



Die Components OMCR
OMCR Normalien
Componenti OMCR

OMCR®
STANDARD DIE COMPONENTS

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.

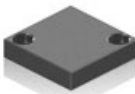
I La linea **Componenti per Stampi** offre una straordinaria varietà di articoli, conformi alle normative delle principali case automobilistiche. Grazie al diffuso utilizzo di sistemi informatici di gestione, di sistemi di produzione flessibili e all'ampia disponibilità di prodotti pronti a magazzino, questa gamma di prodotti risponde in modo esauriente alle necessità dei clienti e garantisce qualità, affidabilità e rapidità nelle consegne.

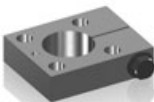
All'interno della linea **Componenti per Stampi**, proponiamo la serie **Standard OMCR**, frutto di una selezione che ha permesso di individuare i normalizzati ideali per un'efficiente progettazione di stampi lavorazione lamiera.



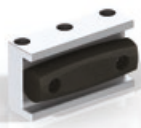
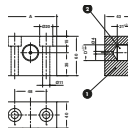


C10.09  BMW-MERCEDES-BENZ- FCA-FORD-OPEL-VW/AUDI Gage hardened Einweiser gehärtet Riferimento indurito 23	C10.10  BMW-MERCEDES-BENZ- FCA-FORD-OPEL-VW/AUDI Gage Einweiser Riferimento 24	C10.11  Gage for sensor Einweiser für Teillagekontrolle Riferimento per sensore 25	C10.12  Gage Einweiser Riferimento 26	C10.13  MERCEDES-BENZ Gage hardened Einweiser gehärtet Riferimento indurito 27
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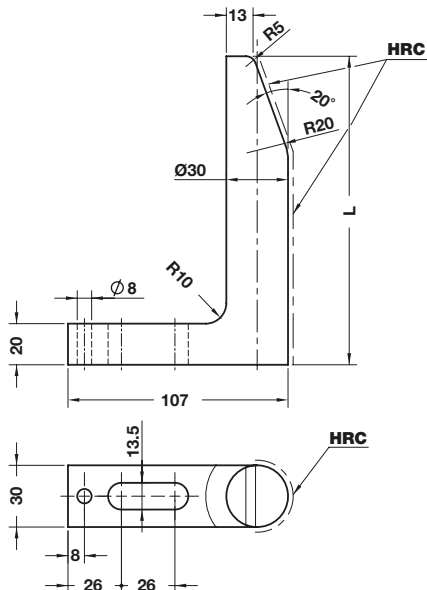
C11.20  BMW - VW/AUDI Locating pin Zentrierbolzen Perno di centraggio 46	C11.30  VW/AUDI Visual locator setting punch Endkontrollstempel Punzone di visualizzazione 47	C11.40  FCA-PSA-RENAULT Stamp retainer Halteplatte Portatimbr 48	C11.45  FCA-PSA-RENAULT Backing plate Druckplatte Reazione 49	C11.50  FCA-PSA-RENAULT Stamp Buchstabenstempel Punzone marchio 50
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GAGE HARDENED - EINWEISER GEHÄRTET - RIFERIMENTO INDURITO



Notes

Material: CK60 - HRC: 56÷60



WEB

Standard OMCR

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

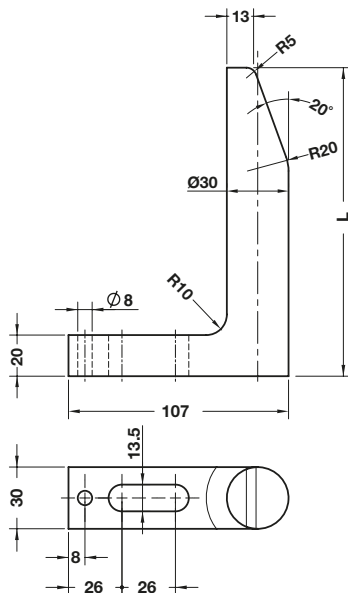
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C10.09.080	80	○	C10.09.160	160	○	C10.09.240	240	○
C10.09.085	85	○	C10.09.165	165	○	C10.09.245	245	○
C10.09.090	90	●	C10.09.170	170	○	C10.09.250	250	●
C10.09.095	95	○	C10.09.175	175	○	C10.09.260	260	○
C10.09.100	100	○	C10.09.180	180	●	C10.09.270	270	○
C10.09.105	105	○	C10.09.185	185	○	C10.09.280	280	○
C10.09.110	110	○	C10.09.190	190	○	C10.09.290	290	○
C10.09.115	115	○	C10.09.195	195	○	C10.09.300	300	●
C10.09.120	120	●	C10.09.200	200	○	C10.09.310	310	○
C10.09.125	125	○	C10.09.205	205	○	C10.09.320	320	○
C10.09.130	130	○	C10.09.210	210	○	C10.09.330	330	○
C10.09.135	135	○	C10.09.215	215	○	C10.09.340	340	○
C10.09.140	140	○	C10.09.220	220	○	C10.09.350	350	●

GAGE - EINWEISER - RIFERIMENTO



Notes

Material: CK60



WEB

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

STOCK = ●

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C10.10.	070

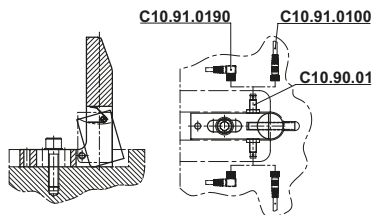
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C10.10.110	110	○	C10.10.190	190	○	C10.10.290	290	○
C10.10.115	115	○	C10.10.195	195	○	C10.10.300	300	●
C10.10.120	120	●	C10.10.200	200	○	C10.10.310	310	○
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C10.10.135	135	○	C10.10.215	215	○	C10.10.340	340	○
C10.10.140	140	○	C10.10.220	220	○	C10.10.350	350	●

GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE

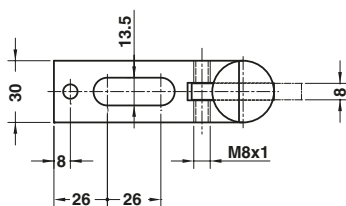
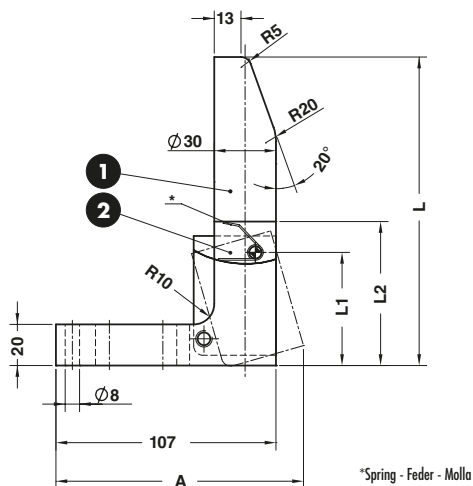
Notes

- ① **Material:** CK60
HRC: 50÷55
- ② **Material:** Si37

Application example

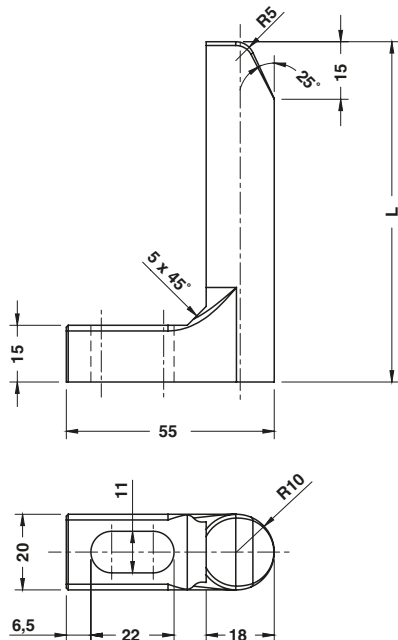


Standard OMCR



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



Notes

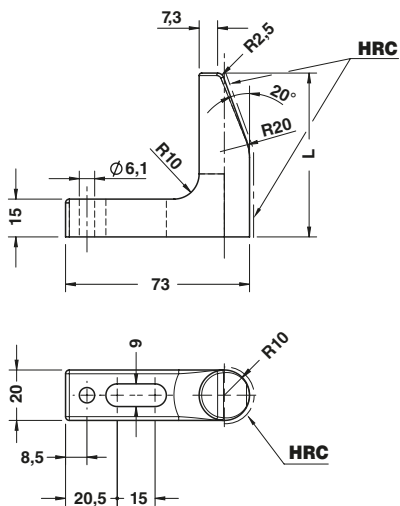
Material: CK45



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

GAGE HARDENED - EINWEISER GEHÄRTET - RIFERIMENTO INDURITO



WEB

Notes

Material: CK60 - HRC: 58÷60



Art.

L=65

C10.13.

065

OMCR CODE

L

C10.13.065

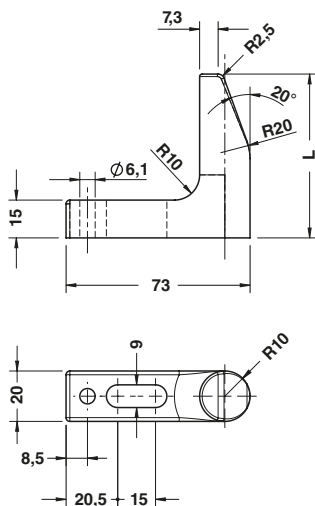
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C10.13.090

90

Standard OMCR

GAGE - EINWEISER - RIFERIMENTO



WEB

Notes

Material: CK60



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

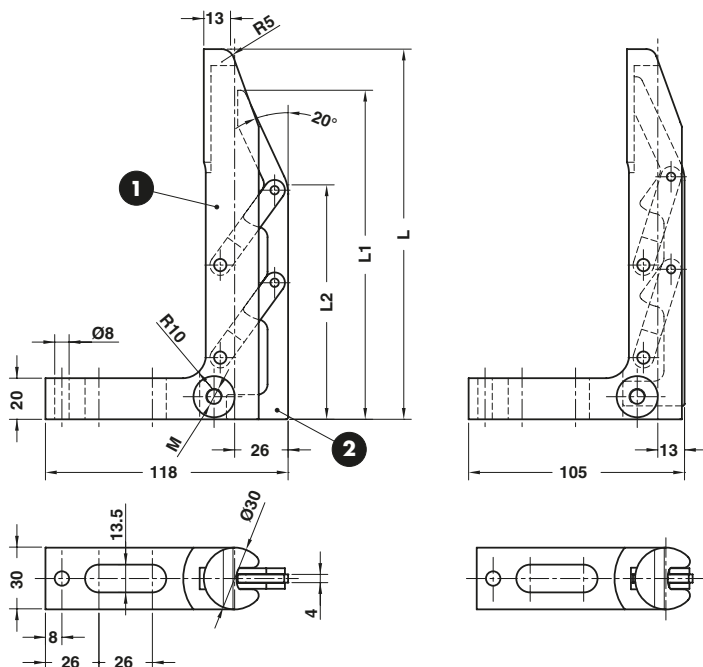
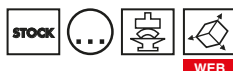
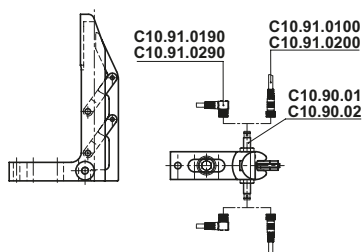
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Material: CK60

2

Material: St37 - HRC: 58÷60

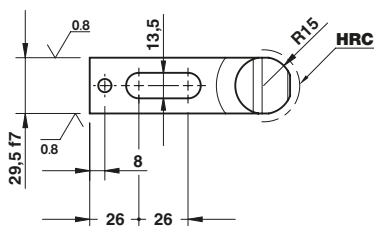
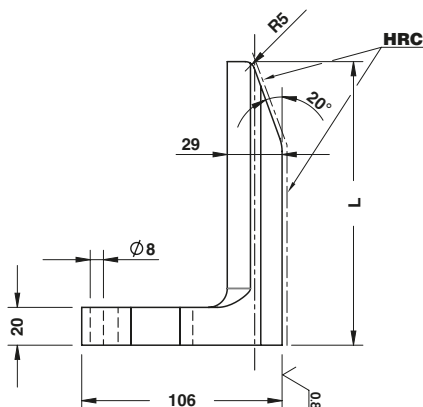
Application example



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

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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

Standard OMCR

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione

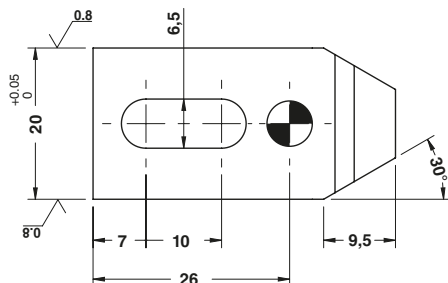
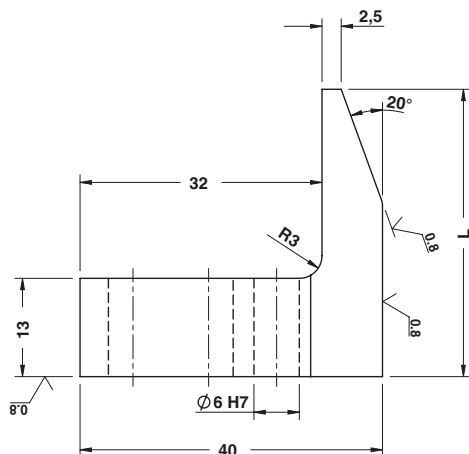
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Art.	L=70
C10.16.	070

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C10.16.140	140	○	C10.16.220	220	○	C10.16.350	350	●



WEB

Notes

Material: 21MnCr5 - HRC: 58÷60



Art.	L=38
C10.18.	038

OMCR CODE

L

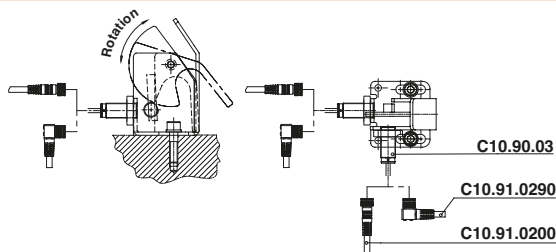
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C10.18.038	38
C10.18.048	48
C10.18.058	58
C10.18.068	68
C10.18.078	78
C10.18.088	88

FRONT GAGE - EINLAUFANSCHLAG - PORTASENSORE

Notes

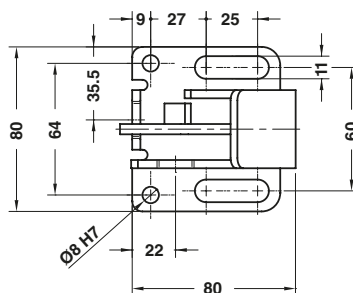
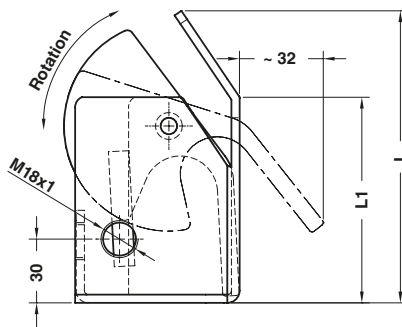
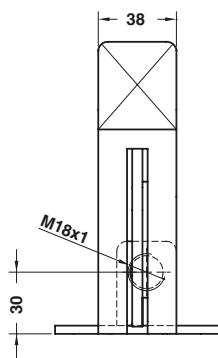
Material: St37

Application example



WEB

Standard OMCR



Art.	L=142
C10.20.	142

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C10.20.142	142	100
C10.20.192	192	150

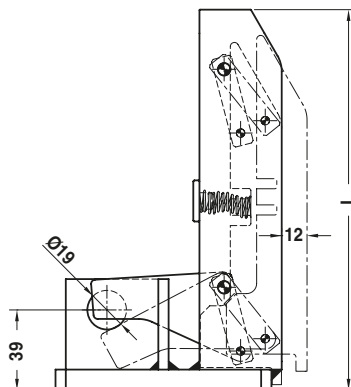
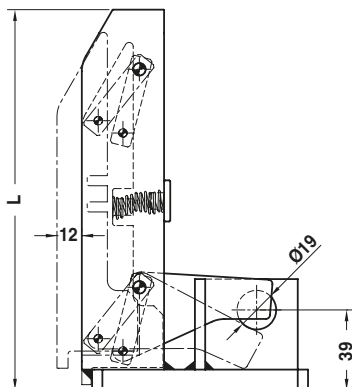
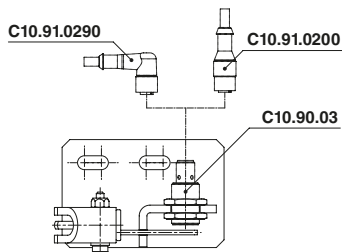
SUPPORT FOR SENSOR - LAGEKONTROLLE FÜR PLATINEN - SUPPORTO SENSORE

Notes

Material: Steel

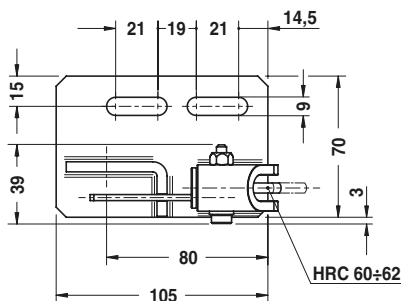
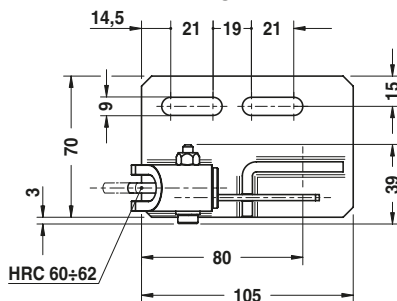
Only for replacement
Nur für Reparatur
Solo per riparazione

