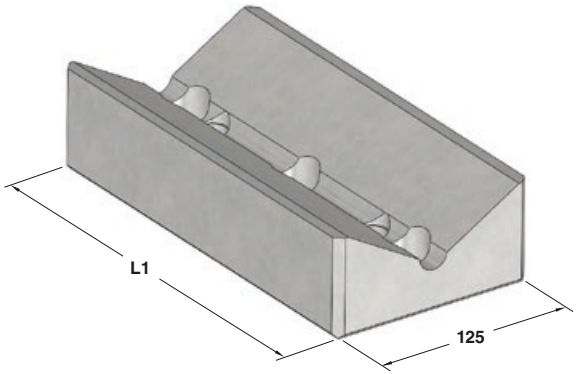
BMW CODE
2 168 919

BMW CODE	L1
2 168 918	150
2 168 919	200
2 168 920	250
2 168 921	300

B2 2978 21

MCR

"V" DRIVER VDI 3357 - PRISMENFÜHRUNG VDI 3357 - GUIDA A "V" VDI 3357



Notes

Material: CK45 - **HRC:** 58÷60

STOCK

ORDER EXAMPLE

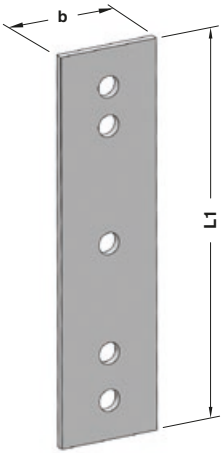
BMW CODE
2 168 923

BMW CODE	L1
2 168 922	150
2 168 923	200
2 168 924	250
2 168 925	300

B2 2978 23

MCR

DISTANCE PLATE FOR "V" DRIVER
HÖHENAUSGLEICH FÜR PRISMENFUHRUNG
DISTANZIALE PER GUIDA A "V"



Notes

Material: St52

STOCK

ORDER EXAMPLE

BMW CODE
2 172 953

BMW CODE	b	L1
2 172 952	65	150
2 172 953	65	200
2 172 954	65	250
2 172 955	65	300
2 172 956	125	150
2 172 957	125	200
2 172 958	125	250
2 172 959	125	300

B2 3001 021

MCR

SLIDE STOP BLOCK - SCHIEBERRANSCHLAG - ARRESTO SLITTA

Notes

Material: CK45

STOCK

ORDER EXAMPLE

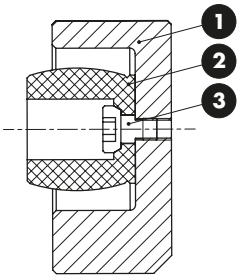
BMW CODE
2 175 393

BMW CODE
2 175 393

B2 3001 021

MCR

SLIDE STOP BLOCK - SCHIEBERRANSCHLAG - ARRESTO SLITTA



Notes

1. **Material:** CK45
2. **Material:** CO-Polyester Elastomer
3. Screw

STOCK ...

ORDER EXAMPLE

BMW CODE
2 174 768

BMW CODE
2 174 768

B2 3001 021

MCR

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO

Notes

Material: CO-Polyester Elastomer

STOCK

ORDER EXAMPLE

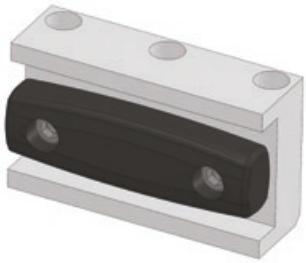
BMW CODE
2 174 767

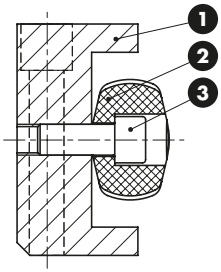
BMW CODE
2 174 767

B2 3001 021

MCR

SLIDE STOP BLOCK - SCHIEBERRANSCHLAG - ARRESTO SLITTA





Notes

1. **Material:** CK45
2. **Material:** CO-Polyester Elastomer
3. M10x30 DIN 912

STOCK ...

