

Die Components OMCR
OMCR Normalien
Componenti OMCR

OMCR®

STANDARD DIE COMPONENTS

MAIN INDEX

Die Components
Werkzeugkomponenten
Componenti per Stampi

GB **OMCR**'s line of die components offers an extraordinary variety of items meeting the standards of the leading automotive manufacturers. Thanks to the widespread use of computerised management systems, flexible production systems and wide availability of items in stock, this range of products meets the majority of customers needs and ensures quality, reliability and quick delivery. In this **Die Components** range we offer the **OMCR Standard** series, results of a selection which has allowed us to identify the ideal standard items for an efficient design and manufacture of dies for working sheet metal.

D Die Linie der **Werkzeugkomponenten** bietet eine außergewöhnliche Vielfalt an Artikeln, die den Normen der europäischen Automobilhersteller entsprechen. Dank der EDV-gestützten Steuerung des Unternehmens, flexibler Produktionssysteme und durch einen großen Bestand an fertigen Produkten im Lager deckt diese Produktreihe den Bedarf der Kunden in vollem Umfang ab und gewährleistet Qualität, Zuverlässigkeit und schnelle Lieferung.
Unsere **Werkzeugkomponenten** beinhalten auch die Serie **Standard OMCR**, eine Auswahl an Normalien zur effizienten Konstruktion von Stanzwerkzeugen.

I La linea **Componenti per Stampi** offre una straordinaria varietà di articoli, conformi alle normative delle principali case automobilistiche. Grazie al diffuso utilizzo di sistemi informatici di gestione, di sistemi di produzione flessibili e all'ampia disponibilità di prodotti pronti a magazzino, questa gamma di prodotti risponde in modo esauriente alle necessità dei clienti e garantisce qualità, affidabilità e rapidità nelle consegne.
All'interno della linea **Componenti per Stampi**, proponiamo la serie **Standard OMCR**, frutto di una selezione che ha permesso di individuare i normalizzati ideali per un'efficiente progettazione di stampi lavorazione lamiere.







C10.09	C10.10	C10.11	C10.12	C10.13
				
BMW-MERCEDES-BENZ-FCA-FORD-OPEL-VW/AUDI	BMW-MERCEDES-BENZ-FCA-FORD-OPEL-VW/AUDI			MERCEDES-BENZ
Gage hardened Einweiser gehärtet Riferimento indurito	Gage Einweiser Riferimento	Gage for sensor Einweiser für Teillagekontolle Riferimento per sensore	Gage Einweiser Riferimento	Gage hardened Einweiser gehärtet Riferimento indurito
22	23	24	25	26

C10.14	C10.15	C10.16	C10.17	C10.18
				
MERCEDES-BENZ	BMW - FCA	VW/AUDI		BMW - MERCEDES-BENZ
Gage Einweiser Riferimento	Gage for sensor Einweiser für Teillagekontolle Riferimento per sensore	Gage Feineinweiser Riferimento di precisione	Adjustable gage Einstellbarer einweiser Riferimento regolabile	Gage Einweiser Riferimento
26	27	28	29	30

C10.20	C10.25	C10.30	C10.50	C10.90
				
FCA - OPEL	VW/AUDI			
Front gage Einlaufanschlag Portasensore	Support for sensor Lagekontrolle für Platinen Supporto sensore	Gage Einweiser Riferimento	Gage Einweiser Riferimento	Sensor Induktive sensor Sensore
31	32	34	35	36

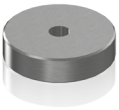
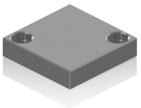
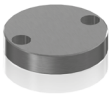
C10.91	C10.92	C10.95	C11.08	C11.09
				
		FORD - VW/AUDI		FCA - VW/AUDI
Connector Steckverbinder Connettore	Sensor Induktive sensor Sensore	Plate for sensor Halterung Piastrina portasensore	Locating cone Kegeldistanz Cono di centraggio	Locating cone Kegeldistanz Cono di centraggio
37	38	39	40	42

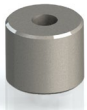
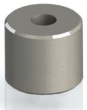
C11.11	C11.12	C11.15	C11.20	C11.22
				
FCA - VW/AUDI	FCA	BMW	VW/AUDI	BMW
Locating cone Kegeldistanz Cono di centraggio	Locating pin Zentrierbolzen Perno di centraggio	Locating pin Zentrierbolzen Perno di centraggio	Locating pin Zentrierbolzen Perno di centraggio	Locating pin Zentrierbolzen Perno di centraggio
44	46	46	47	47

C11.30	C11.31	C11.32	C11.33	C11.40
				
VW/AUDI	FCA	FCA	FORD	FCA-PSA-RENAULT
Visual locator setting punch Endkontrollstempel Punzone di visualizzazione	Visual locator punch Endkontrollstempel Punzone di visualizzazione	Adjustment plate Scheibe Rondella di registro	Visual locator punch Endkontrollstempel Punzone di visualizzazione	Stamp retainer Halteplatte Portatimbri
48	49	50	50	51

C11.45	C11.50	C11.51	C12.10.?	C12.11.?
				
FCA-PSA-RENAULT	FCA-PSA-RENAULT	FCA - PSA - RENAULT	BMW - FORD - OPEL	VW/AUDI
Backing plate Druckplatte Reazione	Stamp Buchstabenstempel Punzone marchio	Stamp Buchstabenstempel Punzone marchio	Air cushion pin Druckbolzen Candela	Lower air cushion pin Unterluftbolzen Candela inferiore
52	53	54	55	56

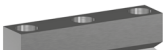
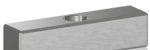
C12.11.?	C12.12	C12.12	C12.12	C12.12.?
				
VW/AUDI	BMW - MERCEDES BENZ	BMW - MERCEDES BENZ	BMW - MERCEDES BENZ	BMW - MERCEDES BENZ
Lower air cushion pin Unterluftbolzen Candela inferiore	Upper air cushion pin Oberluftbolzen Candela superiore	Upper air cushion pin Oberluftbolzen Candela superiore	Upper air cushion pin Oberluftbolzen Candela superiore	Upper air cushion pin Oberluftbolzen Candela superiore
57	58	59	60	61

C12.16	C12.20	C12.21	C12.22	C12.23
				
BMW VW/AUDI	FCA		VW/AUDI	VW/AUDI
Spacer plate toothed Distanzplatte gezahnt Tassello di compensazione	Compensation block Abstandsblock Tassello di compensazione	Shim Ausgleichscheib Spessore	Pressure plate Druckplatte Piastra di reazione	Pressure plate Druckplatte Piastra di reazione
62	63	63	64	65

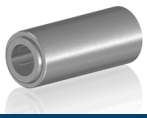
C12.24	C12.25	C12.26	C12.26.?	C12.27
				
BMW - FCA - MERCEDES-BENZ	FORD	VW/AUDI	VW/AUDI	VW/AUDI
Pressure plate Druckplatte Piastra di reazione	Balance block Distanzstück Distanziale	Balance block Distanzstück Distanziale	Balance block Distanzstück Distanziale	Balance block Distanzstück Distanziale
66	67	68	70	72

C12.27.?	C12.28	C12.30	C12.30.?	C13.10
				
VW/AUDI	PSA	VW/AUDI	VW/AUDI	VW/AUDI
Balance block Distanzstück Distanziale	Balance block Distanzstück Distanziale	Spacing bar Abstellbolzen Distanziale	Spacing bar Abstellbolzen Distanziale	Pad retainer pin VDI 3365 Steckbolzen VDI 3365 Perno di arresto VDI 3365
74	76	78	80	82

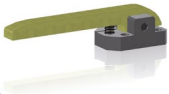
C13.11	C13.20.?	C13.24	C13.25.?	C13.26.?
				
VW/AUDI	FCA - FORD			FORD
Pad retainer pin VDI 3365 Steckbolzen VDI 3365 Perno di arresto VDI 3365	Retainer bolt Zugbolzensatz Gruppo tirante	Ground collar screw Schraube mit distanzrohr Vite con colletto	Pad retainer Halteelement Gruppo tirante	Pad retainer Halteelement Gruppo tirante
83	84	86	88	88

C13.27	C13.29	C13.30	C14.09	C14.10
				
BMW - VW/AUDI			VW/AUDI	FCA
Anti-rebound pad retainer Halteelement mit Dämpfung Gruppo tirante antirimbalzo	Spacer tube Distanzbuchse Tubo distanziale	Collar screw Schulter-passchraube Vite con colletto	Key Passfeder Chiavetta di reazione	Key Passfeder Chiavetta di reazione
89	92	94	95	96

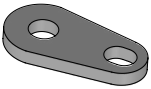
C14.11	C14.20	C14.25	C14.28	C14.30
				
FORD - JLR - VW/AUDI			VW/AUDI	VW/AUDI
Retainer Haltestück Ritegno per matrice	Key Passfeder Chiavetta di reazione	Key Passfeder Chiavetta di reazione	Key Passfeder Chiavetta	Locating block Fangbacke Tassello di centraggio
96	97	98	99	100

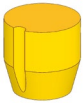
C15.10	C15.11	C15.12	C15.13	C15.14
				
FCA	FCA	FCA	FCA	
Clamp Befestigungselement Morsetto	Sleeve Führungseinheit Canotto guida	Guide post Führungssaule Colonna	Union nut Befestigungselement Dado di unione	Air coupling bracket Luftanschlussblock Supporto innesti rapidi
101	101	102	103	104

C15.15	C16.18	C16.19	C16.20	C16.20
				
	VW/AUDI	VW/AUDI	VW/AUDI	VW/AUDI
Flux control Verteilerblock Regolatore di flusso	Roller Rolle Rotella	Roller Rolle Rotella	Roller stock lifter Federnde laufrolle Rullino sollevamento nastro	Roller stock lifter Federnde laufrolle Rullino sollevamento nastro
105	106	106	107	108

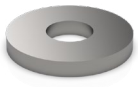
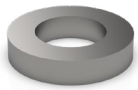
C16.21	C16.25	C16.26	C16.27	C16.30
				
FCA		FCA	BMW - MERCEDES-BENZ	
Roller group Förderrolle Gruppo rullini	Coil support Abstreifer Sollevatore nastro	Ball caster Kugelrollensystem Sfera portante	Coil guide roller Führungsrolle Guida nastro	Flange lifter Abstreifer Sflangiatore
109	110	111	112	113

C16.31	C16.40	C16.45	C16.50	C17.10
				
	FCA		VW/AUDI	FCA - PSA
Flange lifter Abstreifer Sflangiatore	Spring plunger Federne druckstücke Espulsore a molla	Spring plunger Federne druckstücke Espulsore a molla	Spring rams Federbolzen Sollevatore	Elastomer spring Elastomerfeder Molla in elastomero
114	115	116	117	118

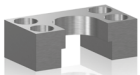
C17.11	C17.15	C17.16	C17.17	C17.18
				
Elastomer spring Elastomerfeder Molla in elastomero	Elastomer stripper Abstreifer Estrattore per punzoni	Washer Scheibe Rondella	Elastomer spring Elastomerfeder Molla in elastomero	Stripping unit - Pressure plate Abstreifer - Druckplatte Piastra premente dell'estrattore
121	124	124	125	126

C17.19	C17.20	C17.21	C17.27	C17.30
				
	FCA - PSA	OPEL	BMW - VW/AUDI	FCA
Stripping unit - Mounting plate Abstreifer - Halteplatte Piastra di fissaggio dell'estrattore	Elastomer cap Elastomerdruckstück Puntalino in elastomero	Shock absorber Halteelement Ammortizzatore	Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo	Elastomer spring pin Aufnahmebolzen Perno per molle in elastomero
126	127	127	128	129

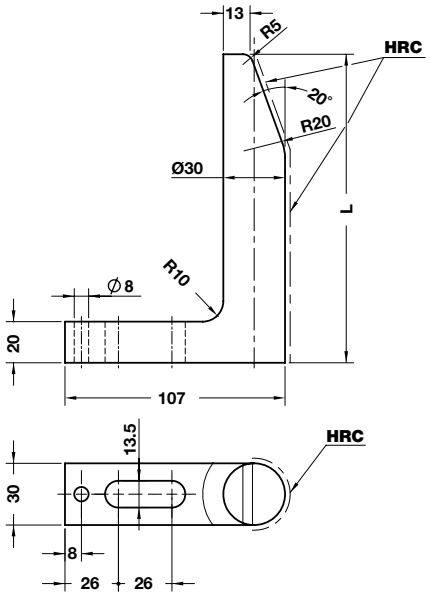
C17.31	C17.32	C17.40	C17.51	C17.52
				
		FCA - VW/AUDI	VW/AUDI - BMW	BMW
Washer for elastomer spring Federscheibe Rondella per molle in elastomero	Column DIN 9835 Führungsbolzen DIN 9835 Colonna di guida DIN 9835	Stripper for blanking dies Abstreifer für Platinenschnitte Estrattore per stampi	Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo	Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo
130	131	132	133	134

C17.62	C17.64	C17.66	C17.68	C18.05
				
				BMW - VW/AUDI
Washer DIN 6340 Scheibe DIN 6340 Rondella DIN 6340	Washer Scheibe Rondella	Thrust washer Auflagescheibe Disco di appoggio	Space washer Scheibe distanzring Rondella distanziatrice	Anti-rebound slide stop Arretierung gegen Rückfederung Arresto anti rimbalzo
135	136	137	138	139

C18.06	C18.07	C18.10	C18.11	C18.12
				
VW/AUDI	BMW - VW/AUDI	FCA	VW/AUDI	VW/AUDI
Slide stop block Schieberanschlag Arresto slitta	Anti-rebound slide stop Arretierung gegen Rückfederung Arresto anti rimbalzo	Slide stop block Schieberanschlag Arresto slitta	Slide stop block Schieberanschlag Arresto slitta	Slide stop block Schieberanschlag Arresto slitta
140	141	142	142	143

C18.20.?	C18.21	C18.25	C18.30	C18.31
				
FCA	FCA		FORD	FCA
Positive return plate Zwangsrückholer Gancio di sicurezza	Key Passfeder Chiavetta	Cam blank-holder guide Gleitplatte für Schieber Guida per premilamiera	Coupling plate Befestigungsplatte Staffa di reazione	Coupling nut Kupplungsmutter Aggancio staffa
144	145	146	147	148

GAGE HARDENED - EINWEISER GEHÄRTET - RIFERIMENTO INDURITO





Notes

Material: CK60 - **HRC:** 56÷60

WEB

*Option "P": With polished sliding surface
Option "P": Mit polierter führungsfläche
Opzione "P": Con superficie di scorrimento lucida

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

STOCK = ●

10 = ○

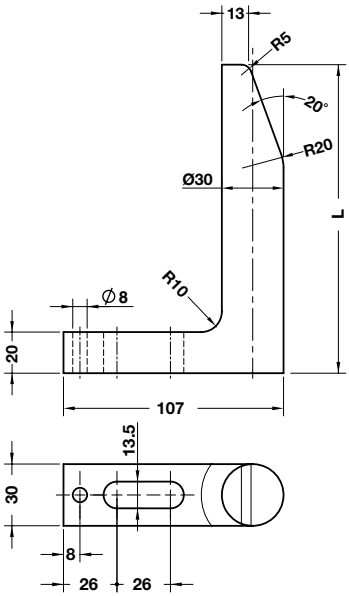
ORDER EXAMPLE	Art.	L=70	OPTION P
	C10.09.	070	P

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.09.065	65	●	○
C10.09.070	70	○	
C10.09.075	75	○	
C10.09.080	80	○	
C10.09.085	85	○	
C10.09.090	90	●	○
C10.09.095	95	○	
C10.09.100	100	○	
C10.09.105	105	○	
C10.09.110	110	○	
C10.09.115	115	○	
C10.09.120	120	●	○
C10.09.125	125	○	
C10.09.130	130	○	
C10.09.135	135	○	
C10.09.140	140	○	

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.09.145	145	○	
C10.09.150	150	●	○
C10.09.155	155	○	
C10.09.160	160	○	
C10.09.165	165	○	
C10.09.170	170	○	
C10.09.175	175	○	
C10.09.180	180	●	○
C10.09.185	185	○	
C10.09.190	190	○	
C10.09.195	195	○	
C10.09.200	200	○	
C10.09.205	205	○	
C10.09.210	210	○	
C10.09.215	215	○	
C10.09.220	220	○	

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.09.225	225	○	
C10.09.230	230	○	
C10.09.235	235	○	
C10.09.240	240	○	
C10.09.245	245	○	
C10.09.250	250	●	○
C10.09.260	260	○	
C10.09.270	270	○	
C10.09.280	280	○	
C10.09.290	290	○	
C10.09.300	300	●	○
C10.09.310	310	○	
C10.09.320	320	○	
C10.09.330	330	○	
C10.09.340	340	○	
C10.09.350	350	●	○

GAGE - EINWEISER - RIFERIMENTO





Notes

Material: CK60

WEB

*Option "P": With polished sliding surface
Option "P": Mit polierter führungsfläche
Opzione "P": Con superficie di scorrimento lucida

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

STOCK = ●

10 = ○

ORDER EXAMPLE	Art.	L=70	OPTION P
	C10.10.	070	P

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.10.065	65	●	○
C10.10.070	70	○	
C10.10.075	75	○	
C10.10.080	80	○	
C10.10.085	85	○	
C10.10.090	90	●	○
C10.10.095	95	○	
C10.10.100	100	○	
C10.10.105	105	○	
C10.10.110	110	○	
C10.10.115	115	○	
C10.10.120	120	●	○
C10.10.125	125	○	
C10.10.130	130	○	
C10.10.135	135	○	
C10.10.140	140	○	

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.10.145	145	○	
C10.10.150	150	●	○
C10.10.155	155	○	
C10.10.160	160	○	
C10.10.165	165	○	
C10.10.170	170	○	
C10.10.175	175	○	
C10.10.180	180	●	○
C10.10.185	185	○	
C10.10.190	190	○	
C10.10.195	195	○	
C10.10.200	200	○	
C10.10.205	205	○	
C10.10.210	210	○	
C10.10.215	215	○	
C10.10.220	220	○	

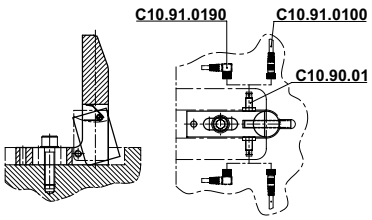
OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.10.225	225	○	
C10.10.230	230	○	
C10.10.235	235	○	
C10.10.240	240	○	
C10.10.245	245	○	
C10.10.250	250	●	○
C10.10.260	260	○	
C10.10.270	270	○	
C10.10.280	280	○	
C10.10.290	290	○	
C10.10.300	300	●	○
C10.10.310	310	○	
C10.10.320	320	○	
C10.10.330	330	○	
C10.10.340	340	○	
C10.10.350	350	●	○

GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE

Notes

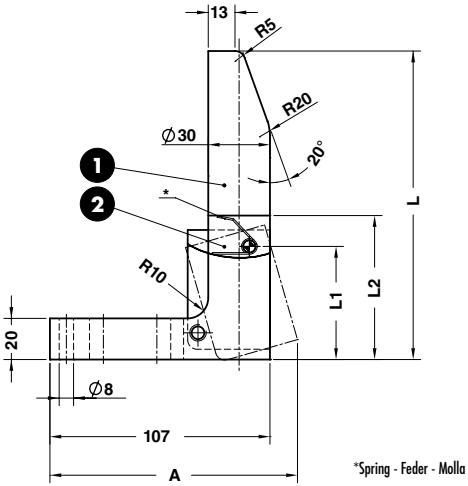
1. **Material:** CK60
   HRC: 50÷55
2. **Material:** St37

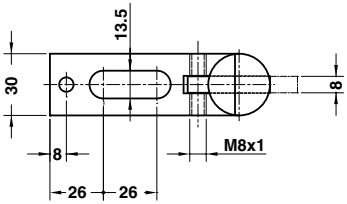
Application example





STOCK ... WEB

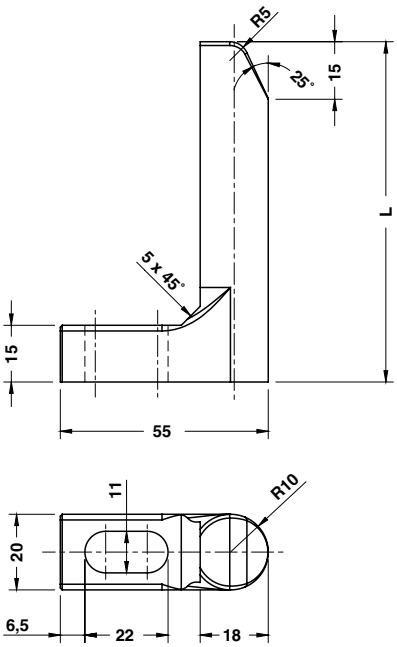




ORDER EXAMPLE	Art.	L=180
	C10.11.	180

OMCR CODE	A	L	L1	L2
C10.11.120	120	120	55	70
C10.11.150	120	150	55	70
C10.11.180	124	180	105	120
C10.11.250	124	250	105	120

GAGE - EINWEISER - RIFERIMENTO





STOCK | 3D WEB

Notes

Material: CK45

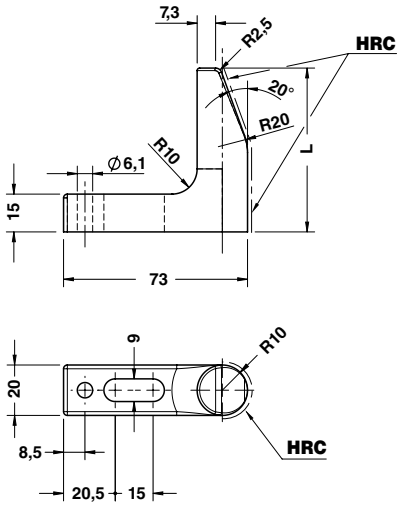
ORDER EXAMPLE	Art.	L=90
	C10.12.	090

OMCR CODE	L
C10.12.055	55
C10.12.065	65
C10.12.090	90
C10.12.095	95
C10.12.120	120

C10.13

OMCR

GAGE HARDENED - EINWEISER GEHÄRTET - RIFERIMENTO INDURITO





STOCK | 3D WEB

Notes

Material: CK60 - **HRC:** 58÷60

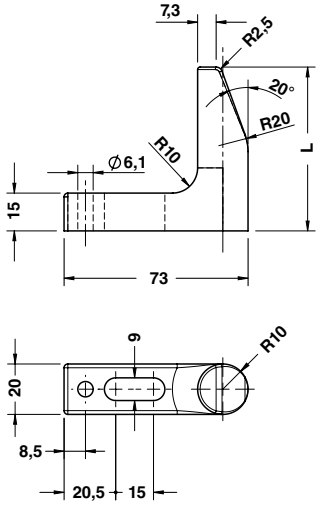
ORDER EXAMPLE	Art.	L=65
	C10.13.	065

OMCR CODE	L
C10.13.065	65
C10.13.090	90

C10.14

OMCR

GAGE - EINWEISER - RIFERIMENTO





STOCK | 3D WEB

Notes

Material: CK60

ORDER EXAMPLE	Art.	L=65
	C10.14.	065

OMCR CODE	L
C10.14.065	65
C10.14.090	90

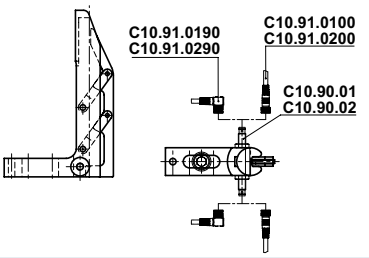
GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE

Notes

1
Material: CK60

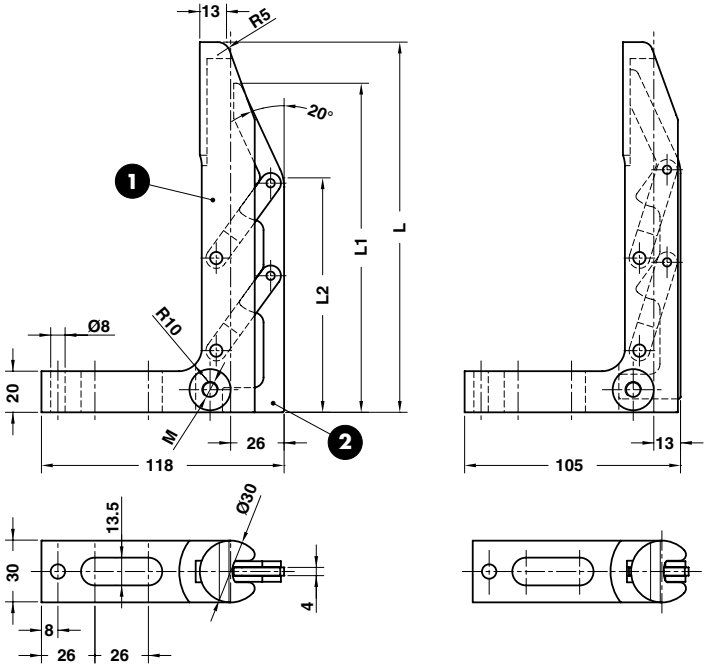
2
Material: St37 - **HRC:** 58÷60

Application example





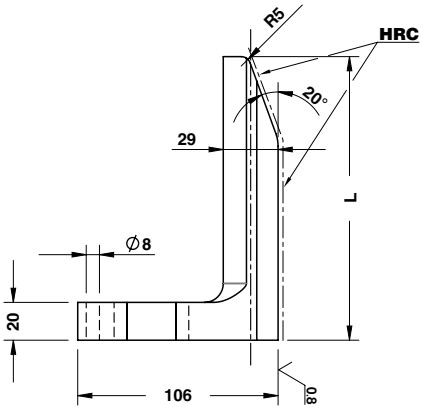
STOCK ... WEB

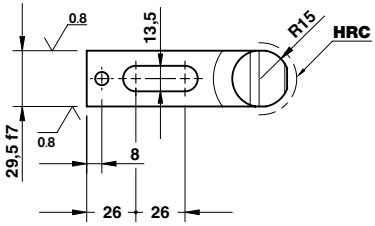


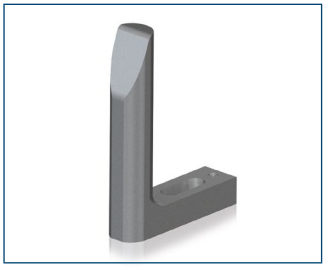
ORDER EXAMPLE	Art.	L=120	L1=113	M=8x1
	C10.15.	120	113	08

OMCR CODE	L	L1	L2	M
C10.15.12011308	120	113	78	8x1
C10.15.12011312	120	113	78	12x1
C10.15.15013008	150	130	90	8x1
C10.15.15013012	150	130	90	12x1
C10.15.18016008	180	160	114	8x1
C10.15.18016012	180	160	114	12x1
C10.15.25016008	250	160	114	8x1
C10.15.25016012	250	160	114	12x1
C10.15.25023008	250	230	184	8x1
C10.15.25023012	250	230	184	12x1

PRECISION GAGE - FEINENWEISER - RIFERIMENTO DI PRECISIONE







Notes

Material: CK60 - **HRC:** 58÷60

WEB

*Option "P": With polished sliding surface
Option "P": Mit polierter führungsfläche
Opzione "P": Con superficie di scorrimento lucida

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

STOCK = ●
15 = ○

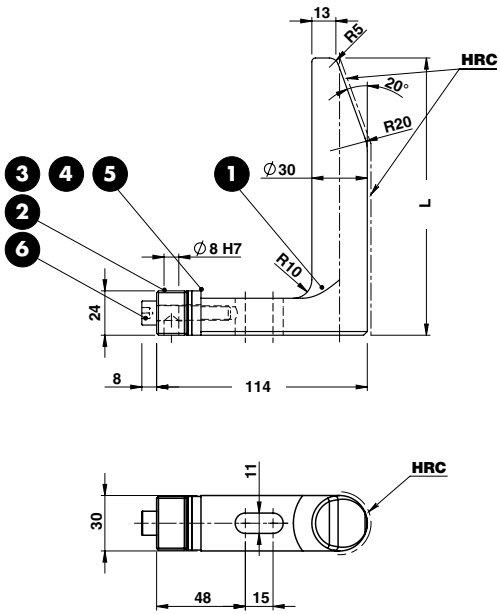
ORDER EXAMPLE	Art.	L=70	OPTION P
	C10.16.	070	P

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.16.065	65	●	○
C10.16.070	70	○	
C10.16.075	75	○	
C10.16.080	80	○	
C10.16.085	85	○	
C10.16.090	90	●	○
C10.16.095	95	○	
C10.16.100	100	○	
C10.16.105	105	○	
C10.16.110	110	○	
C10.16.115	115	○	
C10.16.120	120	●	○
C10.16.125	125	○	
C10.16.130	130	○	
C10.16.135	135	○	
C10.16.140	140	○	

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.16.145	145	○	
C10.16.150	150	●	○
C10.16.155	155	○	
C10.16.160	160	○	
C10.16.165	165	○	
C10.16.170	170	○	
C10.16.175	175	○	
C10.16.180	180	●	○
C10.16.185	185	○	
C10.16.190	190	○	
C10.16.195	195	○	
C10.16.200	200	○	
C10.16.205	205	○	
C10.16.210	210	○	
C10.16.215	215	○	
C10.16.220	220	○	

OMCR CODE	L	Delivery Time	*OPTION P Delivery Time
C10.16.225	225	○	
C10.16.230	230	○	
C10.16.235	235	○	
C10.16.240	240	○	
C10.16.245	245	○	
C10.16.250	250	●	○
C10.16.260	260	○	
C10.16.270	270	○	
C10.16.280	280	○	
C10.16.290	290	○	
C10.16.300	300	●	○
C10.16.310	310	○	
C10.16.320	320	○	
C10.16.330	330	○	
C10.16.340	340	○	
C10.16.350	350	●	○

ADJUSTABLE GAGE - EINSTELLBARER EINWEISER - RIFERIMENTO REGOLABILE





15 ... 3D WEB

Warning: other dimensions on request.
Actung: Sonstige Abmessungen auf Anfrage.
Attenzione: altre dimensioni a richiesta.