Application example



FORM A

FORM B



Art.	TYPE
C10.25.	01

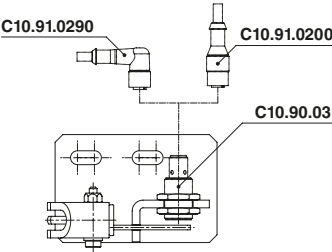
OMCR CODE	TYPE	L	FORM
C10.25.01	01	145	A
C10.25.02	02	145	B
C10.25.03	03	185	A
C10.25.04	04	185	B
C10.25.25	25	225	A
C10.25.26	26	225	B

SUPPORT FOR SENSOR - LAGEKONTROLLE FÜR PLATINEN - SUPPORTO SENSORE

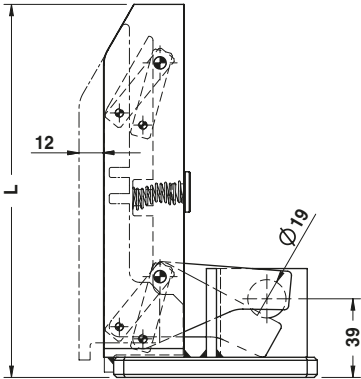
Notes

Material: Steel

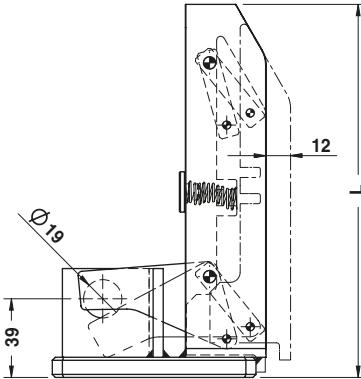
Application example



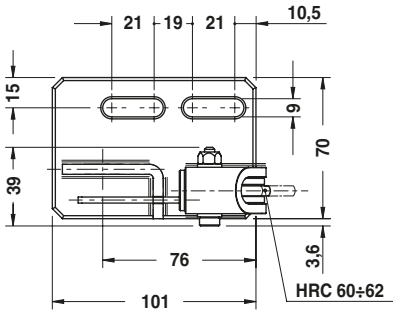
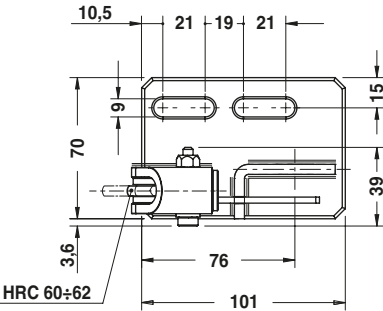
Standard OMCR



FORM A

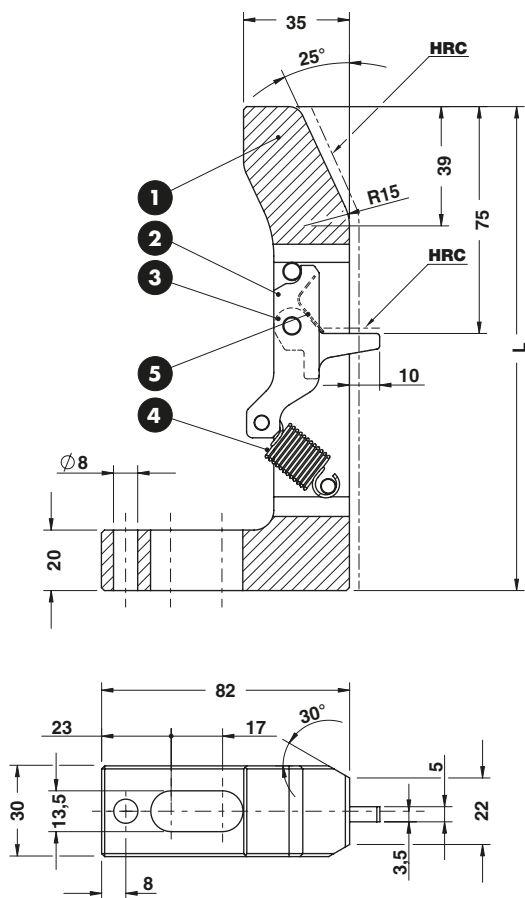


FORM B



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



WEB

Notes

1 3

Material: CK45 - HRC: 58÷60

2 **Material:** CK45 - HRC: 54÷56

4 Spring

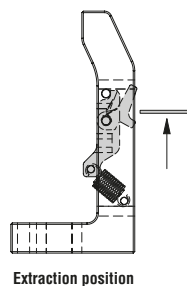
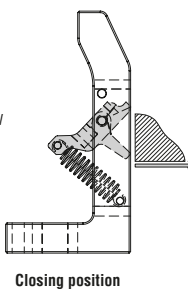
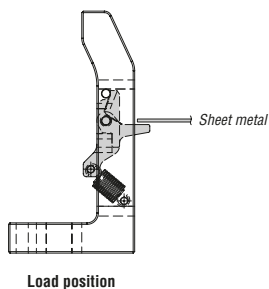
5 Spring



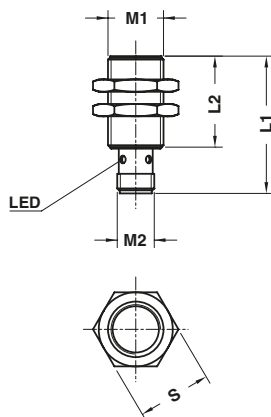
Art.	L=160
C10.30.	160

OMCR CODE	L
C10.30.160	160
C10.30.170	170
C10.30.180	180
C10.30.190	190
C10.30.200	200

Application example



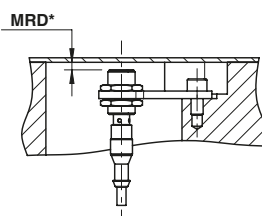
SENSOR - INDUKTIVE SENSOR - SENSORE



Notes

Manufactured by
Hersteller - Costruttore: **BALLUFF**

Application example



*Max reading distance
Massimale Lesereichweite
Distanza massima di lettura

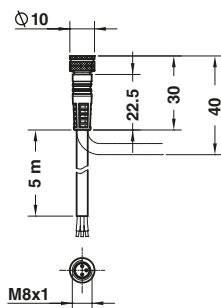
ORDER EXAMPLE	Art.
	C10.90.01

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

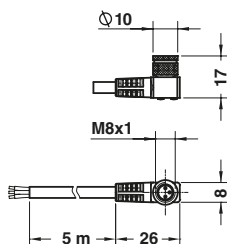
TECHNICAL DATA	C10.90.01	C10.90.02	C10.90.03	C10.90.04
1 Rated operational voltage (Ue)	24 V DC	24 V DC	24 V DC	24 V DC
2 Supply voltage (Ub)	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
3 No load supply current (Io max.)	≤ 7 mA	≤ 10 mA	≤ 10 mA	≤ 25 mA
4 Residual current (Ir)	≤ 10 µA	≤ 50 µA	≤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

CONNECTOR - STECKVERBINDER - CONNETTORE

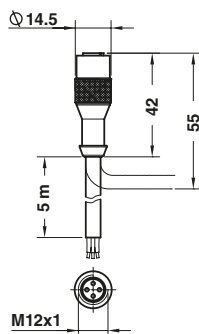
FORM A



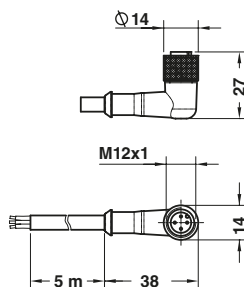
FORM B



FORM C



FORM D



WEB

Notes

Manufactured by
Hersteller - Costruttore: **BALLUFF**

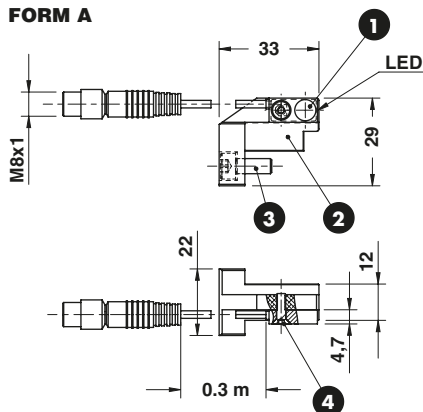


Art.
C10.91.0190

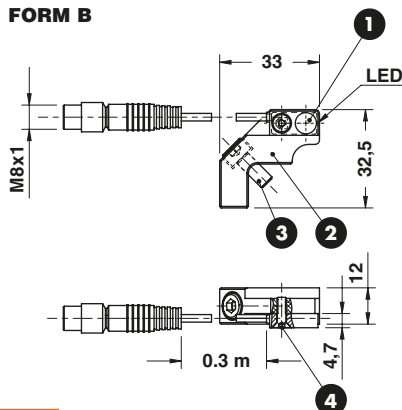
OMCR CODE	FORM
C10.91.0100	A
C10.91.0190	B
C10.91.0200	C
C10.91.0290	D

SENSOR - INDUKTIVE SENSOR - SENSORE

FORM A



FORM B



Art.
C10.92.01



STOCK

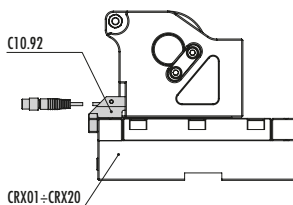


WEB

Notes

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

Application example



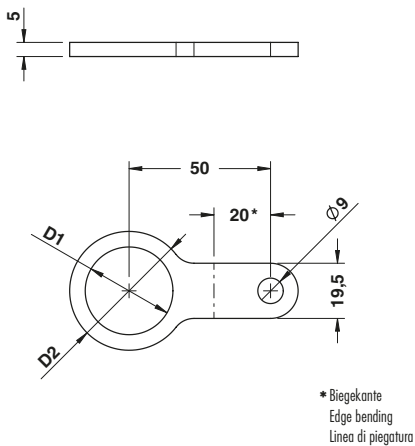
* Max reading distance
Maximale Lesereichweite
Distanza massima di lettura

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 (I _o max.)	≤ 10 mA
4 Residual current (I _r)	≤ 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

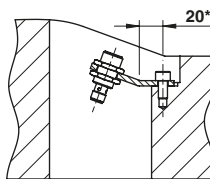
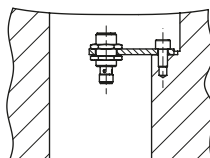


WEB

Notes

Material: Si37

Application example

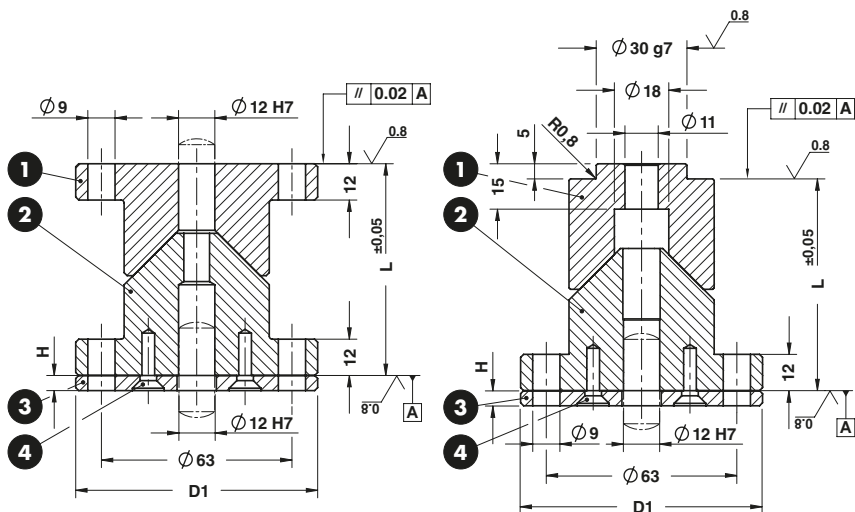


Art.

C10.95.02

OMCR CODE	D1	D2	Using with sensor
C10.95.01	19	30	C10.90.03
C10.95.02	31	42	C10.90.04

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



WEB

Standard OMCR



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

Technical drawing of a mechanical part, likely a valve or connector, showing a cross-section. The drawing includes the following dimensions and labels:

- Dimensions:**
 - Top horizontal dimensions: $\varnothing 11$, $\varnothing 25$, $\varnothing 16 \text{ H7}$.
 - Vertical dimensions on the right: 11, 15, ± 0.05 , 15, 0.8.
 - Horizontal dimensions at the bottom: $D4$, $D2$, $D1$.
 - Overall height dimension: H .
- Surface Finish:** A box at the top right indicates a surface finish of $\sqrt{0.02 \text{ A}}$.
- Labels:**
 - Four numbered circles (1, 2, 3, 4) point to specific features: 1 points to the top flange, 2 points to the base flange, 3 points to the base mounting holes, and 4 points to the central bore.
 - A label 'A' is located at the bottom right, corresponding to the surface finish specification.

LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO

Notes

- 1 2 **Material:** 16MnCr5 - **HRC:** 60÷62
- 3 **Material:** CK45
- 4 M5x16 DIN 7991



WEB

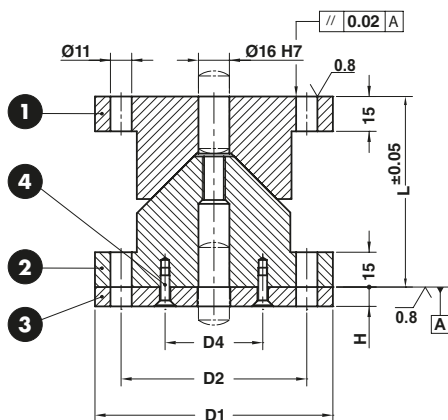
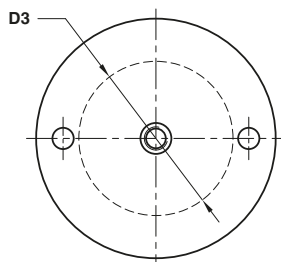
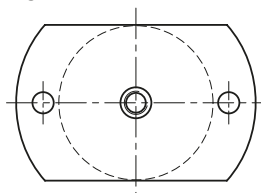
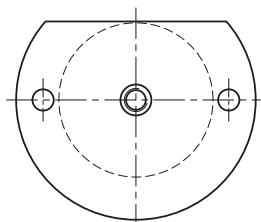
Standard OMCR



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



WEB

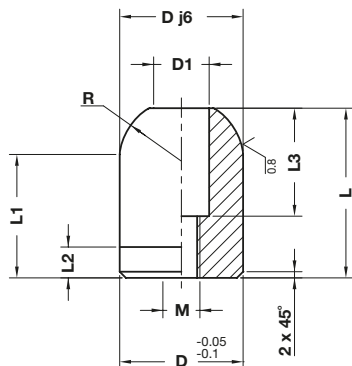
Standard OMCR



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

LOCATING PIN - ZENTRIERBOLZEN - PERNO DI CENTRAGGIO



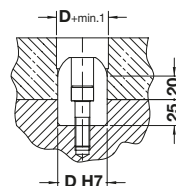
STOCK



Notes

Material: 16MnCr5 - HRC: 58÷60

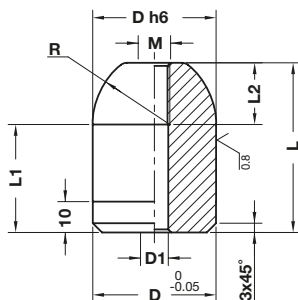
Application example



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

LOCATING PIN - ZENTRIERBOLZEN - PERNO DI CENTRAGGIO



STOCK



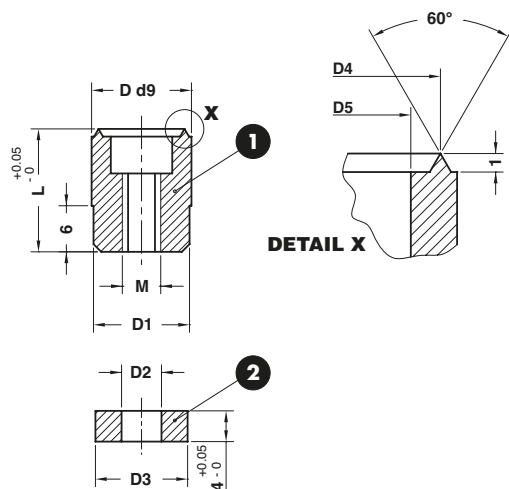
Notes

Material: 16MnCr5 - HRC: 58÷60



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

OMCR CODE	D	D1	L	L1	L2	M	R
C11.20.2245	22	7	45	35	16	M8	15
C11.20.2255	22	7	55	45	16	M8	15
C11.20.3250	32	9	50	37,5	20	M10	20
C11.20.4055	40	9	55	35	20	M10	25
C11.20.4065	40	9	65	45	20	M10	25
C11.20.4085	40	9	85	65	20	M10	25
C11.20.5055	50	9	55	41,25	20	M10	25
C11.20.5680	56	9	80	60	20	M10	30