ORDER EXAMPLE

BMW CODE
2 174 838

BMW CODE
2 174 838

B2 3001 021

MCR

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO

Notes

Material: CO-Polyester Elastomer

STOCK

ORDER EXAMPLE

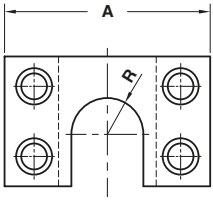
BMW CODE
2 174 837

BMW CODE
2 174 837

B2 3302 21

MCR

COUPLING PLATE – BEFESTIGUNGSPLATTE - STAFFA DI FISSAGGIO



Notes

Material: CK45

STOCK

ORDER EXAMPLE

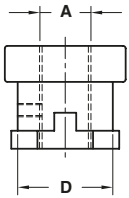
BMW CODE
2 175 052

BMW CODE	A	R
2 175 051	100	20
2 175 052	120	25

B2 3302 21

MCR

COUPLING NUT - KUPPLUNGSMUTTER - AGGANCIO STAFFA



Notes

Material: CK45

STOCK

ORDER EXAMPLE

BMW CODE
2 175 054

BMW CODE	A	D
2 175 053	M16x1,5	37
2 175 054	M20x1,5	37
2 175 055	M27x2	47
2 175 056	M36x2	47

B2 3602 15

MCR

SHIM - PRÄGESTEMPEL - SPESSORE

Notes

Material: St37

STOCK

ORDER EXAMPLE	BMW CODE
	2 168 546

BMW CODE
2 168 546

B2 3602 15

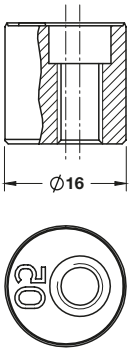
MCR

VISUAL LOCATOR SETTING PUNCH
STEMPEL F. ENTGASUNGSNOPPEN
PUNZONE DI VISUALIZZAZIONE

Notes

Material: X155CrVMo12 - **HRC:** 55÷58

STOCK



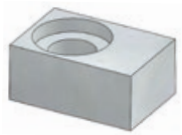
ORDER EXAMPLE	BMW CODE	Option
	2 171 527	U 25

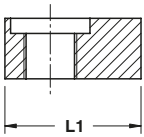
BMW CODE	Option	BMW CODE	Option	BMW CODE	Option
2 169 003	2 digit number	2 171 529	B + 2 digit number	2 173 812	P + number 3
2 171 527	U + 2 digit number	2 171 530	2 digit number	2 173 813	P + number 4
2 171 528	A + 2 digit number	2 171 531	L	2 173 714	LP + number 1
2 175 080	CN	2 171 532	R	2 173 715	LP + number 2
2 171 530	C	2 174 593	-	2 173 716	RP + number 1
2 169 002	-	2 173 712	P + number 1	2 173 717	RP + number 2
2 171 533	2 digit number	2 173 713	P + number 2		

B2 3765 1

MCR

KEY - PASSFEDER - CHIAVETTA





Notes

Material: CK45

STOCK

ORDER EXAMPLE	BMW CODE
	2 175 929

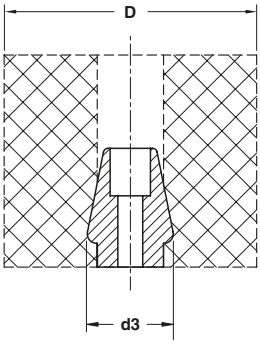
BMW CODE	L1
2 175 928	16
2 175 929	18
2 175 930	20
2 175 931	22
2 175 932	26
2 175 933	32
2 175 934	35
2 175 935	40

Standard BMW

B2 3925 11

MCR

ELASTOMER SPRING PIN - AUFNAHMEBOLZEN - PERNO PER MOLLE



Notes

Material: CK45

Only for replacement
Nur für Reparatur
Solo per riparazione

STOCK

ORDER EXAMPLE	BMW CODE
	2 169 345

BMW CODE	D	d3
2 169 344	63	28
2 169 345	80÷100	32
2 169 346	125	38

B2 4010 1

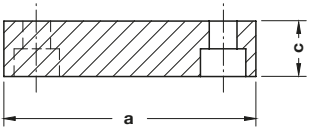
MCR

BACKING PLATE - DISTANZKAPPE - REAZIONE PER CILINDRO

Notes

Material: 90MnCrV8 - **HRC:** 50÷52

STOCK



ORDER EXAMPLE

BMW CODE
2 171 499

BMW CODE	a	c
2 171 498	40	12
2 171 499	60	15
2 171 500	70	15
2 171 501	100	20
2 175 147	110	20