70 ≤ L ≤ 245 mm, STEP 5 mm

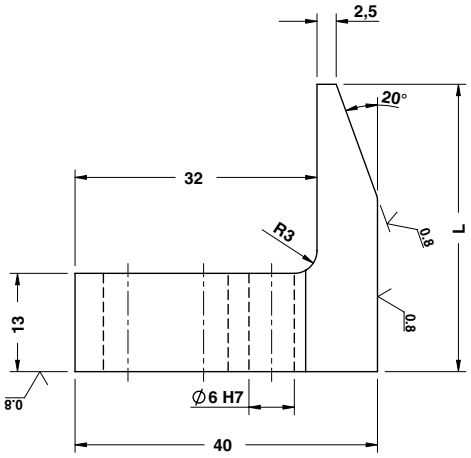
Notes

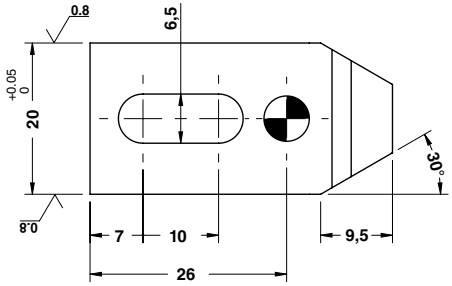
1. **Material:** CK60 - **HRC:** 56÷60
2. **Material:** C15
3. 4. 5. **Material:** St37
6. M8x40 DIN 912

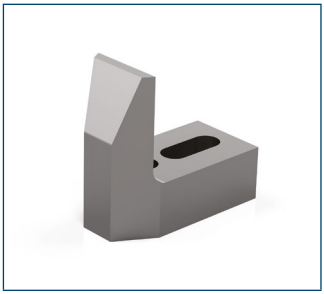
ORDER EXAMPLE	Art.	L=90
	C10.17.	090

OMCR CODE	L
C10.17.065	65
C10.17.090	90
C10.17.120	120
C10.17.150	150
C10.17.180	180
C10.17.250	250

GAGE - EINWEISER - RIFERIMENTO







STOCK

3D WEB

Notes

Material: 21MnCr5 - **HRC:** 58÷60

ORDER EXAMPLE	Art.	L=38
	C10.18.	038

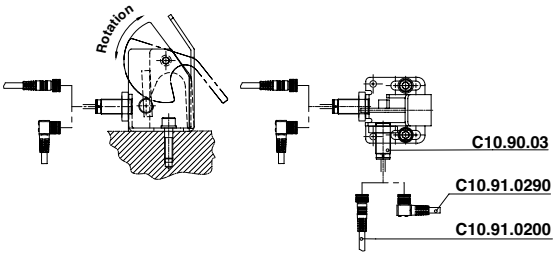
OMCR CODE	L
C10.18.028	28
C10.18.038	38
C10.18.048	48
C10.18.058	58
C10.18.068	68
C10.18.078	78
C10.18.088	88

FRONT GAGE - EINLAUFANSCHLAG - PORTASENSORE

Notes

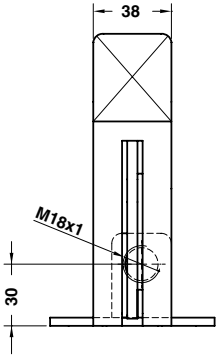
Material: St37

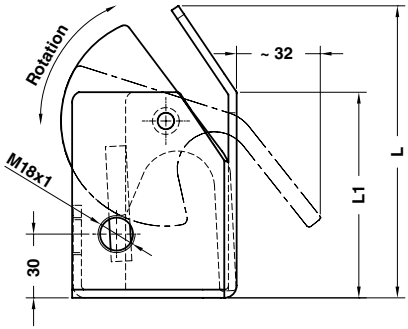
Application example

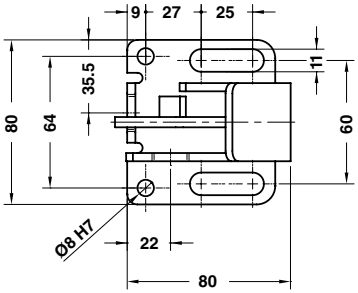




STOCK 3D WEB







ORDER EXAMPLE	Art.	L=142
	C10.20.	142

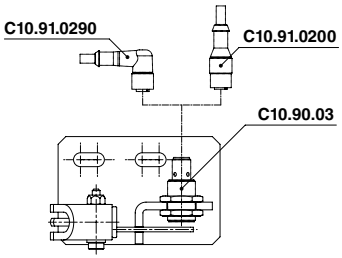
OMCR CODE	L	L1
C10.20.117	117	75
C10.20.142	142	100
C10.20.192	192	150

SUPPORT FOR SENSOR - LAGEKONTROLLE FÜR PLATINEN - SUPPORTO SENSORE

Notes

Material: Steel

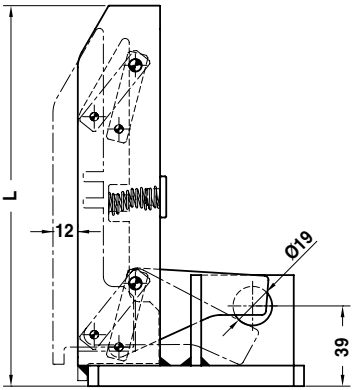
Application example

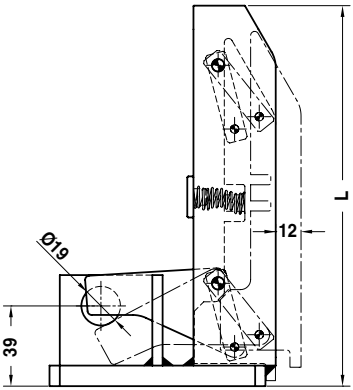




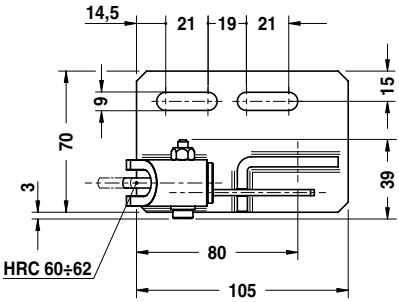
STOCK

3D WEB

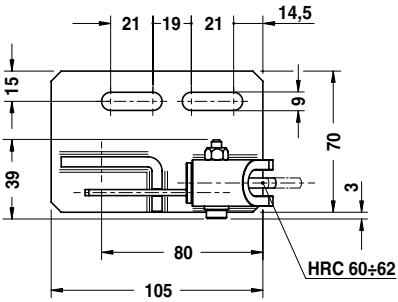




FORM A



FORM B



ORDER EXAMPLE

Art.	TYPE
C10.25.	01

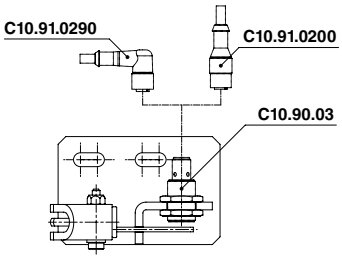
OMCR CODE	TYPE	L	FORM
C10.25.01	01	145	A
C10.25.02	02	145	B
C10.25.03	03	185	A
C10.25.04	04	185	B
C10.25.25	25	225	A
C10.25.26	26	225	B

SUPPORT FOR SENSOR - LAGEKONTROLLE FÜR PLATINEN - SUPPORTO SENSORE

Notes

Material: Steel

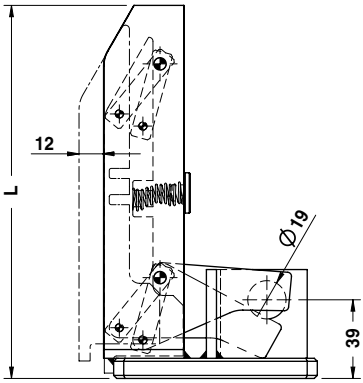
Application example

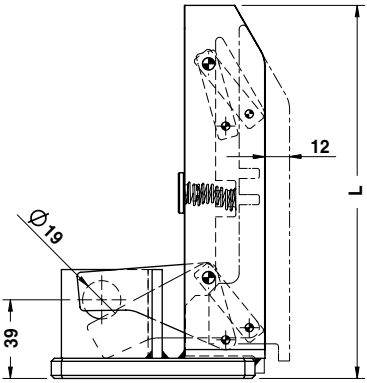




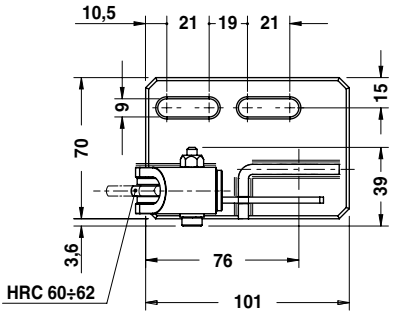
STOCK

3D WEB

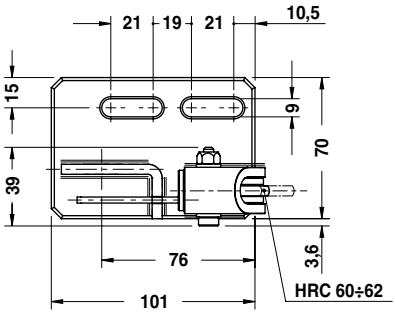




FORM A



FORM B

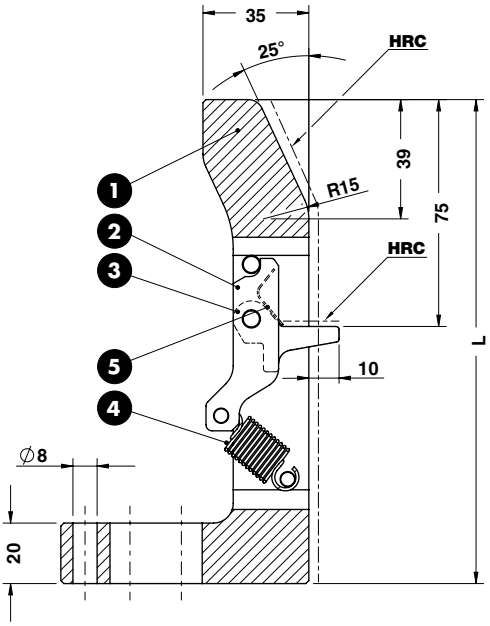


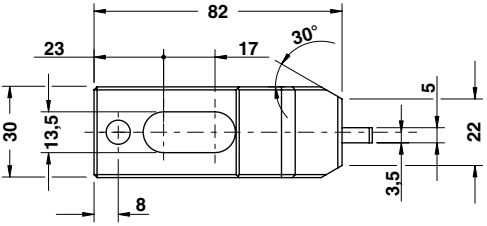
ORDER EXAMPLE

Art.	TYPE
C10.25.	30

OMCR CODE	TYPE	L	FORM
C10.25.30	30	145	A
C10.25.31	31	145	B
C10.25.32	32	185	A
C10.25.33	33	185	B
C10.25.34	34	225	A
C10.25.35	35	225	B

GAGE - EINWEISER - RIFERIMENTO





STOCK

...

3D WEB



Notes

1 3
Material: CK45 - **HRC:** 58÷60

2 **Material:** CK45 - **HRC:** 54÷56

4 Spring

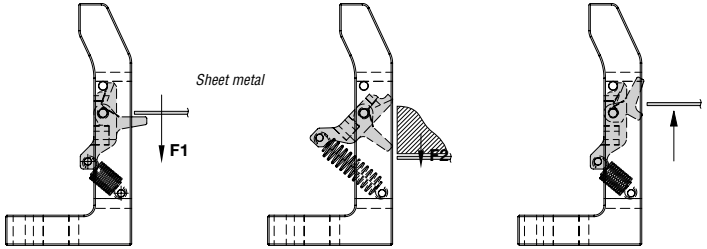
5 Spring

ORDER EXAMPLE

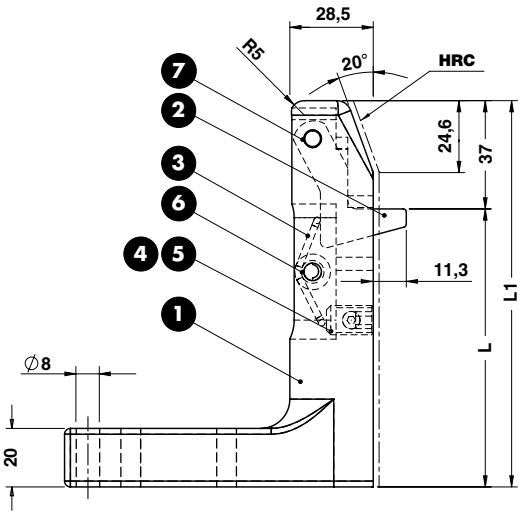
Art.	L=180	F1=5,9
C10.30.	180	05

OMCR CODE	L	F1(N)	F2(N)
C10.30.16005	160	5,9	18,5
C10.30.16010	160	10	30
C10.30.17005	170	5,9	18,5
C10.30.17010	170	10	30
C10.30.18005	180	5,9	18,5
C10.30.18010	180	10	30
C10.30.19005	190	5,9	18,5
C10.30.19010	190	10	30
C10.30.20005	200	5,9	18,5
C10.30.20010	200	10	30

Application example



GAGE - EINWEISER - RIFERIMENTO





WEB

Warning: other dimensions on request.
Actung: Sonstige Abmessungen auf Anfrage.
Attenzione: altre dimensioni a richiesta.

100 ≤ L ≤ 190 mm, STEP 5 mm

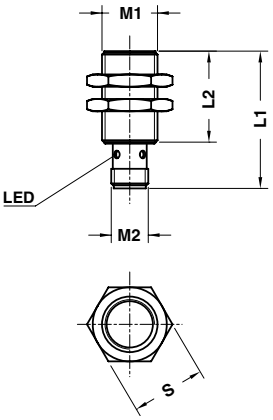
Notes

1. **Material:** CK60 - **HRC:** 56÷60
2. **Material:** 39NiCrMo3
3. Spring
4. M10x16 UNI 5923
5. M5x6 DIN 915
6. Ø6x24 DIN 1481
7. Ø6x24 DIN 6325

ORDER EXAMPLE	Art.	L=95	F
	C10.50.	095	75

OMCR CODE	L	L1	F (N) Final Force
C10.50.09575	95	132	75
C10.50.12575	125	162	75
C10.50.19575	195	232	75

SENSOR - INDUKTIVE SENSOR - SENSORE





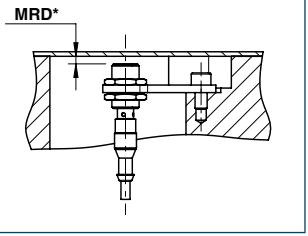
STOCK

3D WEB

Notes

Manufactured by
Hersteller - Costruttore: **BALLUFF**

Application example



*Max reading distance
Maximale Lesereichweite
Distanza massima di lettura

ORDER EXAMPLE

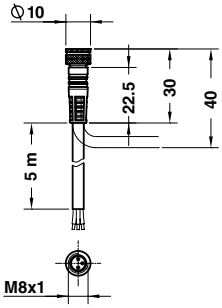
Art.
C10.90.01

OMCR CODE	L1	L2	M1	M2	S	MRD* on steel (mm)	MRD* on aluminium (mm)
C10.90.01	30	23,5	M8x1	M8x1	13	1,5	-
C10.90.02	45	30	M12x1	M12x1	17	4	-
C10.90.03	44,5	29,5	M18x1	M12x1	24	5	3
C10.90.04	44,5	30	M30x1,5	M12x1	36	10	6
C10.90.05	65	49,5	M12x1	M12x1	17	4	-

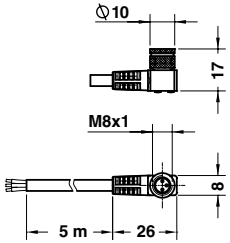
TECHNICAL DATA	C10.90.01	C10.90.02	C10.90.03	C10.90.04	C10.90.05
1 **Rated operational voltage (Ue)**	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
2 **Supply voltage (Ub)**	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
3 **No load supply current (Io max.)**	≤ 7 mA	≤ 10 mA	≤ 10 mA	≤ 25 mA	≤ 5 mA
4 **Residual current (Ir)**	≤ 10 µA	≤ 50 µA	≤ 50 µA	≤ 80 µA	≤ 10 µA
5 **Repeat accuracy (R)**	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %
6 **Ambient temperature range (Ta)**	-40…+85° C	-25…+85° C	-25…+70° C	-25…+70° C	-25…+70° C
7 **Frequency of operating cycles (f)**	5000 Hz	2000 Hz	1000 Hz	150 Hz	2500 Hz
8 **Degree of protection per IEC 60529**	IP 68	IP 68	IP 67	IP 67	IP 68
9 **Housing material**	Stainless Steel	Stainless Steel	Brass	Brass	Brass
10 **Connection**	Connector	Connector	Connector	Connector	Connector
11 **Approval**	CE/UL	CE/UL	CE/UL	CE/UL	CE/UL
12 **Switching output**	PNP normally open	PNP normally open	PNP normally open	PNP normally open	PNP normally open

CONNECTOR - STECKVERBINDER - CONNETTORE

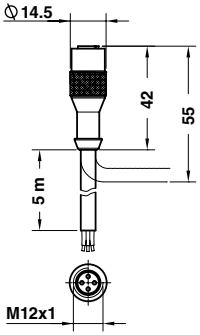
FORM A



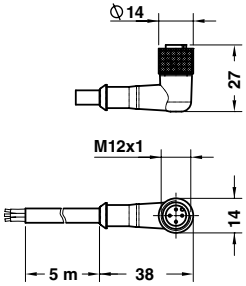
FORM B



FORM C



FORM D





STOCK 3D WEB

Notes

Manufactured by
Hersteller - Costruttore: **BALLUFF**

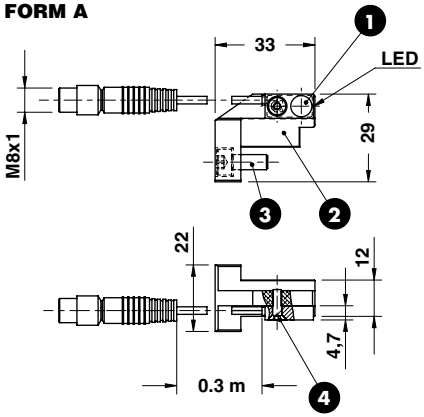
ORDER EXAMPLE

Art.
C10.91.0190

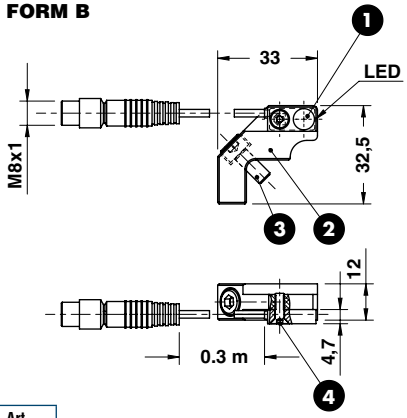
OMCR CODE	FORM
C10.91.0100	A
C10.91.0190	B
C10.91.0200	C
C10.91.0290	D

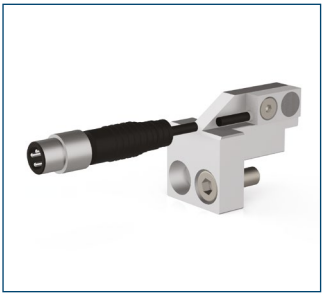
SENSOR - INDUKTIVE SENSOR - SENSORE

FORM A



FORM B



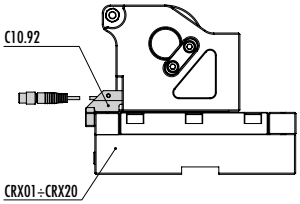


STOCK · 3D WEB

Notes

1. Manufactured by Hersteller - Costruttore: **BALLUFF**
2. Aluminium
3. M5x12 DIN 912
4. M3x10 DIN 7991

Application example



ORDER EXAMPLE

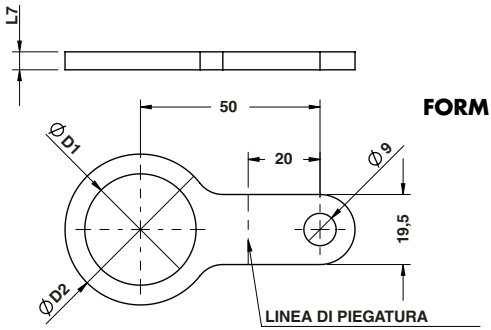
Art.
C10.92.01

* Max reading distance
Maximale Lesereichweite
Distanza massima di lettura

OMCR CODE	Form	MRD* on steel (mm)	Using with cam units
C10.92.01	A	2	CRX01
C10.92.02	B	2	CRX03, CRX05, CRX15, CRX20

SENSOR TECHNICAL DATA	
1 Rated operational voltage (Ue)	24 V DC
2 Supply voltage (Ub)	10...30 V DC
3 No load supply current (Io max.)	≤ 10 mA
4 Residual current (Ir)	≤ 50 µA
5 Repeat accuracy (R)	≤ 1 %
6 Ambient temperature range (Ta)	-25…+70° C
7 Frequency of operating cycles (f)	5000 Hz
8 Degree of protection per IEC 60529	IP 67
9 Housing material	Brass
10 Connection	Cable with connector, 0.30 m
11 Approval	CE/UL
12 Switching output	PNP normally open

PLATE FOR SENSOR - HALTERUNG - PIASTRINA PORTASENSORE

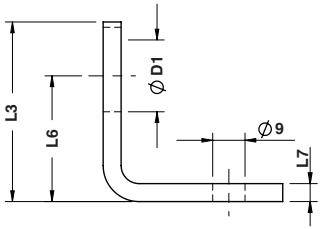


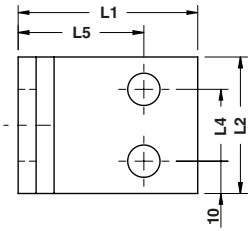


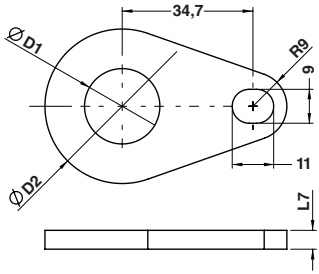
STOCK 3D WEB

Notes

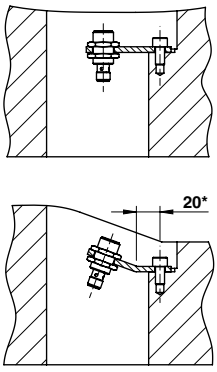
Material: St37







Application example

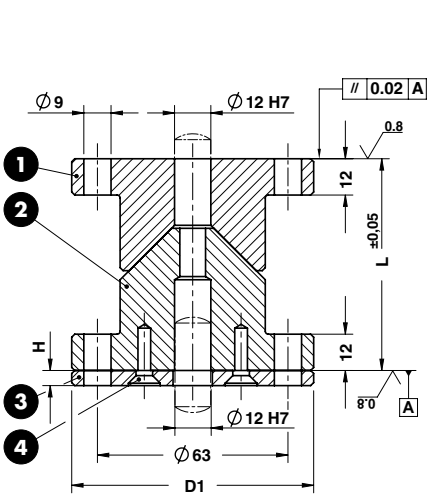


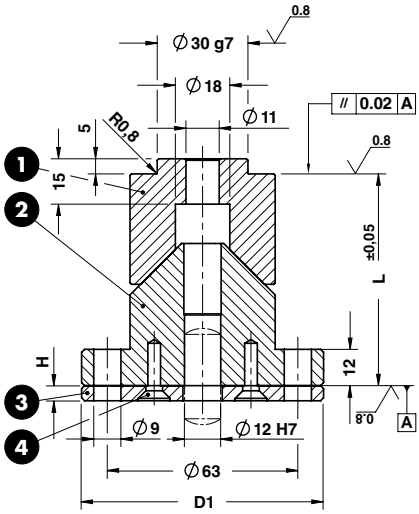
* Biegekante
Edge bending
Linea di piegatura

ORDER EXAMPLE | Art. C10.95.03

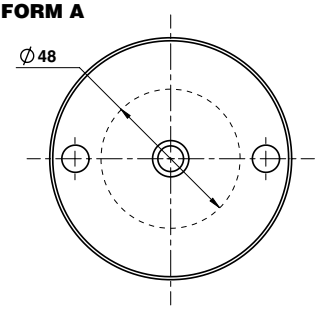
OMCR CODE	L1	L2	L3	L4	L5	L6	L7	D1	D2	FORM	Using with sensor
C10.95.01	-	-	-	-	-	-	5	19	30	A	C10.90.03
C10.95.02	-	-	-	-	-	-	5	31	42	A	C10.90.04
C10.95.03	80	50	60	30	60	35	7	19	-	B	C10.90.03
C10.95.04	80	50	60	30	60	35	7	31	-	B	C10.90.04
C10.95.05	40	40	80	20	25	-	6	-	-	B	-
C10.95.06	-	-	-	-	-	-	5	20	41	C	C10.90.03
C10.95.07	-	-	-	-	-	-	5	13	24	A	C10.90.02/C10.90.05
C10.95.08	80	50	60	30	60	35	7	13	-	B	C10.90.02/C10.90.05

LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO

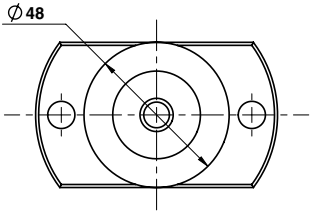




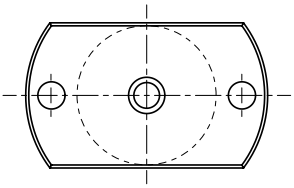
FORM A



FORM C



FORM B



LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO

Notes

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

3 **Material:** CK45

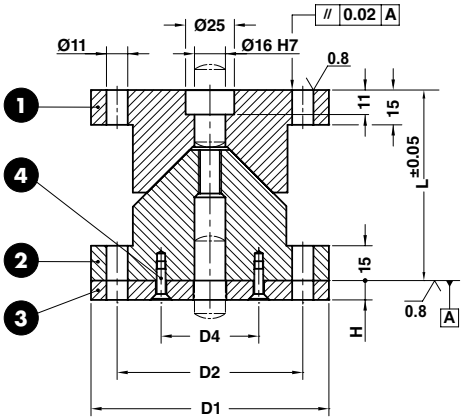
4 M5x12 DIN 7991



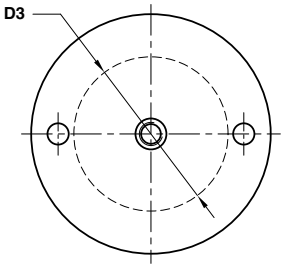
STOCK ... 3D WEB

ORDER EXAMPLE	Art.	D1=80	L=70	FORM	TYPE
	C11.08.	80	70	A	01

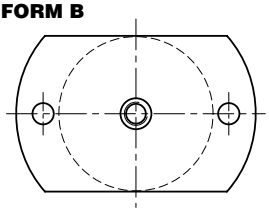
OMCR CODE	D1	L	H	FORM	TYPE
C11.08.08070A00	80	70	5	A	00
C11.08.08070A01	80	70	5,5	A	01
C11.08.08070B00	80	70	5	B	00
C11.08.08070B01	80	70	5,5	B	01
C11.08.08070C00	80	70	5	C	00
C11.08.08070C01	80	70	5,5	C	01



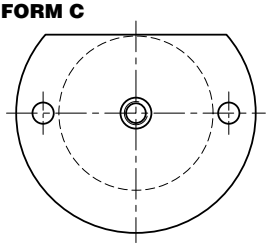
FORM A



FORM B



FORM C



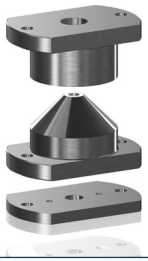
LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO

Notes

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

3 **Material:** CK45

4 M5x16 DIN 7991

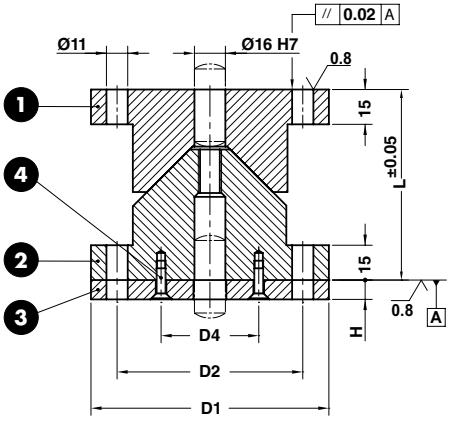


STOCK ... WEB

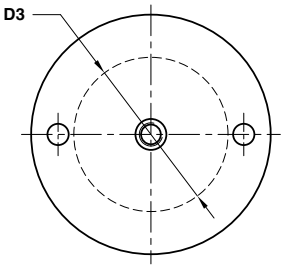
ORDER EXAMPLE	Art.	D1=100	L=80	FORM	TYPE
	C11.09.	100	80	B	01

OMCR CODE	D1	D2	D3	D4	L	H	FORM	TYPE
C11.09.10080A00	100	76	58	40,5	80	10,5	A	00
C11.09.10080A01	100	76	58	40,5	80	10	A	01
C11.09.10080B00	100	76	58	40,5	80	10,5	B	00
C11.09.10080B01	100	76	58	40,5	80	10	B	01
C11.09.10080C00	100	76	58	40,5	80	10,5	C	00
C11.09.10080C01	100	76	58	40,5	80	10	C	01
C11.09.12090A00	120	96	78	50,5	90	10,5	A	00
C11.09.12090A01	120	96	78	50,5	90	10	A	01
C11.09.12090B00	120	96	78	50,5	90	10,5	B	00
C11.09.12090B01	120	96	78	50,5	90	10	B	01
C11.09.12090C00	120	96	78	50,5	90	10,5	C	00
C11.09.12090C01	120	96	78	50,5	90	10	C	01

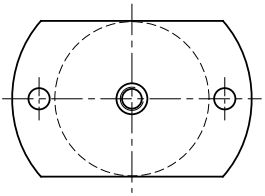
LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO



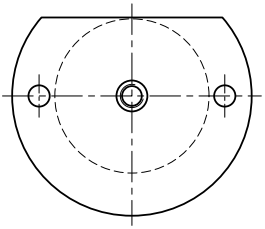
"FORM A"



"FORM B"



"FORM C"



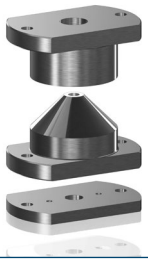
LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO

Notes

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

3 **Material:** CK45

4 M5x16 DIN 7991



STOCK ... 3D WEB

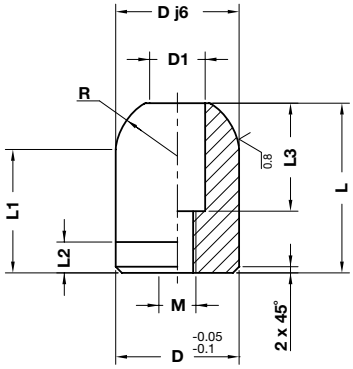
ORDER EXAMPLE	Art.	D1=100	L=80	FORM	TYPE
	C11.11.	100	80	B	01

OMCR CODE	D1	D2	D3	D4	L	H	FORM	TYPE
C11.11.10080A00	100	76	58	40,5	80	10,5	A	00
C11.11.10080A01	100	76	58	40,5	80	10	A	01
C11.11.10080A02	100	76	58	40,5	80	5,5	A	02
C11.11.10080A03	100	76	58	40,5	80	5	A	03
C11.11.10080B00	100	76	58	40,5	80	10,5	B	00
C11.11.10080B01	100	76	58	40,5	80	10	B	01
C11.11.10080B02	100	76	58	40,5	80	5,5	B	02
C11.11.10080B03	100	76	58	40,5	80	5	B	03
C11.11.10080C00	100	76	58	40,5	80	10,5	C	00
C11.11.10080C01	100	76	58	40,5	80	10	C	01
C11.11.10080C02	100	76	58	40,5	80	5,5	C	02
C11.11.10080C03	100	76	58	40,5	80	5	C	03
C11.11.12090A00	120	96	78	50,5	90	10,5	A	00
C11.11.12090A01	120	96	78	50,5	90	10	A	01
C11.11.12090A02	120	96	78	50,5	90	5,5	A	02
C11.11.12090A03	120	96	78	50,5	90	5	A	03
C11.11.12090B00	120	96	78	50,5	90	10,5	B	00
C11.11.12090B01	120	96	78	50,5	90	10	B	01
C11.11.12090B02	120	96	78	50,5	90	5,5	B	02
C11.11.12090B03	120	96	78	50,5	90	5	B	03
C11.11.12090C00	120	96	78	50,5	90	10,5	C	00
C11.11.12090C01	120	96	78	50,5	90	10	C	01
C11.11.12090C02	120	96	78	50,5	90	5,5	C	02
C11.11.12090C03	120	96	78	50,5	90	5	C	03

C11.12

OMCR

LOCATING PIN - ZENTRIERBOLZEN - PERNO DI CENTRAGGIO



STOCK

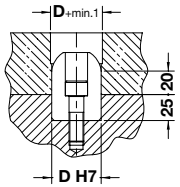
3D WEB



Notes

Material: 16MnCr5 - **HRC:** 58÷60

Application example



ORDER EXAMPLE

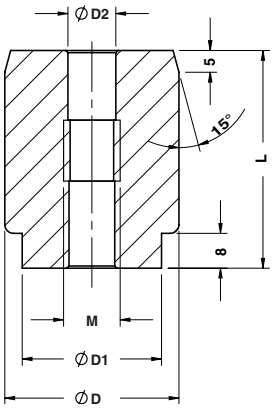
Art.	D=22	L=45
C11.12.	22	45

OMCR CODE	D	D1	L	L1	L2	L3	M	R
C11.12.2245	22	14	45	37,5	8	25	10	12,5
C11.12.3250	32	18	50	40	10	35	12	20
C11.12.4055	40	18	55	40	10	35	12	20
C11.12.5055	50	18	55	40	10	35	12	20

C11.15

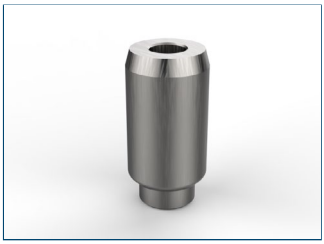
OMCR

LOCATING PIN - ZENTRIERBOLZEN - PERNO DI CENTRAGGIO



STOCK

3D WEB



Notes

Material: 16MnCr5 - **HRC:** 58÷60

ORDER EXAMPLE

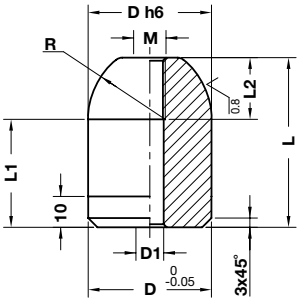
Art.	D=32	L=50
C11.15.	32	50

OMCR CODE	D	D1	D2	L	M
C11.15.2550	25	18	11	50	M8
C11.15.3250	32	25	11	50	M8
C11.15.4050	40	32	15	50	M10
C11.15.5050	50	42	15	50	M10

C11.20

OMCR

LOCATING PIN - ZENTRIERBOLZEN - PERNO DI CENTRAGGIO



STOCK

3D

WEB



Notes

Material: 16MnCr5 - **HRC:** 58÷62

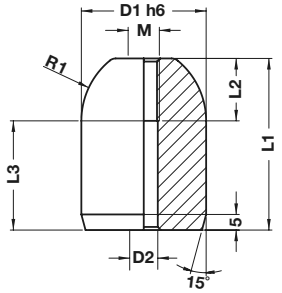
ORDER EXAMPLE	Art.	D=22	L=45
	C11.20.	22	45

OMCR CODE	D	L	D1	L1	L2	R	M
C11.20.2245	22	45	6,6	35	16	15	M8
C11.20.2255	22	55	6,6	45	16	15	M8
C11.20.4055	40	55	9	35	20	25	M10
C11.20.4065	40	65	9	45	20	25	M10
C11.20.4085	40	85	9	65	20	25	M10

C11.22

OMCR

LOCATING PIN - ZENTRIERBOLZEN - PERNO DI CENTRAGGIO



STOCK

3D

WEB



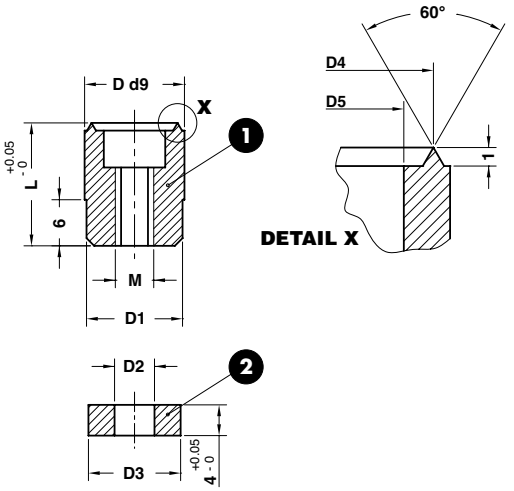
Notes

Material: 16MnCr5 - **HRC:** 56÷60

ORDER EXAMPLE	Art.	D1=22	L1=45
	C11.22.	22	45

OMCR CODE	D1	L1	D2	L2	L3	R1	M
C11.22.2245	22	45	6.6	16	35	15	M8
C11.22.3250	32	50	9	20	35	20	M10
C11.22.4055	40	55	9	20	35	25	M10
C11.22.5055	50	55	9	20	35	25	M10
C11.22.5680	56	80	9	20	60	30	M10

VISUAL LOCATOR SETTING PUNCH - ENDKONTROLLSTEMPEL - PUNZONE DI VISUALIZZAZIONE





STOCK ... 3D WEB

Notes

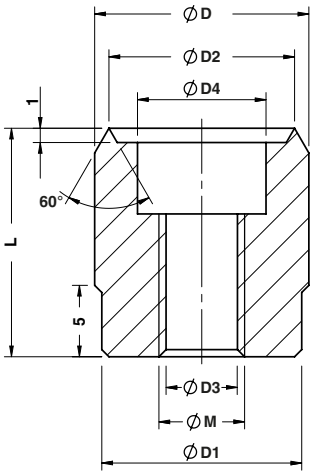
1 **Material:** Steel
HRC: 58÷62

2 **Material:** Steel

ORDER EXAMPLE	Art.	D=10	L=16
	C11.30.	10	16

OMCR CODE	D	D1	D2	D3	D4	D5	L	M
C11.30.1016	10	9,5	4,2	9,7	8	6	16	M4
C11.30.1316	13	12,5	5,2	12	11,2	8	16	M5

VISUAL LOCATOR SETTING PUNCH - ENDKONTROLLSTEMPEL - PUNZONE DI VISUALIZZAZIONE





STOCK

3D WEB

Notes

Material: X155CrVNo121
HRC: 58÷60

ORDER EXAMPLE	Art.	D=18	L=16
	C11.31.	18	16

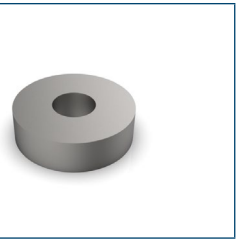
OMCR CODE	D	D1	D2	D3	D4	L	M
C11.31.1316	13	12	11,8	5	8	16	M6
C11.31.1516	15	14	13	5	9	16	M6
C11.31.1816	18	17,5	16	7	11	16	M8
C11.31.2116	21	20,5	19	9	14	16	M10

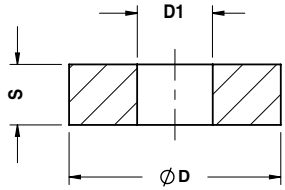
C11.32

OMCR

ADJUSTMENT PLATE - SCHEIBE - RONDELLA DI REGISTRO

STOCK 3D WEB





Notes

Material: 42CrMo4

ORDER EXAMPLE	Art.	D=17,5	S=4
	C11.32.	175	4

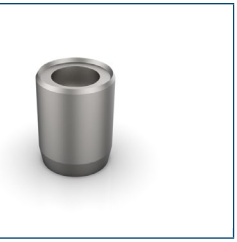
OMCR CODE	D	D1	S
C11.32.1203	12	5	3
C11.32.1404	14	5	4
C11.32.1754	17.5	7	4
C11.32.2054	20.5	9	4