WEB

Notes

1 Material: X205Cr12KU
HRC: 60÷62

2 Material: X205Cr12KU



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

STAMP RETAINER - HALTEPLATTE - PORTATIMBRI

Notes

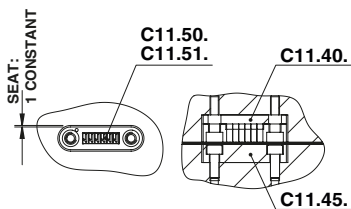
1 2

Material: CK45

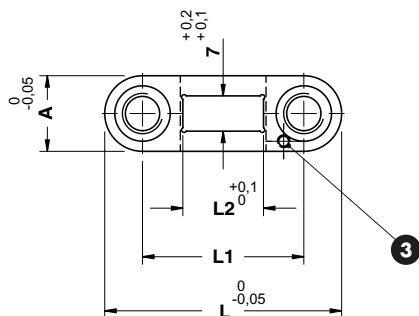
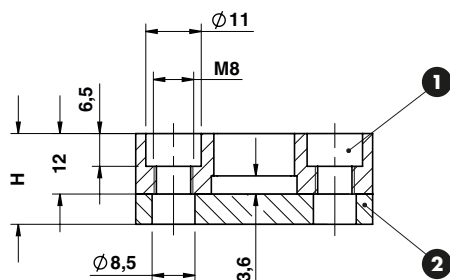
3

ELASTIC PIN Ø2.5x14 DIN 1481

Application example



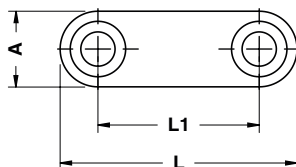
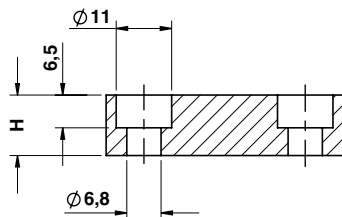
WEB



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



WEB

Notes

Material: CK45

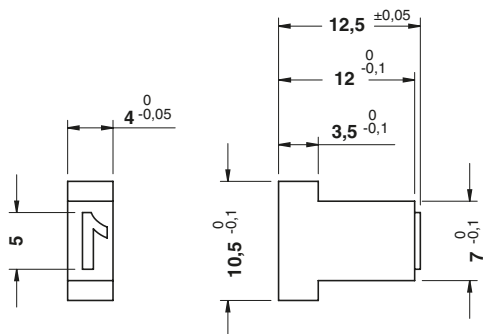
Standard OMCR



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



WEB

Notes

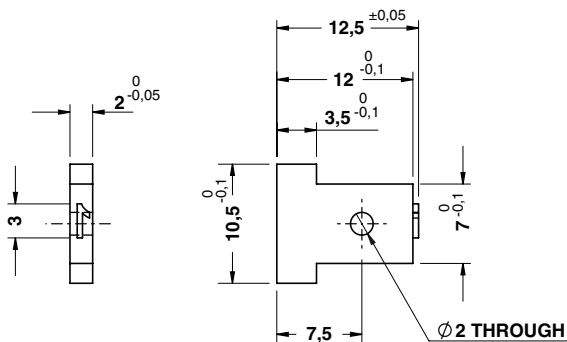
Material: X153CrMoV12**HRC:** 54÷56

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



WEB

Notes

Material: X153CrMoV12

HRC: 54÷56

Standard OMCR



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		

Technical drawing of a mechanical part. The part consists of a vertical shaft and a horizontal base. The shaft has a diameter of $\varnothing 20$ and a length of L . The base has a diameter of $\varnothing 16$ and a length of L_3 . The total length of the part is $L \pm 0.1$. The drawing includes various dimension lines, tolerances, and surface finish symbols.

Key dimensions and tolerances:

- Shaft diameter: $\varnothing 20$
- Base diameter: $\varnothing 16$ (tolerance: -0.1 to -0.3)
- Base diameter: $\varnothing 13$
- Base length: L_3
- Shaft length: L (total length: $L \pm 0.1$)
- Base thickness: 12
- Base width: 20
- Surface finish: $R_a 0.5$ (top surface), $R_a 0.1$ (side surface)
- Dimension lines: $D1$, $D2$, L , L_2 , L_3



WEB



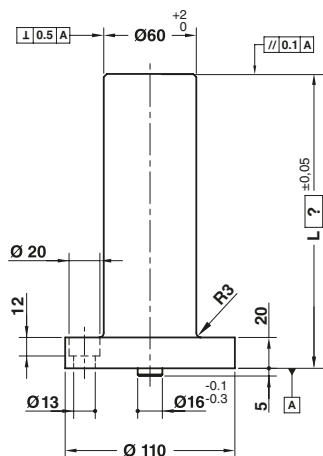
Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Material: CK45 - $800 \div 1000 \text{ N/mm}^2$

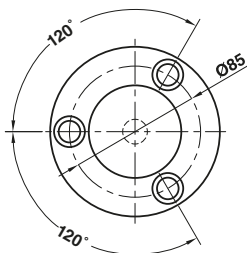
	Art.	D1=36	L=230
	C12.10.	36	230

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

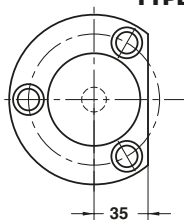
AIR PIN - UNTERLUFTBOLZEN - CANDELA



TYPE 01



TYPE 02



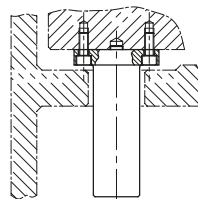
$L_{max} = 450 \text{ mm}$

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

Notes

Material: CK45 - $800 \div 1000 \text{ N/mm}^2$

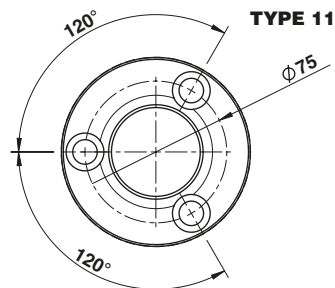
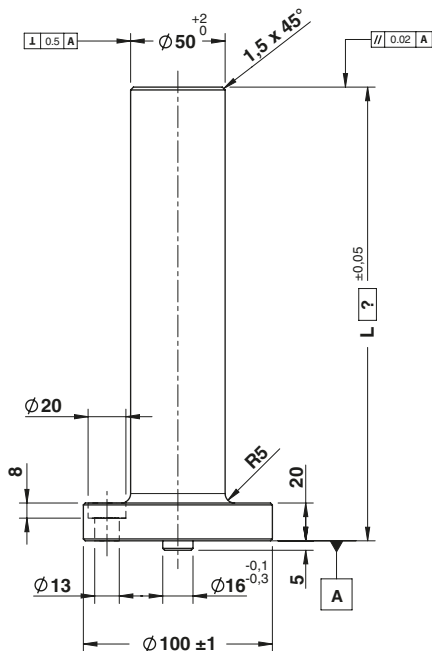
Application example



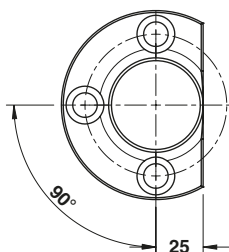
Art.	TYPE	L=220
C12.11.	01	220

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

AIR PIN - UNTERLUFTBOLZEN - CANDELA



TYPE 12



WEB



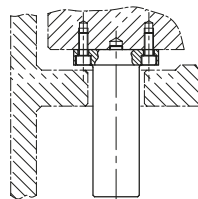
Lmax = 450 mm

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

Notes

Material: CK45 - $800 \div 1000 \text{ N/mm}^2$

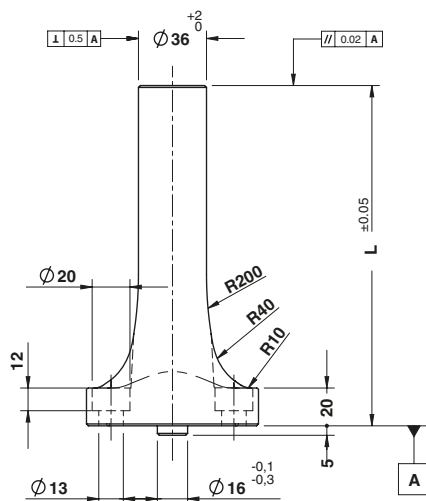
Application example



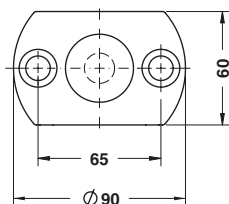
Art.	TYPE	L=220
C12.11.	11	220

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

AIR PIN VDI 3002 - DRUCKBOLZEN VDI 3002 - CANDELA VDI 3002



TYPE 10



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

Notes

Material: CK45
800÷1000 N/mm²



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

Technical drawing of a mechanical part with the following dimensions and tolerances:

- Top horizontal dimension: 1 ± 0.5 A
- Top diameter: $\varnothing 36^{+2}_0$
- Surface texture symbol: $\sqrt{\text{A}}$ with 0.02
- Vertical dimension: $L \pm 0.05$
- Inner diameter: $\varnothing 20$
- Curved surface radii: $R200$, $R40$, $R10$
- Left vertical dimension: 12
- Right vertical dimension: 20
- Bottom right vertical dimension: 5
- Bottom left diameter: $\varnothing 13$
- Bottom center diameter: $\varnothing 16^{-0.1}_{-0.3}$
- Bottom right corner: A



WEB



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

Material: CK45
800÷1000 N/mm²

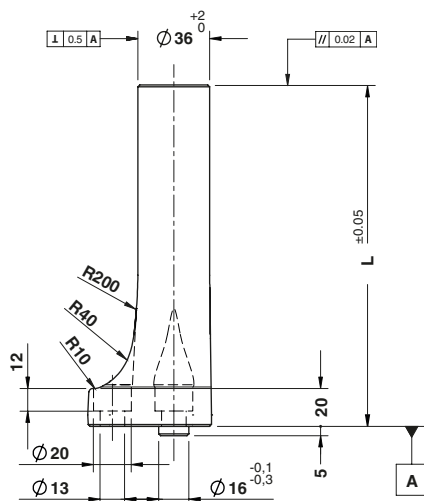


OMCR CODE	TYPE	L	Max Load (kN)
C12.12.11150	11	150	50
C12.12.11155	11	155	50
C12.12.11160	11	160	50
C12.12.11165	11	165	50
C12.12.11170	11	170	50
C12.12.11175	11	175	50
C12.12.11180	11	180	50
C12.12.11185	11	185	50
C12.12.11190	11	190	50
C12.12.11195	11	195	50
C12.12.11200	11	200	50
C12.12.11205	11	205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

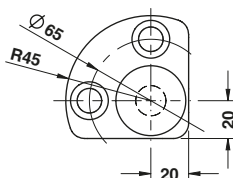
OMCR CODE	TYPE	L	Max Load (kN)
C12.12.11215	11	215	50
C12.12.11220	11	220	50
C12.12.11225	11	225	50
C12.12.11230	11	230	50
C12.12.11235	11	235	50
C12.12.11240	11	240	50
C12.12.11245	11	245	50
C12.12.11250	11	250	50
C12.12.11255	11	255	50
C12.12.11260	11	260	50
C12.12.11265	11	265	50
C12.12.11270	11	270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

AIR PIN VDI 3002 - DRUCKBOLZEN VDI 3002 - CANDELA VDI 3002



TYPE 12



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

Notes

Material: CK45
800÷1000 N/mm²



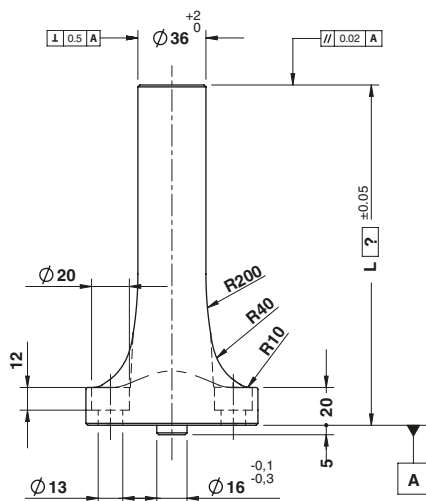
Art.	TYPE	L=220
C12.12.	12	220

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

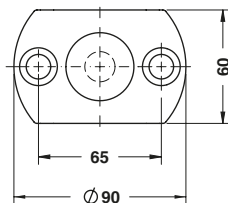
OMCR CODE	TYPE	L	Max Load (kN)
C12.12.12215	12	215	50
C12.12.12220	12	220	50
C12.12.12225	12	225	50
C12.12.12230	12	230	50
C12.12.12235	12	235	50
C12.12.12240	12	240	50
C12.12.12245	12	245	50
C12.12.12250	12	250	50
C12.12.12255	12	255	50
C12.12.12260	12	260	50
C12.12.12265	12	265	50
C12.12.12270	12	270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

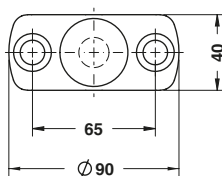
AIR PIN VDI 3002 - DRUCKBOLZEN VDI 3002 - CANDELA VDI 3002



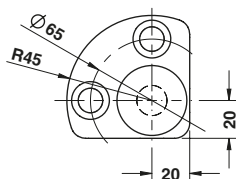
TYPE 10



TYPE 11



TYPE 12



WEB



Lmax = 360 mm

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

Notes

Material: C45
800÷1000 N/mm²

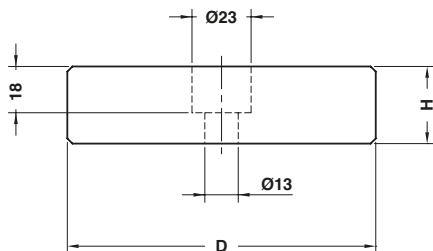


Art.	TYPE	L=220
C12.12.	10	220

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

INDEX

COMPENSATION BLOCK - ABSTANDSBLOCK - TASSELLO DI COMPENSAZIONE



STOCK



WEB



Notes

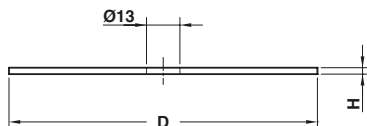
Material: 42CrMo4 - HRC: 46÷48



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

SHIM - AUSGLEICHSCHEIB - SPESSORE



STOCK



WEB



Notes

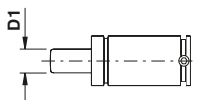
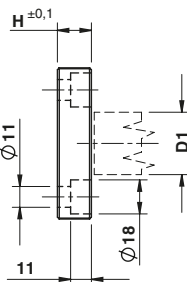
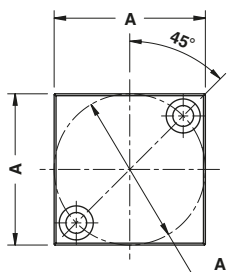
Material: CK45



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

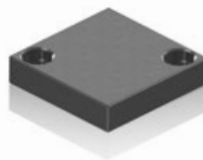
PRESSURE PLATE - DRUCKPLATTE - PIASTRA DI REAZIONE



STOCK



WEB



Notes

Material: 16MnCr5
HRC: 58÷60

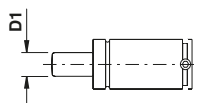
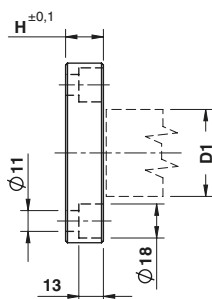
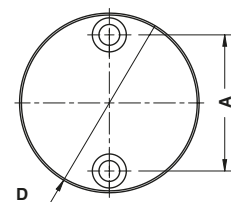


Art.	A=80	H=18
C12.22.	80	18

OMCR CODE	A	D1	H
C12.22.8018	80	≤ 65	18

Standard OMCR

PRESSURE PLATE - DRUCKPLATTE - PIASTRA DI REAZIONE



STOCK



WEB



Notes

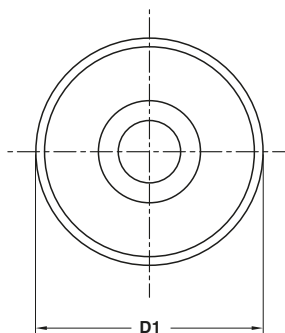
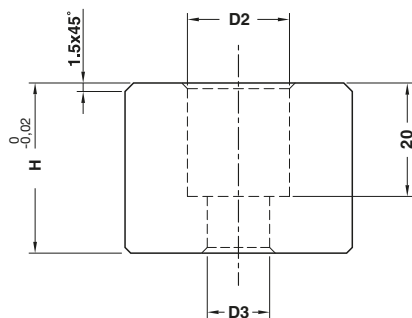
Material: 16MnCr5
HRC: 58÷60