B2 4068 1

MCR

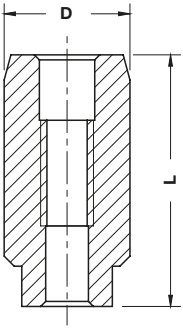
LOCATING PIN - ZENTRIERBOLZEN - CENTRAGGIO

Notes

Material: 16MnCr5 - **HRC:** 58÷60

Only for replacement
Nur für Reparatur
Solo per riparazione

STOCK



ORDER EXAMPLE

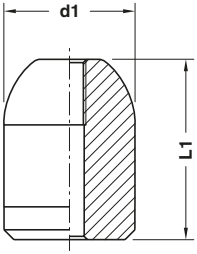
BMW CODE
2 169 053

BMW CODE	D	L
0 970 435	25	50
2 169 053	25	65
0 970 413	32	50
2 169 054	32	65
0 970 412	40	50
2 169 055	40	65
0 970 411	50	50
2 169 056	50	65

B2 4068 2

MCR

LOCATING PIN - ZENTRIERBOLZEN - CENTRAGGIO



Notes

Material: 16MnCr5 - **HRC:** 58÷60

STOCK

ORDER EXAMPLE

BMW CODE
2 172 411

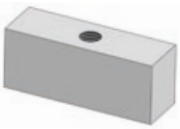
BMW CODE	d1	L1
2 172 410	22	45
2 172 411	32	50
2 172 412	40	55
2 172 413	50	55
2 173 658	56	80

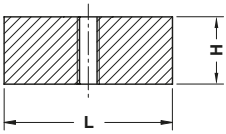
Standard BMW

B2 4069 1

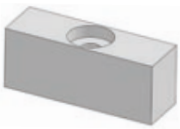
MCR

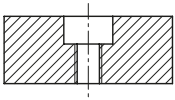
KEY - PASSFEDER - CHIAVETTA





FORM A





FORM B

Notes

Material: CK45

STOCK

ORDER EXAMPLE

BMW CODE	FORM
2 172 224	A

BMW CODE	H	L	FORM
2 172 053	14	80	A
2 172 224	30	80	A
2 172 808	14	50	A
2 172 809	30	120	A
2 174 226 A	20	50	A
2 174 226 B	20	50	B
2 174 227 A	20	80	A
2 174 227 B	20	80	B
2 174 835	10	50	B
2 174 836	10	80	B

MCR

LIFTING PIN - TRAGBOLZEN MIT FALLRINGSICHERUNG - PERNO DI SOLLEVAMENTO

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.

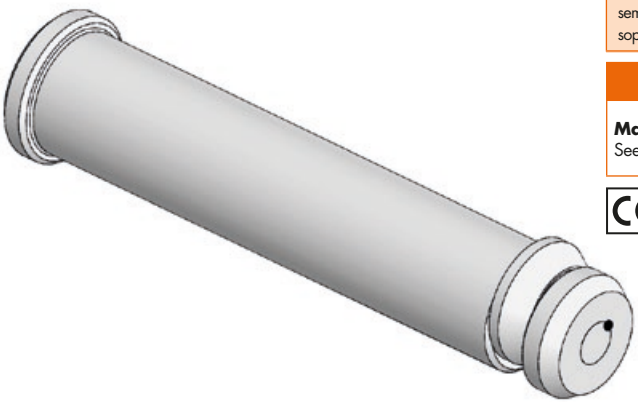
Aus Sicherheitsgründen stets berücksichtigen, dass zwei Tragbolzen das gesamte Werkzeuggewicht tragen müssen.