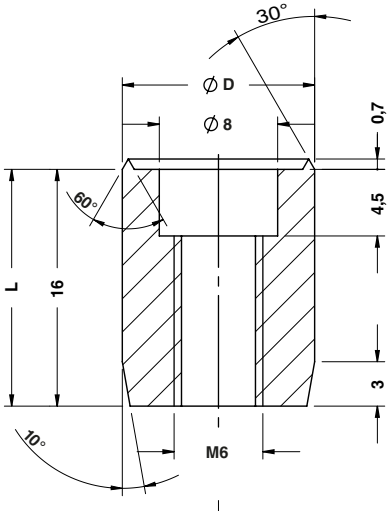
C11.33

OMCR

VISUAL LOCATOR SETTING PUNCH - ENDKONTROLLSTEMPEL - PUNZONE DI VISUALIZZAZIONE

STOCK ... 3D WEB





Notes

Material: X210Cr12 - **HRC:** 60÷62

ORDER EXAMPLE	Art.	D=13	L=16,7
	C11.33.	13	167

OMCR CODE	D	L
C11.33.13167	13	16,7

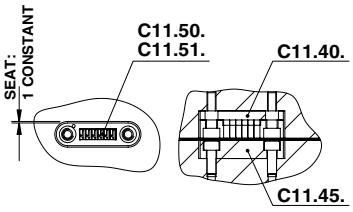
STAMP RETAINER - HALTEPLATTE - PORTATIMBRI

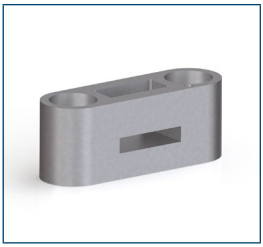
Notes

❶ ❷
Material: CK45

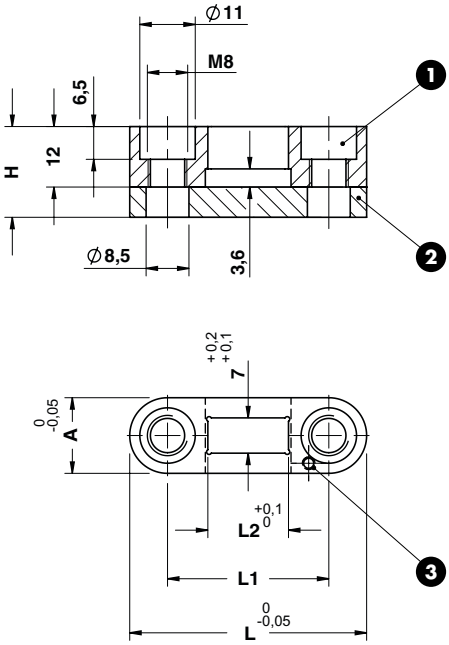
❸
ELASTIC PIN Ø2.5x14 DIN 1481

Application example





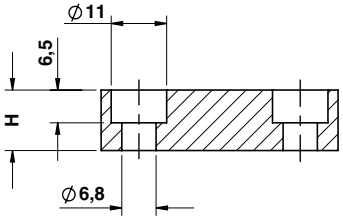
STOCK ... 3D WEB

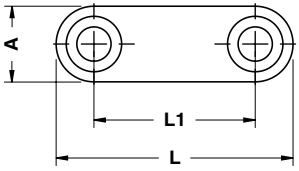


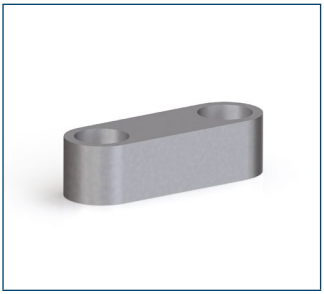
ORDER EXAMPLE	Art.	A=15	H=18	L=47
	C11.40.	15	18	047

OMCR CODE	A	H	L	L1	L2	Nr. of stamps C11.50.	Nr. of stamps C11.51.
C11.40.1518045	15	18	45	30	12	3	6
C11.40.1518047	15	18	47	32	16	4	8
C11.40.1518055	15	18	55	40	24	6	12
C11.40.1518063	15	18	63	48	32	8	16
C11.40.1518071	15	18	71	56	40	10	20

BACKING PLATE - DRUCKPLATTE - REAZIONE







STOCK

3D WEB

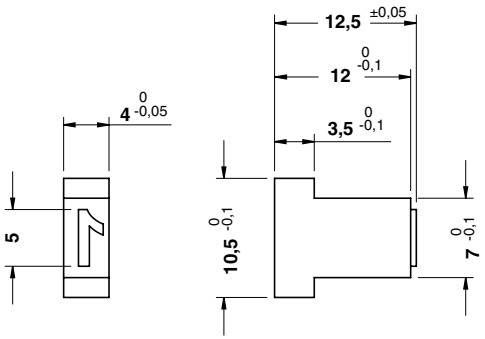
Notes

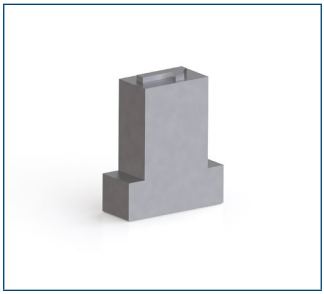
Material: CK45

ORDER EXAMPLE	Art.	A=15	H=12	L=47
	C11.45.	15	12	047

OMCR CODE	A	H	L	L1	Used with Stamp Retainer
C11.45.1512045	15	12	45	30	C11.40.1518045
C11.45.1512047	15	12	47	32	C11.40.1518047
C11.45.1512055	15	12	55	40	C11.40.1518055
C11.45.1512063	15	12	63	48	C11.40.1518063
C11.45.1512071	15	12	71	56	C11.40.1518071

STAMP - BUCHSTABENSTEMPEL - PUNZONE MARCHIO





STOCK 3D WEB

Notes

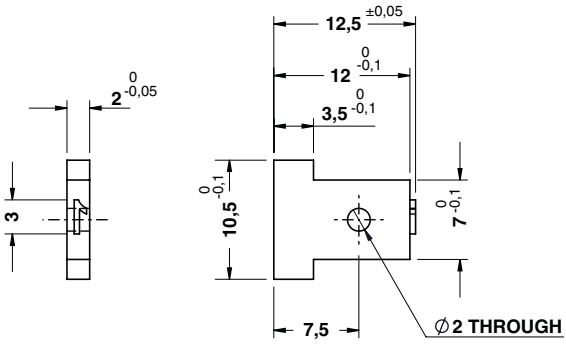
Material: X153CrMoV12
HRC: 54÷56

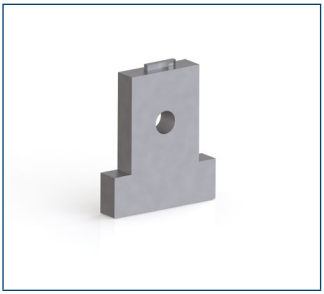
ORDER EXAMPLE

Art.
C11.50.01

OMCR CODE	Stamp	OMCR CODE	Stamp	OMCR CODE	Stamp	OMCR CODE	Stamp
C11.50.00	0	C11.50.10	B	C11.50.20	L	C11.50.30	V
C11.50.01	1	C11.50.11	C	C11.50.21	M	C11.50.31	W
C11.50.02	2	C11.50.12	D	C11.50.22	N	C11.50.32	X
C11.50.03	3	C11.50.13	E	C11.50.23	O	C11.50.33	Y
C11.50.04	4	C11.50.14	F	C11.50.24	P	C11.50.34	Z
C11.50.05	5	C11.50.15	G	C11.50.25	Q	C11.50.35	SPACE
C11.50.06	6 or 9	C11.50.16	H	C11.50.26	R	C11.50.36	-
C11.50.07	7	C11.50.17	I	C11.50.27	S	C11.50.37	_
C11.50.08	8	C11.50.18	J	C11.50.28	T		
C11.50.09	A	C11.50.19	K	C11.50.29	U		

STAMP - BUCHSTABENSTEMPEL - PUNZONE MARCHIO





STOCK

3D WEB

Notes

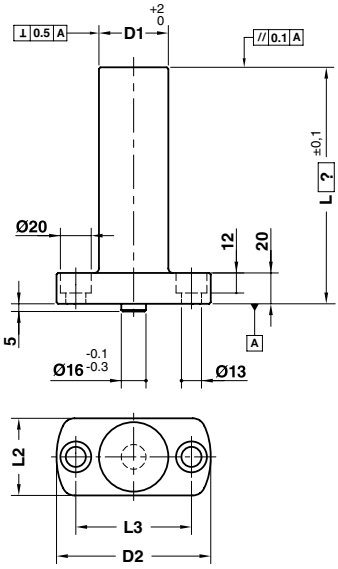
Material: X153CrMoV12
HRC: 54÷56

ORDER EXAMPLE

Art.
C11.51.01

OMCR CODE	Stamp	OMCR CODE	Stamp	OMCR CODE	Stamp	OMCR CODE	Stamp
C11.51.00	0	C11.51.10	B	C11.51.20	L	C11.51.30	V
C11.51.01	1	C11.51.11	C	C11.51.21	M	C11.51.31	W
C11.51.02	2	C11.51.12	D	C11.51.22	N	C11.51.32	X
C11.51.03	3	C11.51.13	E	C11.51.23	O	C11.51.33	Y
C11.51.04	4	C11.51.14	F	C11.51.24	P	C11.51.34	Z
C11.51.05	5	C11.51.15	G	C11.51.25	Q	C11.51.35	SPACE
C11.51.06	6 or 9	C11.51.16	H	C11.51.26	R	C11.51.36	-
C11.51.07	7	C11.51.17	I	C11.51.27	S	C11.51.37	_
C11.51.08	8	C11.51.18	J	C11.51.28	T		
C11.51.09	A	C11.51.19	K	C11.51.29	U		

AIR CUSHION PIN - DRUCKBOLZEN - CANDELA







Lmax = 360 mm

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

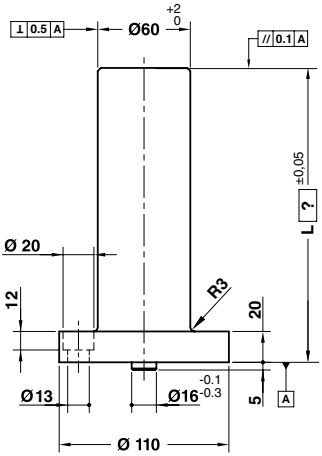
Notes

Material: CK45 - 800÷1000 N/mm²

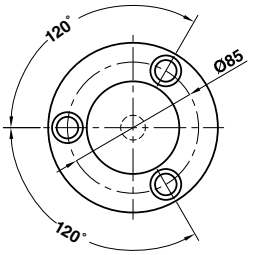
ORDER EXAMPLE	Art.	D1=36	L=230
	C12.10.	36	230

OMCR CODE	D1	D2	L2	L3	Max load (kN)
C12.10.	36	90	40	65	50
C12.10.	45	100	50	75	70

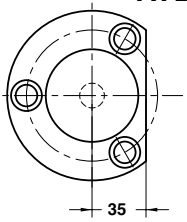
LOWER AIR CUSHION PIN - UNTERLUFTBOLZEN - CANDELA INFERIORE

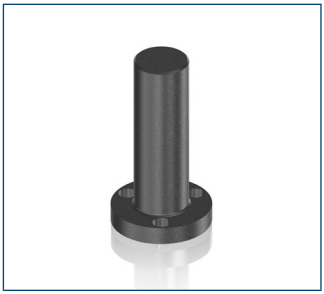


TYPE 01



TYPE 02





10 | 3D WEB

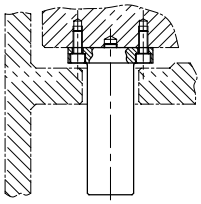
Lmax = 450 mm

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45 - 800÷1000 N/mm²

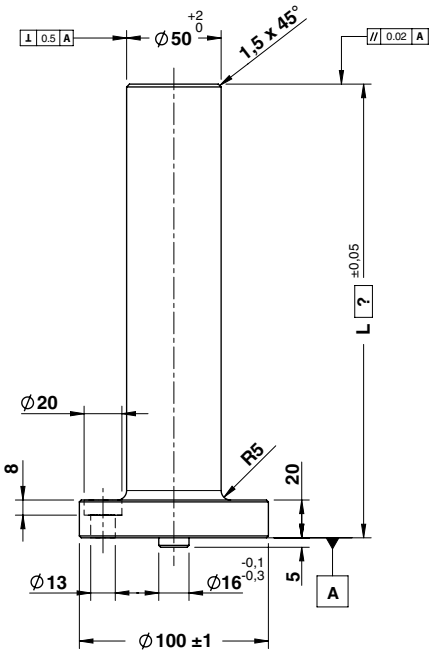
Application example

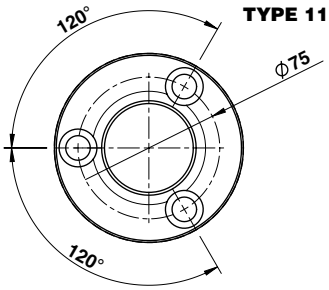


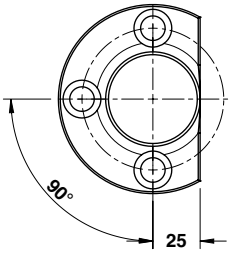
ORDER EXAMPLE	Art.	TYPE	L=220
	C12.11.	01	220

OMCR CODE	TYPE	Max Load (kN)
C12.11.	01	80
C12.11.	02	80

LOWER AIR CUSHION PIN - UNTERLUFTBOLZEN - CANDELA INFERIORE









10 | 3D WEB

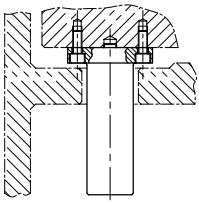
Lmax = 450 mm

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45 - 800÷1000 N/mm²

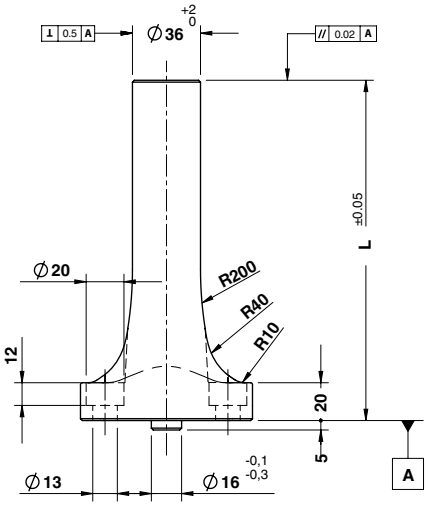
Application example

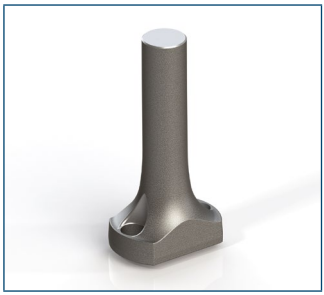


ORDER EXAMPLE	Art.	TYPE	L=220
	C12.11.	11	220

OMCR CODE	TYPE	Max Load (kN)
C12.11.	11	80
C12.11.	12	80

UPPER AIR CUSHION PIN VDI 3002
OBERLUFTBOLZEN VDI 3002
CANDELA SUPERIORE VDI 3002





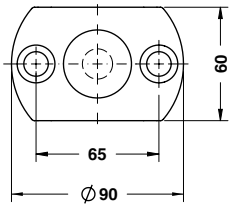
STOCK | WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45
800÷1000 N/mm²

TYPE 10



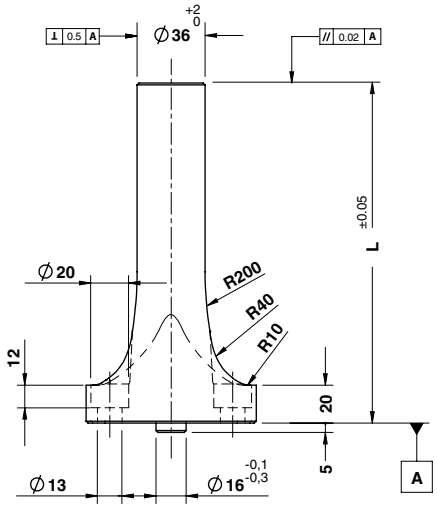
ORDER EXAMPLE	Art.	TYPE	L=220
	C12.12.	10	220

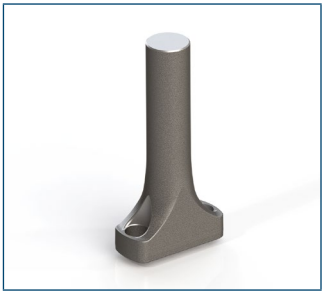
OMCR CODE	TYPE	L	Max Load (kN)
C12.12.10150	10	150	50
C12.12.10155	10	155	50
C12.12.10160	10	160	50
C12.12.10165	10	165	50
C12.12.10170	10	170	50
C12.12.10175	10	175	50
C12.12.10180	10	180	50
C12.12.10185	10	185	50
C12.12.10190	10	190	50
C12.12.10195	10	195	50
C12.12.10200	10	200	50
C12.12.10205	10	205	50
C12.12.10210	10	210	50

OMCR CODE	TYPE	L	Max Load (kN)
C12.12.10215	10	215	50
C12.12.10220	10	220	50
C12.12.10225	10	225	50
C12.12.10230	10	230	50
C12.12.10235	10	235	50
C12.12.10240	10	240	50
C12.12.10245	10	245	50
C12.12.10250	10	250	50
C12.12.10255	10	255	50
C12.12.10260	10	260	50
C12.12.10265	10	265	50
C12.12.10270	10	270	50
C12.12.10275	10	275	50

OMCR CODE	TYPE	L	Max Load (kN)
C12.12.10280	10	280	50
C12.12.10285	10	285	50
C12.12.10290	10	290	50
C12.12.10295	10	295	50
C12.12.10300	10	300	50
C12.12.10310	10	310	50
C12.12.10320	10	320	50
C12.12.10330	10	330	50
C12.12.10340	10	340	50
C12.12.10350	10	350	50
C12.12.10360	10	360	50

UPPER AIR CUSHION PIN VDI 3002
OBERLUFTBOLZEN VDI 3002
CANDELA SUPERIORE VDI 3002





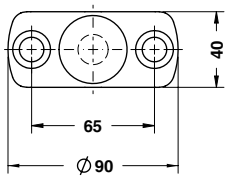
STOCK | WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45
800÷1000 N/mm²

TYPE 11



ORDER EXAMPLE

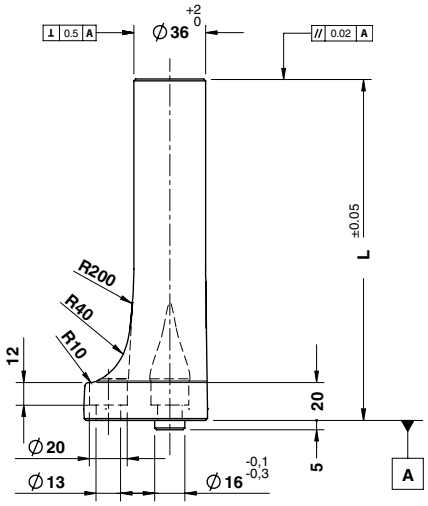
Art.	TYPE	L=220
C12.12.	11	220

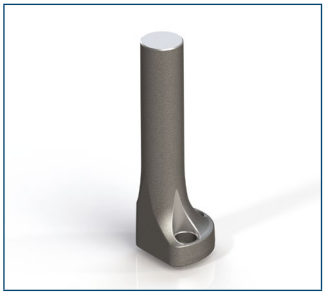
OMCR CODE	TYPE	L	Max Load (kN)
C12.12.11150	11	150	50
C12.12.11155	11	155	50
C12.12.11160	11	160	50
C12.12.11165	11	165	50
C12.12.11170	11	170	50
C12.12.11175	11	175	50
C12.12.11180	11	180	50
C12.12.11185	11	185	50
C12.12.11190	11	190	50
C12.12.11195	11	195	50
C12.12.11200	11	200	50
C12.12.11205	11	205	50
C12.12.11210	11	210	50

OMCR CODE	TYPE	L	Max Load (kN)
C12.12.11215	11	215	50
C12.12.11220	11	220	50
C12.12.11225	11	225	50
C12.12.11230	11	230	50
C12.12.11235	11	235	50
C12.12.11240	11	240	50
C12.12.11245	11	245	50
C12.12.11250	11	250	50
C12.12.11255	11	255	50
C12.12.11260	11	260	50
C12.12.11265	11	265	50
C12.12.11270	11	270	50
C12.12.11275	11	275	50

OMCR CODE	TYPE	L	Max Load (kN)
C12.12.11280	11	280	50
C12.12.11285	11	285	50
C12.12.11290	11	290	50
C12.12.11295	11	295	50
C12.12.11300	11	300	50
C12.12.11310	11	310	50
C12.12.11320	11	320	50
C12.12.11330	11	330	50
C12.12.11340	11	340	50
C12.12.11350	11	350	50
C12.12.11360	11	360	50

UPPER AIR CUSHION PIN VDI 3002
OBERLUFTBOLZEN VDI 3002
CANDELA SUPERIORE VDI 3002





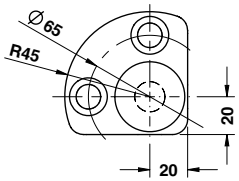
STOCK | WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45
800÷1000 N/mm²

TYPE 12



ORDER EXAMPLE

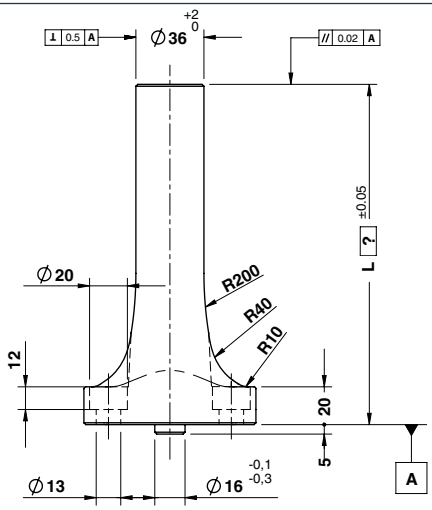
Art.	TYPE	L=220
C12.12.	12	220

OMCR CODE	TYPE	L	Max Load (kN)
C12.12.12150	12	150	50
C12.12.12155	12	155	50
C12.12.12160	12	160	50
C12.12.12165	12	165	50
C12.12.12170	12	170	50
C12.12.12175	12	175	50
C12.12.12180	12	180	50
C12.12.12185	12	185	50
C12.12.12190	12	190	50
C12.12.12195	12	195	50
C12.12.12200	12	200	50
C12.12.12205	12	205	50
C12.12.12210	12	210	50

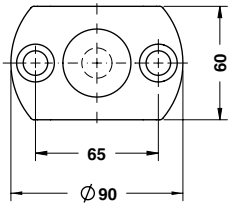
OMCR CODE	TYPE	L	Max Load (kN)
C12.12.12215	12	215	50
C12.12.12220	12	220	50
C12.12.12225	12	225	50
C12.12.12230	12	230	50
C12.12.12235	12	235	50
C12.12.12240	12	240	50
C12.12.12245	12	245	50
C12.12.12250	12	250	50
C12.12.12255	12	255	50
C12.12.12260	12	260	50
C12.12.12265	12	265	50
C12.12.12270	12	270	50
C12.12.12275	12	275	50

OMCR CODE	TYPE	L	Max Load (kN)
C12.12.12280	12	280	50
C12.12.12285	12	285	50
C12.12.12290	12	290	50
C12.12.12295	12	295	50
C12.12.12300	12	300	50
C12.12.12310	12	310	50
C12.12.12320	12	320	50
C12.12.12330	12	330	50
C12.12.12340	12	340	50
C12.12.12350	12	350	50
C12.12.12360	12	360	50

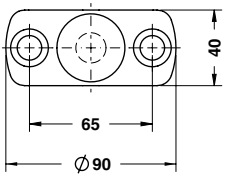
UPPER AIR CUSHION PIN VDI 3002
OBERLUFTBOLZEN VDI 3002
CANDELA SUPERIORE VDI 3002



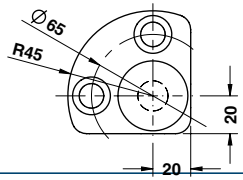
TYPE 10

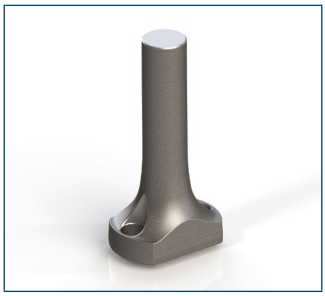


TYPE 11



TYPE 12





10 3D WEB

Lmax = 360 mm

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: C45
800÷1000 N/mm²

ORDER EXAMPLE	Art.	TYPE	L=220
	C12.12.	10	220

OMCR CODE	TYPE	Max Load (kN)
C12.12.	10	50
C12.12.	11	50
C12.12.	12	50

SPACER PLATE TOOTHED - DISTANZPLATTE GEZAHNT - TASSELLO DI COMPENSAZIONE

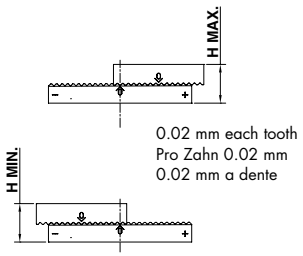
Notes

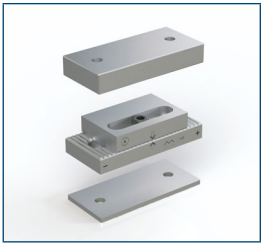
1 2 3
Material: 90MnCrV8
HRC: 58÷60

4 **Material:** Steel

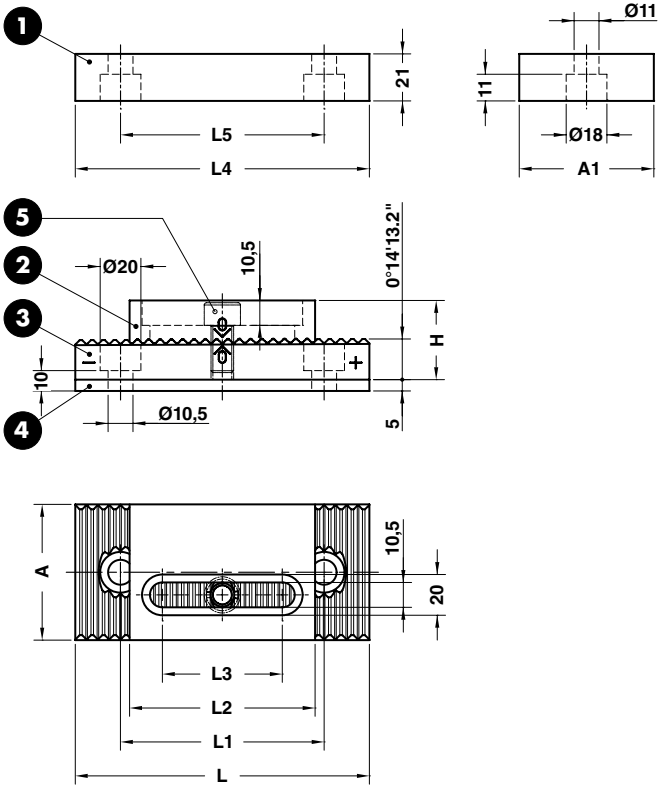
5 DIN 912

Application example





STOCK ... 3D WEB



ORDER EXAMPLE	Art.	A=60	H=35	L=130
	C12.16.	060	35	130

OMCR CODE	A	A1	H	H min.	H max.	L	L1	L2	L3	L4	L5
C12.16.06035130	60	60	35	34,88	35,12	130	90	90	61	130	90
C12.16.08035160	80	80	35	34,86	35,14	160	120	110	71	160	120

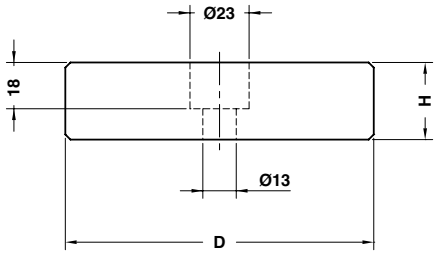
C12.20

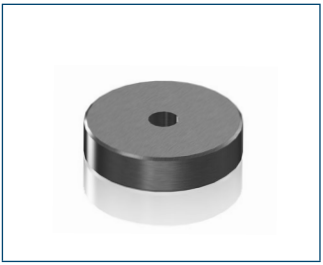
OMCR

COMPENSATION BLOCK - ABSTANDSBLOCK - TASSELLO DI COMPENSAZIONE

STOCK

3D WEB





Notes

Material: 42CrMo4 - **HRC:** 46÷48

ORDER EXAMPLE

Art.	D=80	H=25
C12.20.	080	25

OMCR CODE	D	H
C12.20.08025	80	25
C12.20.08030	80	30
C12.20.10025	100	25
C12.20.10030	100	30
C12.20.12025	120	25
C12.20.12030	120	30

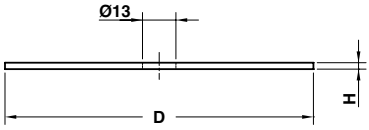
C12.21

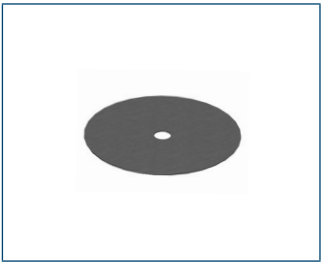
OMCR

SHIM - AUSGLEICHSCHEIB - SPESSORE

STOCK

3D WEB





Notes

Material: CK45

ORDER EXAMPLE

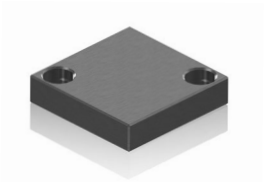
Art.	D=80	H=0,5
C12.21.	080	05

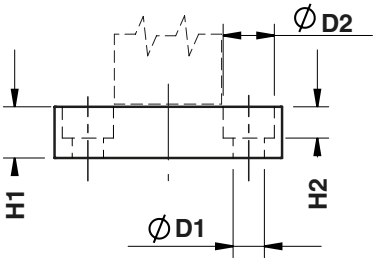
OMCR CODE	D	H	Material
C12.21.08001	80	0,1	BRASS
C12.21.08005	80	0,5	STEEL
C12.21.10001	100	0,1	BRASS
C12.21.10005	100	0,5	STEEL
C12.21.12001	120	0,1	BRASS
C12.21.12005	120	0,5	STEEL

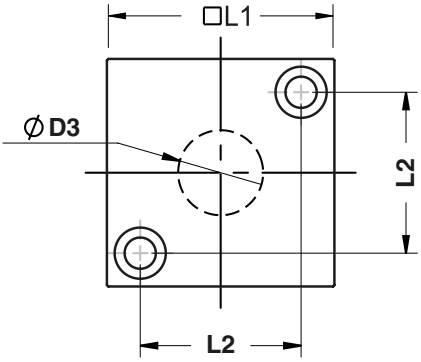
PRESSURE PLATE - DRUCKPLATTE - PIASTRA DI REAZIONE

STOCK

3D WEB







Notes

Material: 16MnCr5 - **HRC:** 58÷60

ORDER EXAMPLE

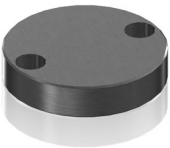
Art.	L1=60	H1=15
C12.22.	060	15

OMCR CODE	L1	L2	D1	D2	D3	H1	H2
C12.22.04012	40	24	7	11	≤ 20	12	7
C12.22.06015	60	40	9	15	≤ 36	15	9
C12.22.07015	70	50	9	15	≤ 50	15	9
C12.22.08018	80	56,5	11	18	≤ 65	18	11
C12.22.10020	100	74	11	18	≤ 80	20	11
C12.22.14020	140	110	11	18	≤ 95	20	11

PRESSURE PLATE - DRUCKPLATTE - PIASTRA DI REAZIONE

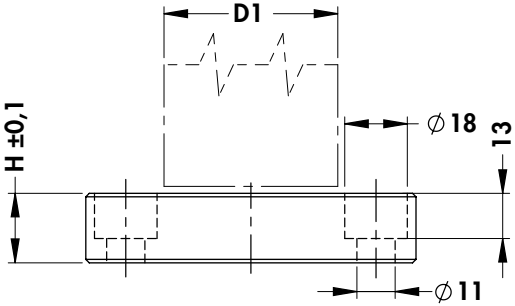
STOCK

3D WEB

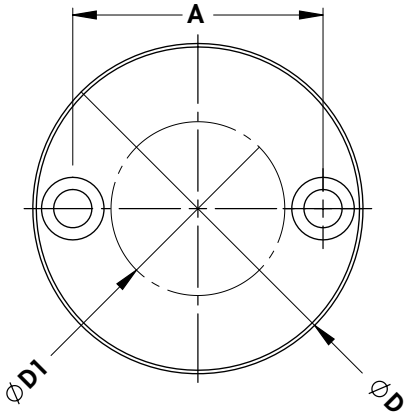


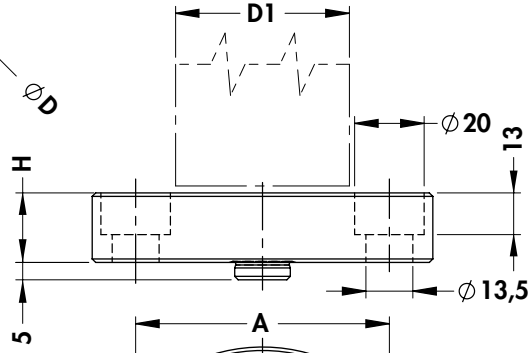
Notes

Material: 16MnCr5 - **HRC:** 58÷60

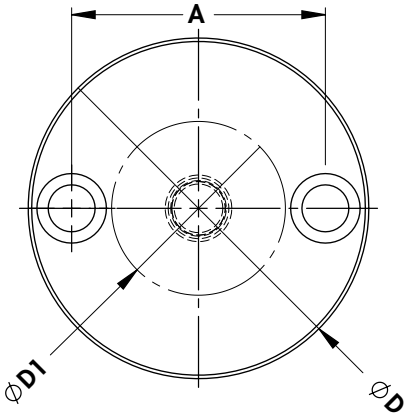


FORM A





FORM B

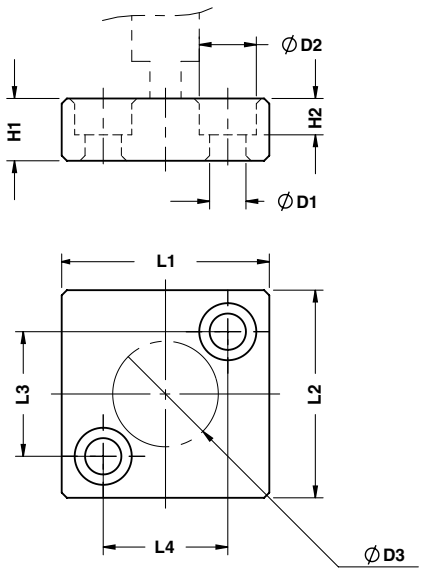


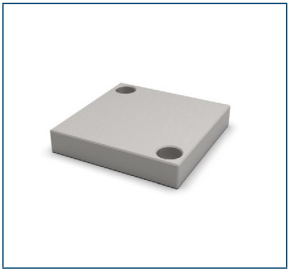
ORDER EXAMPLE

Art.	D=95	H=20
C12.23.	095	20

OMCR CODE	A	D	D1	H	FORM
C12.23.06520	42	65	≤ 25	20	A
C12.23.09520	72	95	≤ 50	20	A
C12.23.09820	73	98	≤ 50	20	B
C12.23.11320	88	113	≤ 60	20	B
C12.23.12820	103	128	≤ 75	20	B
C12.23.14320	118	143	≤ 95	20	B