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

OMCR CODE	A	D	D1	H
C12.23.6520	42	65	≤ 25	20
C12.23.9520	72	95	≤ 50	20

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE



STOCK



WEB

Notes

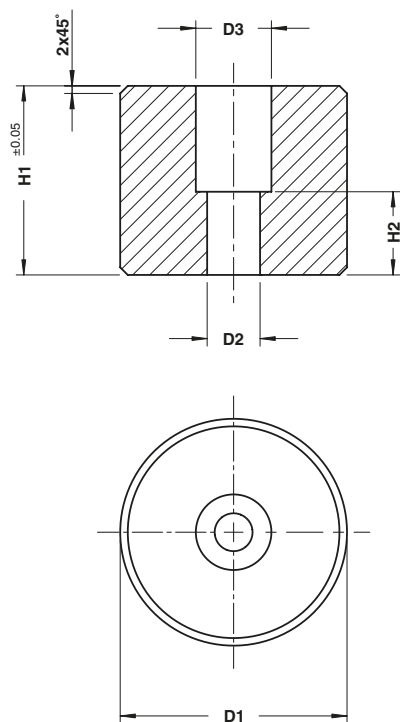
Material: CK45



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



WEB



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

Notes

Material: CK45

Screws not included

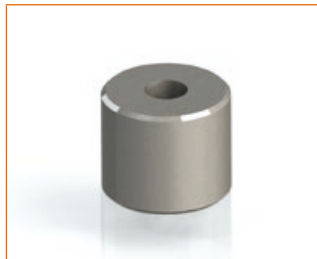
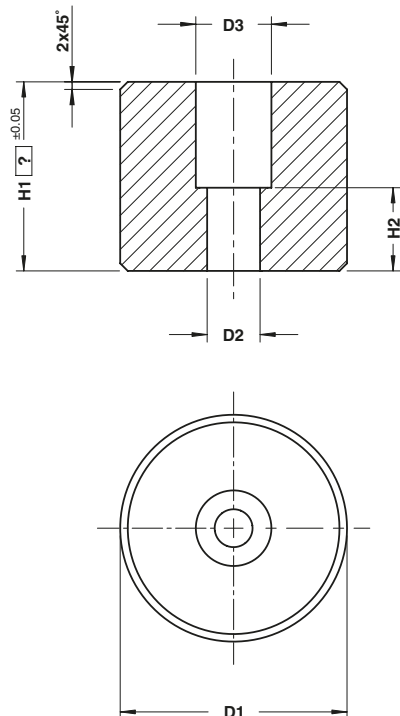


Art.	D1=60	H1=40,50
C12.26.	060	04050

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	28	10	28	10	28	10	28	12	22	42	12	22	42	20	36	15	30	15	30
Screw DIN EN ISO 4762	M8x25	M8x40	M8x25	M8x40	M8x25	M8x40	M8x25	M8x40	M12x30	M12x40	M12x60	M12x30	M12x40	M12x60	M16x40	M16x60	M20x50	M20x60	M20x50	M20x60
H1																				
20	•		•		•		•													
20,3	•		•		•		•													
20,5	•		•		•		•													
23	•		•		•		•													
25	•		•		•		•		•											
28	•		•		•		•		•											
30	•		•		•		•		•			•								
30,3	•		•		•		•		•			•								
30,5	•		•		•		•		•			•								
33	•		•		•		•		•			•								
35	•		•		•		•		•			•								
38	•		•		•		•		•			•								
40	•		•		•		•			•			•		•					
40,3		•		•		•		•		•			•		•					
40,5		•		•		•		•		•			•		•					
41				•		•		•		•			•		•					
43				•		•		•		•			•		•					
45				•		•		•		•			•		•					
48				•		•		•		•			•		•					
50				•		•		•		•			•		•		•		•	
50,3				•		•		•		•			•		•		•		•	
50,5				•		•		•		•			•		•		•		•	
51					•		•		•				•		•		•		•	
55					•		•		•				•		•		•		•	
60					•		•		•				•		•		•		•	
60,3					•		•			•			•			•		•		•
60,5					•		•			•			•		•		•		•	
61										•			•		•		•			•

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE



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

Notes

Material: CK45

Screws not included



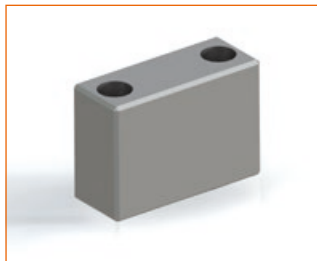
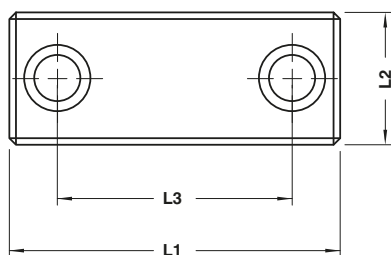
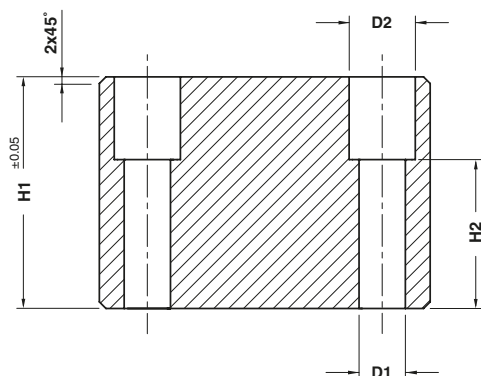
Art.	D1=80	H1=45
C12.26.	080	04500

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	20	M12x40	100
C12.26.	80	14	20	> 60 - 80	36	M12x60	100
C12.26.	80	14	20	> 80 - 100	56	M12x80	100
C12.26.	80	14	20	> 100 - 120	76	M12x100	100
C12.26.	80	14	20	> 120 - 140	96	M12x120	100
C12.26.	80	14	20	> 140 - 160	116	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



WEB



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

Notes

Material: CK45

Screws not included

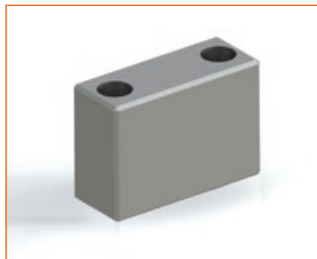
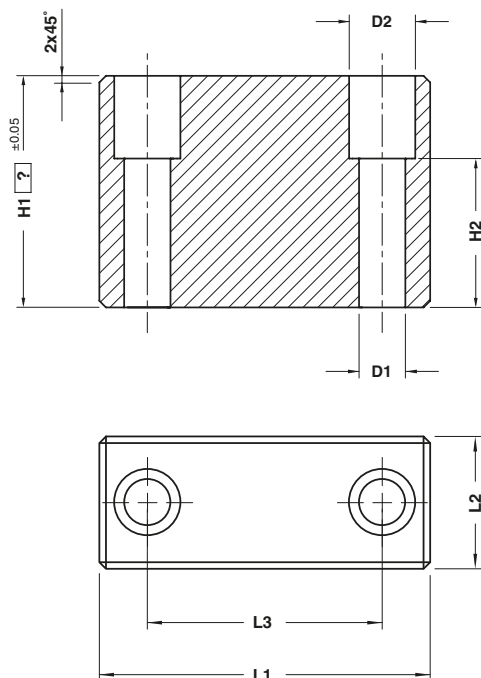


Art.	L1=60	L2=40	H1=60,5
C12.27.	060	040	06050

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	48	8	25	45	6	22	42	6	22	42	6	22	42	18	38	18	38
Screw DIN EN ISO 4762	M8x25	M8x40	M8x60	M10x25	M10x40	M10x60	M12x25	M12x40	M12x60	M12x25	M12x40	M12x60	M12x25	M12x40	M12x60	M16x40	M16x60	M16x40	M16x60
H1																			
20	•			•															
20,3	•			•															
20,5	•			•															
23	•			•															
25	•			•			•												
28	•			•			•												
30	•			•			•			•									
30,3	•			•			•			•									
30,5	•			•			•			•									
33	•			•			•			•									
35	•			•			•			•									
38	•			•			•			•									
40	•			•			•			•			•			•		•	
40,3		•			•			•			•			•		•		•	
40,5		•			•			•			•			•		•		•	
41		•			•			•			•			•		•		•	
43		•			•			•			•			•		•		•	
45		•			•			•			•			•		•		•	
48		•			•			•			•			•		•		•	
50		•			•			•			•			•		•		•	
50,3		•			•			•			•			•		•		•	
50,5		•			•			•			•			•		•		•	
51		•			•			•			•			•		•		•	
55		•			•			•			•			•		•		•	
60		•			•			•			•			•		•		•	
60,5			•			•			•			•			•		•		•
61									•			•			•		•		•

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE



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

Notes

Material: CK45

Screws not included



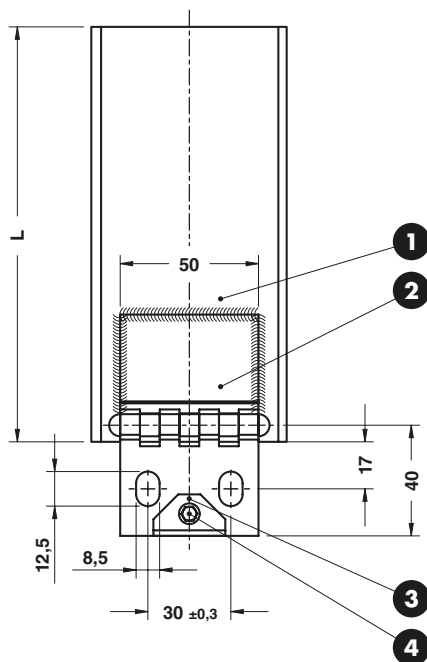
Art.	L1=150	L2=80	H1=85
C12.27.	150	080	08500

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

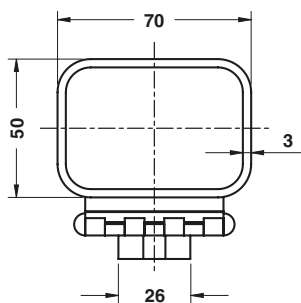
BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

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

SPACING BAR - ABSTELLBOLZEN - DISTANZIALE



TYPE 02



SPACING BAR - ABSTELLBOLZEN - DISTANZIALE

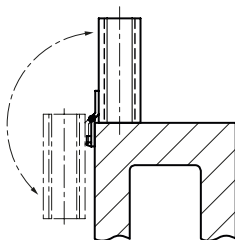


Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

- 1 **Material:** Si37
- 2 AHA Hinge
- 3 **Material:** Elastomer 68SH
- 4 Screw M4x8 - DIN912

Application example



STOCK



WEB

Standard OMCR



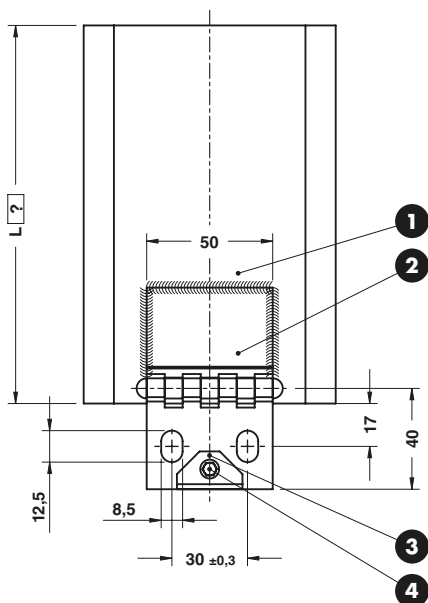
Art.	TYPE	L=70
C12.30.	02	070

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

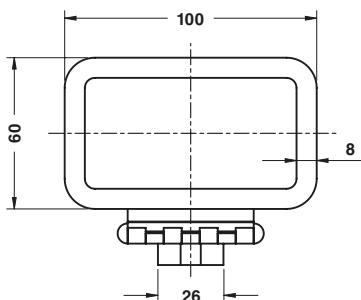
OMCR CODE	TYPE	L	Max load (kN)
C12.30.02150	02	150	100
C12.30.02155	02	155	100
C12.30.02160	02	160	100
C12.30.02165	02	165	100
C12.30.02170	02	170	100
C12.30.02175	02	175	100
C12.30.02180	02	180	100
C12.30.02185	02	185	100
C12.30.02190	02	190	100
C12.30.02195	02	195	100
C12.30.02200	02	200	100
C12.30.02205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

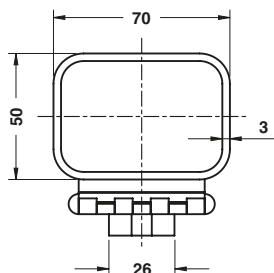
SPACING BAR - ABSTELLBOLZEN - DISTANZIALE



TYPE 01



TYPE 02



WEB



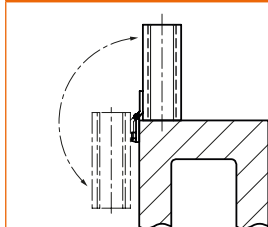
L max. = 400

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

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

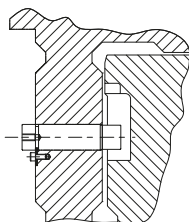


Respect the dynamic load
Dynamische Last berücksichtigen
Rispettare il carico dinamico

Notes

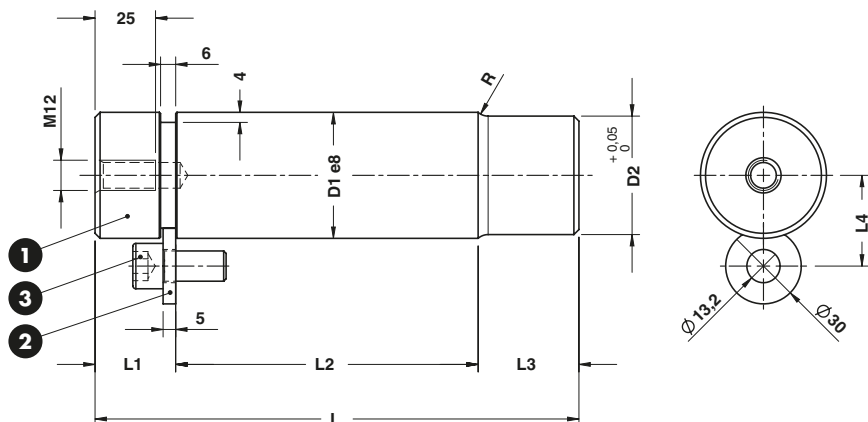
- 1 Material:** 42CrMo4
800÷1000 N/mm²
- 2 Material:** CK45
- 3** Screw M12x20 - DIN 912

Application example



WFF

Standard OMCR



	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

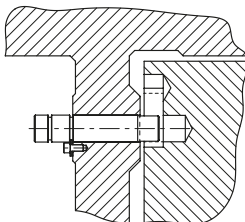


Respect the dynamic load
Dynamische Last berücksichtigen
Rispettare il carico dinamico

Notes

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

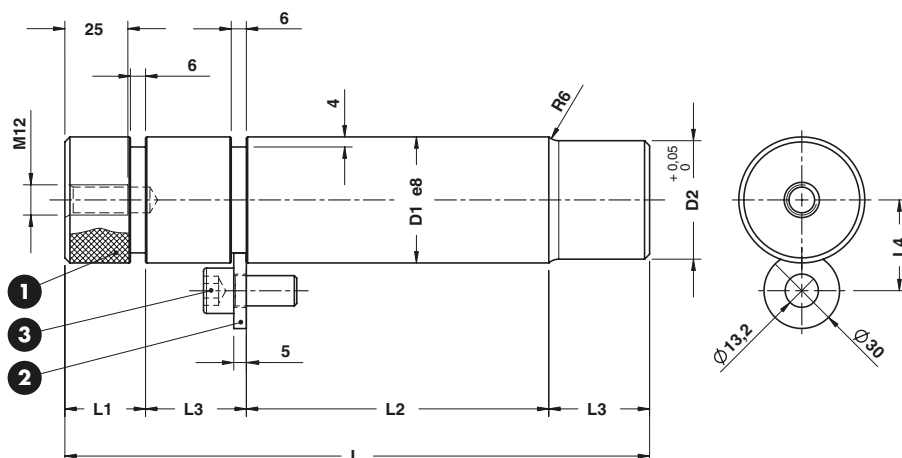
Application example



STOCK



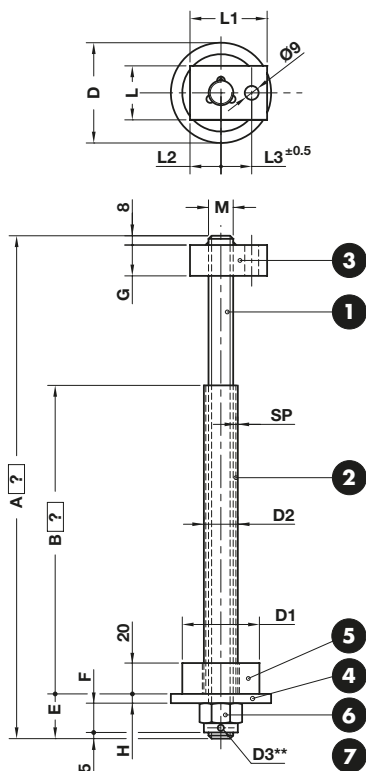
WEB



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 durchzuführen bei der montage
Foro per copiglia da eseguire al montaggio

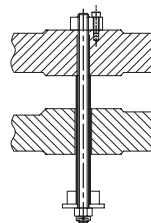


Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

- 1 Material:** 36NiCrMo4
- 2 3 Material:** St37
- 4 Material:** CK45
- 5** Elastomer 92SH
- 6** DIN 935 cl. 8.8
- 7** DIN 94

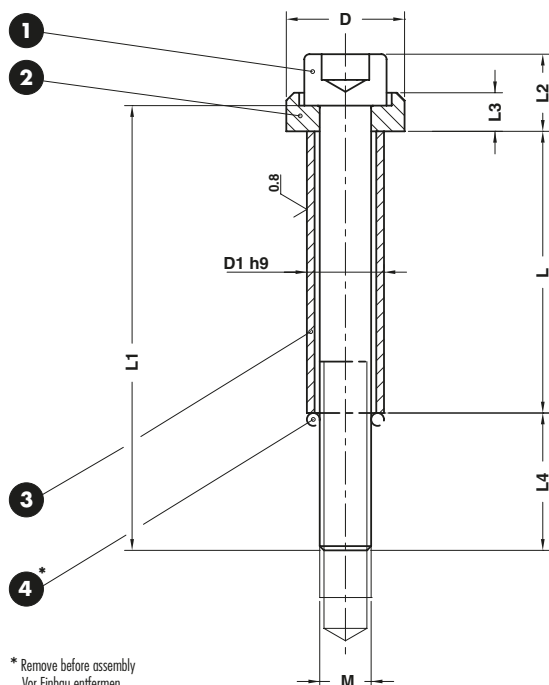
Application example



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 COLLETO



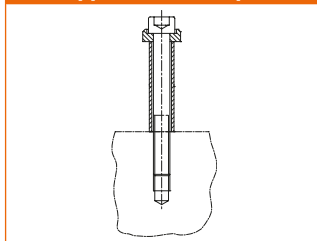
* Remove before assembly
Vor Einbau entfernen
Da rimuovere prima del montaggio