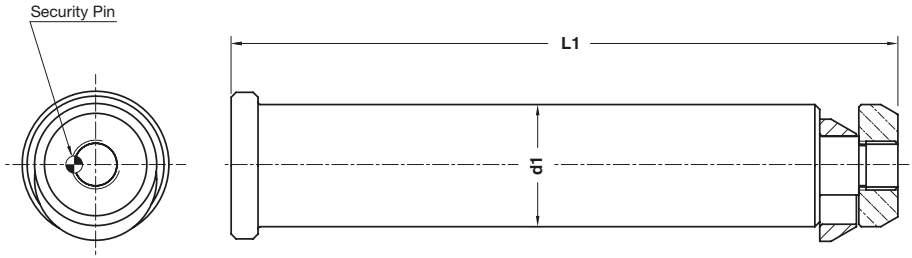
Per ragioni di sicurezza, considerare sempre che il peso dello stampo deve essere sopportato da 2 soli perni.

Notes

Material:
See table - siehe Tabelle - vedi tabella

CE STOCK





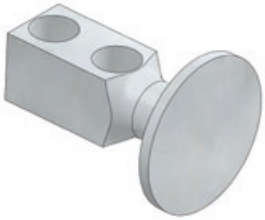
ORDER EXAMPLE

BMW CODE
2 168 396

BMW CODE	Max load (kg)	Max die weight (kg)	L1	d1	Material
2 168 395	3200	6400	175	32	CK45
2 168 396	5000	10000	225	40	CK45
2 168 397	8000	16000	273	50	CK45
2 168 398	12500	25000	347	63	CK45
2 168 399	31500	63000	422	76	42CrMo4 + QT

MCR

LIFTING BRACKET WITH ROPE STOP SAFETY
TRAGZAPFEN MIT SEILSICHERUNG
STAFFA DI SOLLEVAMENTO CON SICUREZZA FERMAFUNE



FORM A

FORM B

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 brackets.

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

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

Notes

Material: CK45 - 700÷800 N/mm²

Screws not included

CE STOCK

ORDER EXAMPLE

BMW CODE
3 275 834

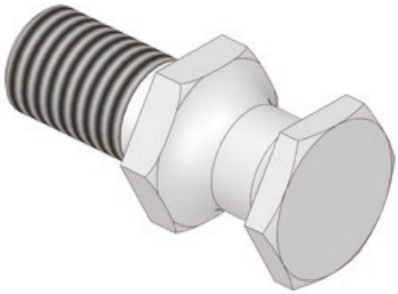
BMW CODE	Max load (kg)	Max die weight (kg)	FORM
2 169 231	320	640	A
3 275 834	630	1260	A
3 275 835	1250	2500	A
3 275 836	2000	4000	A
3 275 838	3200	6400	A

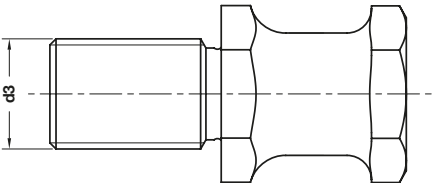
BMW CODE	Max load (kg)	Max die weight (kg)	FORM
3 275 839	5000	10000	A
3 275 840	8000	16000	B
2 169 238	12500	25000	B
2 169 239	20000	40000	B

B2 5602 12

MCR

LIFTING PIN VDI 3366
TRAGSCHRAUBE VDI 3366
PERNO DI SOLLEVAMENTO VDI 3366





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: CK45 - 700÷800 N/mm²

CE STOCK

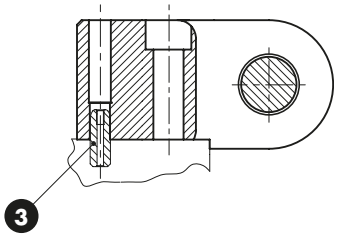
ORDER EXAMPLE

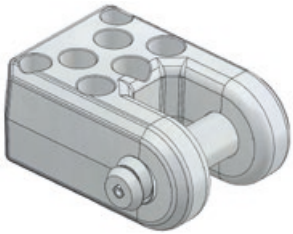
BMW CODE
2 172 289

BMW CODE	Max load (kg)	Max die weight (kg)	d3
2 172 288	320	640	M16
2 172 289	500	1000	M20