PRESSURE PLATE - DRUCKPLATTE - PIASTRA DI REAZIONE





STOCK | 3D WEB

Notes

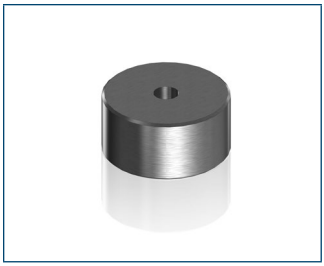
Material: 90MnCrV8
HRC: 50÷52

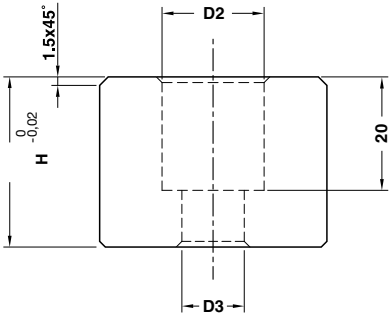
ORDER EXAMPLE

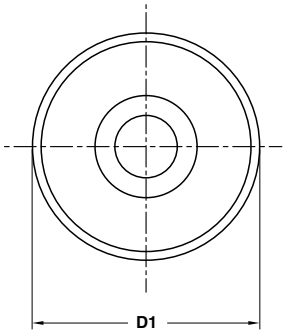
Art.	L1=100	L2=80	H1=20
C12.24.	100	080	20

OMCR CODE	L1	L2	L3	L4	H1	H2	D1	D2	D3
C12.24.04004012	40	40	24	24	12	7	7	11	≤ 20
C12.24.04004015	40	40	21	21	15	10	9	15	≤ 15
C12.24.05002512	50	25	8	32	12	7	7	11	≤ 15
C12.24.05003012	50	30	14	35	12	7	7	11	≤ 20
C12.24.05605620	56	56	32	32	20	13	11	18	≤ 25
C12.24.06006012	60	60	38	38	12	9	9	15	≤ 36
C12.24.06006015	60	60	40	40	15	9	9	15	≤ 36
C12.24.07003515	70	35	14	48	15	9	9	15	≤ 25
C12.24.07007015	70	70	50	50	15	9	9	15	≤ 50
C12.24.07107120	71	71	48	48	20	13	11	18	≤ 50
C12.24.07505015	75	50	30	56	15	9	9	15	≤ 36
C12.24.08506015	85	60	40	56	15	9	9	15	≤ 50
C12.24.09009012	90	90	70	70	12	9	9	15	≤ 75
C12.24.09009020	90	90	67	67	20	13	11	18	≤ 65
C12.24.10008020	100	80	56	72	20	11	11	18	≤ 65
C12.24.10010012	100	100	81	81	12	9	9	15	≤ 90
C12.24.10010020	100	100	74	74	20	11	11	18	≤ 80
C12.24.11010020	110	100	75	85	20	11	11	18	≤ 95
C12.24.11011020	110	110	84	84	20	11	11	18	≤ 95
C12.24.14014020	140	140	110	110	20	13	11	18	≤ 95

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE







STOCK

3D WEB

Notes

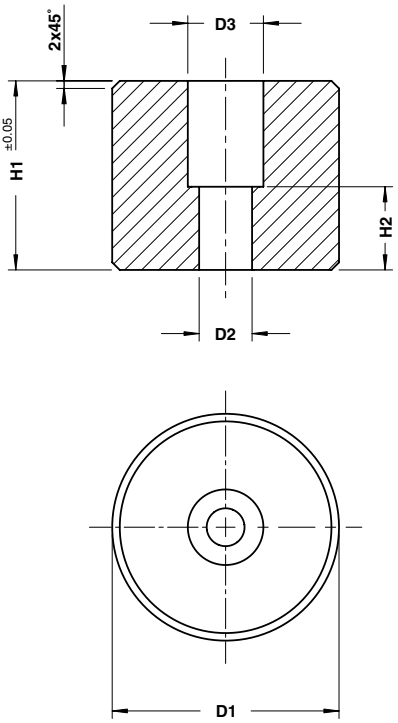
Material: CK45

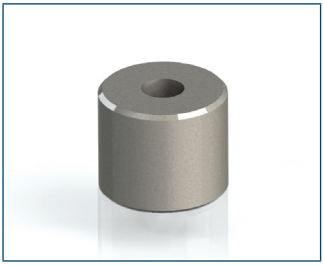
ORDER EXAMPLE

Art.	D1=40	H=30
C12.25.	040	30

OMCR CODE	D1	D2	D3	H
C12.25.04030	40	18	11	30
C12.25.06050	60	20	13,5	50
C12.25.10050	100	20	13,5	50

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE





STOCK

3D WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45

Screws not included

Unpainted

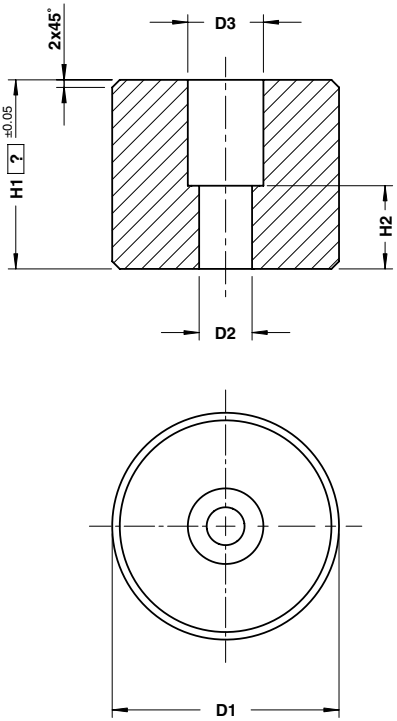
ORDER EXAMPLE	Art.	D1=60	H1=40,50
	C12.26.	060	04050

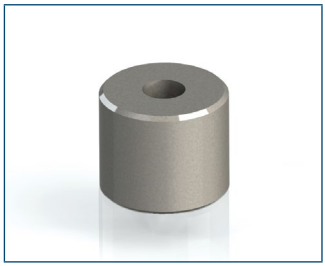
BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

D1	25	30		40		50		60		80		100	120	150
D2	9	9		9		9		14		14		18	22	22
D3	15	15		15		15		20		20		26	33	33
Max load (t)	3,5	8		20		35		55		100		170	250	400
H2	10	10	28	10	28	10	28	12	22	12	22	20	15	15
Screw DIN EN ISO 4762	M8x25	M8x25	M8x40	M8x25	M8x40	M8x25	M8x40	M12x30	M12x40	M12x30	M12x40	M16x40	M20x50	M20x50

H1																	
20	•	•		•		•											
25	•	•		•		•		•									
30	•	•		•		•		•		•							
35	•	•		•		•		•		•							
40	•	•		•		•			•		•		•				
45			•		•		•		•		•		•				
50			•		•		•		•		•		•		•		•
55					•		•		•		•		•		•		•
60					•		•		•		•		•		•		•

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE





10 3D WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45

Screws not included

Unpainted

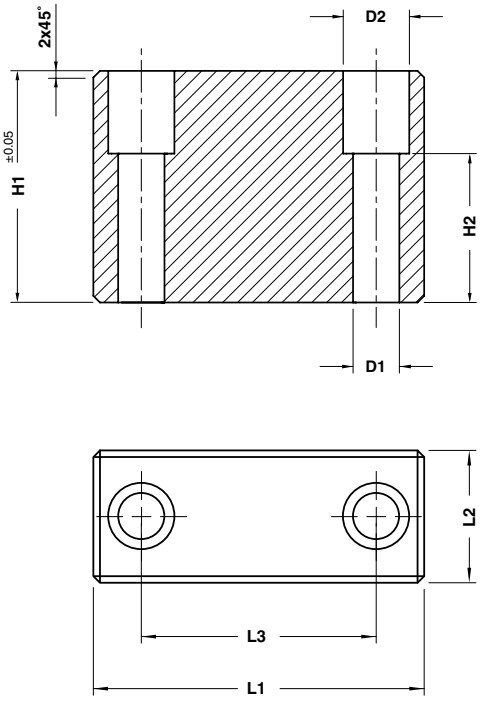
ORDER EXAMPLE	Art.	D1=80	H1=45
	C12.26.	080	04500

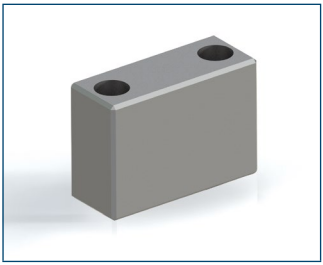
OMCR CODE	D1	D2	D3	H1	H2	Screw DIN EN ISO 4762	Max load (t)
C12.26.	25	9	15	≥ 20 - 40	10	M8x25	3,5
C12.26.	25	9	15	> 40 - 60	28	M8x40	3,5
C12.26.	30	9	15	≥ 20 - 40	10	M8x25	8
C12.26.	30	9	15	> 40 - 60	28	M8x40	8
C12.26.	40	9	15	≥ 20 - 40	10	M8x25	20
C12.26.	40	9	15	> 40 - 60	28	M8x40	20
C12.26.	50	9	15	≥ 20 - 40	10	M8x25	35
C12.26.	50	9	15	> 40 - 60	28	M8x40	35

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

OMCR CODE	D1	D2	D3	H1	H2	Screw DIN EN ISO 4762	Max load (t)
C12.26.	60	14	20	≥ 25 < 40	12	M12x30	55
C12.26.	60	14	20	≥ 40 - 60	22	M12x40	55
C12.26.	60	14	20	> 60 - 80	42	M12x60	55
C12.26.	60	14	20	> 80 - 100	62	M12x80	55
C12.26.	60	14	20	> 100 - 120	82	M12x100	55
C12.26.	60	14	20	> 120 - 140	102	M12x120	55
C12.26.	60	14	20	> 140 - 160	122	M12x140	55
C12.26.	80	14	20	≥ 25 < 40	12	M12x30	100
C12.26.	80	14	20	≥ 40 - 60	22	M12x40	100
C12.26.	80	14	20	> 60 - 80	42	M12x60	100
C12.26.	80	14	20	> 80 - 100	62	M12x80	100
C12.26.	80	14	20	> 100 - 120	82	M12x100	100
C12.26.	80	14	20	> 120 - 140	102	M12x120	100
C12.26.	80	14	20	> 140 - 160	122	M12x140	100
C12.26.	100	18	26	≥ 40 - 60	20	M16x40	170
C12.26.	100	18	26	> 60 - 80	36	M16x60	170
C12.26.	100	18	26	> 80 - 100	56	M16x80	170
C12.26.	100	18	26	> 100 - 120	76	M16x100	170
C12.26.	100	18	26	> 120 - 140	96	M16x120	170
C12.26.	100	18	26	> 140 - 160	116	M16x140	170
C12.26.	120	22	33	≥ 40 - 60	15	M20x40	250
C12.26.	120	22	33	> 60 - 80	30	M20x60	250
C12.26.	120	22	33	> 80 - 100	50	M20x80	250
C12.26.	120	22	33	> 100 - 120	70	M20x100	250
C12.26.	120	22	33	> 120 - 140	90	M20x120	250
C12.26.	120	22	33	> 140 - 160	110	M20x140	250
C12.26.	150	22	33	≥ 40 - 60	15	M20x40	400
C12.26.	150	22	33	> 60 - 80	30	M20x60	400
C12.26.	150	22	33	> 80 - 100	50	M20x80	400
C12.26.	150	22	33	> 100 - 120	70	M20x100	400
C12.26.	150	22	33	> 120 - 140	90	M20x120	400
C12.26.	150	22	33	> 140 - 160	110	M20x140	400

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE





STOCK

3D WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45

Screws not included

Unpainted

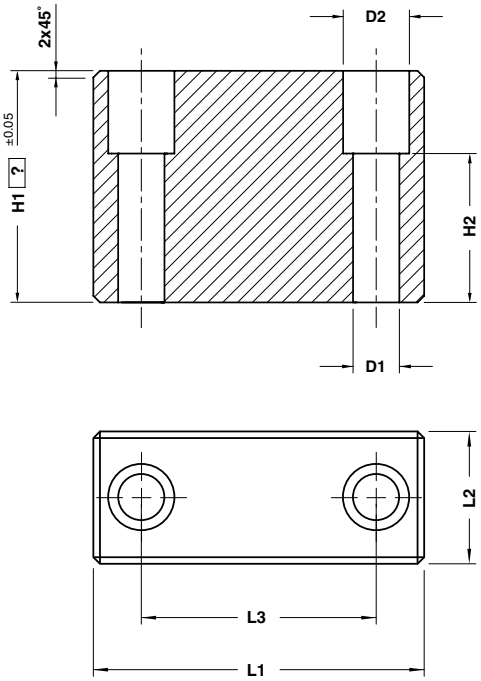
ORDER EXAMPLE	Art.	L1=60	L2=40	H1=60,5
	C12.27.	060	040	06050

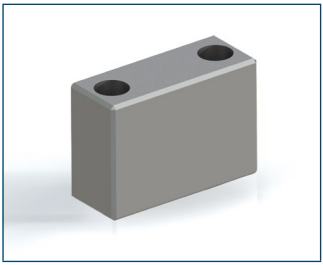
BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

L1 x L2	60 x 40		80 x 40		100 x 40		100 x 50		120 x 60		150 x 80	160 x 100
D1	9		11		14		14		14		18	18
D2	15		18		20		20		20		26	26
Max load (t)	50		65		85		110		160		270	380
L3	40		56		71		76		93		120	130
H2	10	28	8	25	6	22	6	22	6	22	18	18
Screw DIN EN ISO 4762	M8x25	M8x40	M10x25	M10x40	M12x25	M12x40	M12x25	M12x40	M12x25	M12x40	M16x40	M16x40

H1												
20	•		•									
25	•		•		•							
30	•		•		•		•					
35	•		•		•		•					
40	•		•		•		•		•		•	•
45		•		•		•		•		•	•	•
50		•		•		•		•		•	•	•
55		•		•		•		•		•	•	•
60		•		•		•		•		•	•	•

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE





10 3D WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45

Screws not included

Unpainted

ORDER EXAMPLE

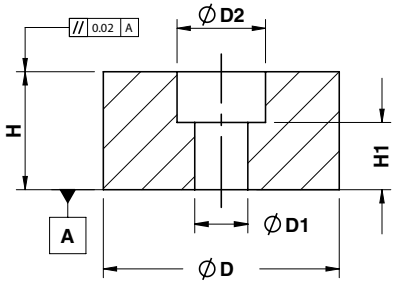
Art.	L1=150	L2=80	H1=85
C12.27.	150	080	08500

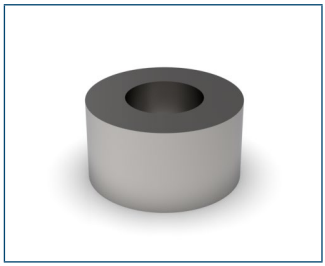
OMCR CODE	D1	D2	H1	H2	L1	L2	L3	Screw DIN EN ISO 4762	Max load (t)
C12.27.	9	15	≥ 20 - 40	10	60	40	40	M8x25	50
C12.27.	9	15	> 40 - 60	28	60	40	40	M8x40	50
C12.27.	9	15	> 60 - 80	48	60	40	40	M8x60	50
C12.27.	9	15	> 80 - 100	68	60	40	40	M8x80	50
C12.27.	9	15	> 100 - 120	68	60	40	40	M8x80	50
C12.27.	9	15	> 120 - 140	68	60	40	40	M8x80	50
C12.27.	9	15	> 140 - 160	68	60	40	40	M8x80	50
C12.27.	11	18	≥ 20 - 40	8	80	40	56	M10x25	65
C12.27.	11	18	> 40 - 60	25	80	40	56	M10x40	65
C12.27.	11	18	> 60 - 80	45	80	40	56	M10x60	65
C12.27.	11	18	> 80 - 100	65	80	40	56	M10x80	65
C12.27.	11	18	> 100 - 120	85	80	40	56	M10x100	65
C12.27.	11	18	> 120 - 140	105	80	40	56	M10x120	65
C12.27.	11	18	> 140 - 160	105	80	40	56	M10x120	65
C12.27.	14	20	≥ 20 - 40	6	100	40	71	M12x25	85
C12.27.	14	20	> 40 - 60	22	100	40	71	M12x40	85
C12.27.	14	20	> 60 - 80	42	100	40	71	M12x60	85
C12.27.	14	20	> 80 - 100	62	100	40	71	M12x80	85
C12.27.	14	20	> 100 - 120	82	100	40	71	M12x100	85
C12.27.	14	20	> 120 - 140	102	100	40	71	M12x120	85

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

OMCR CODE	D1	D2	H1	H2	L1	L2	L3	Screw DIN EN ISO 4762	Max load (t)
C12.27.	14	20	> 140 - 160	122	100	40	71	M12x140	85
C12.27.	14	20	≥ 20 - 40	6	100	50	76	M12x25	110
C12.27.	14	20	> 40 - 60	22	100	50	76	M12x40	110
C12.27.	14	20	> 60 - 80	42	100	50	76	M12x60	110
C12.27.	14	20	> 80 - 100	62	100	50	76	M12x80	110
C12.27.	14	20	> 100 - 120	82	100	50	76	M12x100	110
C12.27.	14	20	> 120 - 140	102	100	50	76	M12x120	110
C12.27.	14	20	> 140 - 160	122	100	50	76	M12x140	110
C12.27.	14	20	≥ 20 - 40	6	120	60	93	M12x25	160
C12.27.	14	20	> 40 - 60	22	120	60	93	M12x40	160
C12.27.	14	20	> 60 - 80	42	120	60	93	M12x60	160
C12.27.	14	20	> 80 - 100	62	120	60	93	M12x80	160
C12.27.	14	20	> 100 - 120	82	120	60	93	M12x100	160
C12.27.	14	20	> 120 - 140	102	120	60	93	M12x120	160
C12.27.	14	20	> 140 - 160	122	120	60	93	M12x140	160
C12.27.	18	26	> 40 - 60	18	150	80	120	M16x40	270
C12.27.	18	26	> 60 - 80	38	150	80	120	M16x60	270
C12.27.	18	26	> 80 - 100	58	150	80	120	M16x80	270
C12.27.	18	26	> 100 - 120	78	150	80	120	M16x100	270
C12.27.	18	26	> 120 - 140	98	150	80	120	M16x120	270
C12.27.	18	26	> 140 - 160	118	150	80	120	M16x140	270
C12.27.	18	26	> 40 - 60	18	160	100	130	M16x40	380
C12.27.	18	26	> 60 - 80	38	160	100	130	M16x60	380
C12.27.	18	26	> 80 - 100	58	160	100	130	M16x80	380
C12.27.	18	26	> 100 - 120	78	160	100	130	M16x100	380
C12.27.	18	26	> 120 - 140	98	160	100	130	M16x120	380
C12.27.	18	26	> 140 - 160	118	160	100	130	M16x140	380

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE





10 3D WEB

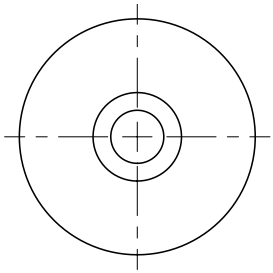
Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45

Screws not included

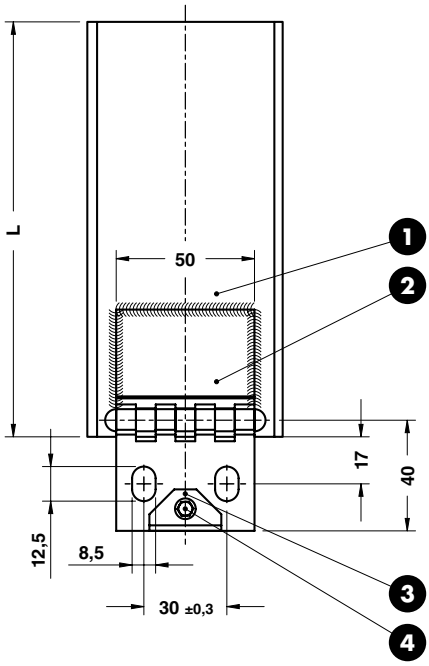
Unpainted



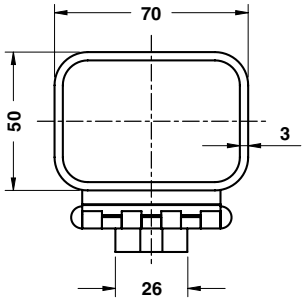
ORDER EXAMPLE	Art.	D=70	H=30	Screw
	C12.28.	070	030	M12

OMCR CODE	D	D1	D2	H	H1	Screw
C12.28.040020M12	40	13	20	20	6	M12
C12.28.070030M08	70	9	15	30	16	M08
C12.28.070030M12	70	13	20	30	15	M12

SPACING BAR - ABSTELLBOLZEN - DISTANZIALE



TYPE 02



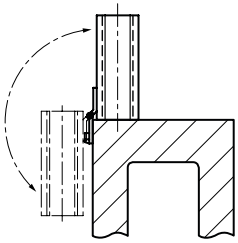
SPACING BAR - ABSTELLBOLZEN - DISTANZIALE

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

1. **Material:** St37
2. AHA Hinge
3. **Material:** Elastomer 68SH
4. Screw M4x8 - DIN912

Application example





STOCK ... 3D WEB

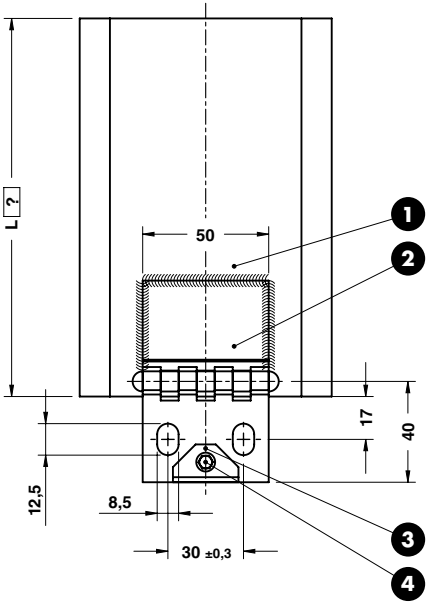
ORDER EXAMPLE	Art.	TYPE	L=70
	C12.30.	02	070

OMCR CODE	TYPE	L	Max load (kN)
C12.30.02065	02	65	100
C12.30.02070	02	70	100
C12.30.02075	02	75	100
C12.30.02080	02	80	100
C12.30.02085	02	85	100
C12.30.02090	02	90	100
C12.30.02095	02	95	100
C12.30.02100	02	100	100
C12.30.02105	02	105	100
C12.30.02110	02	110	100
C12.30.02115	02	115	100
C12.30.02120	02	120	100
C12.30.02125	02	125	100
C12.30.02130	02	130	100
C12.30.02135	02	135	100
C12.30.02140	02	140	100

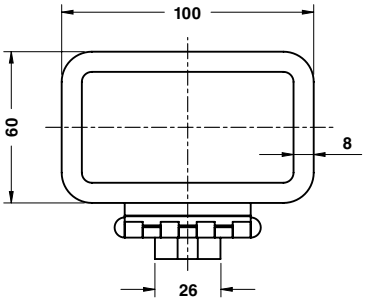
OMCR CODE	TYPE	L	Max load (kN)
C12.30.02150	02	150	100
C12.30.02155	02	155	100
C12.30.02160	02	160	100
C12.30.02165	02	165	100
C12.30.02170	02	170	100
C12.30.02175	02	175	100
C12.30.02180	02	180	100
C12.30.02185	02	185	100
C12.30.02190	02	190	100
C12.30.02195	02	195	100
C12.30.02200	02	200	100
C12.30.02205	02	205	100
C12.30.02210	02	210	100
C12.30.02215	02	215	100
C12.30.02220	02	220	100
C12.30.02225	02	225	100

OMCR CODE	TYPE	L	Max load (kN)
C12.30.02230	02	230	100
C12.30.02235	02	235	100
C12.30.02240	02	240	100
C12.30.02245	02	245	100
C12.30.02250	02	250	100
C12.30.02260	02	260	100
C12.30.02270	02	270	100
C12.30.02280	02	280	100
C12.30.02290	02	290	100
C12.30.02300	02	300	100
C12.30.02310	02	310	100
C12.30.02320	02	320	100
C12.30.02330	02	330	100
C12.30.02340	02	340	100
C12.30.02350	02	350	100

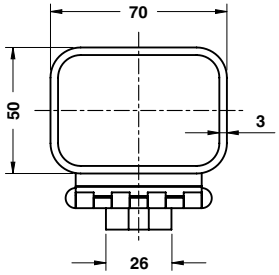
SPACING BAR - ABSTELLBOLZEN - DISTANZIALE

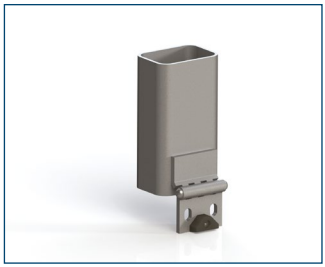


TYPE 01



TYPE 02





10 ... 3D WEB

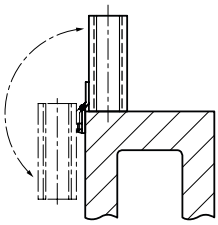
L max. = 400

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

1. **Material:** St37
2. AHA Hinge
3. **Material:** Elastomer 68SH
4. Screw M4x8 - DIN912

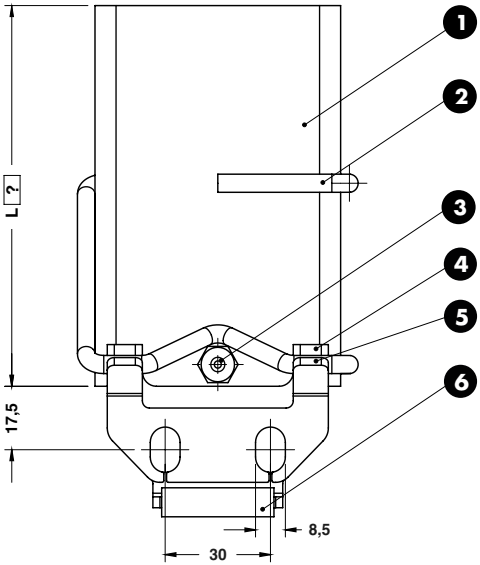
Application example



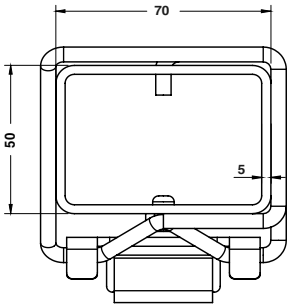
ORDER EXAMPLE	Art.	TYPE	L=200
	C12.30.	01	200

OMCR CODE	TYPE	Max load (kN)
C12.30.	01	300
C12.30.	02	100

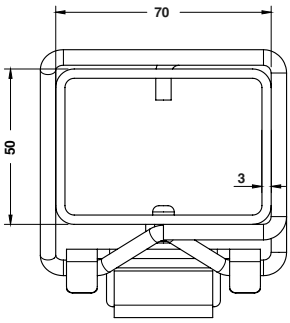
SPACING BAR - ABSTELLBOLZEN - DISTANZIALE

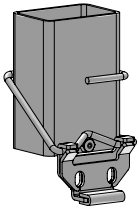


TYPE 03



TYPE 04





10 ... 3D WEB

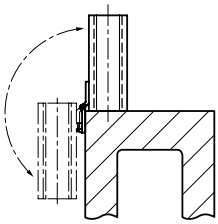
80 ≤ L ≥ 400

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

1. **Material:** St37
2. Steel spring
3. Rivet
4. Plate
5. Plate
6. PVC

Application example



ORDER EXAMPLE	Art.	TYPE	L=200
	C12.30.	03	200

OMCR CODE	TYPE	Max load (kN)
C12.30.	03	235
C12.30.	04	125

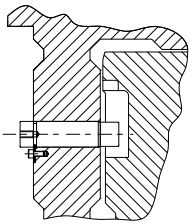
PAD RETAINER PIN VDI 3365 - STECKBOLZEN VDI 3365 - PERNO DI ARRESTO VDI 3365

Respect the dynamic load
Dynamische Last berücksichtigen
Rispettare il carico dinamico

Notes

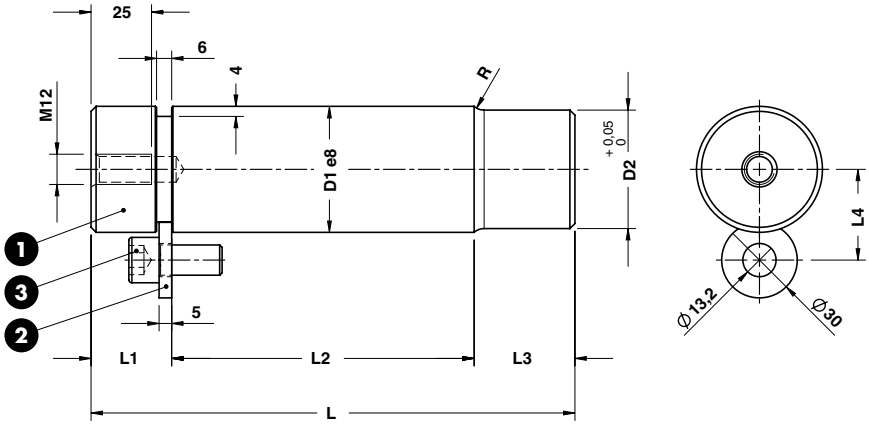
1. **Material:** 42CrMo4 800÷1000 N/mm²
2. **Material:** CK45
3. Screw M12x20 - DIN 912

Application example





STOCK ... 3D WEB



ORDER EXAMPLE	Art.	D1=32	L=105
	C13.10.	32	105

OMCR CODE	D1	D2	L	L1	L2	L3	L4	R	Dynamic load (kN)
C13.10.32105	32	29	105	22	58	25	27	4	3
C13.10.32122	32	29	122	22	75	25	27	4	3
C13.10.40139	40	37	139	32	75	32	31	5	5
C13.10.40159	40	37	159	32	95	32	31	5	5
C13.10.50167	50	47	167	32	95	40	36	6	7,5
C13.10.50192	50	47	192	32	120	40	36	6	7,5
C13.10.63202	63	60	202	32	120	50	42,5	6	12,5
C13.10.63237	63	60	237	32	155	50	42,5	6	12,5

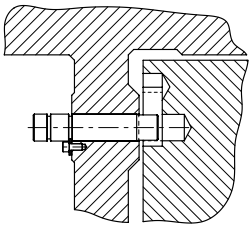
PAD RETAINER PIN VDI 3365 - STECKBOLZEN VDI 3365 - PERNO DI ARRESTO VDI 3365

Respect the dynamic load
Dynamische Last berücksichtigen
Rispettare il carico dinamico

Notes

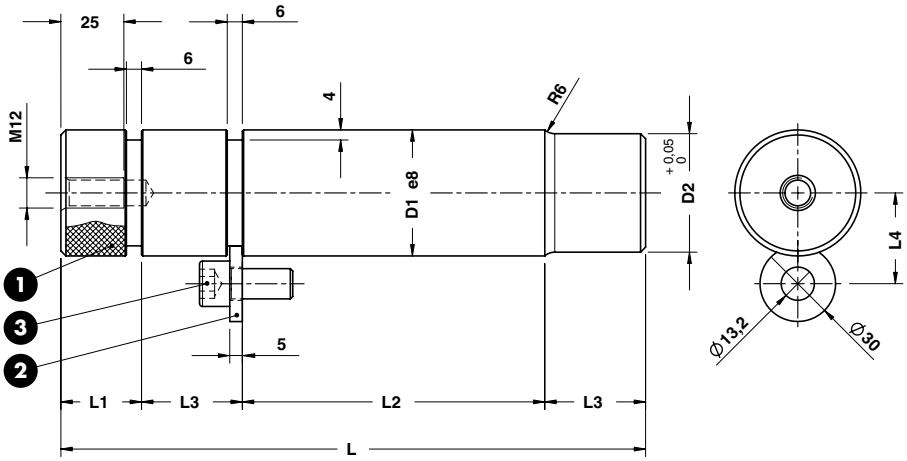
1. **Material:** 42CrMo4 800÷1000 N/mm²
2. **Material:** CK45
3. Screw M12x20 - DIN 912

Application example





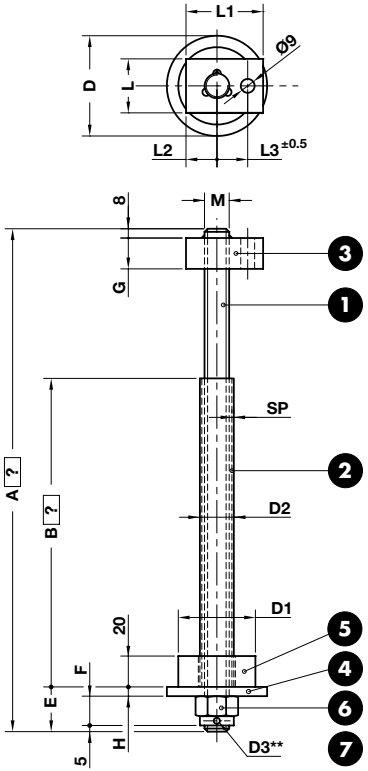
STOCK ... 3D WEB



ORDER EXAMPLE	Art.	D1=32	L=130
	C13.11.	32	130

OMCR CODE	D1	D2	L	L1	L2	L3	L4	R	Dynamic load (kN)
C13.11.32130	32	29	130	22	58	25	27	4	3
C13.11.32147	32	29	147	22	75	25	27	4	3
C13.11.40171	40	37	171	32	75	32	31	5	5
C13.11.40191	40	37	191	32	95	32	31	5	5
C13.11.50207	50	47	207	32	95	40	36	6	7,5
C13.11.50232	50	47	232	32	120	40	36	6	7,5
C13.11.63252	63	60	252	32	120	50	42,5	6	12,5
C13.11.63287	63	60	287	32	155	50	42,5	6	12,5