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



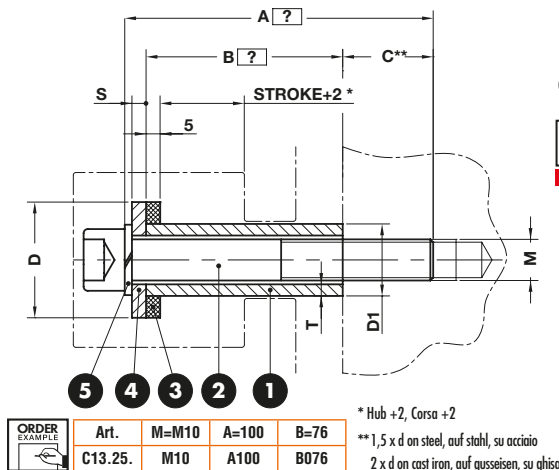
ORDER EXAMPLE	Art.	M=M6	L=70
	C13.24.	M06	070

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 COLLETO

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

PAD RETAINER - HALTEELEMENT - GRUPPO TIRANTE



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



WEB

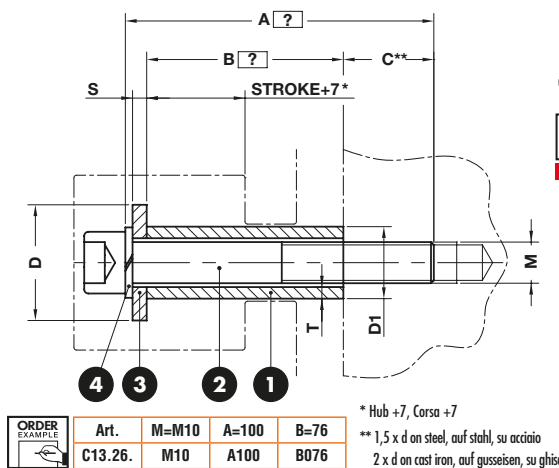


Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

- Material:** St37
- DIN 912 cl. 8.8
- Material:** Elastomer 92SH
- Material:** CK45
- DIN 127

PAD RETAINER - HALTEELEMENT - GRUPPO TIRANTE



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



WEB

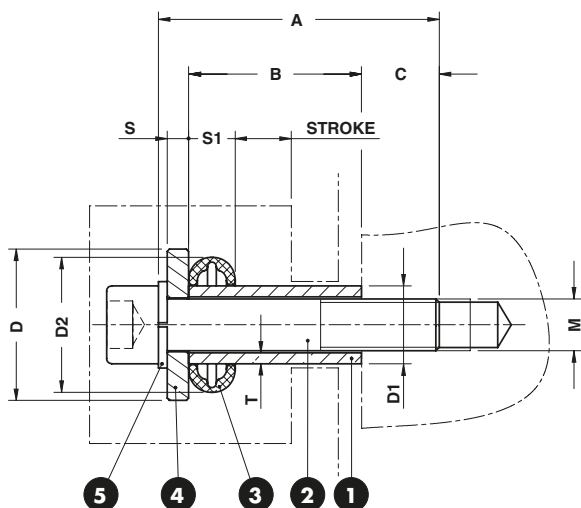


Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

- Material:** St37
- DIN 912 cl. 8.8
- Material:** CK45
- DIN 127

ANTI-REBOUND PAD RETAINER HALTEELEMENT MIT DÄMPFUNG GRUPPO TIRANTE ANTIRIMBALZO



For dimensioning see pages 82-83
Dimensionierung s. Seiten 82-83
Per il dimensionamento vedi pagine 82-83



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



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

Notes

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

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 HALTELEMENT 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 4x M10	2x M12 5x M10	3x M12 7x M10	3x M12 9x M10	2x M16 4x M12	3x M16 5x M12	3x M16 6x M12	2x M20 4x M16	
250	2x M10	3x M10	2x M12 5x M10	3x M12 6x M10	3x M16 4x M12	3x M16 6x M12	2x M20 4x M16	2x M20 5x M16	3x M20 6x M16	3x M20 8x M16	3x M24 4x M20	
500	3x M10	3x M12 6x M10	3x M16 4x M12	3x M16 6x M12	3x M20 5x M16	3x M20 6x M16	3x M24 4x M20	3x M24 4x M20	3x M30 4x M24	3x M30 4x M24	4x M30 5x M24	
750	3x M12	3x M16 5x M10	3x M16 6x M12	3x M20 5x M16	3x M20 7x M16	3x M24 4x M20	3x M24 5x M20	3x M30 4x M24	4x M30 5x M24	4x M30 6x M24	5x M30 7x M24	
1000	3x M12 6x M10	3x M16 5x M12	3x M20 4x M16	3x M20 6x M16	3x M24 4x M20	3x M24 4x M24	3x M30 4x M24	3x M30 5x M24	4x M30 7x M24	4x M30 8x M24	5x M30 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 4x M10	2x M12 5x M10	3x M12 7x M10	3x M12 9x M10	2x M16 4x M12	3x M16 5x M12	3x M16 6x M12	2x M20 4x M16	2x M20 4x M16	2x M20 5x M16
250	2x M10	3x M10	2x M12 5x M10	3x M12 6x M10	3x M16 4x M12	3x M16 6x M12	2x M20 4x M16	2x M20 5x M16	3x M20 6x M16	3x M20 8x M16	3x M24 4x M20	3x M24 5x M20	3x M24 5x M24
500	3x M10	3x M12 6x M10	3x M16 4x M12	3x M16 6x M12	3x M20 4x M16	3x M20 6x M16	3x M24 4x M20	3x M24 4x M20	3x M30 4x M24	3x M30 4x M24	3x M30 5x M24	3x M30 6x M24	4x M30 6x M24
750	3x M12	3x M16 5x M10	3x M16 6x M12	3x M20 5x M16	3x M20 6x M16	3x M24 4x M20	3x M24 5x M20	3x M30 4x M24	3x M30 5x M24	3x M30 6x M24	4x M30 7x M24	4x M30 8x M24	5x M30 9x M24
1000	3x M12 6x M10	3x M16 5x M12	3x M20 4x M16	3x M20 6x M16	3x M24 4x M20	3x M30 4x M24	3x M30 5x M24	3x M30 6x M24	4x M30 7x M24	4x M30 8x M24	5x M30 9x M24	6x M30 11x M24	7x M30 12x M24
1250	4x M12	4x M16 7x M10	4x M20 5x M16	4x M20 7x M16	4x M24 5x M20	4x M24 7x M20	4x M30 8x M24	4x M30 9x M24	5x M30 10x M24	5x M30 11x M24	6x M30 12x M24	7x M30 13x M24	8x M30 14x M24
1500	4x M12 9x M10	4x M16 7x M12	4x M20 6x M16	4x M20 9x M16	4x M24 6x M20	4x M24 9x M20	4x M30 6x M24	4x M30 9x M24	5x M30 10x M24	5x M30 11x M24	6x M30 12x M24	7x M30 13x M24	8x M30 14x M24
1750	4x M16 5x M12	4x M16 8x M12	4x M20 7x M16	4x M24 5x M20	4x M24 5x M24	4x M30 6x M24	4x M30 7x M24	4x M30 9x M24	5x M30 10x M24	5x M30 11x M24	6x M30 12x M24	7x M30 13x M24	8x M30 14x M24
2000	4x M16 6x M12	4x M20 5x M16	4x M20 8x M16	4x M24 6x M20	4x M24 5x M24	4x M30 7x M24	4x M30 8x M24	4x M30 10x M24	5x M30 11x M24	5x M30 12x M24	6x M30 13x M24	7x M30 14x M24	8x M30 15x M24
2500	4x M16 7x M12	4x M20 6x M16	4x M24 5x M20	4x M30 5x M24	4x M30 6x M24	4x M30 8x M24	4x M30 10x M24	4x M30 11x M24	5x M30 12x M24	5x M30 13x M24	6x M30 14x M24	7x M30 15x M24	8x M30 16x M24
3000	4x M16 8x M12	4x M20 7x M16	4x M24 6x M20	4x M30 6x M24	4x M30 7x M24	4x M30 10x M24	4x M30 11x M24	4x M30 12x M24	5x M30 13x M24	5x M30 14x M24	6x M30 15x M24	7x M30 16x M24	8x M30 17x M24
3500	4x M20	4x M24	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30
4000	4x M20	4x M24	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30
4500	4x M20	4x M24	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30
5000	4x M20	4x M24	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30
5500	4x M20	4x M24	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30
6000	4x M20	4x M24	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30	4x M30

Strokes/minute 18÷25

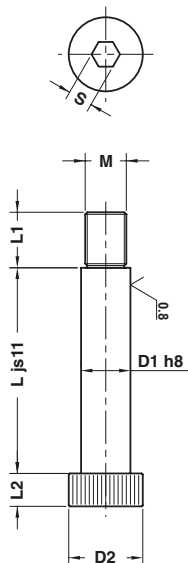
Pressure pad weight (daN)	Pressure pad speed (m/s)												
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3
100	2x M10	2x M10	2x M10	2x M12	2x M12	3x M12	3x M12	2x M16	3x M16	3x M16	2x M20	2x M20	2x M20
250	2x M10	3x M10	2x M12	3x M12	3x M16	3x M16	2x M20	2x M20	3x M20	3x M20	3x M24	3x M24	3x M24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

Standard OMCR

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
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
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
550	3x M10	3x M12	3x M16	3x M20	3x M24	3x M30	4x M30	4x M30	5x M30	6x M30	7x M30	8x M30	8x M30
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
850	3x M12	3x M16	3x M20	3x M24	3x M24	4x M30	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30
1000	3x M12	3x M16	3x M20	3x M24	3x M30	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	11x M30	12x M30
1150	3x M12	3x M16	3x M20	3x M24	3x M30	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30
1300	4x M12	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30	12x M30
1450	4x M12	4x M16	4x M24	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30	12x M30
1600	4x M16	4x M16	4x M24	4x M24	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30		
1850	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30		
2000	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30		
2150	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30	12x M30		
2300	4x M16	4x M24	4x M24	5x M30	7x M30	9x M30	11x M30						
2450	4x M16	4x M24	4x M30	5x M30	7x M30	9x M30	12x M30						
2600	4x M16	4x M24	4x M30	6x M30	8x M30	10x M30	12x M30						