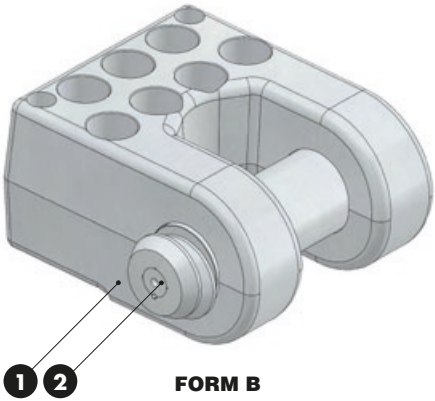
MCR

LIFTING BRACKET WITH PIN AND LOCATING PINS
TRAGWANGE MIT TRAGBOLZEN UND ZENTRIERBOLZEN
STAFFA DI SOLLEVAMENTO COMPLETA DI PERNO E CENTRAGGI





FORM A



FORM B

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 brackets.

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

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

Notes

1 **Material:** St52

2 **Material:** CK45

3 B2 4068 2
Material: 16MnCr5 - **HRC:** 58÷60

Screws not included

CE STOCK

Standard BMW

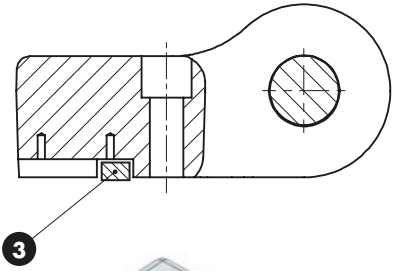
ORDER EXAMPLE

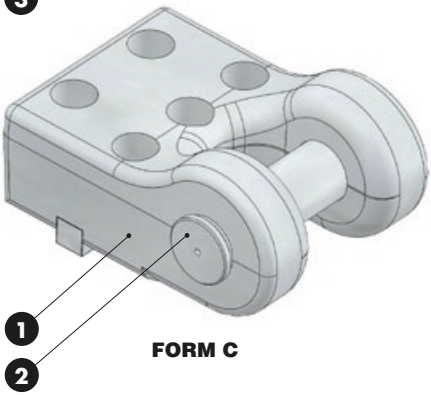
BMW CODE
2 174 861

BMW CODE	Max load (kg)	Max die weight (kg)	FORM
2 174 690	3200	6400	A
2 174 861	5000	10000	A
2 174 692	8000	16000	A

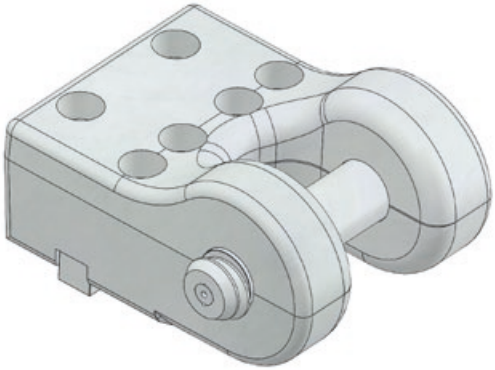
BMW CODE	Max load (kg)	Max die weight (kg)	FORM
2 175 233	12500	25000	A
2 174 694	18000	36000	B

LIFTING BRACKET WITH PIN AND KEYS
TRAGWANGE MIT TRAGBOLZEN UND PASSFEDER
STAFFA DI SOLLEVAMENTO COMPLETA DI PERNO E CHIAVETTE





FORM C



FORM D

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 brackets.