RETAINER BOLT - ZUGBOLZENSATZ - GRUPPO TIRANTE



** Drill hole in rod for copper pin at assembly
Bohrung für splint durchzufuhren bei der montage
Foro per copiglia da eseguire al montaggio



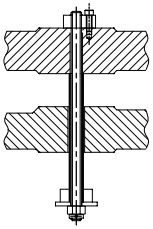
10 ... 3D WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

1. **Material:** Thread rod cl 8.8
2. 3. **Material:** St37
4. **Material:** CK45
5. Elastomer 92SH
6. DIN 935 cl. 8.8
7. DIN 94

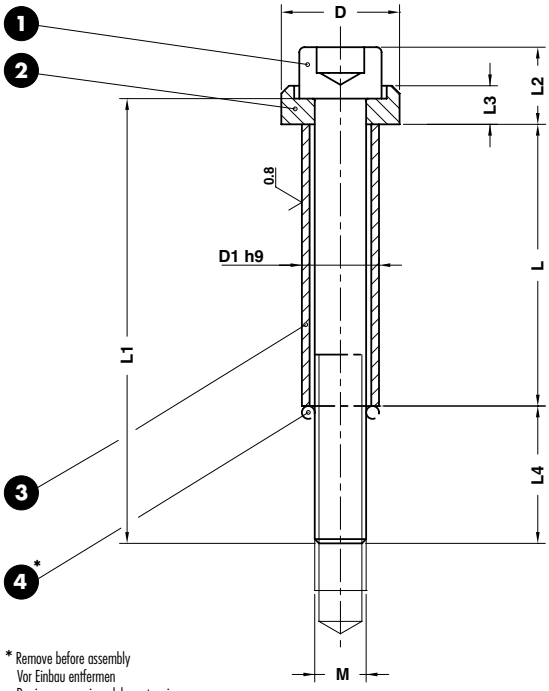
Application example



ORDER EXAMPLE	Art.	M=M30	A=100	B=60
	C13.20.	M30	100	60

OMCR CODE	D	D1	D2	D3	SP	E	F	G	H	L	L1	L2	L3	M	Max load (kN)
C13.20.	65	50	22	4	2,5	30	19	20	6	35	50	20	20	M16	2,5
C13.20.	82	63	25	4	2	35	22	20	8	40	50	20	20	M20	4,5
C13.20.	105	80	30	5	2,5	42	27	20	10	45	50	20	20	M24	7,5
C13.20.	130	100	38	6,3	3,5	50	33	25	12	50	63	28	26	M30	12,5

GROUND COLLAR SCREW - SCHRAUBE MIT DISTANZROHR - VITE CON COLLETTO



* Remove before assembly
Vor Einbau entfernen
Da rimuovere prima del montaggio

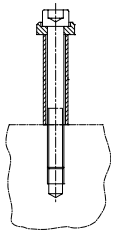


STOCK ... 3D WEB

Notes

1. DIN 912 cl. 12.9
2. **Material:** Steel 1000 N/mm²
3. **Material:** Steel 1200÷1400 N/mm²
4. O-Ring*

Application example



ORDER EXAMPLE	Art.	M=M6	L=70
	C13.24.	M06	070

OMCR CODE	D	D1	L	L1	L2	L3	L4	M
C13.24.M06020	15	10	20	35	10	5,5	11	M6
C13.24.M06025	15	10	25	40	10	5,5	11	M6
C13.24.M06030	15	10	30	45	10	5,5	11	M6
C13.24.M06035	15	10	35	50	10	5,5	11	M6
C13.24.M06040	15	10	40	55	10	5,5	11	M6
C13.24.M06045	15	10	45	60	10	5,5	11	M6
C13.24.M06050	15	10	50	65	10	5,5	11	M6
C13.24.M06055	15	10	55	70	10	5,5	11	M6
C13.24.M06060	15	10	60	80	10	5,5	16	M6
C13.24.M06070	15	10	70	90	10	5,5	16	M6
C13.24.M06080	15	10	80	100	10	5,5	16	M6
C13.24.M06090	15	10	90	110	10	5,5	16	M6
C13.24.M06100	15	10	100	120	10	5,5	16	M6
C13.24.M08030	19	12,5	30	45	13	6,5	10	M8
C13.24.M08035	19	12,5	35	50	13	6,5	10	M8
C13.24.M08040	19	12,5	40	55	13	6,5	10	M8
C13.24.M08045	19	12,5	45	60	13	6,5	10	M8

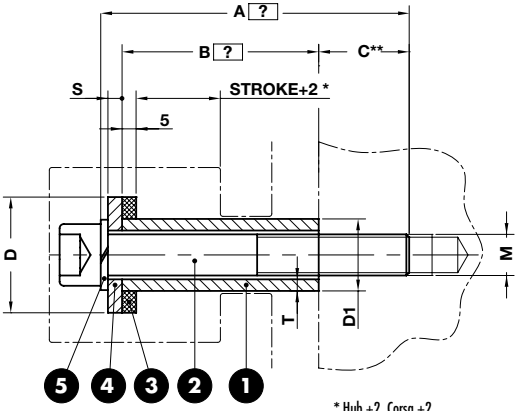
GROUND COLLAR SCREW - SCHRAUBE MIT DISTANZROHR - VITE CON COLLETTO

OMCR CODE	D	D1	L	L1	L2	L3	L4	M
C13.24.M08050	19	12,5	50	65	13	6,5	10	M8
C13.24.M08055	19	12,5	55	70	13	6,5	10	M8
C13.24.M08060	19	12,5	60	80	13	6,5	15	M8
C13.24.M08070	19	12,5	70	90	13	6,5	15	M8
C13.24.M08080	19	12,5	80	100	13	6,5	15	M8
C13.24.M08090	19	12,5	90	110	13	6,5	15	M8
C13.24.M08100	19	12,5	100	120	13	6,5	15	M8
C13.24.M10030	23	15	30	50	15	7,5	15	M10
C13.24.M10035	23	15	35	55	15	7,5	15	M10
C13.24.M10040	23	15	40	60	15	7,5	15	M10
C13.24.M10045	23	15	45	65	15	7,5	15	M10
C13.24.M10050	23	15	50	70	15	7,5	15	M10
C13.24.M10055	23	15	55	75	15	7,5	15	M10
C13.24.M10060	23	15	60	80	15	7,5	15	M10
C13.24.M10070	23	15	70	90	15	7,5	15	M10
C13.24.M10080	23	15	80	100	15	7,5	15	M10
C13.24.M10090	23	15	90	110	15	7,5	15	M10
C13.24.M10100	23	15	100	120	15	7,5	15	M10
C13.24.M10120	23	15	120	140	15	7,5	15	M10
C13.24.M12030	27	17,5	30	50	18	9	14	M12
C13.24.M12040	27	17,5	40	60	18	9	14	M12
C13.24.M12045	27	17,5	45	65	18	9	14	M12
C13.24.M12050	27	17,5	50	70	18	9	14	M12
C13.24.M12055	27	17,5	55	80	18	9	19	M12
C13.24.M12060	27	17,5	60	90	18	9	24	M12
C13.24.M12070	27	17,5	70	100	18	9	24	M12
C13.24.M12080	27	17,5	80	110	18	9	24	M12
C13.24.M12090	27	17,5	90	120	18	9	24	M12
C13.24.M12100	27	17,5	100	130	18	9	24	M12
C13.24.M12110	27	17,5	110	140	18	9	24	M12
C13.24.M12120	27	17,5	120	150	18	9	24	M12
C13.24.M12140	27	17,5	140	180	18	9	24	M12
C13.24.M16050	34	23	50	80	24	11	22	M16
C13.24.M16060	34	23	60	90	24	11	22	M16
C13.24.M16070	34	23	70	100	24	11	22	M16
C13.24.M16080	34	23	80	110	24	11	22	M16
C13.24.M16090	34	23	90	120	24	11	22	M16
C13.24.M16100	34	23	100	130	24	11	22	M16
C13.24.M16110	34	23	110	140	24	11	22	M16
C13.24.M16120	34	23	120	150	24	11	22	M16
C13.24.M16140	34	23	140	180	24	11	32	M16
C13.24.M16150	34	23	150	180	24	11	22	M16
C13.24.M16160	34	23	160	200	24	11	32	M16

C13.25.?

OMCR

PAD RETAINER - HALTEELEMENT - GRUPPO TIRANTE



10 ...

3D WEB



Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

ORDER EXAMPLE	Art.	M=M10	A=100	B=76
	C13.25.	M10	A100	B076

* Hub +2, Corsa +2
** 1,5 x M on steel, auf stahl, su acciaio
2 x M on cast iron, auf gusseisen, su ghisa

OMCR CODE	D	D1	M	S	T	Max load (kN)
C13.25.	32	16	M10	4	2,5	1
C13.25.	36	20	M12	6	3,5	1,5
C13.25.	45	28	M16	6	5,5	2,5

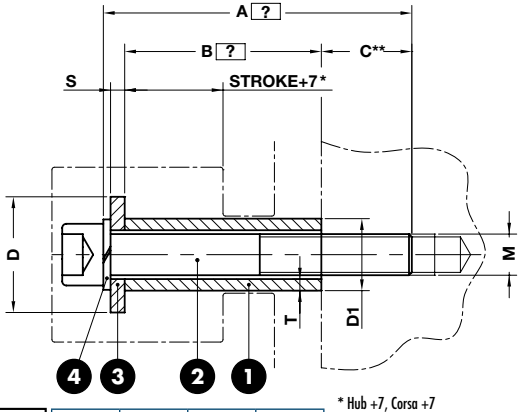
Notes

1. **Material:** St37
2. DIN 912 cl. 8.8
3. **Material:** Elastomer 92SH
4. **Material:** CK45
5. SCHNORR

C13.26.?

OMCR

PAD RETAINER - HALTEELEMENT - GRUPPO TIRANTE



10 ...

3D WEB



Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

ORDER EXAMPLE	Art.	M=M10	A=100	B=76
	C13.26.	M10	A100	B076

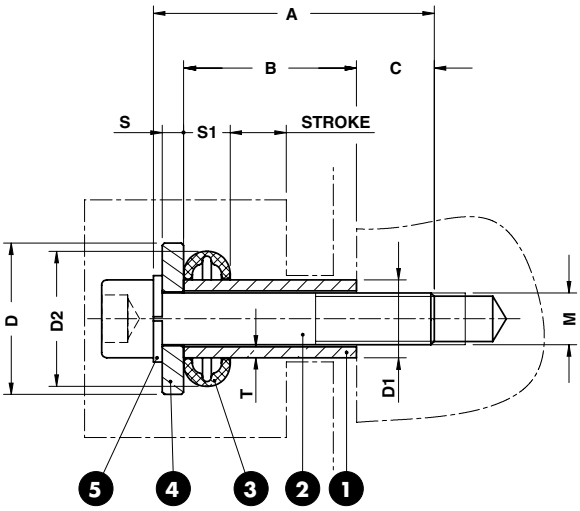
* Hub +7, Corsa +7
** 1,5 x M on steel, auf stahl, su acciaio
2 x M on cast iron, auf gusseisen, su ghisa

OMCR CODE	D	D1	M	S	T	Max load (kN)
C13.26.	25	16	M10	4	2,5	1
C13.26.	30	20	M12	6	3,5	1,5
C13.26.	40	28	M16	6	5,5	2,5

Notes

1. **Material:** St37
2. DIN 912 cl. 8.8
3. **Material:** CK45
4. SCHNORR

ANTI-REBOUND PAD RETAINER
HALTEELEMENT MIT DÄMPFUNG
GRUPPO TIRANTE ANTIRIMBALZO





STOCK ... 3D WEB

Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

For dimensioning see pages 90-91
Dimensionierung s. Seiten 90-91
Per il dimensionamento vedi pagine 90-91

Notes

1. **Material:** St37
2. DIN 912 cl. 8.8
3. C17.27
4. **Material:** CK45
5. DIN 127

ORDER EXAMPLE	Art.	M=M10	A=75	B=50
	C13.27.	M10	075	050

OMCR CODE	A	B	C	D	D1	D2	M	S	S1	T
C13.27.M10065040	65	40	18	30	16	26,4	M10	5	7,8	2,5
C13.27.M10075050	75	50	18	30	16	26,4	M10	5	7,8	2,5
C13.27.M10090063	90	63	20	30	16	26,4	M10	5	7,8	2,5
C13.27.M10130100	130	100	18	30	16	26,4	M10	5	7,8	2,5
C13.27.M12080050	80	50	23	35	20	32,1	M12	5	10,8	3,5
C13.27.M12090063	90	63	20	35	20	32,1	M12	5	10,8	3,5
C13.27.M12110080	110	80	23	35	20	32,1	M12	5	10,8	3,5
C13.27.M12130100	130	100	23	35	20	32,1	M12	5	10,8	3,5
C13.27.M16100063	100	63	28	50	25	45,8	M16	6	17,0	4
C13.27.M16120080	120	80	31	50	25	45,8	M16	6	17,0	4
C13.27.M16140100	140	100	31	50	25	45,8	M16	6	17,0	4
C13.27.M16160125	160	125	26	50	25	45,8	M16	6	17,0	4
C13.27.M20130080	130	80	38	65	30	54,6	M20	8	21,3	4
C13.27.M20170125	170	125	33	65	30	54,6	M20	8	21,3	4
C13.27.M24140080	140	80	45	70	36	61,8	M24	10	21,5	5
C13.27.M24160100	160	100	45	70	36	61,8	M24	10	21,5	5
C13.27.M24180125	180	125	40	70	36	61,8	M24	10	21,5	5
C13.27.M30160080	160	80	59	90	42	78,5	M30	15	29,4	5
C13.27.M30180100	180	100	59	90	42	78,5	M30	15	29,4	5
C13.27.M30200125	200	125	54	90	42	78,5	M30	15	29,4	5

ANTI-REBOUND PAD RETAINER
HALTEELEMENT MIT DÄMPFUNG
GRUPPO TIRANTE ANTIRIMBALZO

EXAMPLE:

Pressure pad weight - Niederhaltergewicht - Massa del premilamiera: **500 daN**

Pressure pad speed - Niederhaltergeschwindigkeit - Velocità del premilamiera: **0,4 m/s**

Strokes/minute - Hübe/min - Corse/min.: **20**

Strokes/minute 18÷25

Pressure pad weight (daN)	Pressure pad speed (m/s)										
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1
100	2x M10	2x M10	2x M10	2x M12	2x M12	3x M12	3x M12	2x M16	3x M16	3x M16	2x M20
				4x M10	5x M10	7x M10	9x M10	4x M12	5x M12	6x M12	4x M16
250	2x M10	3x M10	2x M12	3x M12	3x M16	3x M16	2x M20	2x M20	3x M20	3x M20	3x M24
			5x M10	8x M10	4x M12	6x M12	4x M16	5x M16	6x M16	8x M16	4x M20
500	3x M10	3x M12	3x M16	3x M16	3x M20	3x M20	3x M24	3x M24	3x M30	3x M30	4x M30
		6x M10	4x M12	6x M12	5x M16	6x M16	4x M20	4x M20	4x M24	4x M24	5x M24
750	3x M12	3x M16	3x M16	3x M20	3x M20	3x M24	3x M24	3x M30	4x M30	4x M30	5x M30
	5x M10	4x M12	6x M12	5x M16	7x M16	4x M20	5x M20	4x M24	5x M24	6x M24	7x M24
1000	3x M12	3x M16	3x M20	3x M20	3x M24	3x M30	3x M30	4x M30	5x M30	6x M30	7x M30
	6x M10	5x M12	4x M16	6x M16	4x M20	4x M24	4x M24	5x M24	7x M24	8x M24	9x M24

- **Nr.3 C13.27.M16 or nr.6 C13.27.M12**
- **3 St. C13.27.M16 oder 6 St. C13.27.M12**
- **N.3 C13.27.M16 o n.6 C13.27.M12**

Strokes/minute ≤17

Pressure pad weight (daN)	Pressure pad speed (m/s)												
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3
100	2x M10	2x M10	2x M10	2x M12	2x M12	3x M12	3x M12	2x M16	3x M16	3x M16	2x M20	2x M20	2x M20
				4x M10	5x M10	7x M10	9x M10	4x M12	5x M12	6x M12	4x M16	4x M16	5x M16
250	2x M10	3x M10	2x M12	3x M12	2x M16	3x M16	2x M20	2x M20	3x M20	3x M20	3x M24	3x M24	3x M24
			5x M10	8x M10	4x M12	6x M12	4x M16	5x M16	6x M16	7x M16	4x M20	5x M20	5x M20
500	3x M10	3x M12	3x M16	3x M16	3x M20	3x M20	3x M24	3x M24	3x M30	3x M30	3x M30	3x M30	4x M30
		6x M10	4x M12	6x M12	4x M16	6x M16	4x M20	4x M20	4x M24	4x M24	5x M24	6x M24	6x M24
750	3x M12	3x M16	3x M16	3x M20	3x M20	3x M24	3x M24	3x M30	3x M30	3x M30	4x M30	5x M30	5x M30
	5x M10	4x M12	6x M12	5x M16	6x M16	4x M20	5x M20	4x M24	5x M24	6x M24	7x M24	8x M24	9x M24
1000	3x M12	3x M16	3x M20	3x M20	3x M24	3x M30	3x M30	3x M30	4x M30	4x M30	5x M30	6x M30	7x M30
	6x M10	5x M12	4x M16	6x M16	4x M20	4x M24	4x M24	5x M24	7x M24	8x M24	9x M24	11x M24	12x M24
1250	4x M12	4x M16	4x M20	4x M20	4x M24	4x M24	4x M30	4x M30	5x M30	5x M30	6x M30	7x M30	9x M30
	7x M10	6x M12	5x M16	7x M16	5x M20	7x M20	5x M24	7x M24	8x M24	10x M24	11x M24		
1500	4x M12	4x M16	4x M20	4x M20	4x M24	4x M30	4x M30	5x M30	5x M30	6x M30	8x M30	9x M30	10x M30
	9x M10	7x M12	6x M16	9x M16	6x M20	5x M24	6x M24	8x M24	10x M24	11x M24			
1750	4x M16	4x M16	4x M20	4x M24	4x M30	4x M30	4x M30	5x M30	6x M30	7x M30	9x M30	10x M30	12x M30
	5x M12	8x M12	7x M16	5x M20	5x M24	6x M24	7x M24	9x M24	11x M24				
2000	4x M16	4x M20	4x M20	4x M24	4x M30	4x M30	5x M30	6x M30	7x M30	8x M30	10x M30	12x M30	
	6x M12	5x M16	8x M16	6x M20	5x M24	7x M24	8x M24	10x M24					
2500	4x M16	4x M20	4x M24	4x M30	4x M30	5x M30	6x M30	7x M30	9x M30	10x M30	12x M30		
	7x M12	6x M16	5x M20	5x M24	6x M24	8x M24	10x M24						
3000	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	7x M30	9x M30	10x M30	12x M30			
	8x M12	7x M16	6x M20	6x M24	7x M24	10x M24	12x M24						
3500	4x M20	4x M24	4x M30	4x M30	5x M30	7x M30	8x M30	10x M30	12x M30				
	5x M16	5x M20	5x M24	6x M24	9x M24	11x M24							
4000	4x M20	4x M24	4x M30	5x M30	6x M30	7x M30	9x M30	11x M30					
	6x M16	6x M20	5x M24	7x M24	10x M24								
4500	4x M20	4x M24	4x M30	5x M30	7x M30	8x M30	10x M30						
	6x M16	6x M20	6x M24	8x M24	11x M24								
5000	4x M24	4x M30	4x M30	6x M30	7x M30	9x M30	12x M30						
	5x M20	5x M24	6x M24	9x M24	12x M24								
5500	4x M24	4x M30	5x M30	6x M30	8x M30	10x M30							
	5x M20	5x M24	7x M24	10x M24									
6000	4x M24	4x M30	5x M30	7x M30	9x M30	11x M30							
	5x M20	5x M24	8x M24	11x M24									

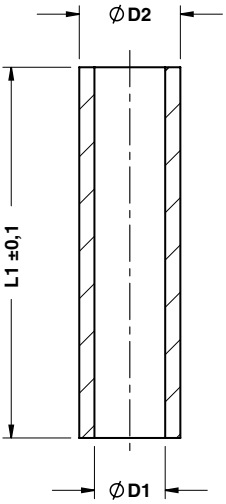
Strokes/minute 18÷25

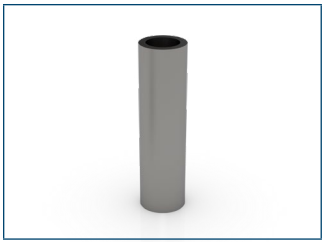
Pressure pad weight (daN)	Pressure pad speed (m/s)												
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3
100	2x M10	2x M10	2x M10	2x M12	2x M12	3x M12	3x M12	2x M16	3x M16	3x M16	2x M20	2x M20	2x M20
				4x M10	5x M10	7x M10	9x M10	4x M12	5x M12	6x M12	4x M16	5x M16	5x M16
250	2x M10	3x M10	2x M12	3x M12	3x M16	3x M16	2x M20	2x M20	3x M20	3x M20	3x M24	3x M24	3x M24
			5x M10	8x M10	4x M12	6x M12	4x M16	5x M16	6x M16	8x M16	4x M20	5x M20	5x M20
500	3x M10	3x M12	3x M16	3x M16	3x M20	3x M20	3x M24	3x M24	3x M30	3x M30	4x M30	4x M30	5x M30
		6x M10	4x M12	6x M12	5x M16	6x M16	4x M20	4x M20	4x M24	4x M24	5x M24	6x M24	6x M24
750	3x M12	3x M16	3x M16	3x M20	3x M20	3x M24	3x M24	3x M30	4x M30	4x M30	5x M30	6x M30	7x M30
	5x M10	4x M12	6x M12	5x M16	7x M16	4x M20	5x M20	4x M24	5x M24	6x M24	7x M24	8x M24	9x M24
1000	3x M12	3x M16	3x M20	3x M20	3x M24	3x M30	3x M30	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30
	6x M10	5x M12	4x M16	6x M16	4x M20	4x M24	4x M24	5x M24	7x M24	8x M24	9x M24	11x M24	12x M24
1250	4x M12	4x M16	4x M20	4x M20	4x M24	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	10x M30	11x M30
	7x M10	6x M12	5x M16	8x M16	5x M20	7x M20	5x M24	7x M24	8x M24	10x M24	11x M24		
1500	4x M12	4x M16	4x M20	4x M24	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	10x M30	12x M30	
	9x M10	7x M12	6x M16	5x M20	6x M20	5x M24	6x M24	8x M24	10x M24	11x M24			
1750	4x M16	4x M16	4x M20	4x M24	4x M30	4x M30	6x M30	7x M30	8x M30	10x M30	12x M30		
	5x M12	8x M12	7x M16	5x M20	5x M24	6x M24	7x M24	9x M24	11x M24				
2000	4x M16	4x M20	4x M20	4x M24	4x M30	5x M30	6x M30	8x M30	9x M30	11x M30			
	6x M12	5x M16	8x M16	6x M20	5x M24	7x M24	8x M24	10x M24					
2500	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	8x M30	10x M30	12x M30				
	7x M12	6x M16	5x M20	5x M24	6x M24	8x M24	10x M24						
3000	4x M16	4x M20	4x M24	4x M30	6x M30	7x M30	9x M30	11x M30					
	8x M12	7x M16	6x M20	6x M24	7x M24	10x M24	12x M24						
3500	4x M20	4x M24	4x M30	5x M30	7x M30	8x M30	11x M30						
	5x M16	5x M20	5x M24	6x M24	9x M24	11x M24							
4000	4x M20	4x M24	4x M30	6x M30	7x M30	10x M30	12x M30						
	6x M16	6x M20	5x M24	7x M24	10x M24								
4500	4x M20	4x M24	5x M30	6x M30	8x M30	11x M30							
	6x M16	6x M20	6x M24	8x M24	11x M24								
5000	4x M24	4x M30	5x M30	7x M30	9x M30	12x M30							
	5x M20	5x M24	6x M24	9x M24	12x M24								
5500	4x M24	4x M30	6x M30	8x M30	10x M30								
	5x M20	5x M24	7x M24	10x M24									
6000	4x M24	4x M30	6x M30	8x M30	11x M30								
	6x M20	5x M24	8x M24	11x M24									

Strokes/minute 26÷40

Pressure pad weight (daN)	Pressure pad speed (m/s)												
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3
100	2x M10	2x M10	2x M10	2x M12	2x M12	3x M12	3x M12	2x M16	3x M16	3x M16	3x M20	3x M20	2x M24
				4x M10	5x M10	7x M10	9x M10	4x M12	5x M12	6x M12	4x M16	5x M16	4x M20
250	2x M10	3x M10	2x M12	3x M12	3x M16	3x M16	3x M20	2x M24	3x M24	3x M24	3x M30	4x M30	4x M30
			5x M10	8x M10	4x M12	6x M12	4x M16	4x M20	4x M20	5x M20	4x M24	5x M24	5x M24
400	3x M10	2x M12	3x M12	3x M16	3x M20	2x M24	3x M24	3x M30	3x M30	4x M30	5x M30	5x M30	6x M30
		5x M10	8x M10	5x M12	4x M16	4x M20	5x M20	4x M24	4x M24	5x M24	6x M24	7x M24	8x M24
550	3x M10	3x M12	3x M16	3x M20	3x M24	3x M324	3x M30	4x M30	4x M30	5x M30	6x M30	7x M30	8x M30
		6x M10	4x M12	4x M16	4x M20	5x M20	4x M24	5x M24	6x M24	7x M24	8x M24	9x M24	11x M24
700	3x M12	3x M16	3x M16	3x M20	3x M24	3x M30	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30
	4x M10	4x M12	5x M12	4x M16	5x M20	4x M24	5x M24	6x M24	7x M24	8x M24	10x M24	12x M24	
850	3x M12	3x M16	3x M20	3x M24	3x M24	4x M30	4x M30	5x M30	7x M30	8x M30	9x M30	11x M30	12x M30
	5x M10	4x M12	4x M16	4x M20	5x M20	4x M24	6x M24	7x M24	8x M24	10x M24	12x M24		
1000	3x M12	3x M16	3x M20	3x M24	3x M30	4x M30	5x M30	6x M30	8x M30	9x M30	11x M30		
	6x M10	5x M12	4x M16	5x M20	4x M24	5x M24	7x M24	8x M24	10x M24	12x M24			
1150	3x M16	3x M16	3x M24	3x M24	4x M30	5x M30	6x M30	7x M30	9x M30	10x M30	12x M30		
	4x M12	6x M12	4x M20	5x M20	4x M24	6x M24	7x M24	9x M24	11x M24				
1300	4x M12	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	8x M30	10x M30	12x M30			
	7x M10	6x M12	5x M16	6xM20	5x M24	7x M24	8x M24	10x M24					
1450	4x M12	4x M16	4x M24	4x M24	4x M30	6x M30	7x M30	9x M30	11x M30				
	8x M10	7x M12	5x M20	7x M20	6x M24	7x M24	9x M24	12x M24					
1600	4x M16	4x M16	4x M24	4x M24	5x M30	6x M30	8x M30	10x M30	12x M30				
	5x M12	8x M12	5x M20	7x M20	6x M24	8x M24	10x M24						
1850	4x M16	4x M20	4x M24	4x M30	5x M30	7x M30	9x M30	11x M30					
	5x M12	5x M16	6x M20	5x M24	7x M24	9x M24	12x M24						
2000	4x M16	4x M20	4x M24	4x M30	6x M30	8x M30	10x M30	12x M30					
	6x M12	5x M16	6x M20	5x M24	7x M24	10x M24							
2150	4x M16	4x M20	4x M24	5x M30	6x M30	8x M30	10x M30						
	6x M12	5x M16	7x M20	6x M24	8x M24	10x M24							
2300	4x M16	4x M24	4x M24	5x M30	7x M30	9x M30	11x M30						
	7x M12	5x M20	7x M20	6x M24	8x M24	11x M24							
2450	4x M16	4x M24	4x M30	5x M30	7x M30	9x M30	12x M30						
	7x M12	5x M20	5x M24	7x M24	9x M24	12x M24							
2600	4x M16	4x M24	4x M30	6x M30	8x M30	10x M30	12x M30						
	7x M12	5x M20	5x M24	7x M24	9x M24								

SPACER TUBE - DISTANZBUCHSE - TUBO DISTANZIALE





10

3D WEB

Notes

Material: E235 (1.0308)
HRC: 56÷60

Warning: Other lengths on request
Actung: Andere Längen auf Anfrage
Attenzione: Altre lunghezza a richiesta

ORDER EXAMPLE

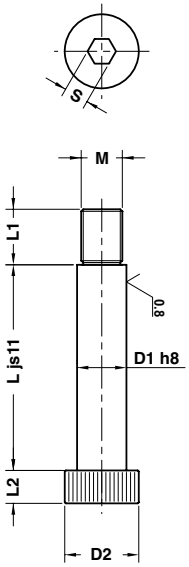
Art.	D1=13	D2=20	L1=80
C13.29.	130	200	080

SPACER TUBE - DISTANZBUCHSE - TUBO DISTANZIALE

STANDARD DIAMETERS											OTHER DIAMETERS ON REQUEST				
D1	9	11	13	17	22	22	26	26	31	32	6,4	8,4	13	22	23
D2	13	16	20	25	30	36	36	42	55	42	10	12	19	32	35

L1	STANDARD LENGTHS										LENGTHS ON REQUEST
50	•	•	•	•	•	•					
63	•	•	•	•	•	•					
80		•	•	•	•	•	•	•			
100	•	•	•	•	•	•	•	•			
125		•	•	•	•	•	•	•			
150				•	•	•	•	•	•	•	
200		•	•	•	•	•	•	•	•	•	

COLLAR SCREW - SCHULTER-PASSCHRAUBE - VITE CON COLLETTO





STOCK

3D WEB

Notes

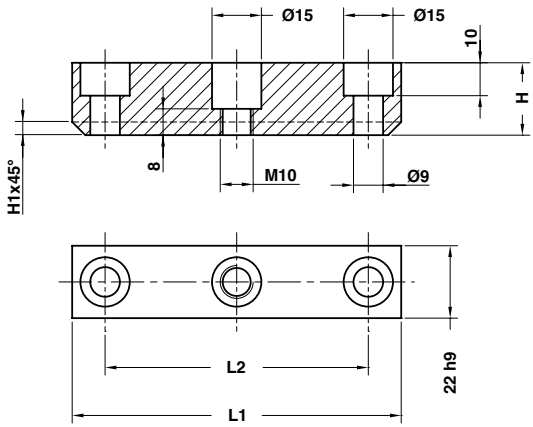
Material: Steel cl. 12.9

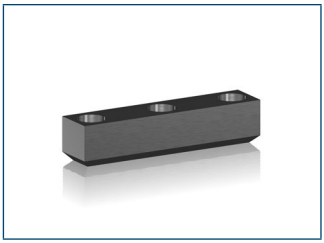
ORDER EXAMPLE

Art.	D1=6	L=10
C13.30.	06	010

M	M5	M6	M8	M10	M12	M16	M20
D1	6	8	10	12	16	20	24
D2	10	13	16	18	24	30	36
L1	9,5	11	13	16	18	22	27
L2	4,5	5,5	7	9	11	14	16
S	3	4	5	6	8	10	12
L							
10	•	•					
12	•	•					
15	•	•	•	•			
16	•	•	•	•			
20	•	•	•	•			
25	•	•	•	•			
30	•	•	•	•	•		
35	•	•	•	•	•		
40	•	•	•	•	•	•	
45	•	•	•	•	•	•	
50	•	•	•	•	•	•	•
55	•	•	•	•	•	•	•
60	•	•	•	•	•	•	•
65		•	•	•	•	•	•
70		•	•	•	•	•	•
80		•	•	•	•	•	•
90		•	•	•	•	•	•
100		•	•	•	•	•	•
120				•	•	•	•

KEY - PASSFEDER - CHIAVETTA DI REAZIONE





STOCK

3D WEB

Notes

Material: CK45

ORDER EXAMPLE

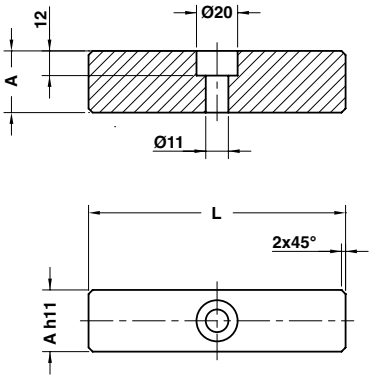
Art.	H=14	L1=50
C14.09.	14	050

OMCR CODE	H	H1	L1	L2
C14.09.14050	14	-	50	32
C14.09.14080	14	-	80	50
C14.09.14100	14	-	100	80
C14.09.14125	14	-	125	100
C14.09.22050	22	4	50	32
C14.09.22080	22	4	80	50
C14.09.22100	22	4	100	80
C14.09.22125	22	4	125	100
C14.09.40050	40	4	50	32
C14.09.40080	40	4	80	50
C14.09.40100	40	4	100	80
C14.09.40125	40	4	125	100

C14.10

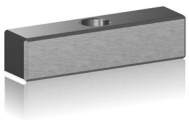
OMCR

KEY - PASSFEDER - CHIAVETTA DI REAZIONE



STOCK

3D WEB



Notes

Material: CK45

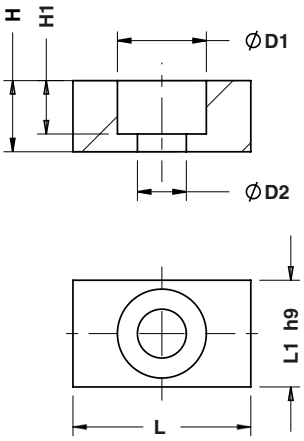
ORDER EXAMPLE	Art.	A=25	L=80
	C14.10.	25	080