COLLAR SCREW - SCHULTER-PASSCHRAUBE - VITE CON COLLETO



WEB

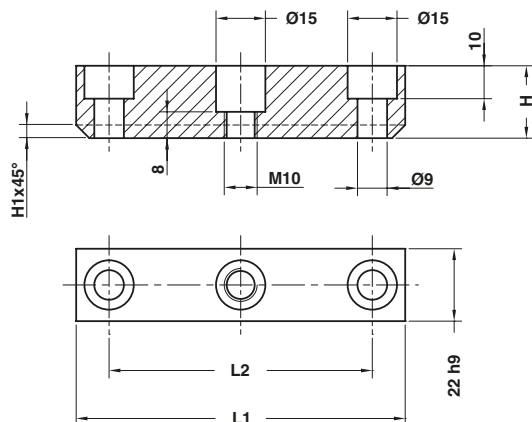
Notes

Material: Steel cl. 12.9

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



Notes

Material: CK45

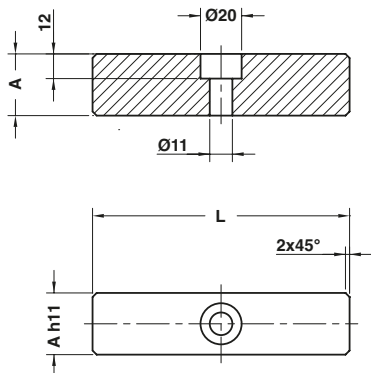
Standard OMCR



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

KEY - PASSFEDER - CHIAVETTA DI REAZIONE



STOCK



WEB



Notes

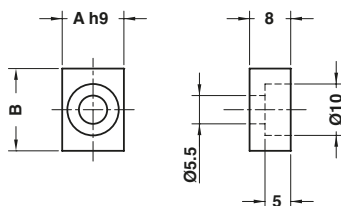
Material: CK45

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

RETAINER - HALTESTÜCK - RITEGNO PER MATRICE



STOCK



WEB



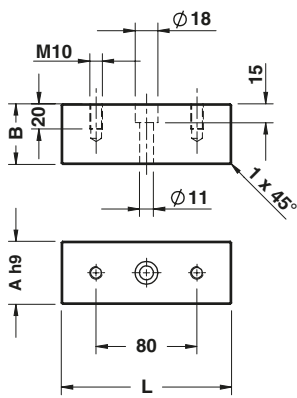
Notes

Material: CK45

Art.	A=12	B=16
C14.11.	12	16

OMCR CODE	A	B
C14.11.1216	12	16

KEY - PASSFEDER - CHIAVETTA DI REAZIONE



Notes

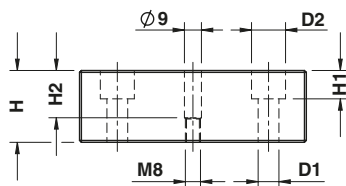
Material: CK45

Standard OMCR

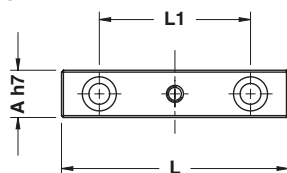
	Art.	A=50	L=135
	C14.20.	50	135

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

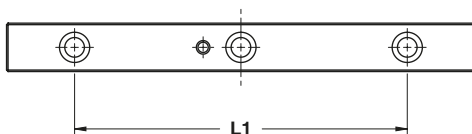
KEY - PASSFEDER - CHIAVETTA DI REAZIONE



TYPE 01



TYPE 02



Notes

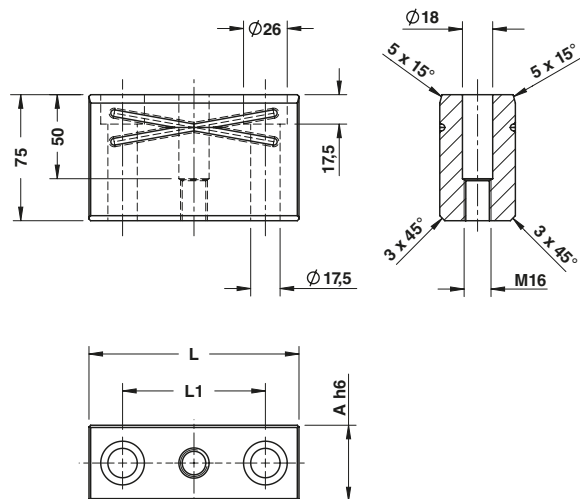
Material: CK45



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

LOCATING BLOCK - FANGBACKE - TASSELLO DI CENTRAGGIO



WEB

Notes

Material: 16MnCr5 - HRC: 60÷62

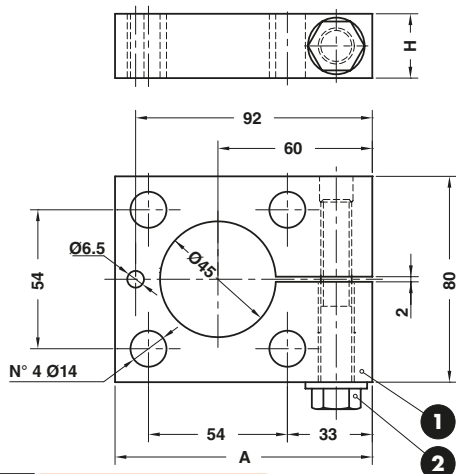
Standard OMCR



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

CLAMP - BEFESTIGUNGSELEMENT - MORSETTO

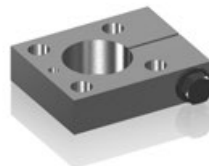


Art.	A=100	H=25
C15.10.	100	25

OMCR CODE	A	H
C15.10.10025	100	25



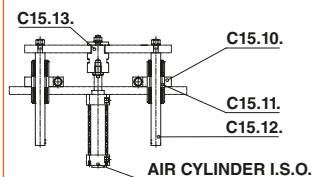
WEB



Notes

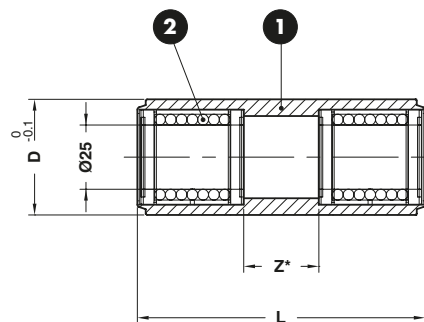
- 1 Material: CK45
- 2 M12 x 70 DIN 931

Application example



C15.11

SLEEVE - FÜHRUNGSEINHEIT - CANOTTO GUIDA



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

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

* Fixing zone
Befestigungsbereich Klammer
Zona di fissaggio



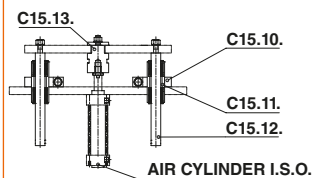
WEB



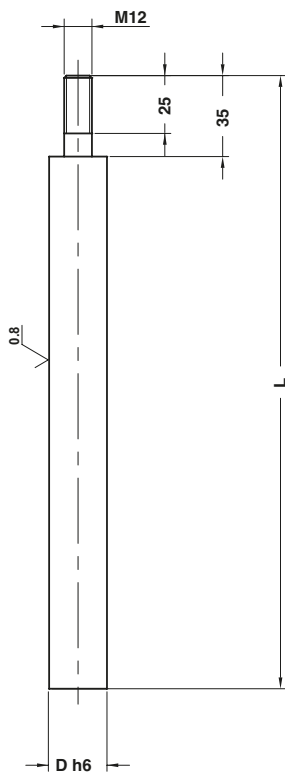
Notes

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

Application example



GUIDE POST - FÜHRUNGSSAULE - COLONNA

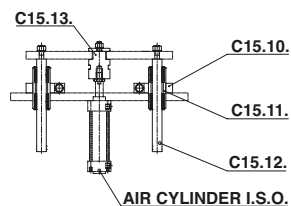


WEB

Notes

Material: CK45**HRC:** 60÷62

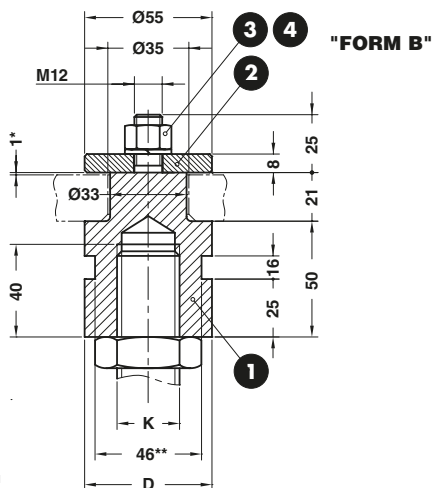
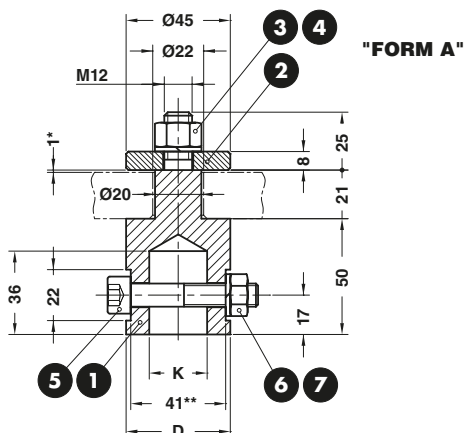
Application example



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



* Backlash
Spiel
Gioco

** Spanner
Schlüssel
Chiave

*** Rackwork
Zahnstange-antreib
Sollervatore a cremagliera



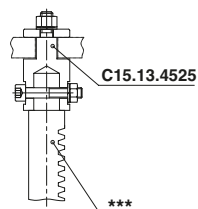
STOCK



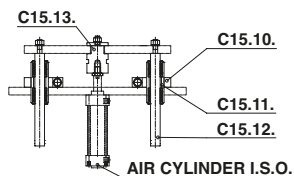
Notes

- 1 2 Material:** CK45
- 3** M12 DIN 934
- 4** Ø12 DIN 127B
- 5** M10x55 DIN 912
- 6** M10 DIN 934
- 7** Ø10 DIN 127B

Application example FORM A



Application example FORM B

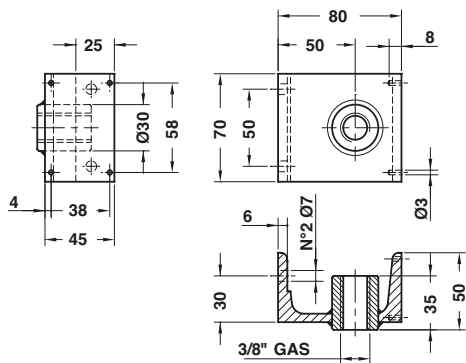


Art.	D=45	K=25
C15.13.	45	25

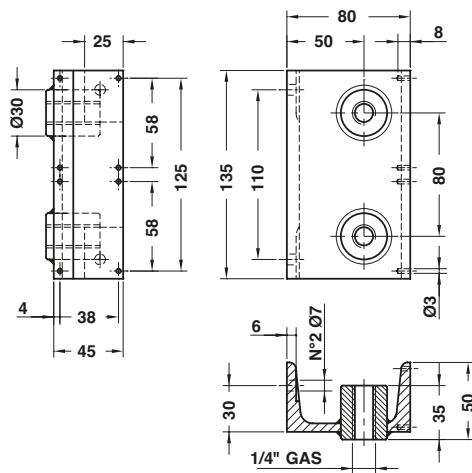
OMCR CODE	D	K	FORM
C15.13.4525	45	25	A
C15.13.5516	55	M16x1,5	B
C15.13.5520	55	M20x1,5	B
C15.13.5527	55	M27x2	B

AIR COUPLING BRACKET - LUFTANSCHLUSSBLOCK - SUPPORTO INNESTI RAPIDI

"FORM A"



"FORM B"



Notes

Material: Si37



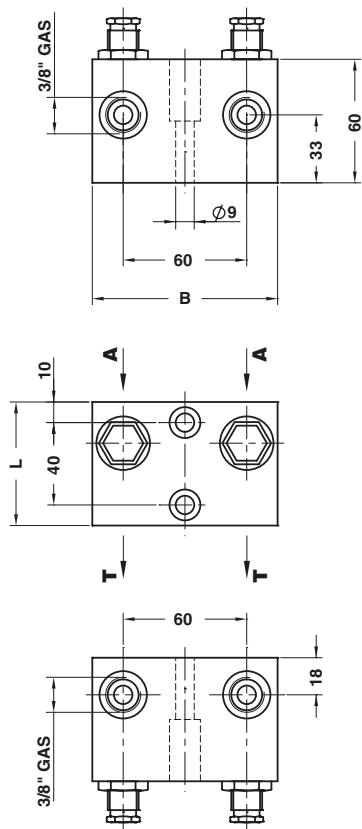
Arl.	FORM
C15.14.	A

OMCR CODE

FORM

C15.14.	A
C15.14.	B

FLUX CONTROL - VERTEILERBLOCK - REGOLATORE DI FLUSSO



STOCK



WEB

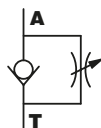
Notes

Material: CK45ORDER
EXAMPLE

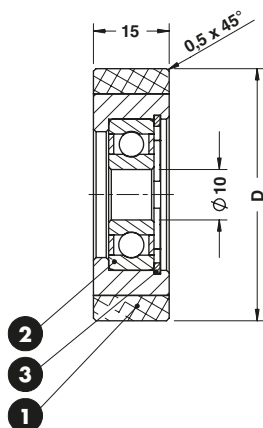
Art.	A=60	B=90
C15.15.	60	90

OMCR CODE

	A	B
C15.15.6090	60	90



ROLLER - ROLLE - ROTELLA



STOCK



WEB



Notes

- 1 **Material:** Steel+Vulkolan
- 2 Roller Bearing 6200 2RS
- 3 ISO DIN472

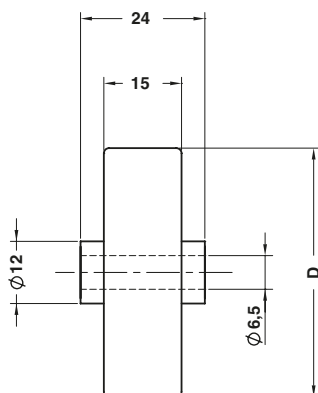


Art.	D=50
C16.18.	50

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

Standard OMCR

ROLLER - ROLLE - ROTELLA



STOCK



WEB

Notes

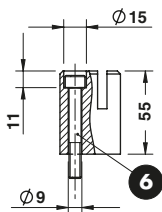
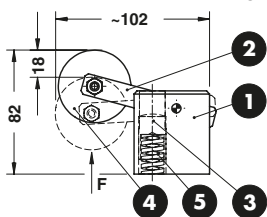
Material: Steel

Art.	D=48
C16.19.	48

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

ROLLER STOCK LIFTER - FEDERINDE LAUFROLLE - RULLINO SOLLEVAMENTO NASTRO

TYPE 01



Notes

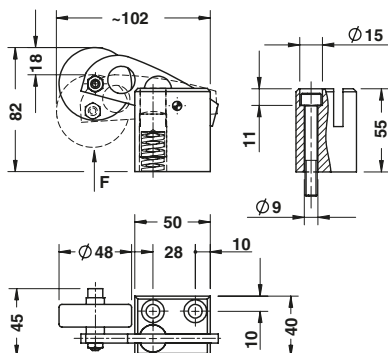
- 1 Material: C15
- 2 Material: S235JRG2K
- 3 Material: 42CrMo4
- 4 C16.19.48
- 5 Spring
- 6 Screws M8x60 DIN 912



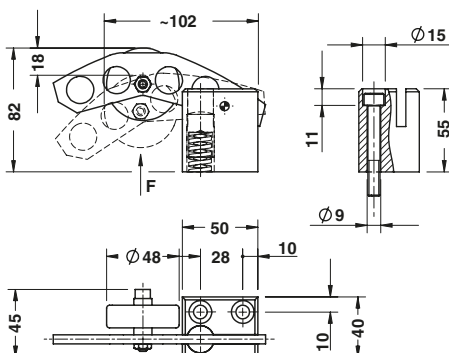
Art.	TYPE
C16.20.	01

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

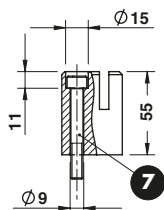
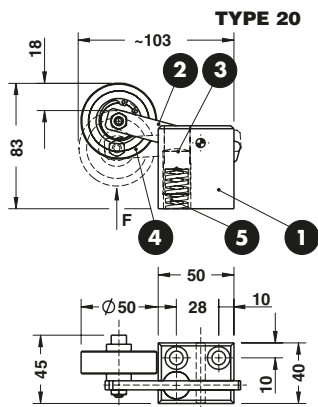
TYPE 03



TYPE 04



ROLLER STOCK LIFTER - FEDERINDE LAUFROLLE - RULLINO SOLLEVAMENTO NASTRO



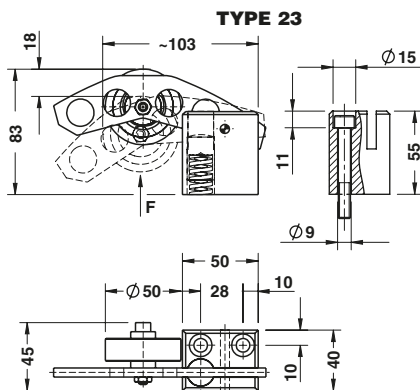
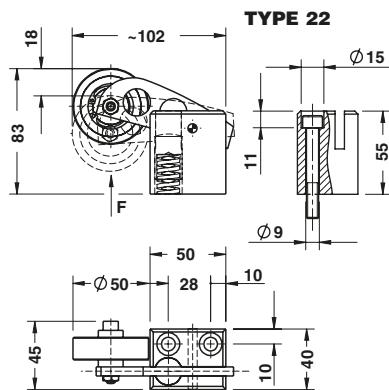
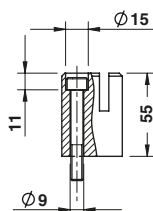
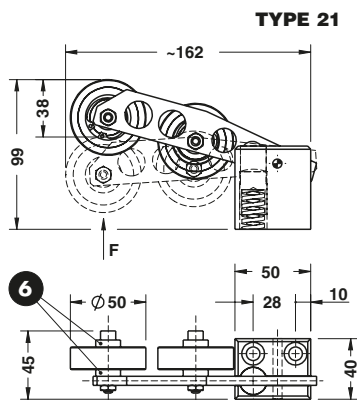
Notes

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

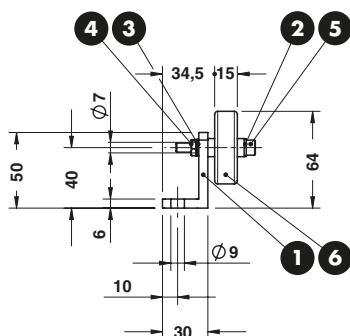
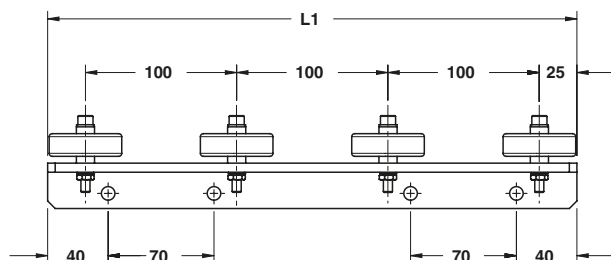
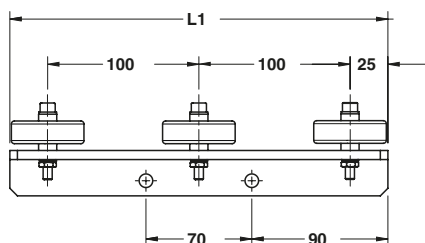
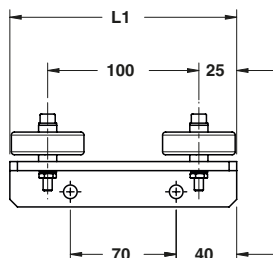


Art.	TYPE
C16.20.	20

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



ROLLER GROUP - FÖRDERROLLE - GRUPPO RULLINI



STOCK



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



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

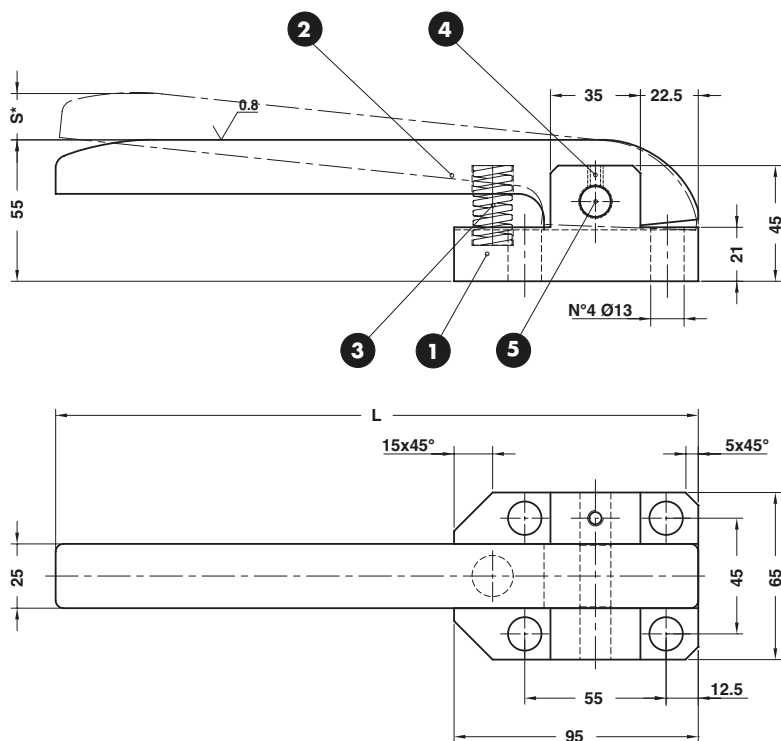
- 1 Material: CK45
- 2 Material: Bronze - HB>190
- 3 SPRING
- 4 M6x8 DIN 913
- 5 Ø12x60 DIN 6325



STOCK



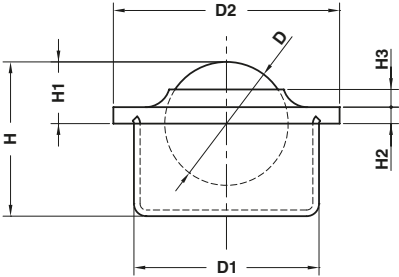
WEB



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



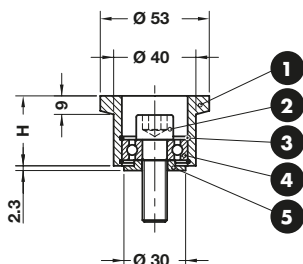
Notes

Material: Steel

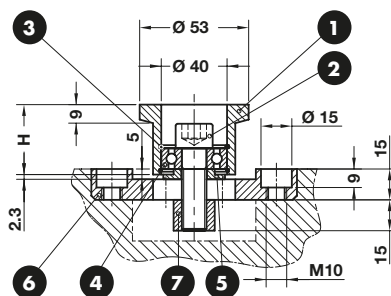
	Art.	D=15
	C16.26.	15

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

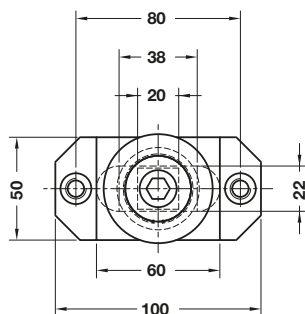
COIL GUIDE ROLLER - FÜHRUNGSROLLE - GUIDA NASTRO



TYPE 01



TYPE 02



Art.	TYPE	H=17
C16.27.	01	17

OMCR CODE	TYPE	H
C16.27.01.17	01	17
C16.27.01.34	01	34
C16.27.01.54	01	54
C16.27.02.17	02	17
C16.27.02.34	02	34
C16.27.02.54	02	54