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

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

Notes

1 **Material:** St52

2 **Material:** CK45 - **FORM C**

2 **Material:** 42CrMo4 - **FORM D**

3 C14.20 - **Material:** CK45

Screws not included

STOCK

ORDER EXAMPLE

BMW CODE
2 174 864

BMW CODE	Max load (kg)	Max die weight (kg)	FORM
2 174 863	25000	50000	C
2 174 864	31500	63000	D

MCR

REPLACEMENT LIFTING PIN FOR LIFTING BRACKET BMW
ERSATZTRAGBOLZEN FÜR TRAGWANGE BMW
PERNO DI RICAMBIO PER STAFFA DI SOLLEVAMENTO BMW

Respect the max load
Maximale Nutzlast beachten
Rispettare il carico Max

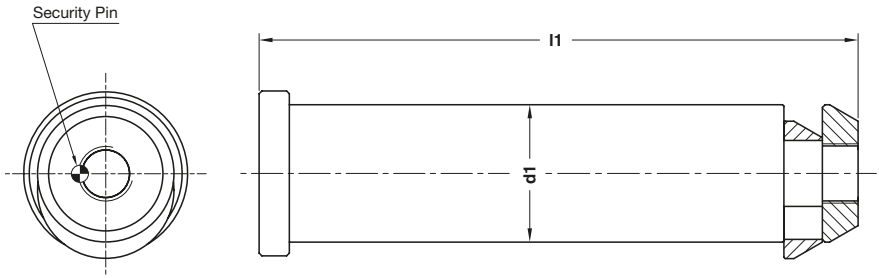
WARNING - ACHTUNG - ATTENZIONE:

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.

CE STOCK



ORDER EXAMPLE

BMW CODE
2 174 867

BMW CODE	Max load (kg)	Max die weight (kg)	l1	d1	Material
2 168 400	3200	6400	158	30	CK45
2 174 867	5000	10000	187	40	CK45
2 168 402	8000	16000	220	50	CK45
2 174 868	12500	25000	246	60	CK45
2 168 404	18000	36000	305	80	CK45
2 174 865	25000	50000	360	80	CK45
2 174 866	31500	63000	405	80	42CrMo4 + QT

B2 5702 12

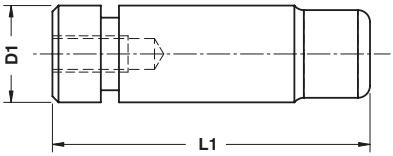
MCR

PAD RETAINER PIN - STECKBOLZEN - PERNO DI ARRESTO

Notes

Material: 42CrMo4
800÷1000 N/mm²

STOCK



ORDER EXAMPLE

BMW CODE
2 173 660

BMW CODE	D1	L1	BMW CODE	D1	L1
2 173 659	32	111	2 173 663	32	128
2 173 660	40	145	2 173 664	40	165
2 173 661	50	171	2 173 665	50	196
2 173 662	63	206	2 173 666	63	241

B2 5702 12

MCR

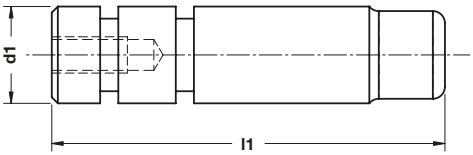
PAD RETAINER PIN - STECKBOLZEN - PERNO DI ARRESTO

Notes

Material: 42CrMo4

Only for replacement
Nur für Reparatur
Solo per riparazione

STOCK



ORDER EXAMPLE

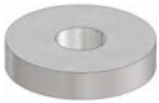
BMW CODE
2 173 668

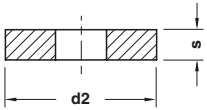
BMW CODE	d1	l1	BMW CODE	d1	l1
2 173 667	32	136	2 173 671	32	153
2 173 668	40	177	2 173 672	40	197
2 173 669	50	211	2 173 673	50	236
2 173 670	63	256	2 173 674	63	291