OMCR CODE	A	L
C14.10.25080	25	80
C14.10.25125	25	125
C14.10.30080	30	80
C14.10.30125	30	125

C14.11

OMCR

RETAINER - HALTESTÜCK - RITEGNO PER MATRICE



STOCK

3D WEB



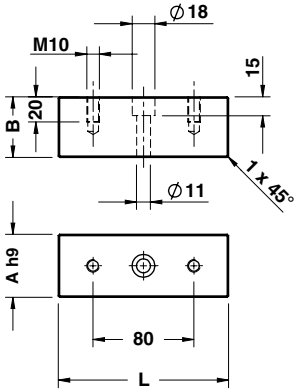
Notes

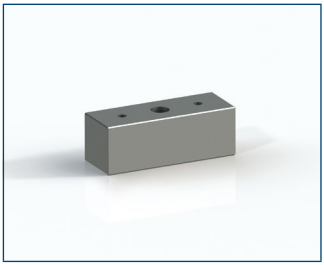
Material: CK45

ORDER EXAMPLE	Art.	L1=12	L=20
	C14.11.	12	20

OMCR CODE	L1	L	H	H1	D1	D2
C14.11.1216	12	16	8	5	10	5,5
C14.11.1220	12	20	8	6	10	5,5
C14.11.1620	16	20	10	7	11	6,6

KEY - PASSFEDER - CHIAVETTA DI REAZIONE





STOCK

3D WEB

Notes

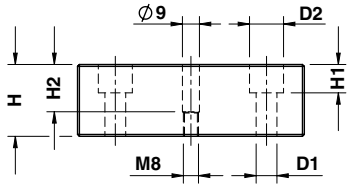
Material: CK45

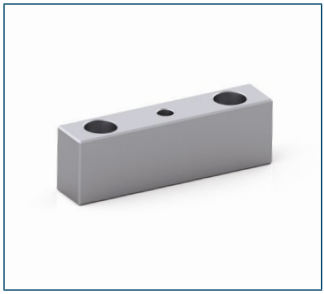
ORDER EXAMPLE

Art.	A=50	L=135
C14.20.	50	135

OMCR CODE	A	B	L
C14.20.42125	42	40	125
C14.20.50135	50	48	135
C14.20.50220	50	48	220

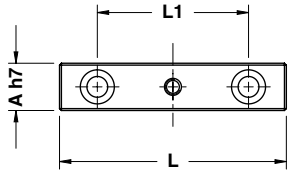
KEY - PASSFEDER - CHIAVETTA DI REAZIONE



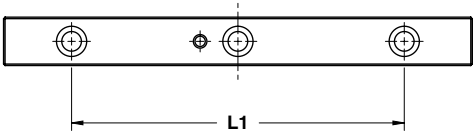


STOCK 3D WEB

TYPE 01



TYPE 02



Notes

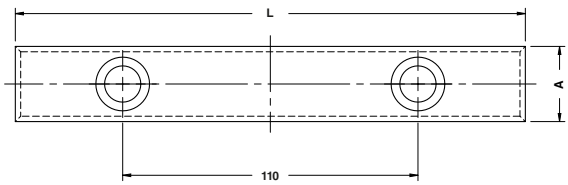
Material: CK45

ORDER EXAMPLE	Art.	A=25	H=38	L=120
	C14.25.	25	38	120

OMCR CODE	A	D1	D2	H	H1	H2	L	L1	TYPE
C14.25.2538090	25	11	18	38	15	25	90	50	01
C14.25.2538120	25	11	18	38	15	25	120	80	01
C14.25.3248150	32	13	20	48	25	35	150	90	01
C14.25.3248210	32	13	20	48	25	35	210	130	01
C14.25.3258260	32	13	20	58	25	42	260	150	01
C14.25.3258310	32	13	20	58	25	42	310	220	02
C14.25.3258350	32	13	20	58	25	42	350	250	02

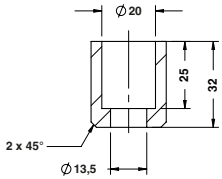
KEY - PASSFEDER - CHIAVETTA

TYPE 01





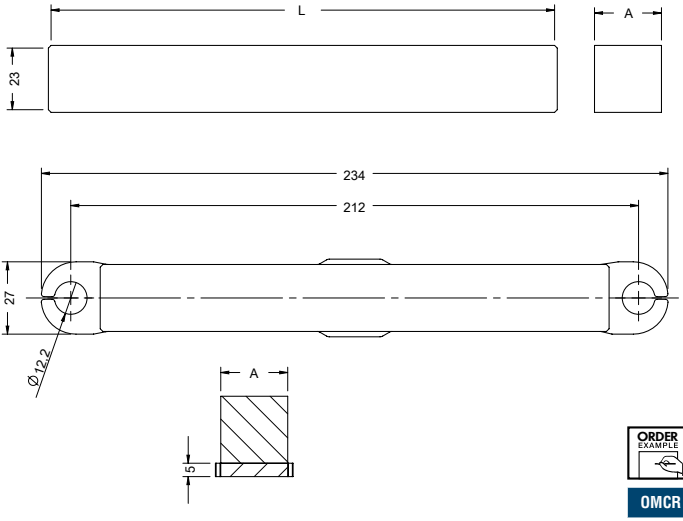
STOCK 3D WEB



Notes

Material: CK45

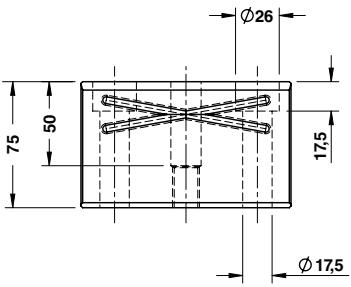
TYPE 10

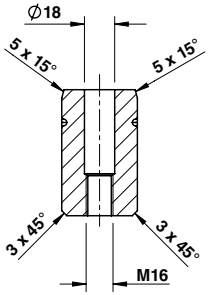


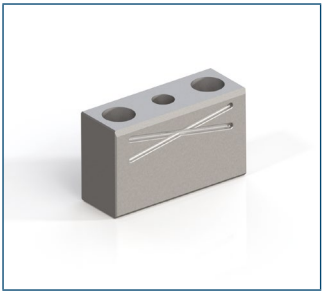
ORDER EXAMPLE	Art.	TYPE
	C14.28.	10

OMCR CODE	L	A	TYPE
C14.28.01	190	28	01
C14.28.10	188	25	10

LOCATING BLOCK - FANGBACKE - TASSELLO DI CENTRAGGIO

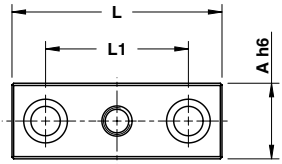






STOCK

3D WEB



Notes

Material: 16MnCr5 - **HRC:** 60÷62

ORDER EXAMPLE

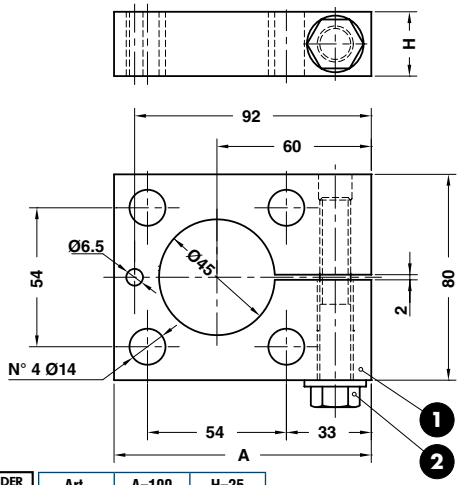
Art.	A=45	L=125
C14.30.	45	125

OMCR CODE	A	L	L1
C14.30.45100	45	100	60
C14.30.45125	45	125	85
C14.30.45160	45	160	120
C14.30.45200	45	200	160

C15.10

OMCR

CLAMP - BEFESTIGUNGSELEMENT - MORSETTO

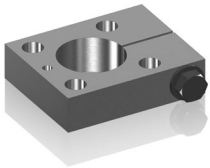


STOCK

...

3D

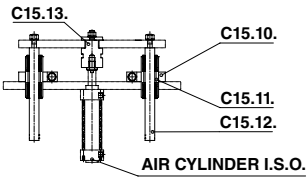
WEB



Notes

1. **Material:** CK45
2. M12 x 70 DIN 931

Application example



ORDER EXAMPLE

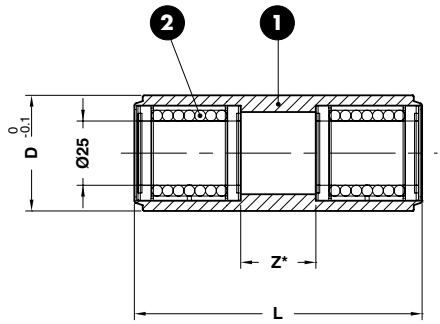
Art.	A=100	H=25
C15.10.	100	25

OMCR CODE	A	H
C15.10.10025	100	25

C15.11

OMCR

SLEEVE - FÜHRUNGSEINHEIT - CANOTTO GUIDA



STOCK

...

3D

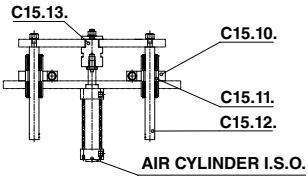
WEB



Notes

1. **Material:** CK45
2. **Material:** STAR 0658-225-40

Application example



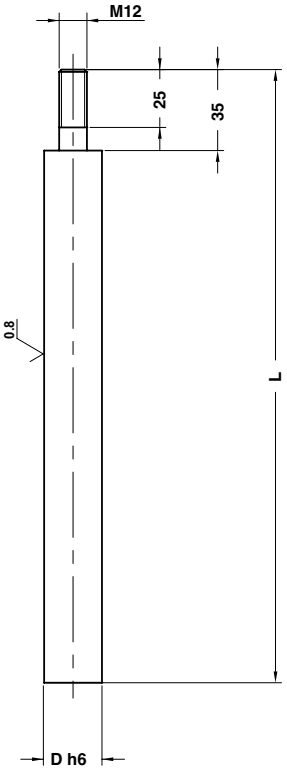
ORDER EXAMPLE

Art.	D=45	L=112
C15.11.	45	112

* Fixing zone
Befestigungsbereich Klammer
Zona di fissaggio

OMCR CODE	D	L	Z
C15.11.45112	45	112	40
C15.11.45200	45	200	120

GUIDE POST - FÜHRUNGSSAULE - COLONNA





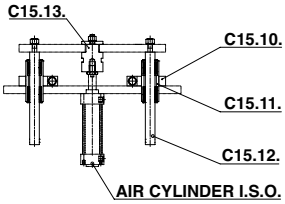
STOCK

3D WEB

Notes

Material: CK45
HRC: 60÷62

Application example

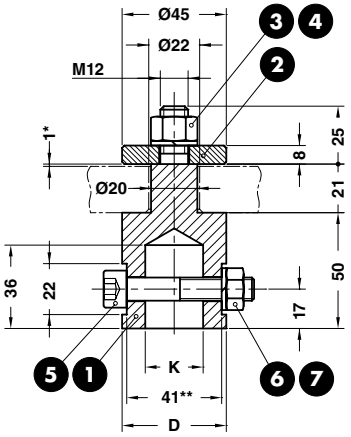


ORDER EXAMPLE

Art.	D=25	L=265
C15.12.	25	265

OMCR CODE	D	L
C15.12.25265	25	265
C15.12.25350	25	350
C15.12.25400	25	400
C15.12.25450	25	450
C15.12.25500	25	500

UNION NUT - BEFESTIGUNGSELEMENT - DADO DI UNIONE

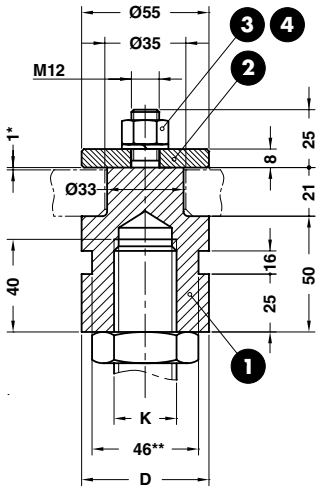




STOCK ... 3D WEB

Notes

1 2 **Material:** CK45
3 M12 DIN 934
4 Ø12 DIN 127B
5 M10X55 DIN 912
6 M10 DIN 934
7 Ø10 DIN 127B

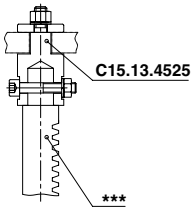


* Backlash
Spiel
Gioco

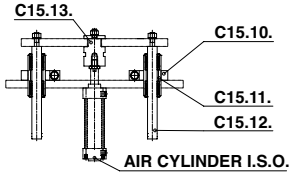
** Spanner
Schlussel
Chiave

*** Rackwork
Zahnstange-antireb
Sollevatore a cremagliera

Application example FORM A



Application example FORM B



ORDER EXAMPLE

Art.	D=45	K=25
C15.13.	45	25

OMCR CODE	D	K	FORM
C15.13.4525	45	25	A
C15.13.5516	55	M16x1,5	B
C15.13.5520	55	M20x1,5	B
C15.13.5527	55	M27x2	B

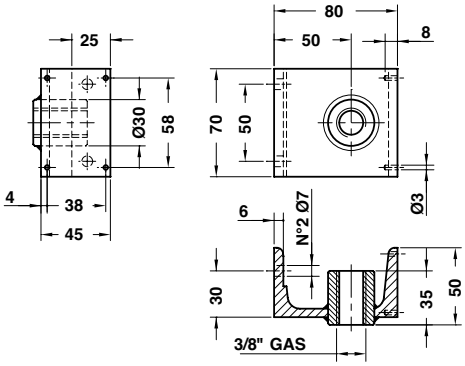
AIR COUPLING BRACKET - LUFTANSCHLUSSBLOCK - SUPPORTO INNESTI RAPIDI



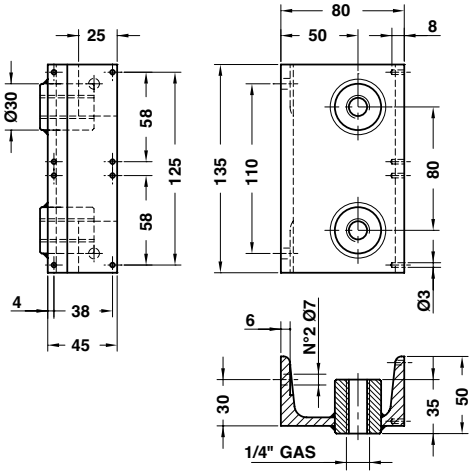
STOCK

3D WEB

"FORM A"



"FORM B"



Notes

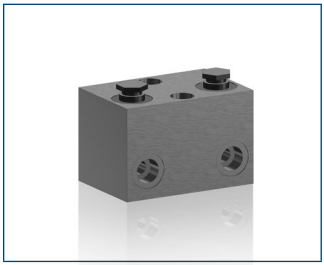
Material: St37

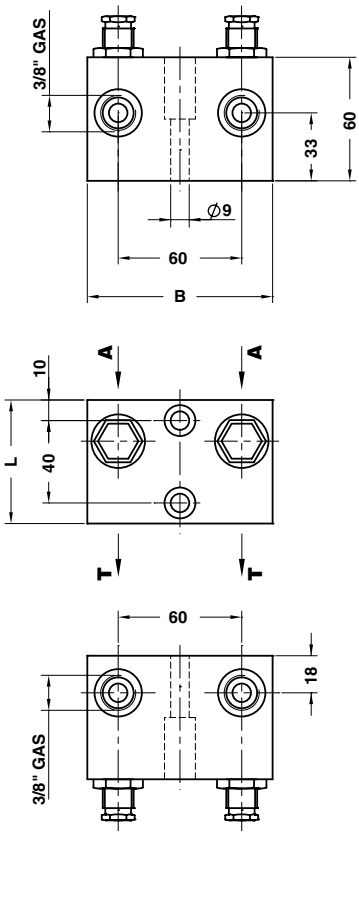
ORDER EXAMPLE

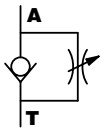
Art.	FORM
C15.14.	A

OMCR CODE	FORM
C15.14.	A
C15.14.	B

FLUX CONTROL - VERTEILERBLOCK - REGOLATORE DI FLUSSO







STOCK

3D WEB

Notes

Material: CK45

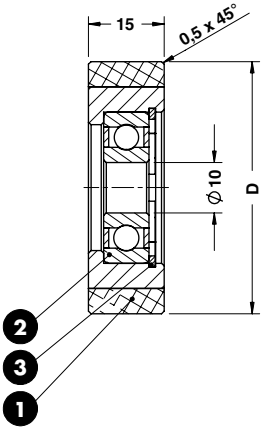
ORDER EXAMPLE	Art.	A=60	B=90
	C15.15.	60	90

OMCR CODE	A	B
C15.15.6090	60	90

C16.18

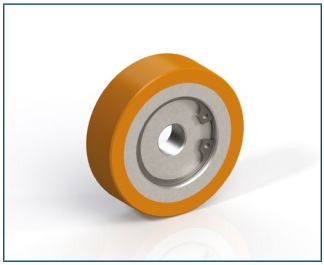
OMCR

ROLLER - ROLLE - ROTELLA



STOCK

WEB



Notes

1. **Material:** Steel+Vulkolan
2. Roller Bearing 6200 2RS
3. I30 DIN472

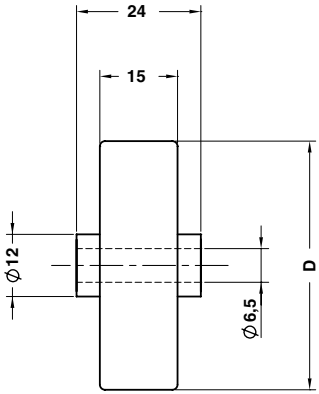
ORDER EXAMPLE	Art.	D=50
	C16.18.	50

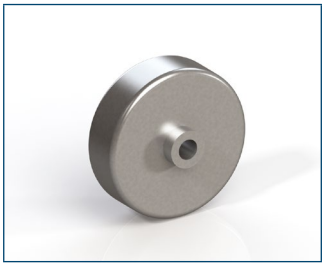
OMCR CODE	D	Max Load (daN)
C16.18.	50	70

C16.19

OMCR

ROLLER - ROLLE - ROTELLA





STOCK

WEB

Notes

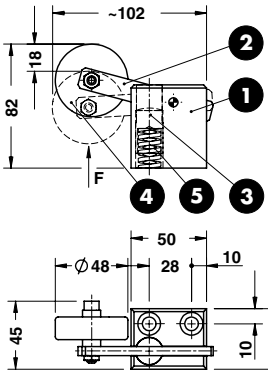
Material: Steel

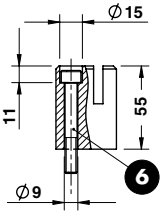
ORDER EXAMPLE	Art.	D=48
	C16.19.	48

OMCR CODE	D	Max Load (daN)
C16.19.	48	25

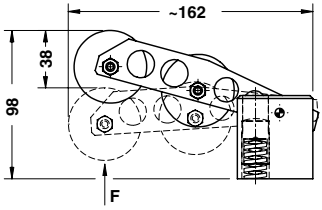
ROLLER STOCK LIFTER - FEDERNDE LAUFROLLE - RULLINO SOLLEVAMENTO NASTRO

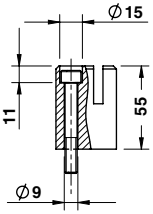
TYPE 01

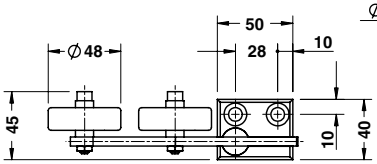




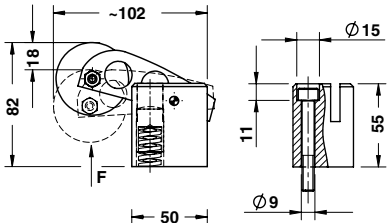
TYPE 02

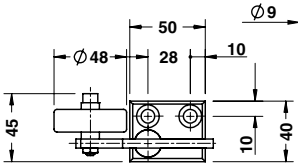




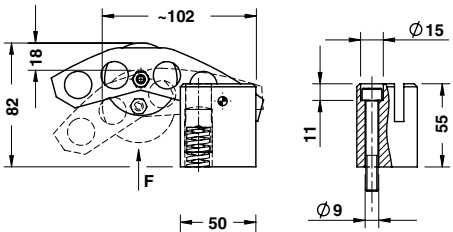


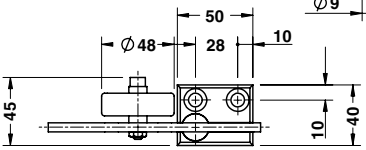
TYPE 03





TYPE 04







STOCK ... 3D WEB

Notes

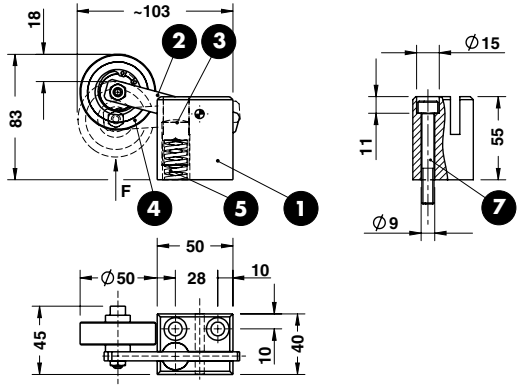
1. **Material:** C15
2. **Material:** S235JRG2K
3. **Material:** 42CrMo4
4. C16.19.48
5. Spring
6. Screws M8x60 DIN 912

ORDER EXAMPLE	Art.	TYPE
	C16.20.	01

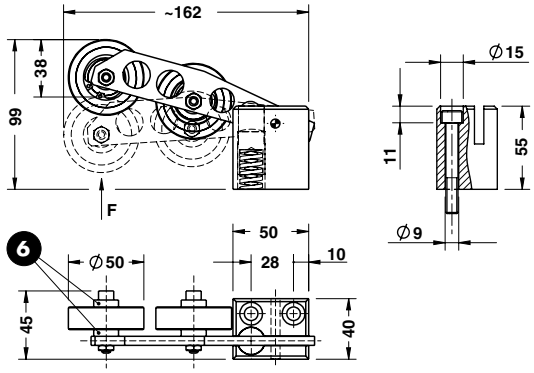
OMCR CODE	F (N)	TYPE
C16.20.01	66	01
C16.20.02	32	02
C16.20.03	66	03
C16.20.04	66	04

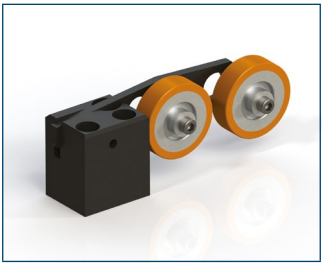
ROLLER STOCK LIFTER - FEDERNDE LAUFROLLE - RULLINO SOLLEVAMENTO NASTRO

TYPE 20



TYPE 21





STOCK ... 3D WEB

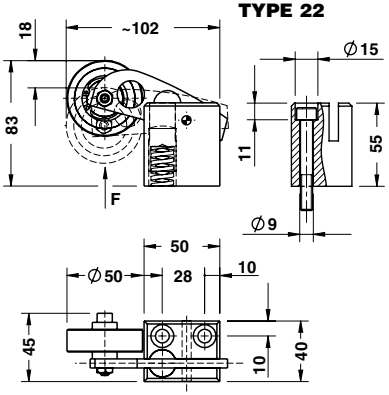
Notes

1. **Material:** C15
2. **Material:** S235JRG2K
3. **Material:** 42CrMo4
4. C16.18.50
5. Spring
6. **Material:** steel
7. Screws M8x60 DIN 912

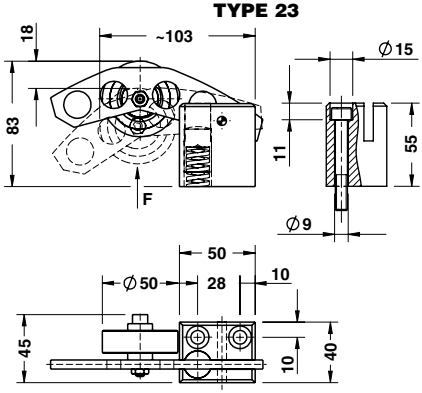
ORDER EXAMPLE	Art.	TYPE
	C16.20.	20

OMCR CODE	F (N)	TYPE
C16.20.20	66	20
C16.20.21	32	21
C16.20.22	66	22
C16.20.23	66	23

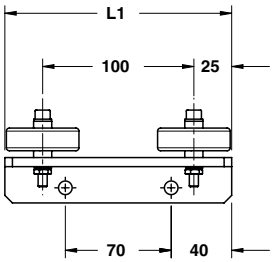
TYPE 22

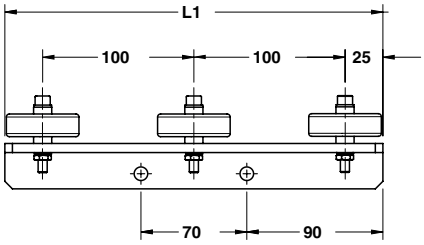


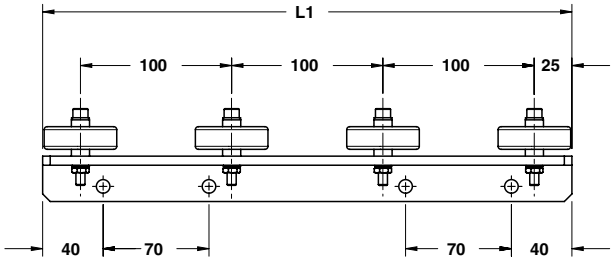
TYPE 23

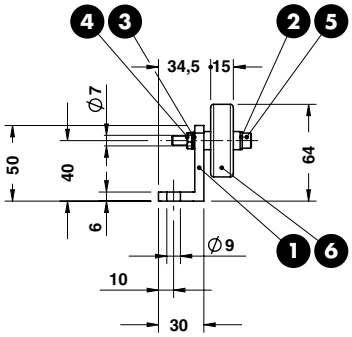


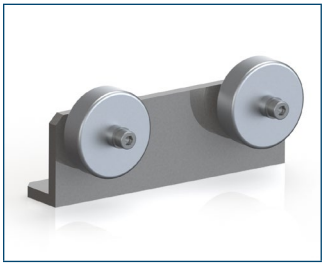
ROLLER GROUP - FÖRDERROLLE - GRUPPO RULLINI











STOCK ... 3D WEB

Notes

1. **Material:** St37
2. 3 Washers for M6
4. Nut for M6
5. Screw M6x40 DIN 912
6. **Material:** Steel - C16.19.48

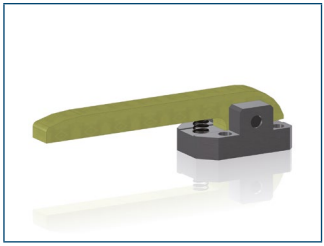
ORDER EXAMPLE	Art.	L1
	C16.21.	150

OMCR CODE	L1	Max Load (daN)
C16.21.150	150	50
C16.21.250	250	75
C16.21.350	350	100

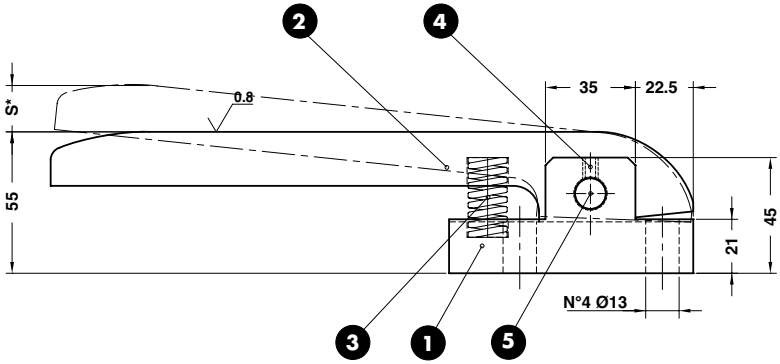
COIL SUPPORT - ABSTREIFER - SOLLEVATORE NASTRO

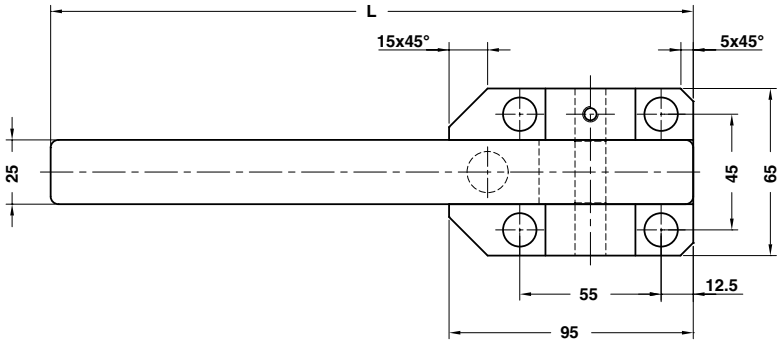
Notes

1. **Material:** CK45
2. **Material:** Bronze - **HB**>190
3. SPRING
4. M6x8 DIN 913
5. Ø12x60 DIN 6325



STOCK ... 3D WEB



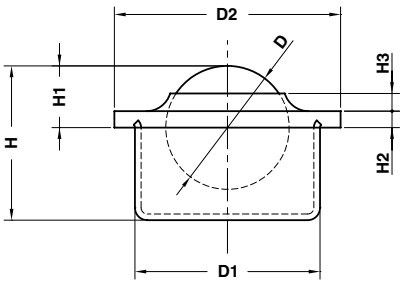


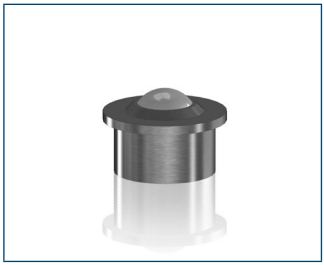
ORDER EXAMPLE

Art.	TYPE
C16.25.	01

OMCR CODE	L	S	Spring	Spring initial force (daN)	Spring final force (daN)	TYPE
C16.25.01	250	18	TV016044	7,9 N	12,3 N	01
C16.25.02	250	18	B16044	27 N	42 N	02
C16.25.03	300	30	B16044	24 N	42 N	03

BALL CASTER - KUGELROLLENSYSTEM - SFERA PORTANTE





STOCK

3D WEB

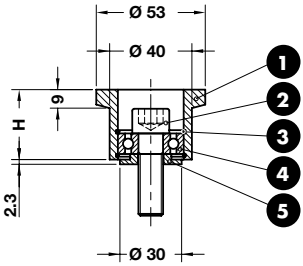
Notes

Material: Steel

ORDER EXAMPLE		
	Art.	D=15
	C16.26.	15

OMCR CODE	D	D1	D2	Max load (daN)	H	H1	H2	H3
C16.26.15	15	24±0,065	31	50	21,5	9,5±0,2	2,8	3,5
C16.26.30	30	45±0,080	55	250	37,5	13,8±0,3	4	4,3

COIL GUIDE ROLLER - FÜHRUNGSROLLE - GUIDA NASTRO

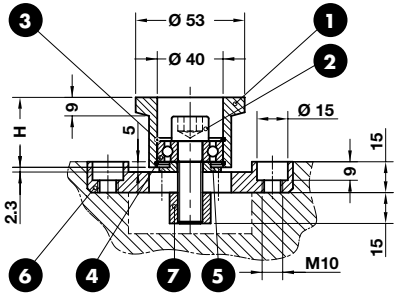


TYPE 01

TYPE 01



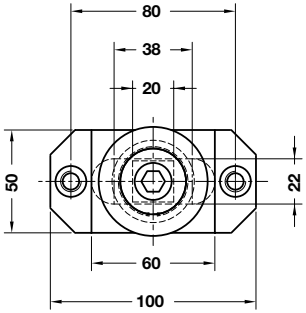
STOCK ... 3D WEB



TYPE 02

Notes TYPE 01

1. **Material:** 16MnCr5 - **HRC:** 55÷58
2. M12x40 DIN 472
3. I32 DIN 472
4. 6201 2Z VA DIN 625
5. **Material:** CK45



TYPE 02



STOCK ... 3D WEB

Notes TYPE 02

1. **Material:** 16MnCr5 - **HRC:** 55÷58
2. M12x40 DIN 472
3. I32 DIN 472
4. 6201 2Z VA DIN 625
5. **Material:** CK45
6. **Material:** St37
7. **Material:** CK45

ORDER EXAMPLE

Art.	TYPE	H=34
C16.27.	01	34

OMCR CODE	TYPE	H
C16.27.0117	01	17
C16.27.0134	01	34
C16.27.0154	01	54
C16.27.0180	01	80
C16.27.0217	02	17
C16.27.0234	02	34
C16.27.0254	02	54
C16.27.0280	02	80

FLANGE LIFTER - ABSTREIFER - SFLANGIATORE

⚠

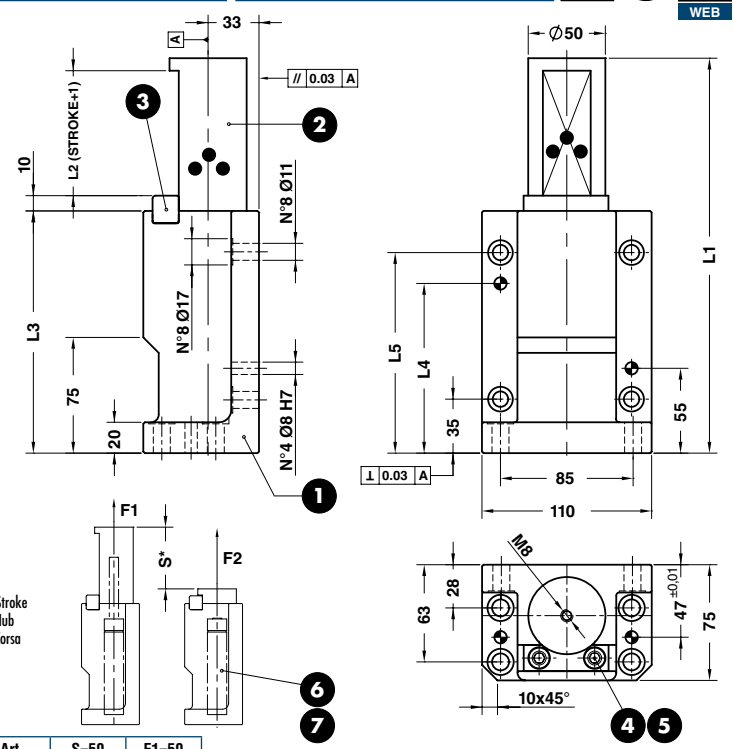
Do not exceed the stroke
Hub nicht überschreiten
Non superare la corsa

Notes

1. **Material:** EN-GJL300
2. **Material:** Bronze + Graphite - **HB**>190
3. **Material:** 36NiCrMo4
4. M8x25 DIN 912
5. Schnorr Ø8
6. Gas Spring
7. M6x12 DIN 7991



STOCK ... 3D WEB



ORDER EXAMPLE

Art.	S=50	F1=50
C16.30.	50	050

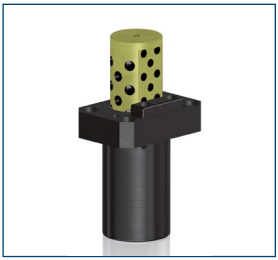
OMCR CODE	F1 (daN)	F2 (daN)	L1	L2	L3	L4	L5	S
C16.30.50050	50	86	196	51	127	80	100	50
C16.30.50100	100	172	196	51	127	80	100	50
C16.30.50150	150	258	196	51	127	80	100	50
C16.30.50200	200	344	196	51	127	80	100	50
C16.30.80050	50	86	256	81	157	110	130	80
C16.30.80100	100	172	256	81	157	110	130	80
C16.30.80150	150	258	256	81	157	110	130	80
C16.30.80200	200	344	256	81	157	110	130	80

FLANGE LIFTER - ABSTREIFER - SFLANGIATORE

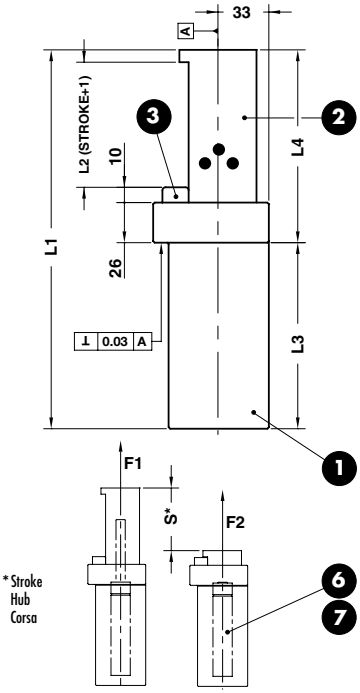
⚠
Do not exceed the stroke
Hub nicht überschreiten
Non superare la corsa

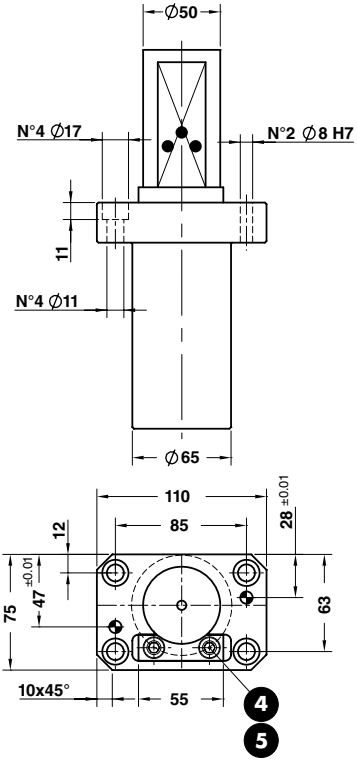
Notes

1. **Material:** EN-GJL300
2. **Material:** Bronze + Graphite - **HB**>190
3. **Material:** 36NiCrMo4
4. M8x25 DIN 912
5. Schnorr Ø8
6. Gas Spring
7. M6x12 DIN 7991



STOCK ... 3D WEB

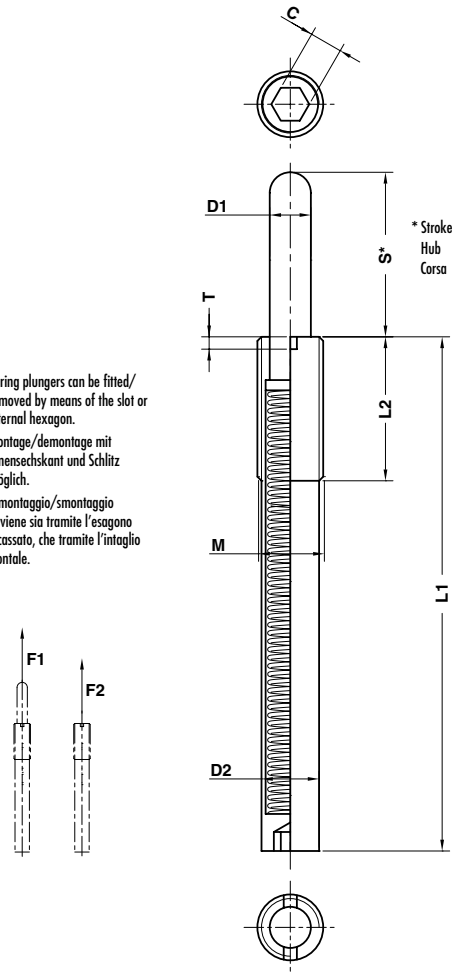




ORDER EXAMPLE	Art.	S=50	F1=50
	C16.31.	50	050

OMCR CODE	F1 (daN)	F2 (daN)	L1	L2	L3	L4	S
C16.31.50050	50	86	196	51	101	95	50
C16.31.50100	100	172	196	51	101	95	50
C16.31.50150	150	258	196	51	101	95	50
C16.31.50200	200	344	196	51	101	95	50
C16.31.80050	50	86	256	81	131	125	80
C16.31.80100	100	172	256	81	131	125	80
C16.31.80150	150	258	256	81	131	125	80
C16.31.80200	200	344	256	81	131	125	80

SPRING PLUNGER - FEDERNE DRUCKSTÜCKE - ESPULSORE A MOLLA



Spring plungers can be fitted/ removed by means of the slot or internal hexagon.