TYPE 01



WEB

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



WEB

Notes TYPE 02

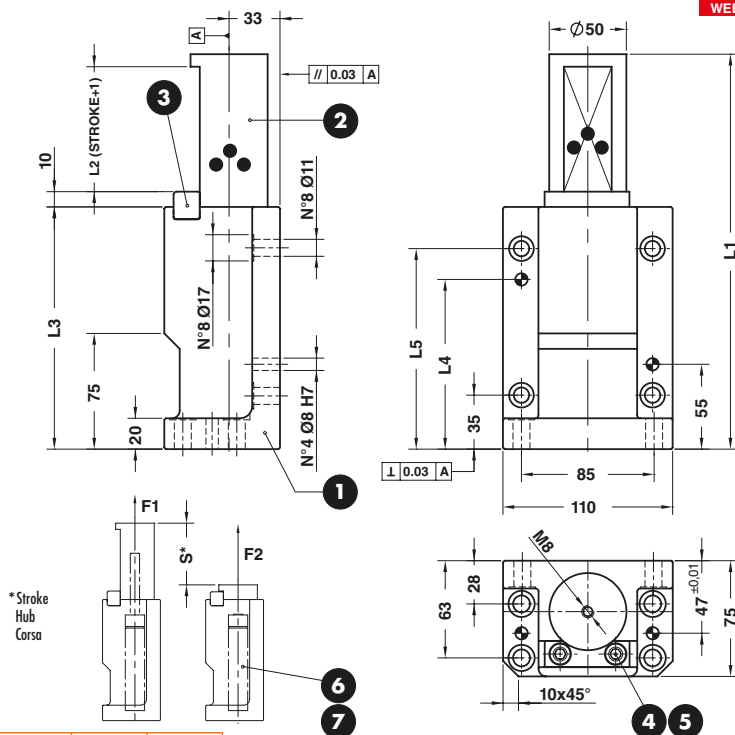
- 1 **Material:** 16MnCr5 - HRC: 55÷58
- 2 M12x40 DIN 472
- 3 I32 DIN 472
- 4 6201 2Z VA DIN 625
- 5 **Material:** CK45
- 6 **Material:** St37
- 7 **Material:** CK45

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

- 1 Material:** EN-GJL300
- 2 Material:** Bronze + Graphite - **HB**>190
- 3 Material:** 36NiCrMo4
- 4** M8x30 DIN 912
- 5** Schnorr Ø8
- 6** Gas Spring
- 7** M6x12 DIN 7991

**STOCK**

WEB



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

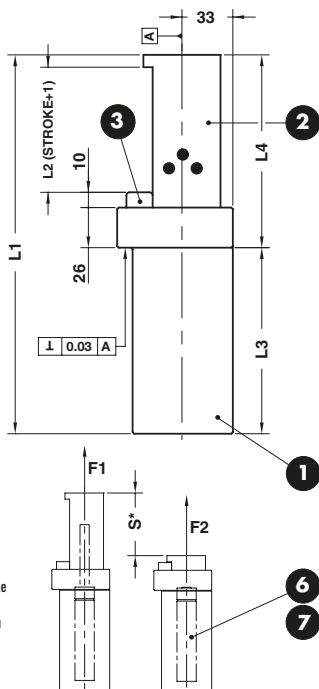
- 1 **Material:** EN-GJL300
- 2 **Material:** Bronze + Graphite - HB>190
- 3 **Material:** 36NiCrMo4
- 4 M8x30 DIN 912
- 5 Schnorr Ø8
- 6 Gas Spring
- 7 M6x12 DIN 7991



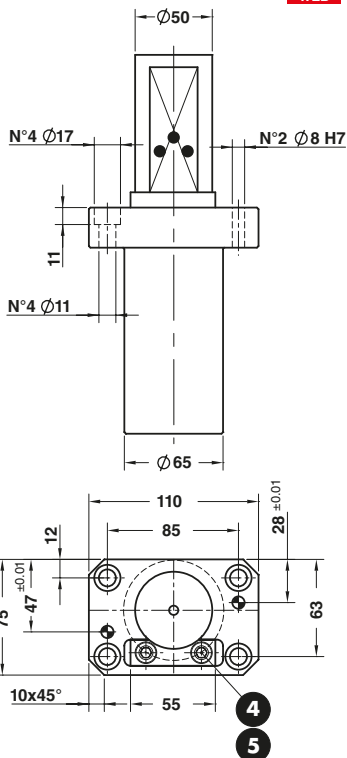
STOCK



WEB



* Stroke
Hub
Corsa



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

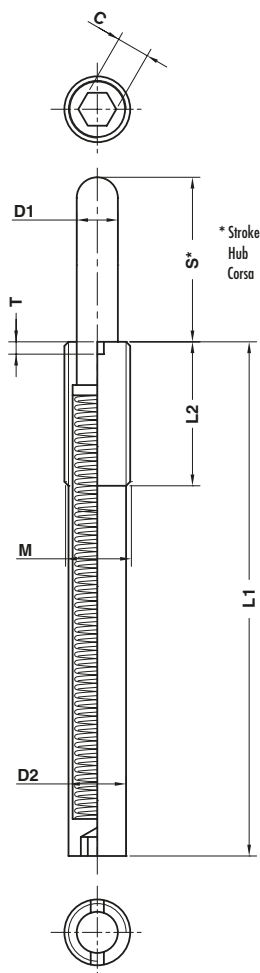
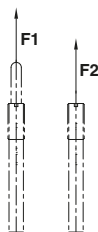
OMCR CODE	F1 (daN)	F2 (daN)	L1	L2	L3	L4	S
C16.31.50050	50	86	196	51	101	95	50
C16.31.50100	100	172	196	51	101	95	50
C16.31.50150	150	258	196	51	101	95	50
C16.31.50200	200	344	196	51	101	95	50
C16.31.80050	50	86	256	81	131	125	80
C16.31.80100	100	172	256	81	131	125	80
C16.31.80150	150	258	256	81	131	125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



WEB

Notes

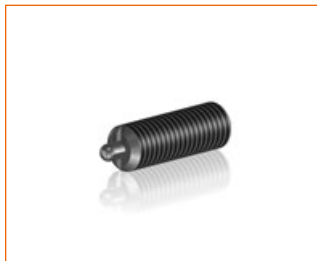
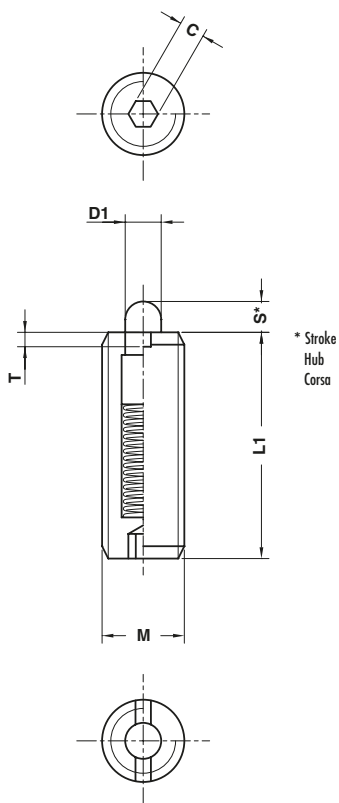
Material: Steel



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

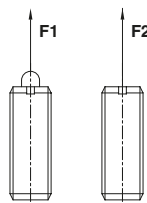
OMCR CODE	C	D1	D2	F1 (N)	F2 (N)	L1	L2	M	S	T
C16.40.M1210	4	5,5	9,5	7	40	45	35	M12	10	2
C16.40.M1615	5	8	13,4	15	80	60	35	M16	15	3
C16.40.M1620	5	8	13,4	17	80	85	35	M16	20	3
C16.40.M1630	5	8	13,4	20	80	125	35	M16	30	3
C16.40.M1640	8	8	13,4	20	80	125	35	M16	40	3
C16.40.M1650	8	8	13,4	30	100	155	35	M16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



Notes

Material: Steel



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

Technical drawing of the HRC 36 H7/f7 hydraulic cylinder, showing side and cross-sectional views with dimensions in millimeters.

Side View Dimensions:

- Total length: L
- Stroke: S
- Port F1 (bottom)
- Port F2 (top)
- Stroke Hub Corsa

Cross-sectional View Dimensions:

- Top flange: $M12$
- Flange thickness: 35
- Flange diameter: $\varnothing 30$
- Flange to piston distance: 43
- Piston rod diameter: $\varnothing 18$
- Piston rod length: $L1$
- Piston rod to bottom flange distance: $L3$
- Bottom flange diameter: $\varnothing 26$
- Bottom flange to piston distance: $L2$
- Bottom flange thickness: 14
- Bottom flange diameter: $\varnothing 36 H7/f7$
- Bottom flange to piston distance: $45 m6$

Component List:

1. Piston
2. Piston rod
3. Piston seal
4. Piston seal
5. Piston seal
6. Piston seal

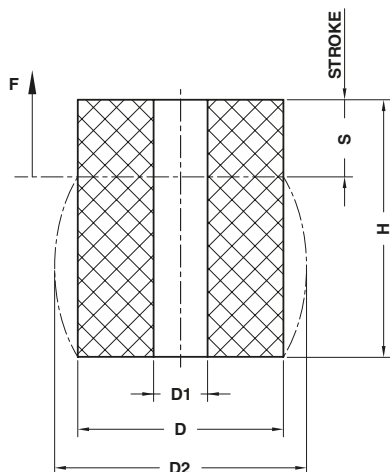


- 1 Material:** CK45 - **HRC:** 58÷62
- 2 Material:** Bronze+Graphite - **HB**>190
- 3** Gas Spring
- 4** DIN 472
- 5** M10x60 DIN 912
- 6 Material:** 90MnCrV8 - **HRC:** 54÷60

	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



WEB



S = max. 30% H

Notes

Material: Elastomer 92SH

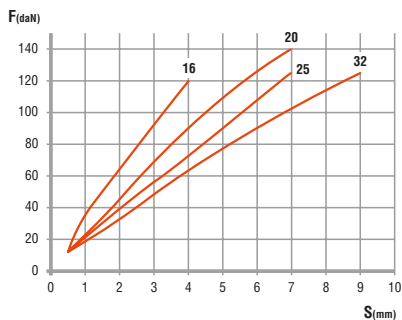
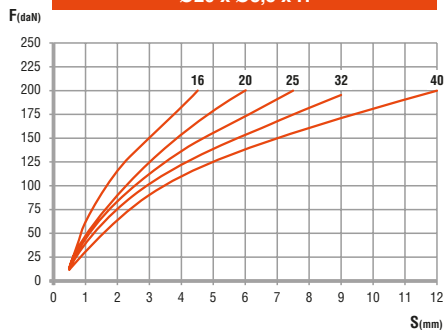
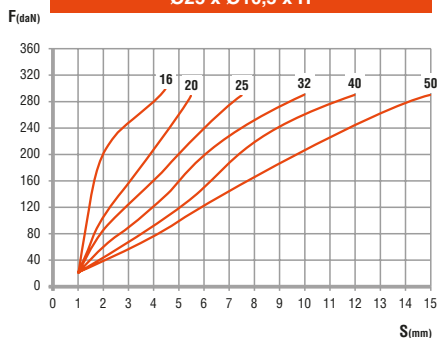
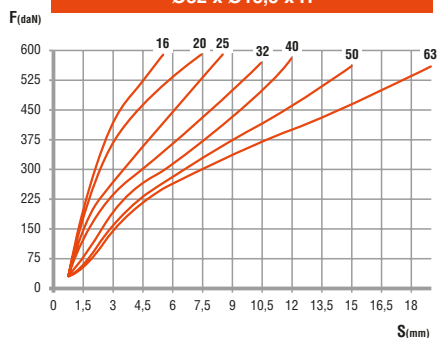
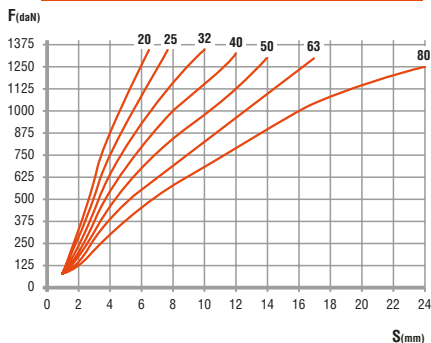
Art.	D=63	H=80
C17.10.	063	080

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

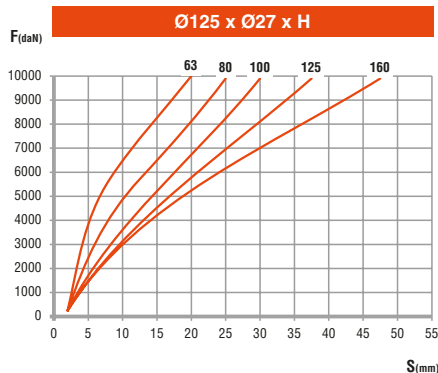
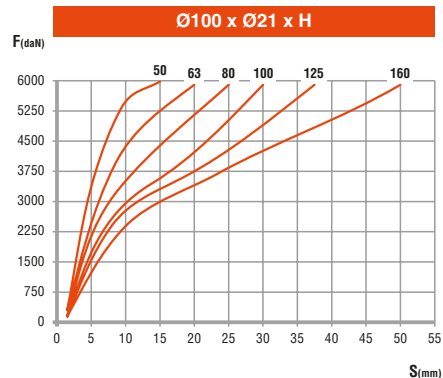
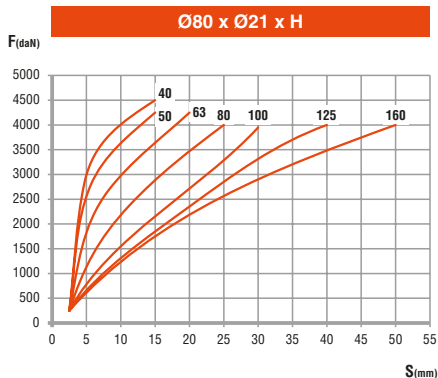
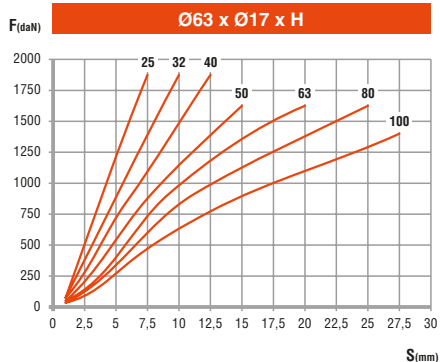
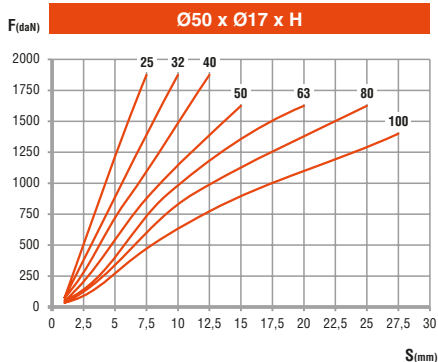
H	16	20	25	32	40	50	63	80	100	125
16	•	•	•	•						
20	•	•	•	•	•					
25	•	•	•	•	•	•				
32	•	•	•	•	•	•	•			
40		•	•	•	•	•	•	•		
50			•	•	•	•	•	•	•	
63				•	•	•	•	•	•	•
80					•	•	•	•	•	•
100						•	•	•	•	•
125							•	•	•	•
160								•	•	•

S	4,8	6	7,5	9,6	12	15	19	24	30	37,5	48
4,8	•	•	•	•							
6	•	•	•	•	•						
7,5	•	•	•	•	•	•					
9,6	•	•	•	•	•	•	•				
12		•	•	•	•	•	•	•			
15			•	•	•	•	•	•	•		
19				•	•	•	•	•	•	•	
24					•	•	•	•	•	•	•
30						•	•	•	•	•	•
37,5							•	•	•	•	•
48								•	•	•	•

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

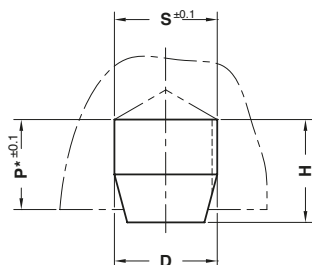
Ø16 x Ø6,5 x H**Ø20 x Ø8,5 x H****Ø25 x Ø10,5 x H****Ø32 x Ø13,5 x H****Ø40 x Ø13,5 x H**

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



ELASTOMER CAP - ELASTOMERDRUCKSTÜCK - PUNTALINO IN ELASTOMERO

* Seat
Sitz
Sede



STOCK



WEB



Notes

Material: Elastomer 92SH

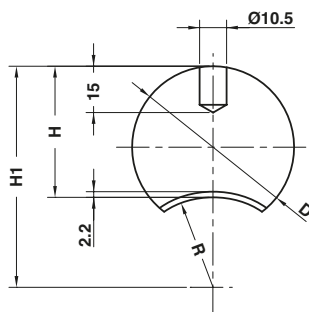
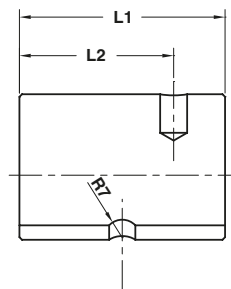


Art.	S=6	H=10
C17.20.	06	10

OMCR CODE	D	F max. (N)	H	P	S
C17.20.0610	6,2	100	10	8	6
C17.20.1015	10,3	450	15	13	10
C17.20.1625	16,4	1500	25	21	16
C17.20.2425	24,7	3000	25	20	24
C17.20.4040	40,8	25000	40	35	40