B2 6201 11

MCR

WASHER - SCHEIBE - RONDELLA





STOCK

Notes

Material: CK45 - **HRC:** 45÷50

ORDER EXAMPLE

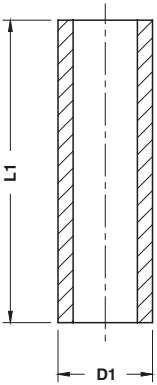
BMW CODE
0 281 619

BMW CODE	d2	s
0 281 618	56	10
0 281 619	42	8
0 281 620	35	6
2 171 891	68	10

B2 6201 12

MCR

SPACER TUBE - DISTANZBUCHSE - TUBO DISTANZIALE



Notes

Material: St37 - **HRC:** 60÷64

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

STOCK = ●

10 = ○

ORDER EXAMPLE

BMW CODE
2 168 800

BMW CODE	D1	L1	Delivery Time
0 266 957	16	125	●
2 168 802	16	50	●
2 168 803	16	63	●
2 168 804	16	80	●
2 168 807	16	200	●
2 168 808	20	50	●
2 168 809	20	63	●
2 168 811	20	100	●
2 168 812	20	125	●
2 168 813	20	200	●
2 168 814	25	50	●
2 168 815	25	63	●

BMW CODE	D1	L1	Delivery Time
2 168 816	25	80	●
2 168 817	25	100	●
2 168 818	25	125	●
2 168 819	25	200	●
2 168 820	30	50	●
2 168 821	30	63	●
2 168 822	30	80	●
2 168 823	30	100	●
2 168 824	30	125	●
2 168 825	30	150	●
2 168 826	30	200	●
2 168 829	36	125	●

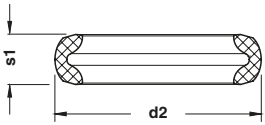
BMW CODE	D1	L1	Delivery Time
2 168 830	36	150	●
2 168 831	36	200	●
2 168 832	42	150	●
2 168 833	42	200	●
2 171 893	16	>200	○
2 171 894	20	>200	○
2 171 895	25	150	●
2 171 896	25	>200	○
2 171 897	30	>200	○
2 171 898	36	>200	○
2 171 899	42	>200	○
2 172 153	36	80	●

BMW CODE	D1	L1	Delivery Time
2 173 792	16	<200	○
2 173 793	20	<200	○
2 173 794	25	<200	○
2 173 795	30	<200	○
2 173 796	36	<200	○
2 173 797	42	<200	○
3 021 663	16	100	●
3 021 664	36	100	●
3 021 666	20	80	●

B2 6202 1

MCR

BUFFER - STOSSDÄMPFER - AMMORTIZZATORE



STOCK

Notes

Material: CO-Polyester Elastomer

ORDER EXAMPLE

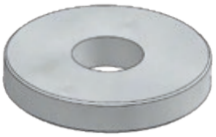
BMW CODE
2 173 881

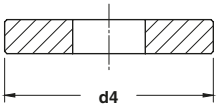
BMW CODE	d2	s1	Shore	Max load (kN)
2 173 880	26,2	7,7	55D	5500
2 173 881	32,1	10,8	72D	9000
2 173 882	46,3	17,7	72D	20000
2 173 883	54,6	21,6	55D	30000
2 173 884	61,8	21,5	55D	46000
2 173 885	78,2	30	55D	75000

B2 6202 1

MCR

WASHER - SCHEIBE - RONDELLA





STOCK

Notes

Material: CK45

ORDER EXAMPLE

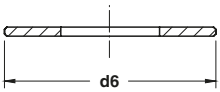
BMW CODE
2 175 382

BMW CODE	d4
2 175 381	30
2 175 382	35
2 175 383	50
2 175 384	65
2 175 385	70
2 175 386	90

B2 6202 1

MCR

WASHER - SCHEIBE - RONDELLA



STOCK

Notes

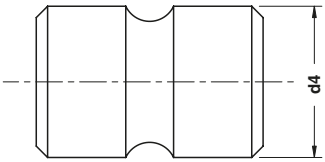
Material: 90MnCrV8 - **HRC:** 56

ORDER EXAMPLE

BMW CODE
2 175 388

BMW CODE	d6
2 175 387	30
2 175 388	35
2 175 389	50
2 175 390	65
2 175 391	70
2 175 392	90

SHOCK ABSORBER - HALTEELEMENT - AMMORTIZZATORE



Notes

Material: CO-Polyester Elastomer

STOCK

ORDER EXAMPLE	BMW CODE
	2 173 698

BMW CODE	d4
2 173 697	40
2 173 698	50
2 173 699	63
2 173 700	80