Montage/demontage mit Innensechskant und Schlitz möglich.

Il montaggio/smontaggio avviene sia tramite l'esagono incassato, che tramite l'intaglio frontale.



STOCK

3D WEB

Notes

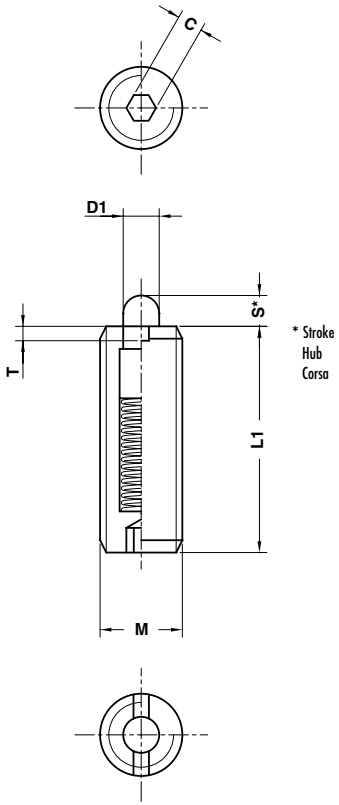
Material: Steel

ORDER EXAMPLE	Art.	M=M16	S=40
	C16.40.	M16	40

OMCR CODE	C	D1	D2	F1 (N)	F2 (N)	L1	L2	M	S	T
C16.40.M1210	4	5,5	9,5	7	40	45	35	M12	10	2
C16.40.M1615	5	8	13,4	15	80	60	35	M16	15	3
C16.40.M1620	5	8	13,4	17	80	85	35	M16	20	3
C16.40.M1630	5	8	13,4	20	80	125	35	M16	30	3
C16.40.M1640	8	8	13,4	20	80	125	35	M16	40	3
C16.40.M1650	8	8	13,4	30	100	155	35	M16	50	3
C16.40.M1660	8	8	13,4	20	80	155	35	M16	60	3
C16.40.M2415	8	10	19,6	40	200	60	45	M24	15	3
C16.40.M3020	12	15	22,5	50	300	80	45	M30	20	3

SPRING PLUNGER - FEDERNE DRUCKSTÜCKE - ESPULSORE A MOLLA





STOCK

3D WEB

Notes

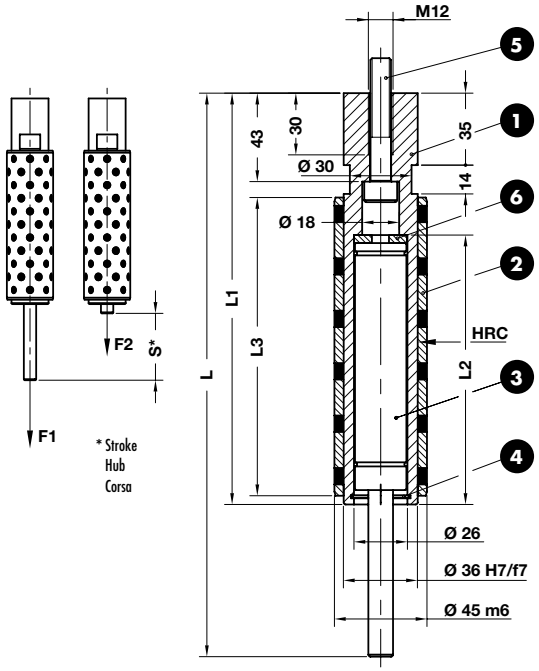
Material: Steel

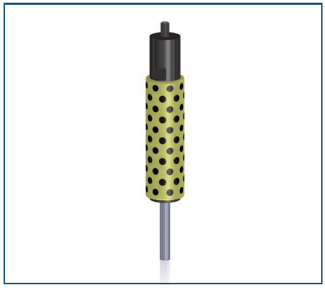
ORDER EXAMPLE

Art.	M=M3
C16.45.	M03

OMCR CODE	C	D1	F1 (N)	F2 (N)	L1	M	S	T
C16.45.M03	0,7	1	2	4	10	M3	1,5	0,5
C16.45.M04	1,3	1,6	5	16	12	M4	2	0,6
C16.45.M05	1,5	2	6	19	20	M5	3	0,8
C16.45.M06	2	2,5	6	19	25	M6	3	0,9
C16.45.M08	2,5	3,1	10	39	25	M8	4	1,4
C16.45.M10	3	3,8	10	39	30	M10	5	1,4
C16.45.M12	4	5,5	12	53	30	M12	5	2

SPRING RAMS - FEDERBOLZEN - SOLLEVATORE





STOCK ... 3D WEB

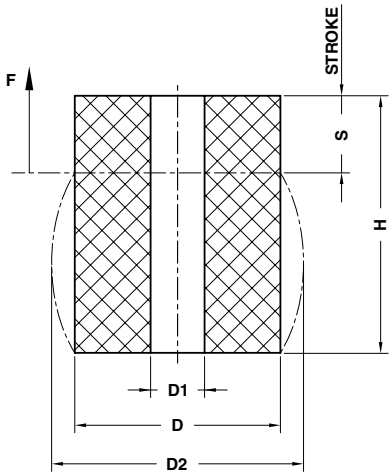
Notes

1. **Material:** CK45 - **HRC:** 58÷62
2. **Material:** Bronze+Graphite - **HB**>190
3. Gas Spring
4. DIN 472
5. M10x60 DIN 912
6. **Material:** 90MnCrV8 - **HRC:** 54÷60

ORDER EXAMPLE	Art.	S=50	F1=50
	C16.50.	50	050

OMCR CODE	F1 (daN)	F2 (daN)	L	L1	L2	L3	S
C16.50.50050	50	68	240	182	118	115	50
C16.50.50100	100	136	240	182	118	115	50
C16.50.50150	150	204	240	182	118	115	50
C16.50.50200	200	272	240	182	118	115	50
C16.50.65050	50	68	274	200	135	145	65
C16.50.65100	100	136	274	200	135	145	65
C16.50.65150	150	204	274	200	135	145	65
C16.50.65200	200	272	274	200	135	145	65
C16.50.80050	50	68	314	220	155	170	80
C16.50.80100	100	136	314	220	155	170	80
C16.50.80150	150	204	314	220	155	170	80
C16.50.80200	200	272	314	220	155	170	80

ELASTOMER SPRING - ELASTOMERFEDER - MOLLA IN ELASTOMERO





STOCK 3D WEB

S = max. 30% H

Notes

Material: Elastomer 92SH

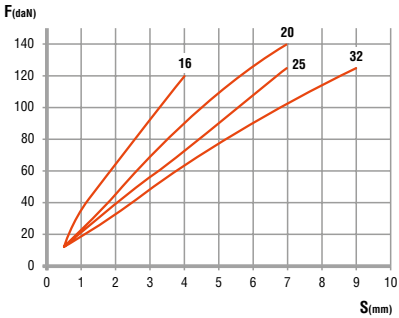
ORDER EXAMPLE	Art.	D=63	H=80
	C17.10.	063	080

D	16	20	25	32	40	50	63	80	100	125
D1	6,5	8,5	10,5	13,5	13,5	17	17	21	21	27
D2	19	26	30	41	50	62	78	98	120	152
F (daN)	130	200	300	580	1250	1700	2600	4300	5900	9900

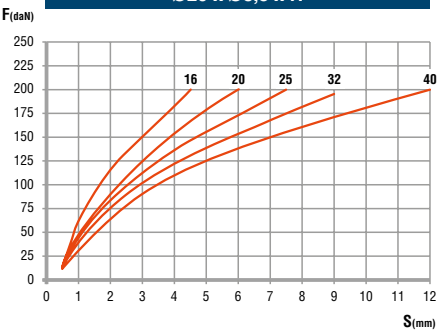
H	S										
16	4,8	•	•	•	•						
20	6	•	•	•	•	•					
25	7,5	•	•	•	•	•	•				
32	9,6	•	•	•	•	•	•	•			
40	12		•	•	•	•	•	•	•		
50	15			•	•	•	•	•	•	•	
63	19				•	•	•	•	•	•	•
80	24					•	•	•	•	•	•
100	30						•	•	•	•	•
125	37,5							•	•	•	•
160	48								•	•	•

LOAD DIAGRAMS FOR ELASTOMER SPRINGS 92SH
KRAFT-WEG-DIAGRAMM ELASTOMERFEDERN 92SH
DIAGRAMMI DI CARICO MOLLE IN ELASTOMERO 92SH

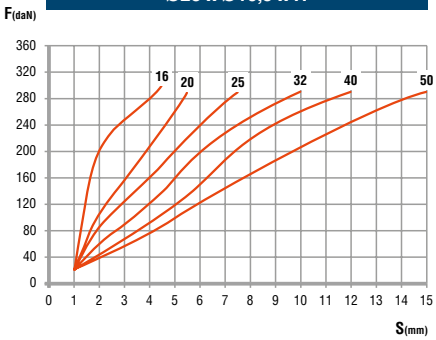
Ø16 x Ø6,5 x H



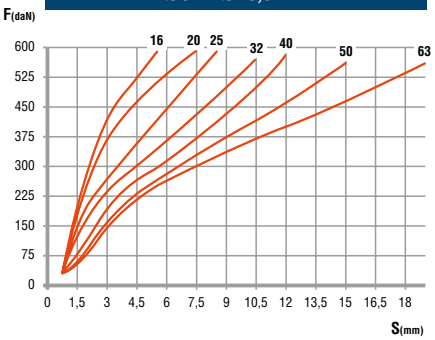
Ø20 x Ø8,5 x H



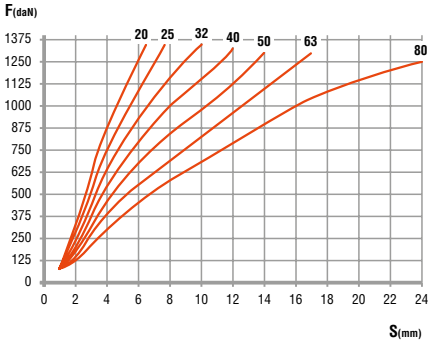
Ø25 x Ø10,5 x H



Ø32 x Ø13,5 x H

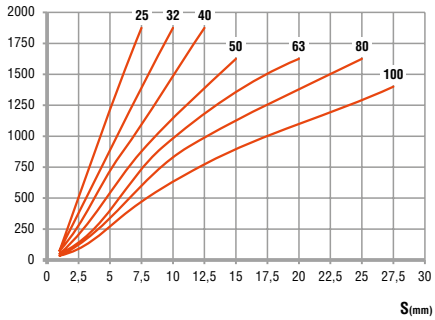


Ø40 x Ø13,5 x H

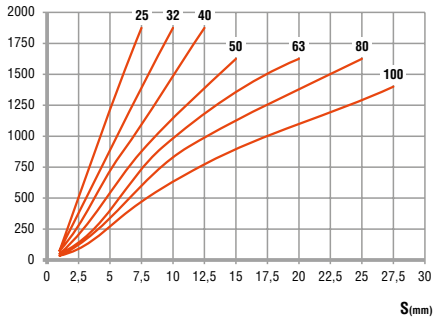


LOAD DIAGRAMS FOR ELASTOMER SPRINGS 92SH
KRAFT-WEG-DIAGRAMM ELASTOMERFEDERN 92SH
DIAGRAMMI DI CARICO MOLLE IN ELASTOMERO 92SH

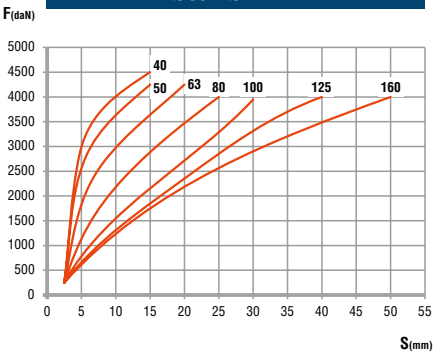
Ø50 x Ø17 x H



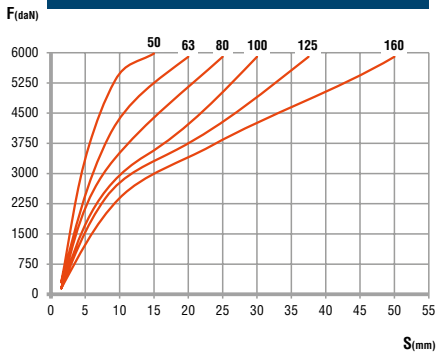
Ø63 x Ø17 x H



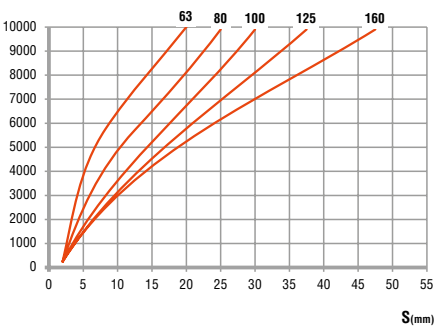
Ø80 x Ø21 x H



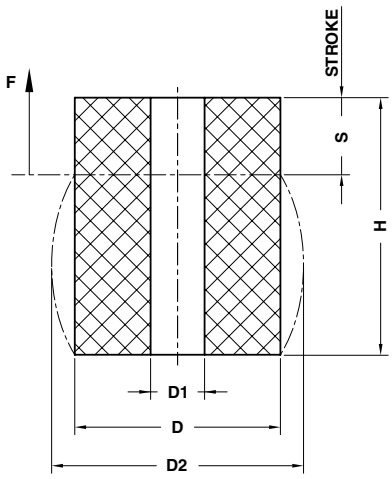
Ø100 x Ø21 x H



Ø125 x Ø27 x H



ELASTOMER SPRING - ELASTOMERFEDER - MOLLA IN ELASTOMERO





STOCK

3D WEB

Notes

Material: Elastomer 70 Shore

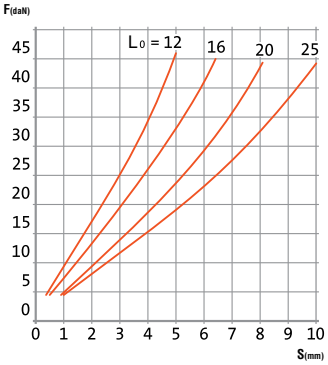
ORDER EXAMPLE	Art.	D=63	H=80
	C17.11.	063	080

D	16	20	25	32	40	50	63	80	100	125
D1	6,5	8,5	10,5	13,5	13,5	17	17	21	21	27
D2	19	26	30	41	50	62	78	98	120	152
F (daN)	40	50	90	225	400	600	1000	1800	3000	5000

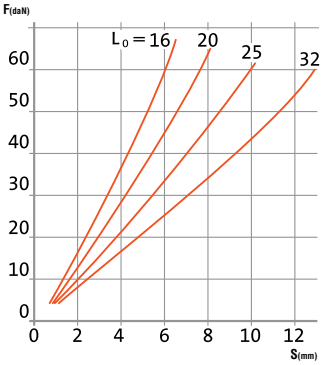
H	S										
12	4,8	•									
16	6,4	•	•								
20	8	•	•	•							
25	10	•	•	•							
32	12,8		•	•	•	•	•	•	•	•	•
40	16			•	•	•	•	•	•	•	•
50	20				•	•	•	•	•	•	•
63	25,2				•	•	•	•	•	•	•
80	32					•	•	•	•	•	•
100	40						•	•	•	•	•
125	50							•	•	•	•
160	64										•

LOAD DIAGRAMS FOR ELASTOMER SPRINGS 70 SHORE
KRAFT-WEG-DIAGRAMM ELASTOMERFEDERN 70 SHORE
DIAGRAMMI DI CARICO MOLLE IN ELASTOMERO 70 SHORE

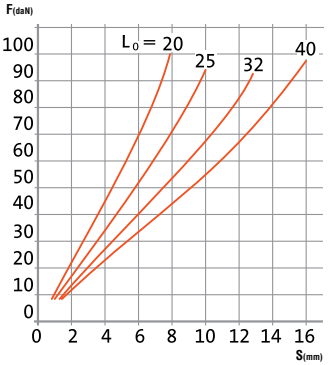
Ø16 x Ø6,5 x H



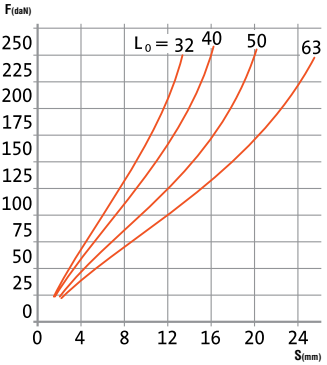
Ø20 x Ø8,5 x H



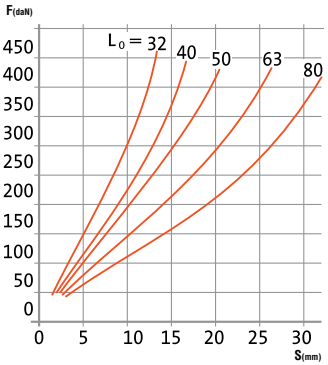
Ø25 x Ø10,5 x H



Ø32 x Ø13,5 x H

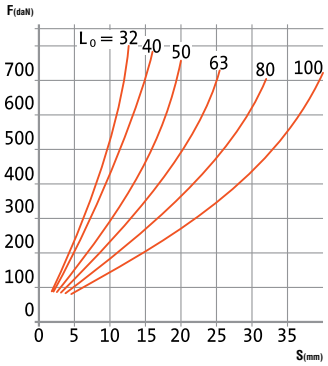


Ø40 x Ø13,5 x H

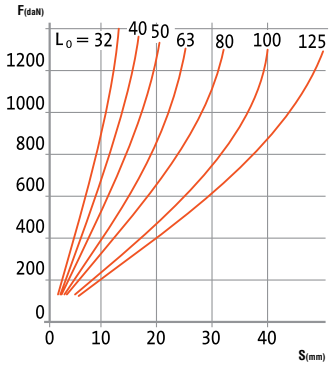


LOAD DIAGRAMS FOR ELASTOMER SPRINGS 70 SHORE
KRAFT-WEG-DIAGRAMM ELASTOMERFEDERN 70 SHORE
DIAGRAMMI DI CARICO MOLLE IN ELASTOMERO 70 SHORE

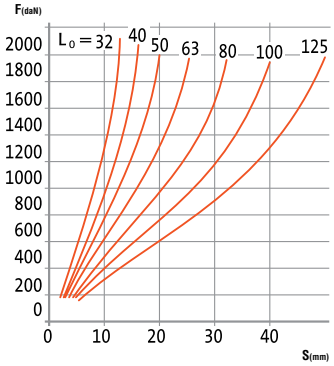
Ø50 x Ø17 x H



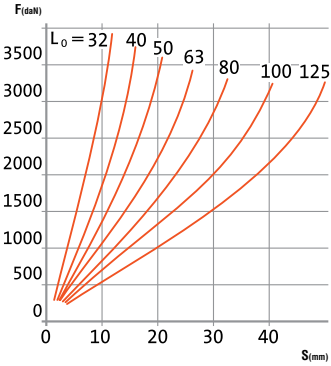
Ø63 x Ø17 x H



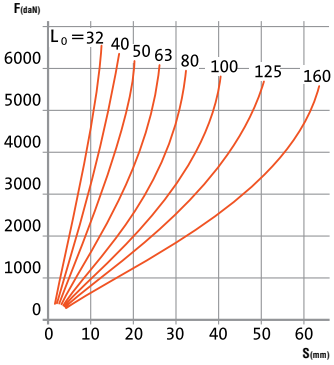
Ø80 x Ø21 x H



Ø100 x Ø21 x H



Ø125 x Ø27 x H



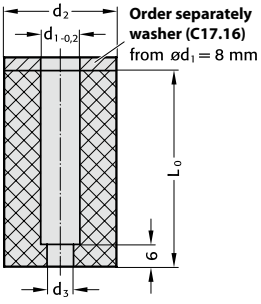
C17.15

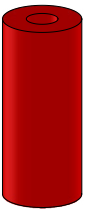
OMCR

ELASTOMER STRIPPER - ABSTREIFER - ESTRATTORE PER PUNZONI

STOCK

3D WEB

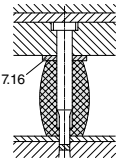




Notes

Material: Elastomer 95SH

Application example



ORDER EXAMPLE

Art.	D1 = 4	L
C17.15.	04	39

CODE	d1	d2	d3	L
C17.15.0439	4	17	1,6	39
C17.15.0447	4	17	1,6	47
C17.15.0456	4	17	1,6	56
C17.15.0639	6	19	1,6	39
C17.15.0647	6	19	1,6	47
C17.15.0656	6	19	1,6	56
C17.15.0839	8	21	3	39
C17.15.0847	8	21	3	47
C17.15.0856	8	21	3	56
C17.15.1039	10	23	3	39
C17.15.1047	10	23	3	47
C17.15.1056	10	23	3	56

CODE	d1	d2	d3	L
C17.15.1339	13	26	3	39
C17.15.1347	13	26	3	47
C17.15.1356	13	26	3	56
C17.15.1639	16	30	3	39
C17.15.1647	16	30	3	47
C17.15.1656	16	30	3	56
C17.15.2039	20	38	3	39
C17.15.2047	20	38	3	47
C17.15.2056	20	38	3	56
C17.15.2539	25	50	3	39
C17.15.2547	25	50	3	47
C17.15.2556	25	50	3	56

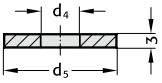
C17.16

OMCR

WASHER - SCHEIBE - RONDELLA

STOCK

3D WEB





ORDER EXAMPLE

Art.	D4 = 8,5
C17.16.	085

CODE	d4	d5
C17.16.085	8,5	21
C17.16.105	10,5	23
C17.16.130	13	26
C17.16.135	13,5	26
C17.16.165	16,5	30

CODE	d4	d5
C17.16.205	20,5	38
C17.16.255	25,5	50
C17.16.325	32,5	55
C17.16.385	38,5	60
C17.16.405	40,5	63

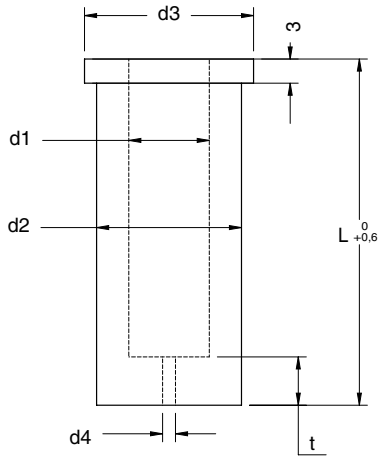
Notes

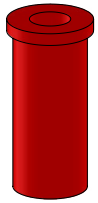
Material: Steel

ELASTOMER STRIPPER - ABSTREIFER - ESTRATTORE PER PUNZONI

STOCK

3D WEB

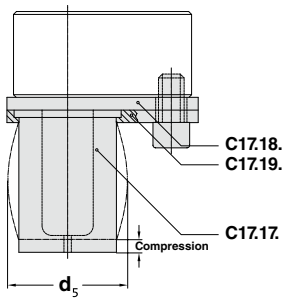




Notes

Material: Elastomer 95SH A

Application example



* values for the stripping force are dependent on a number of parameters (e.g. lubricant, temperature etc.) and may vary from those given here.
** max spring travel should not exceed 15% of the length

ORDER EXAMPLE

Art.	d1	L
C17.17.	10	43

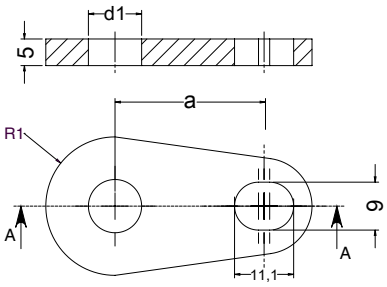
CODE	d1	d2	d3	d4	d5	t	L
C17.17.1043	10	18	21	1,6	22	6	43
C17.17.1053	10	18	21	1,6	22	6	53
C17.17.1063	10	18	21	1,6	22	6	63
C17.17.1343	13	23	26	3	26,5	6	43
C17.17.1353	13	23	26	3	26,5	6	53
C17.17.1363	13	23	26	3	26,5	6	63
C17.17.1373	13	23	26	3	26,5	6	73
C17.17.1643	16	28	31	3	34	6	43
C17.17.1653	16	28	31	3	34	6	53
C17.17.1663	16	28	31	3	34	6	63
C17.17.1673	16	28	31	3	34	6	73
C17.17.2043	20	33	36	3	38	7	43
C17.17.2053	20	33	36	3	38	7	53
C17.17.2063	20	33	36	3	38	7	63
C17.17.2073	20	33	36	3	38	7	73
C17.17.2543	25	40	43	3	47,5	7	43
C17.17.2553	25	40	43	3	47,5	7	53
C17.17.2563	25	40	43	3	47,5	7	63
C17.17.2573	25	40	43	3	47,5	7	73

STROKE**	3mm	6mm	9mm	3mm	6mm	9mm	3mm	6mm	9mm	3mm	6mm	9mm
LENGHT	43	43	43	53	53	53	63	63	63	73	73	73
d1	Stripping forces (N)*											
10	1060	1820	-	900	1650	-	720	1450	1860	-	-	-
13	1700	2850	-	1460	2610	-	1170	2320	2910	930	2080	2500
16	2310	3900	-	1990	3560	-	1590	3150	3980	1270	2810	3440
20	2900	4900	-	2500	4470	-	2000	3950	5000	1590	3420	4330
25	4440	7520	-	3810	6860	-	3050	6050	7680	2420	5390	6780

C17.18

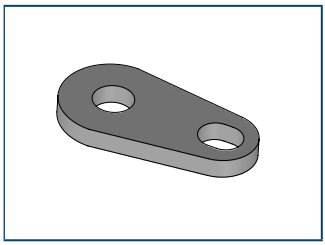
OMCR

STRIPPING UNIT- PRESSURE PLATE
ABSTREIFER - DRUCKPLATTE
PIASTRA PREMENTE DELL´ESTRATTORE



STOCK

3D WEB



ORDER EXAMPLE

Art.	d1 = 10
C17.18.	010

Notes

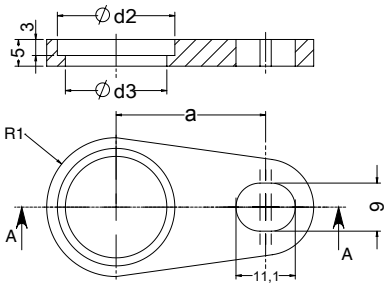
Material: St37

CODE	d1	R1	A
C17.18.010	10	13	28
C17.18.013	13	15,5	31
C17.18.016	16	18	32,9
C17.18.020	20	20,5	34,8
C17.18.025	25	24	39,8

C17.19

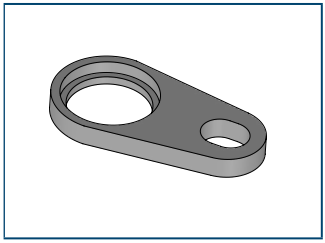
OMCR

STRIPPING UNIT - MOUNTING PLATE
ABSTREIFER - HALTEPLATTE
PIASTRA DI FISSAGGIO DELL´ESTRATTORE



STOCK

3D WEB



ORDER EXAMPLE

Art.	d1 = 10
C17.19.	010

Notes

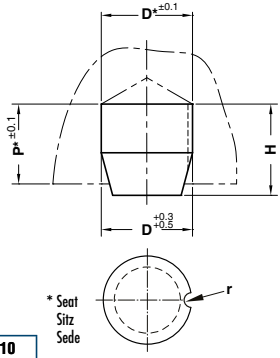
Material: St37

CODE	d1	d2	d3	R1	A
C17.19.010	10	22	19	13	28
C17.19.013	13	27	24	15,5	31
C17.19.016	16	32	29	18	32,9
C17.19.020	20	37	34	20,5	34,8
C17.19.025	25	44	41	24	39,8

C17.20

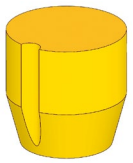
OMCR

ELASTOMER CAP - ELASTOMERDRUCKSTÜCK - PUNTALINO IN ELASTOMERO



STOCK

3D WEB



ORDER EXAMPLE	Art.	D=6	H=10
	C17.20.	06	10

OMCR CODE	D	F max. (N)	H	P	r
C17.20.0610	6	100	10	8	0
C17.20.1015	10	450	15	13	1
C17.20.1625	16	1500	25	21	1,5
C17.20.2425	24	3000	25	20	2
C17.20.3035	30	3000	35	30	2,5
C17.20.3232	32	12000	32	26	3
C17.20.3940	39,5	25000	40	34	3

Notes

Material: Elastomer 90SH

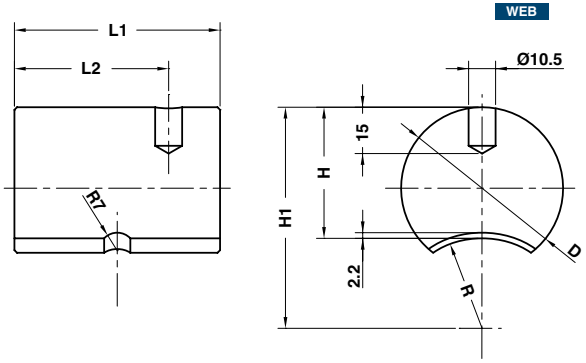
C17.21

OMCR

SHOCK ABSORBER - HALTEELEMENT - AMMORTIZZATORE

3D WEB

STOCK





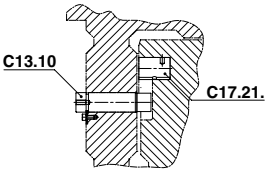
ORDER EXAMPLE	Art.	D=50	L1=80
	C17.21.	50	80

OMCR CODE	D	H	H1	L1	L2	R
C17.21.4060	40	32	50	60	45	18
C17.21.5080	50	40	63	80	60	23
C17.21.6380	63	51	86	80	60	35

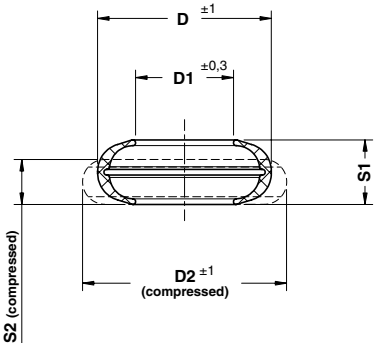
Notes

Material: Elastomer 92SH

Application example



ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO





STOCK

3D WEB

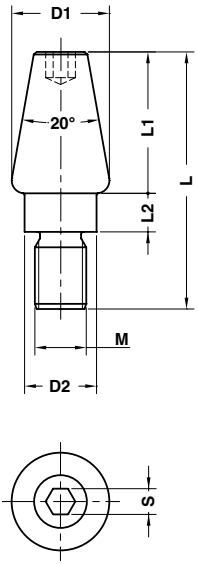
Notes

Material: CO-Polyester Elastomer

ORDER EXAMPLE	Art.	D=32,1	S1=10,8
	C17.27.	321	108

OMCR CODE	D	D1	D2	F max. (daN)	S1	S2
C17.27.262077	26,2	16,3	28,4	550	7,7	5,5
C17.27.321108	32,1	20,3	35,1	900	10,8	6,0
C17.27.463177	46,3	25,3	49,8	2000	17,7	11,6
C17.27.546216	54,6	30,3	61,8	3000	21,6	13,0
C17.27.618215	61,8	36,3	69,9	4600	21,5	13,2
C17.27.782300	78,2	42,8	89,0	7500	30	17,9
C17.27.995332	99,5	55,3	115	9700	33,2	16,5