C17.21

SHOCK ABSORBER - HALTELEMENT - AMMORTIZZATORE



WEB

STOCK



Notes

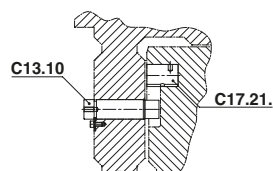
Material: Elastomer 92SH



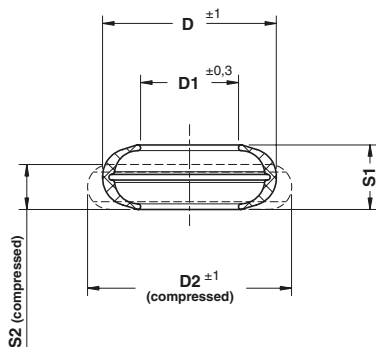
Art.	D=50	L1=80
C17.21.	50	80

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

Application example



ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO



WEB

Notes
Material: CO-Polyester Elastomer

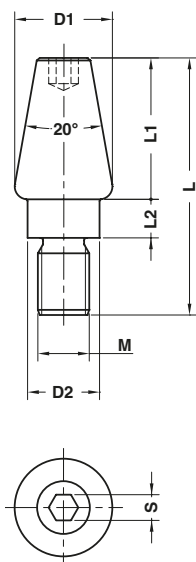
Standard OMCR



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

OMCR CODE	D	D1	D2	F max. (daN)	S1	S2
C17.27.262077	26,4	16,3	28,4	550	7,8	5,5
C17.27.321108	32,1	20,3	35,1	900	10,8	6,0
C17.27.463177	45,8	25,3	49,8	2000	17,0	11,6
C17.27.546216	54,6	30,3	61,8	3000	21,3	13,0
C17.27.618215	61,8	36,3	69,9	4600	21,5	13,2
C17.27.782300	78,5	42,8	89,0	7500	29,4	17,9

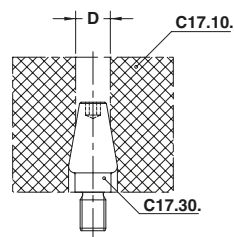
ELASTOMER SPRING PIN - AUFNAHMEBOLZEN - PERNO PER MOLLE IN ELASTOMERO



Notes

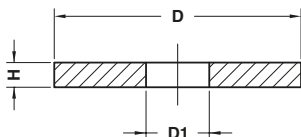
Material: CK45

Application example



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

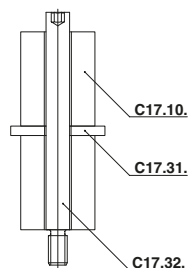
OMCR CODE	D	D1	D2	L	L1	L2	M	S
C17.30.28M12	17	28	19	56	30	8	M12	6
C17.30.32M16	21	32	22	74	40	10	M16	8
C17.30.38M20	27	38	28	100	55	15	M20	10



Notes

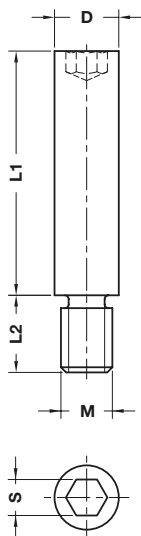
Material: CK45

Application 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

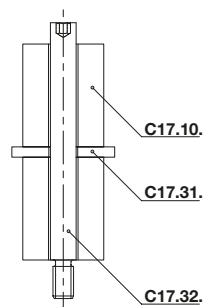


WEB

Notes

Material: CK45

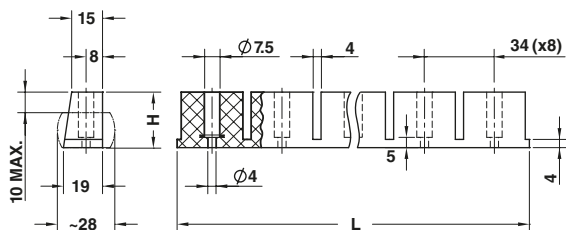
Application example



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



STOCK



WEB

Notes

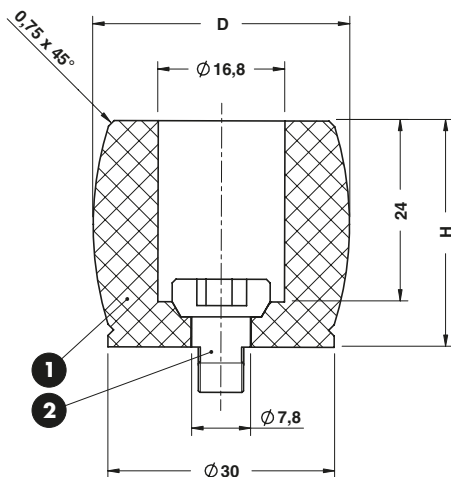
Material: Elastomer 70 SH



Art.	H=27	L=306
C17.40.	27	306

OMCR CODE	H	L
C17.40.27306	27	306

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO



STOCK



WEB

Notes

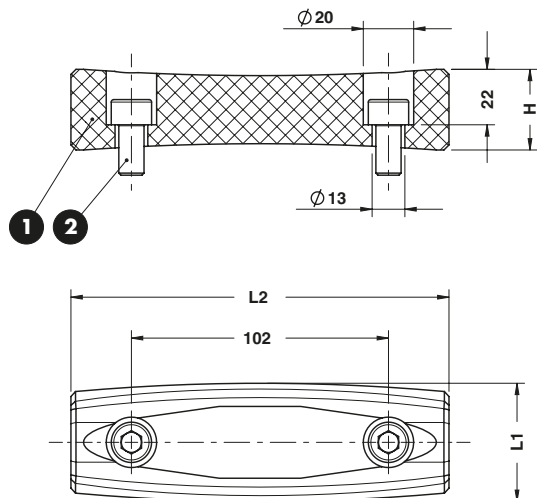
- 1 Material:** CO-Polyester Elastomer
- 2** Screw



Art.	D=34	H=30
C17.51.	34	30

OMCR CODE	D	H
C17.51.3430	34	30

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO



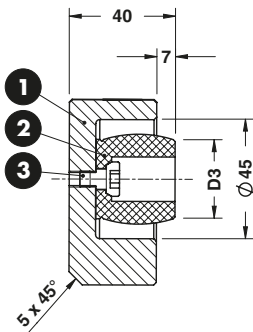
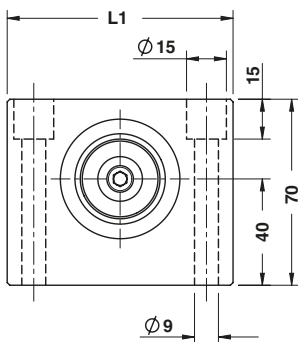
Notes

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



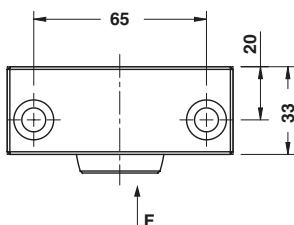
Art.	H=32	L1=47	L2=150
C17.52.	32	47	150

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



Notes

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

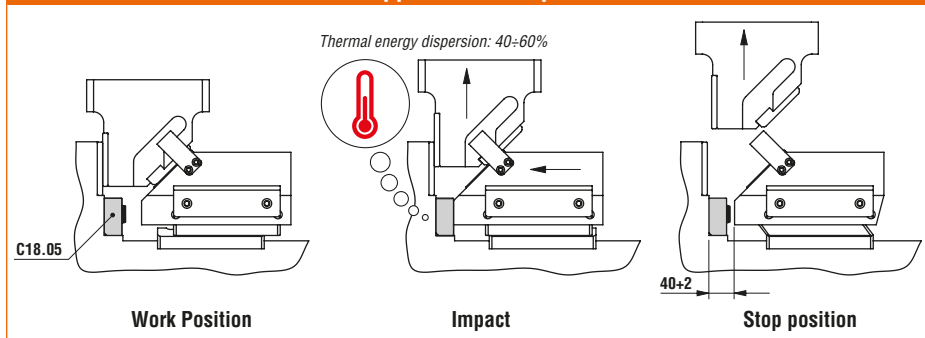


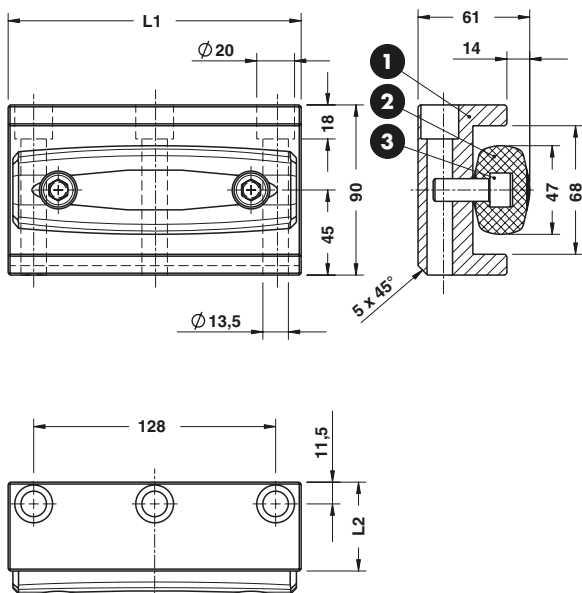
Art.	L1=85	D3=30
C18.05.	85	30

* Maximum absorbed energy
Energieaufnahme
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





Notes

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



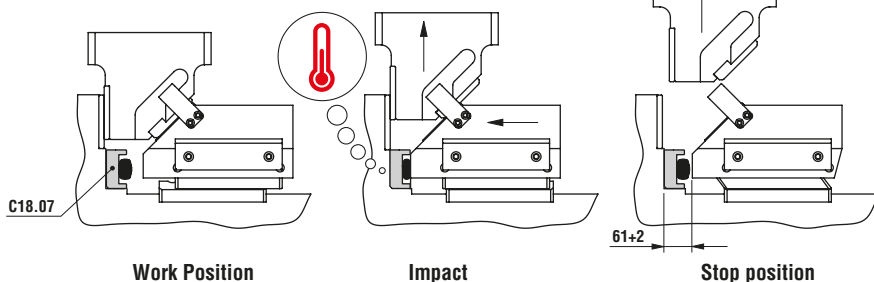
Art.	L1=155	L2=47
C18.07.	155	47

* Maximum absorbed energy
Energieaufnahme
Massima energia assorbita

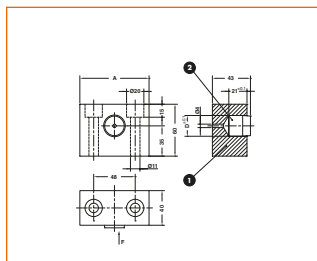
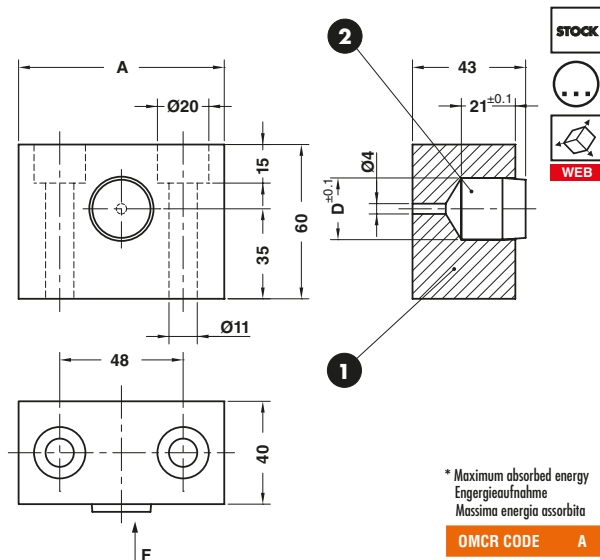
OMCR CODE	L1	L2	F max (kN)	Max Energy Absorbed (J)*	Max Stroke (mm)
C18.07.15547	155	47	47	160	14

Application example

Thermal energy dispersion: 40÷60%



SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA



Notes

- 1 Material: CK45
- 2 C17.20.2425

* Maximum absorbed energy
Energieaufnahme
Massima energia assorbibile

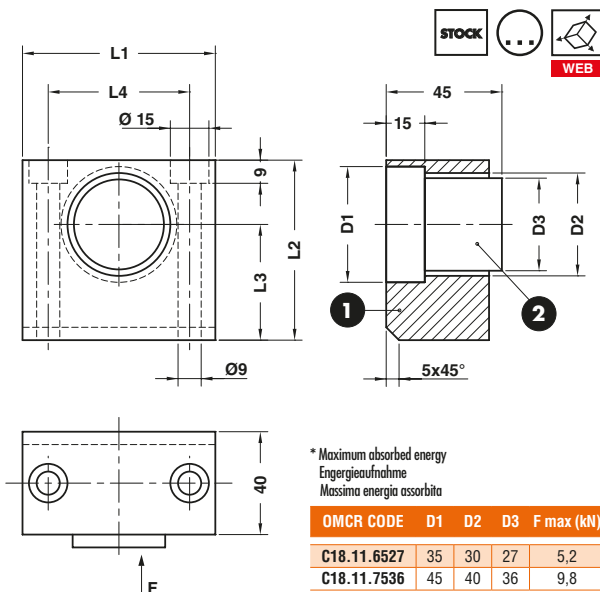


Art.	A=80	D=24
C18.10.	80	24

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

C18.11

SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA



Notes

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

* Maximum absorbed energy
Energieaufnahme
Massima energia assorbibile



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

Technical drawing of a mechanical part, showing front and side views with dimensions and tolerances.

Front View (Left):

- Overall width: A
- Overall height: 30
- Top surface: $Cx45^\circ$
- Material: **HRC**
- Feature **A** (top center)
- Feature **10 H7** (bottom center)
- Feature **L** (bottom left and right)
- Dimension 25 ± 0.01 (left side)
- Dimension 10 (bottom right)
- Dimension B (bottom width)

Side View (Right):

- Overall width: 29
- Overall height: 18
- Top surface: 20
- Feature **L** (top left)
- Feature **11** (top right)
- Feature **Ø11** (bottom left)
- Feature **Ø18** (bottom right)
- Dimension 20 (top right)
- Dimension 11 (middle right)
- Dimension 18 (bottom left)
- Dimension 29 (top width)
- Dimension 20 (top right)
- Dimension 11 (middle right)
- Dimension $Ø11$ (bottom left)
- Dimension $Ø18$ (bottom right)

Surface Finish:

- Surface **L**: 0.03
- Surface **A**: 0.03

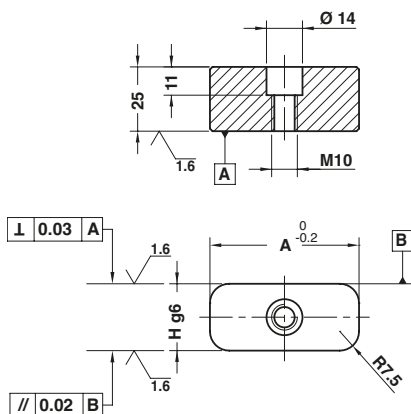


Material: CK45 - **HRC:** 52÷54

	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

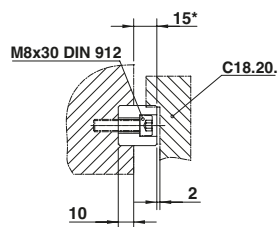


WEB

Notes

Material: 90MnCrV8 - HRC: 58÷60

Application 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

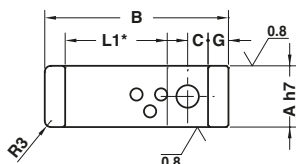
STOCK



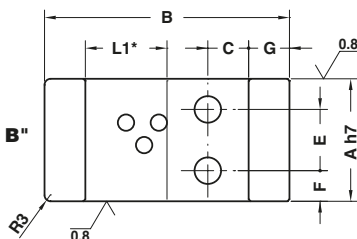
WEB



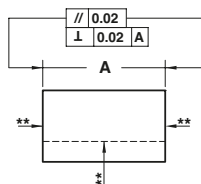
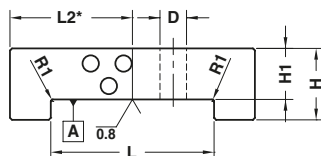
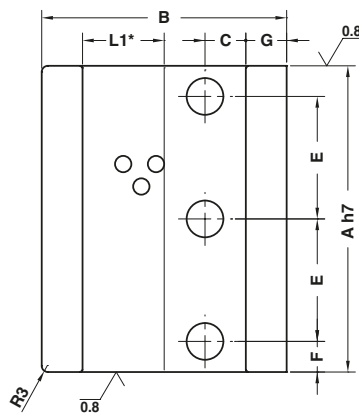
"FORM A"



"FORM B"



"FORM C"



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

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

** Sliding Surface / Geißfläche / 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
C18.25.100120	100	120	20	18	70	15	20	35	25	80	40	60	B
C18.25.100140	100	140	20	18	70	15	20	35	25	100	60	80	B
C18.25.100160	100	160	20	18	70	15	20	35	25	120	80	100	B
C18.25.150120	150	120	20	18	60	15	20	35	25	80	40	60	C
C18.25.150140	150	140	20	18	60	15	20	35	25	100	60	80	C
C18.25.150160	150	160	20	18	60	15	20	35	25	120	80	100	C
C18.25.150180	150	180	20	18	60	15	20	35	25	140	100	120	C