ELASTOMER SPRING PIN - AUFNAHMEBOLZEN - PERNO PER MOLLE IN ELASTOMERO





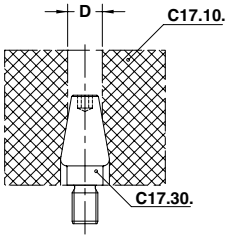
STOCK

3D WEB

Notes

Material: CK45

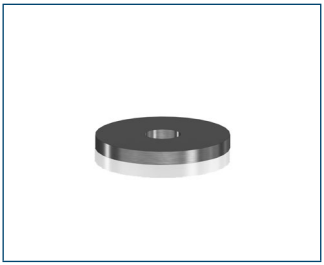
Application example



ORDER EXAMPLE	Art.	D1	M=M16
	C17.30.	32	M16

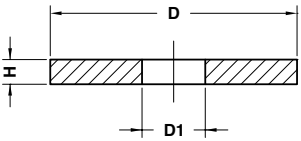
OMCR CODE	D	D1	D2	L	L1	L2	M	S
C17.30.28M12	17	28	19	56	30	8	M12	6
C17.30.32M16	21	32	22	74	40	10	M16	8
C17.30.38M20	27	38	28	100	55	15	M20	10

WASHER FOR ELASTOMER SPRINGS - FEDERSCHEIBE - RONDELLA PER MOLLE IN ELASTOMERO



STOCK

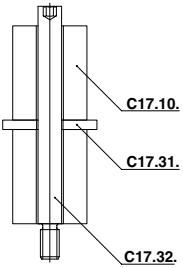
3D WEB



Notes

Material: CK45

Application example

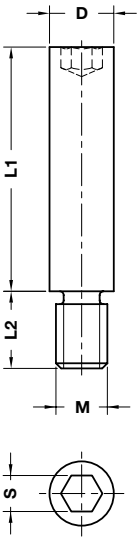


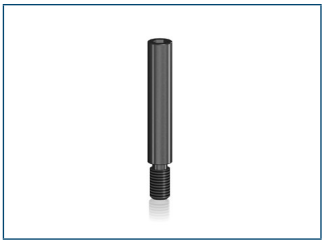
ORDER EXAMPLE

Art.	D=20
C17.31.	020

OMCR CODE	D	D1	H
C17.31.020	20	6,5	4
C17.31.025	25	8,5	4
C17.31.030	30	10,5	5
C17.31.040	40	13,5	5
C17.31.050	50	13,5	5
C17.31.060	60	16,5	6
C17.31.080	80	16,5	6
C17.31.100	100	20,5	8
C17.31.120	120	20,5	8
C17.31.150	150	26	8

COLUMN DIN 9835 - FÜHRUNGSBOLZEN DIN 9835 - COLONNA DI GUIDA DIN 9835





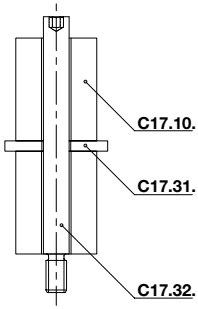
STOCK

3D WEB

Notes

Material: CK45

Application example



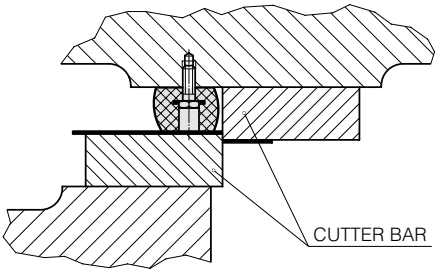
ORDER EXAMPLE

Art.	D=6	L1=20
C17.32.	06	020

D	6	8	10	13	16	20	25
L2	6	9	15	15	18	25	30
M	M4	M6	M8	M10	M12	M16	M20
S	3	4	5	6	8	10	14
L1							
20	•	•	•				
25	•	•	•				
32	•	•	•	•	•	•	•
40		•	•	•	•	•	•
50		•	•	•	•	•	•
63			•	•	•	•	•
80				•	•	•	•
95				•	•	•	•
118					•	•	•
140					•	•	•
180							•

STRIPPER FOR BLANKING DIES - ABSTREIFER FÜR PLATINENSCHNITTE - ESTRATTORE PER STAMPI

Application example





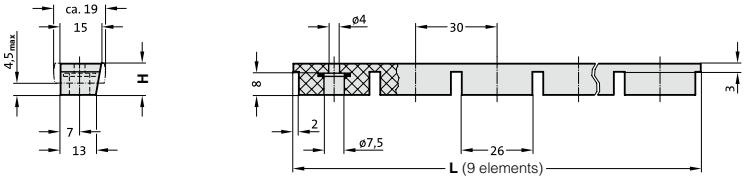
STOCK

3D WEB

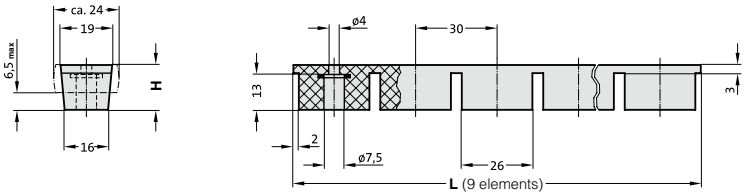
Notes

Material: Elastomer 70 SH

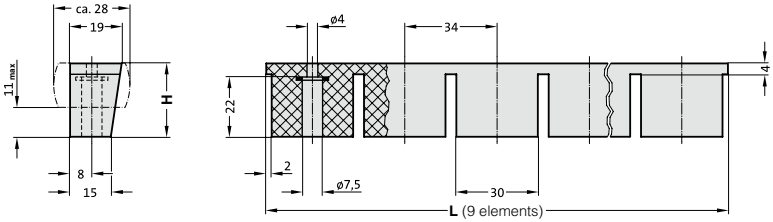
C17.40.11270



C17.40.16270



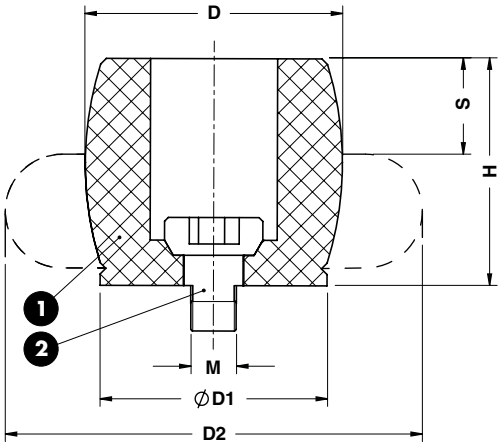
C17.40.27306



ORDER EXAMPLE	Art.	H=11,5	L=270
	C17.40.	11	270

OMCR CODE	H	L
C17.40.11270	11,5	270
C17.40.16270	16,5	270
C17.40.27306	27	306

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO





STOCK ... 3D WEB

Notes

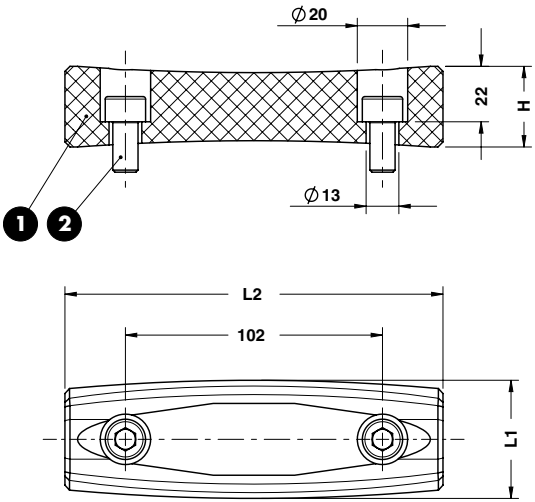
1. **Material:** CO-Polyester Elastomer
2. Screw

ORDER EXAMPLE

Art.
C17.51.1211

OMCR CODE	D	D1	D2	M	H	S	Nm/S
C17.51.1211	12	11	15	3	11	4	2
C17.51.1716	17	15	22	4	16	6	6
C17.51.2118	21	18	26	5	18	7	10
C17.51.2219	22	19	27	6	19	6	11.5
C17.51.2826	28	25	36	6	26	9	29
C17.51.3430	34	30	43	6	30	10	48
C17.51.3733	37	33	48	8	33	12	65

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO





STOCK ... 3D WEB

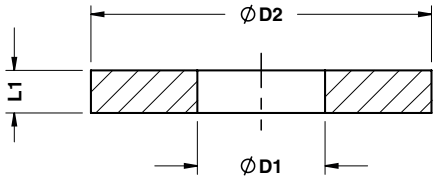
Notes

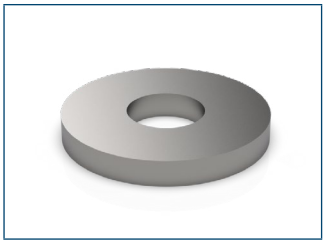
1. **Material:** CO-Polyester Elastomer
2. M10 DIN 912

ORDER EXAMPLE	Art.	H=32	L1=47	L2=150
	C17.52.	32	47	150

OMCR CODE	H	L1	L2
C17.52.2952153	29	52	153
C17.52.3247150	32	47	150

WASHER DIN 6340 - SCHEIBE DIN 6340 - RONDELLA DIN 6340





10

3D WEB

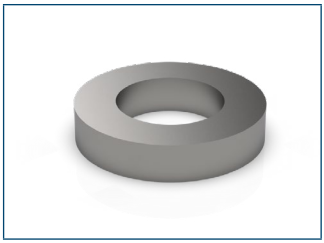
Notes

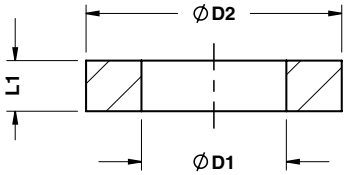
Material: Steel -1200÷1400 N/mm²

ORDER EXAMPLE	Art.	D1=8,4	D2=23	L1=4
	C17.62.	084	023	040

OMCR CODE	D1	D2	L1
C17.62.084023040	8,4	23	4
C17.62.105028040	10,5	28	4
C17.62.130035050	13	35	5
C17.62.150040050	15	40	5
C17.62.170045060	17	45	6
C17.62.190045060	19	45	6
C17.62.210050060	21	50	6
C17.62.230050080	23	50	8
C17.62.250060080	25	60	8
C17.62.310068100	31	68	10

WASHER - SCHEIBE - RONDELLA





10

3D WEB

Notes

Material: C45 heat treated

ORDER EXAMPLE

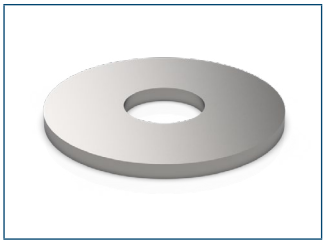
Art.	D1=8,5	D2=20	L1=4
C17.64.	085	020	040

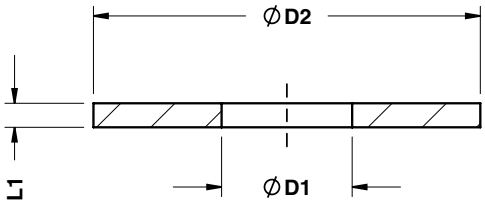
OMCR CODE	D1	D2	L1
C17.64.064017030	6,4	17	3
C17.64.084016040	8,4	16	4
C17.64.084017030	8,4	17	3
C17.64.084023040	8,4	23	4
C17.64.085020040	8,5	20	4
C17.64.090026040	9	26	4
C17.64.105020040	10,5	20	4
C17.64.105025040	10,5	25	4
C17.64.105025050	10,5	25	5
C17.64.105026040	10,5	26	4
C17.64.105028040	10,5	28	4
C17.64.105030050	10,5	30	5
C17.64.110030060	11	30	6
C17.64.110036060	11	36	6
C17.64.125028040	12,5	28	4
C17.64.130024050	13	24	5
C17.64.130030050	13	30	5
C17.64.130030060	13	30	6
C17.64.130035050	13	35	5
C17.64.130035080	13	35	8
C17.64.130046080	13	46	8
C17.64.134023040	13,4	23	4
C17.64.135026050	13,5	26	5
C17.64.164026040	16,4	26	4

OMCR CODE	D1	D2	L1
C17.64.170030060	17	30	6
C17.64.170034060	17	34	6
C17.64.170035040	17	35	4
C17.64.170035060	17	35	6
C17.64.170036040	17	36	4
C17.64.170036130	17	36	13
C17.64.170037060	17	37	6
C17.64.170038060	17	38	6
C17.64.170040060	17	40	6
C17.64.170050060	17	50	6
C17.64.170050100	17	50	10
C17.64.170058100	17	58	10
C17.64.204030050	20,4	30	5
C17.64.210042060	21	42	6
C17.64.210042080	21	42	8
C17.64.210044080	21	44	8
C17.64.210045080	21	45	8
C17.64.210045160	21	45	16
C17.64.210046060	21	46	6
C17.64.210049060	21	49	6
C17.64.210050100	21	50	10
C17.64.210065080	21	65	8
C17.64.210070100	21	70	10
C17.64.210070120	21	70	12

OMCR CODE	D1	D2	L1
C17.64.220065120	22	65	12
C17.64.220068120	22	68	12
C17.64.230038070	23	38	7
C17.64.250042090	25	42	9
C17.64.250046100	25	46	10
C17.64.250055100	25	55	10
C17.64.250056100	25	56	10
C17.64.250065120	25	65	12
C17.64.250070100	25	70	10
C17.64.250080150	25	80	15
C17.64.250090120	25	90	12
C17.64.260058060	26	58	6
C17.64.260070120	26	70	12
C17.64.260080120	26	80	12
C17.64.290050080	29	50	8
C17.64.310068080	31	68	8
C17.64.310068100	31	68	10
C17.64.310080120	31	80	12
C17.64.310100150	31	100	15
C17.64.320090150	32	90	15
C17.64.320092150	32	92	15
C17.64.370060080	37	60	8
C17.64.370080080	37	80	8
C17.64.430092080	43	92	8

THRUST WASHER - AUFLAGESCHEIBE - DISCO DI APPOGGIO





10

3D WEB

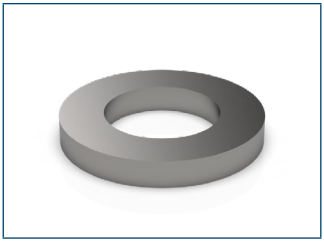
Notes

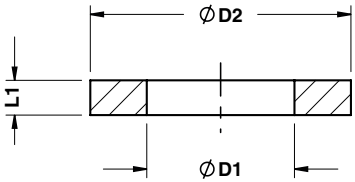
Material: S235J2G3

ORDER EXAMPLE	Art.	D1=8,5	D2=26	L1=1,5
	C17.66.	085	026	015

OMCR CODE	D1	D2	L1
C17.66.065020010	6,5	20	1
C17.66.085026015	8,5	26	1,5
C17.66.105032020	10,5	32	2
C17.66.135040025	13,5	40	2,5
C17.66.135050025	13,5	50	2,5
C17.66.165060030	16,5	60	3
C17.66.165080030	16,5	80	3
C17.66.205100040	20,5	100	4
C17.66.205120040	20,5	120	4
C17.66.260150050	26	150	5

SPACER WASHER - SCHEIBE DISTANZRING - RONDELLA DISTANZIATRICE





10

3D WEB

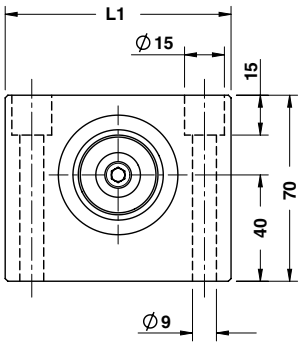
Notes

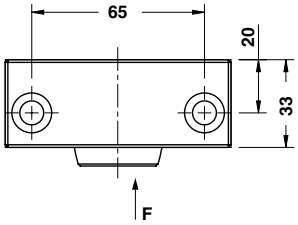
Material: 90MnCrV8
HRC: 55÷57

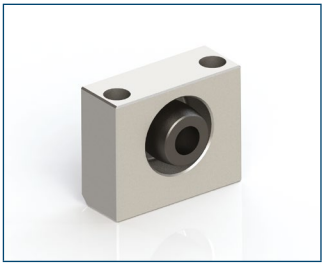
ORDER EXAMPLE	Art.	D1=21	D2=35	L1=6
	C17.68.	210	035	060

OMCR CODE	D1	D2	L1
C17.68.170030040	17	30	4
C17.68.170036040	17	36	4
C17.68.210035060	21	35	6
C17.68.260050060	26	50	6
C17.68.310065080	31	65	8
C17.68.310068080	31	68	8
C17.68.370070080	37	70	8
C17.68.430090080	43	90	8
C17.68.430092080	43	92	8
C17.68.560100080	56	100	8

ANTI-REBOUND SLIDE STOP - ARRETIERUNG GEGEN RÜCKFEDERUNG - ARRESTO ANTIRIMBALZO







STOCK ... 3D WEB

Notes

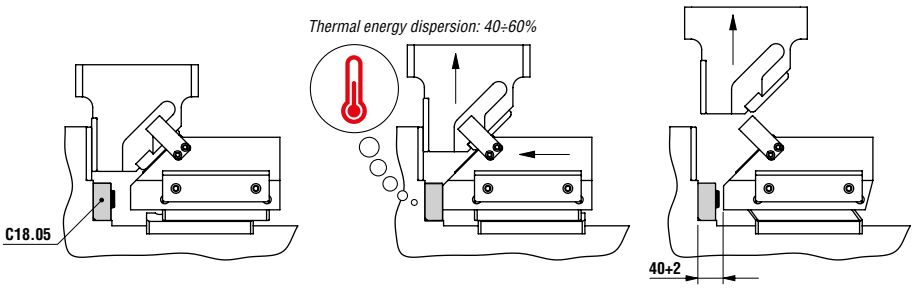
1. **Material:** CK45
2. C17.51
3. Screw

ORDER EXAMPLE	Art.	L1=85	D3=30
	C18.05.	85	30

* Maximum absorbed energy
Engergieaufnahme
Massima energia assorbita

OMCR CODE	L1	D3	F max (kN)	Max Energy Absorbed (J)*	Max Stroke (mm)
C18.05.8530	85	30	3,75	8	7

Application example



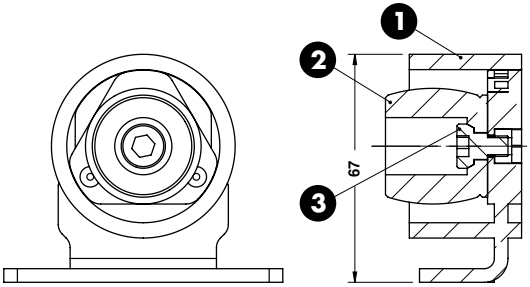
SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA

STOCK

3D

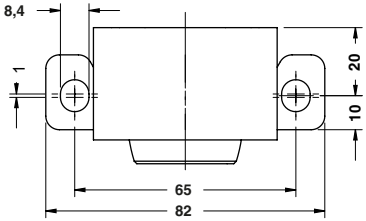
WEB





Notes

1. **Material:** St37
2. **Material:** CO-Polyester Elastomer
3. M6x12 DIN 912

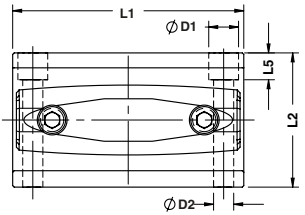


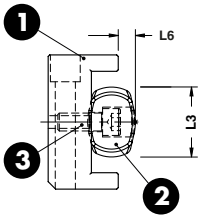
ORDER EXAMPLE

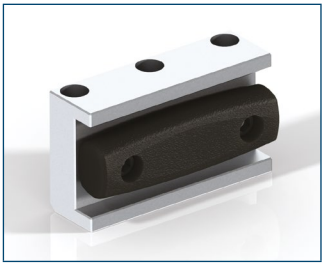
Art.
C18.06.01

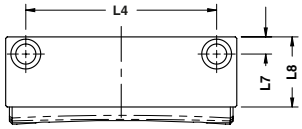
OMCR CODE	F max (kN)	Max Energy Absorbed (J)*	Max Stroke (mm)
C18.06.01	3,75	8	7

ANTI-REBOUND SLIDE STOP - ARRETIERUNG GEGEN RÜCKFEDERUNG - ARRESTO ANTIRIMBALZO

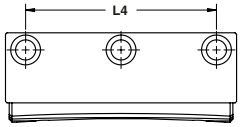








FORM A



FORM B

STOCK ... 3D WEB

Notes

1. **Material:** CK45
2. C17.52
3. M10 DIN 912

* Maximum absorbed energy
Engergieaufnahme
Massima energia assorbita

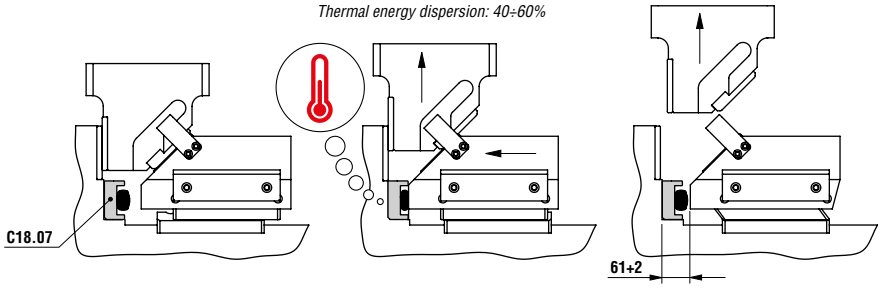
ORDER EXAMPLE	Art.	L1=155	L2=90	L3=52
	C18.07.	155	90	52

OMCR CODE	F max (kN)	Max Energy Absorbed (J)*	Max Stroke (mm)	Nr. of screws	FORM
C18.07.1558047	155	210	10,3	2	A
C18.07.1559047	47	160	14	3	B
C18.07.1559052	370	230	7	2	A

OMCR CODE	L1	L2	L3	L4	L5	L6	L7	D1	D2
C18.07.1558047	155	80	47	130	9	10,3	10	15	9
C18.07.1559047	155	90	47	128	18	14	11,5	20	13,5
C18.07.1559052	155	90	52	130	19	7	10	15	9

Application example

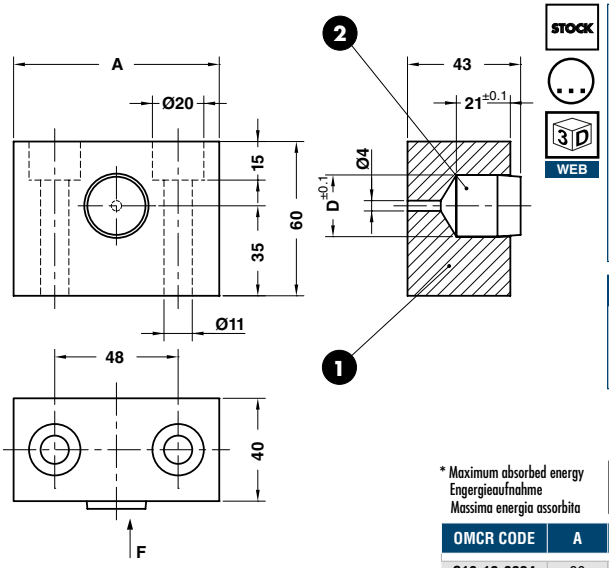
Thermal energy dispersion: 40÷60%

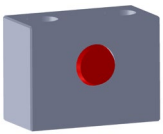


C18.10

OMCR

SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA





Notes

1. **Material:** CK45
2. C17.20.2425

* Maximum absorbed energy
Engergieaufnahme
Massima energia assorbita

ORDER EXAMPLE

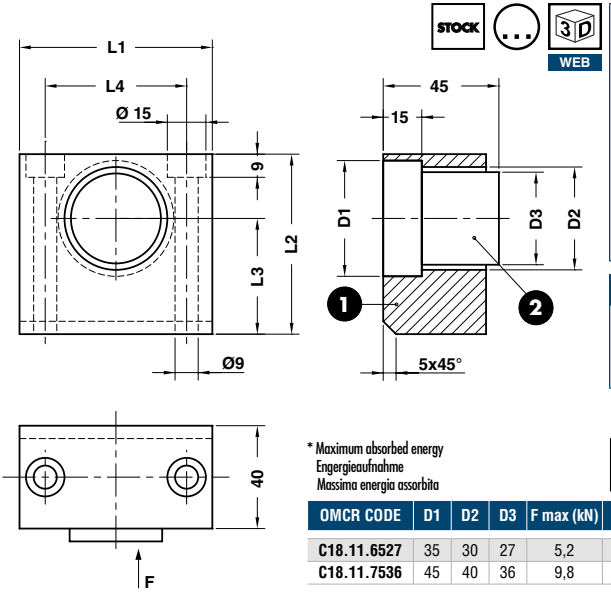
Art.	A=80	D=24
C18.10.	80	24

OMCR CODE	A	D	F max (kN)	Max Energy Absorbed (J)*
C18.10.8024	80	24	3	4,8

C18.11

OMCR

SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA





Notes

1. **Material:** CK45
2. **Material:** Elastomer 90 SH

* Maximum absorbed energy
Engergieaufnahme
Massima energia assorbita

ORDER EXAMPLE

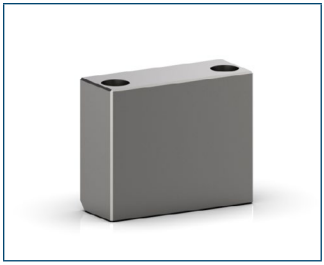
Art.	L1=65	D3=27
C18.11.	65	27

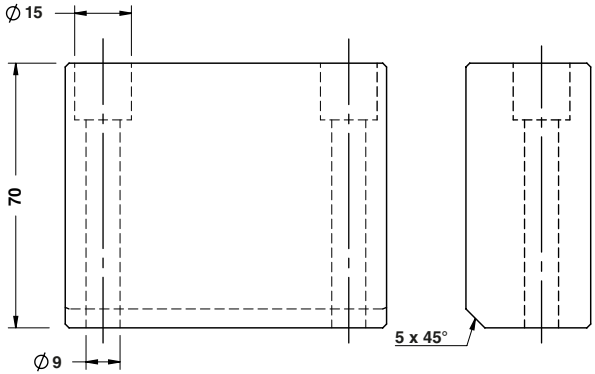
OMCR CODE	D1	D2	D3	F max (kN)	L1	L2	L3	L4	Max Energy Absorbed (J)*
C18.11.6527	35	30	27	5,2	65	60	40	45	13
C18.11.7536	45	40	36	9,8	75	70	45	55	24,5

SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA

WEB

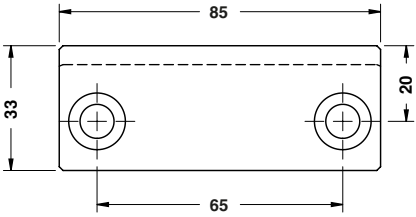
STOCK





Notes

Material: CK45

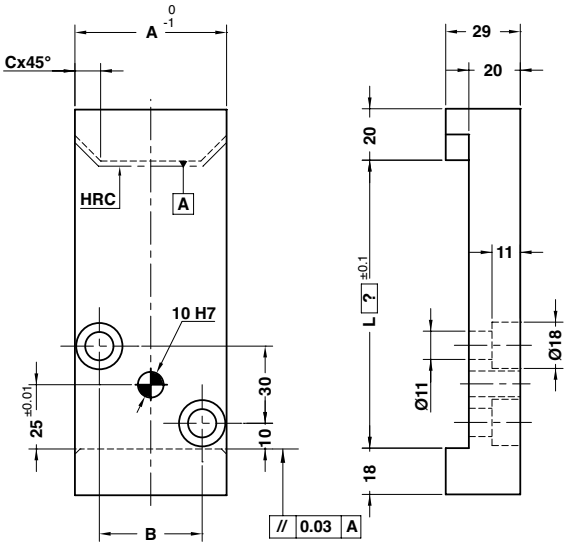


ORDER EXAMPLE

Art.
C18.12.01

OMCR CODE
C18.12.01

POSITIVE RETURN PLATE - ZWANGSRÜCKHOLER - GANCIO DI SICUREZZA



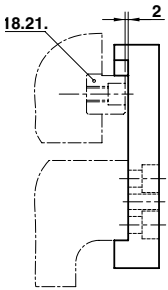


10 3D WEB

Notes

Material: CK45 - **HRC:** 52÷54

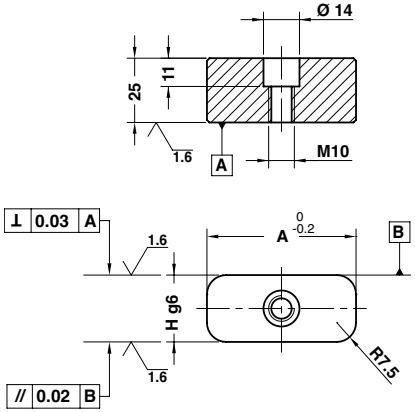
Application example



ORDER EXAMPLE	Art.	A=35	L=?
	C18.20.	35	80

OMCR CODE	A	B	C
C18.20.35	35	15	7
C18.20.60	60	40	10

KEY - PASSFEDER - CHIAVETTA



* For adjustment
Für umrüsten
Per adattamento



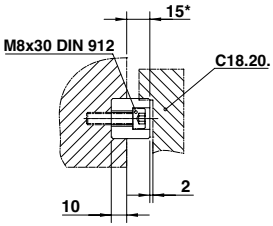
STOCK

3D WEB

Notes

Material: 90MnCrV8 - **HRC:** 58÷60

Application example



ORDER EXAMPLE	Art.	H=26	A=35
	C18.21.	26	35

OMCR CODE	H	A
C18.21.2635	26	35
C18.21.2660	26	60

CAM BLANK-HOLDER GUIDE - FÜHRUNG FÜR ZIEHKISSEN - GUIDA PER PREMILAMIERA

Notes

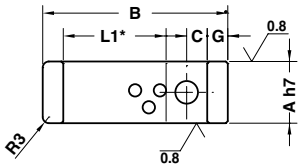
Material: Bronze + Graphite - **HB** >190

STOCK

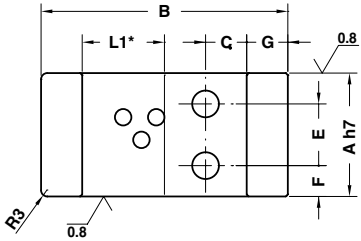
WEB

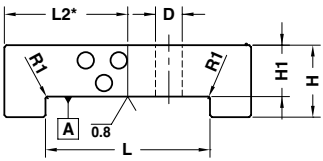


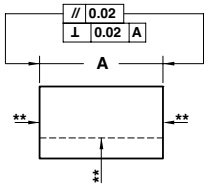
"FORM A"



"FORM B"







ORDER EXAMPLE

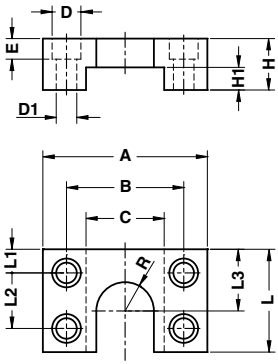
Art.	A=30	B=70
C18.25.	030	070

* Surface with solid lubricant / Oberfläche mit Festschmierstoff / Superficie con inserti autolubrificanti

** Sliding Surface / Geitfläche / Superficie di Scorrimento

OMCR CODE	A	B	C	D	E	F	G	H	H1	L	L1	L2	FORM
C18.25.030070	30	70	10	11	-	-	10	17	12	50	30	40	A
C18.25.030090	30	90	10	11	-	-	10	17	12	70	50	60	A
C18.25.045070	45	70	10	11	22	11,5	10	25	15	50	30	40	B
C18.25.045090	45	90	10	11	22	11,5	10	25	15	70	50	60	B
C18.25.060120	60	120	20	13	30	15	20	35	25	80	40	60	B
C18.25.060140	60	140	20	13	30	15	20	35	25	100	60	80	B
C18.25.060160	60	160	20	13	30	15	20	35	25	120	80	100	B

COUPLING PLATE – BEFESTIGUNGSPLATTE - STAFFA DI REAZIONE





STOCK 3D WEB

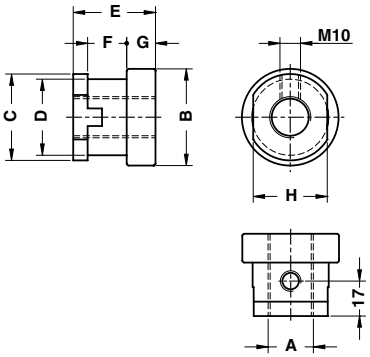
Notes

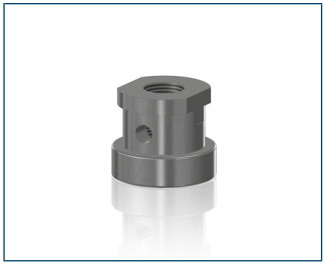
Material: CK45

ORDER EXAMPLE	Art.	A=80	R=14
	C18.30.	080	14

OMCR CODE	A	B	C	D	D1	E	H	H1	L	L1	L2	L3	R
C18.30.08014	080	57	38	18	11	10	25	11	50	11,5	27	30	14
C18.30.10020	100	75	50	20	13	12	32	15	55	12,5	30	35	20
C18.30.12025	120	88	60	26	17	16	40	20	65	16	33	45	25
C18.30.15033	150	114	80	33	22	26	45	20	100	18	64	64	33

COUPLING NUT - KUPPLUNGSMUTTER - AGGANCIO STAFFA





STOCK 3D WEB

Notes

Material: CK45

ORDER EXAMPLE	Art.	D=47	A=M27
	C18.31.	47	M27

OMCR CODE	A	B	C	D	E	F	G	H	Air cyl. (I.S.O.) bore size	Using with coupling plate
C18.31.25M10	M10x1,25	35	30	25	30	16	10	24	32	C18.30.08014
C18.31.25M12	M12x1,25	35	30	25	30	16	10	24	40	C18.30.08014
C18.31.37M16	M16x1,5	47	42	37	40	19	14	36	50, 63	C18.30.10020
C18.31.37M20	M20x1,5	47	42	37	40	19	14	36	80, 100	C18.30.10020
C18.31.37M27	M27x2	47	42	37	40	19	14	36	125	C18.30.10020
C18.31.47M27	M27x2	57	52	47	50	24	19	46	125	C18.30.12025
C18.31.47M36	M36x2	57	52	47	50	24	19	46	160, 200	C18.30.12025
C18.31.59M42	M42x2	76	64	59	76	50	19	60	250	C18.30.15033


FANUC Robot R-2000iA
165F

