



Die Components OMCR
OMCR Normalien
Componenti OMCR

OMCR[®]
STANDARD DIE COMPONENTS

2018.01

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.



OMCR®

STANDARD DIE COMPONENTS



Norms: BMW - MERCEDES BENZ - FCA
FORD - OPEL - PSA - RENAULT - VW/AUDI - VOLVO

<p>C10.09</p> 	<p>C10.10</p> 	<p>C10.11</p> 	<p>C10.12</p> 	<p>C10.13</p> 
<p>BMW-MERCEDES-BENZ- FCA-FORD-OPEL-VW/AUDI</p>	<p>BMW-MERCEDES-BENZ- FCA-FORD-OPEL-VW/AUDI</p>			<p>MERCEDES-BENZ</p>
<p>Gage hardened Einweiser gehärtet Riferimento indurito</p>	<p>Gage Einweiser Riferimento</p>	<p>Gage for sensor Einweiser für Teilagekontrolle Riferimento per sensore</p>	<p>Gage Einweiser Riferimento</p>	<p>Gage hardened Einweiser gehärtet Riferimento indurito</p>
<p>21</p>	<p>22</p>	<p>23</p>	<p>24</p>	<p>25</p>
<p>C10.14</p> 	<p>C10.15</p> 	<p>C10.16</p> 	<p>C10.20</p> 	<p>C10.25</p> 
<p>MERCEDES-BENZ</p>	<p>BMW - FCA</p>	<p>VW/AUDI</p>	<p>FCA - OPEL</p>	<p>VW/AUDI</p>
<p>Gage Einweiser Riferimento</p>	<p>Gage for sensor Einweiser für Teilagekontrolle Riferimento per sensore</p>	<p>Gage Feineinweiser Riferimento di precisione</p>	<p>Front gage Einlaufanschlag Portasensore</p>	<p>Support for sensor Lagekontrolle für Platinen Supporto sensore</p>
<p>25</p>	<p>26</p>	<p>27</p>	<p>28</p>	<p>29</p>
<p>C10.90</p> 	<p>C10.91</p> 	<p>C10.95</p> 	<p>C11.09</p> 	<p>C11.11</p> 
<p>Sensor Induktive sensor Sensore</p>	<p>Connector Steckverbinder Connettore</p>	<p>VW/AUDI</p>	<p>FCA - VW/AUDI</p>	<p>FCA - VW/AUDI</p>
<p>30</p>	<p>31</p>	<p>Plate for sensor Halterung Piastrina portasensore</p>	<p>Locating cone Kegeldistanz Cono di centraggio</p>	<p>Locating cone Kegeldistanz Cono di centraggio</p>
<p>30</p>	<p>31</p>	<p>32</p>	<p>34</p>	<p>36</p>
<p>C11.12</p> 	<p>C11.20</p> 	<p>C11.30</p> 	<p>C11.40</p> 	<p>C11.45</p> 
<p>FCA</p>	<p>BMW - VW/AUDI</p>	<p>VW/AUDI</p>	<p>FCA-PSA-RENAULT</p>	<p>FCA-PSA-RENAULT</p>
<p>Locating pin Zentrierbolzen Perno di centraggio</p>	<p>Locating pin Zentrierbolzen Perno di centraggio</p>	<p>Visual locator setting punch Endkontrollstempel Punzone di visualizzazione</p>	<p>Stamp retainer Halteplatte Portatimbrì</p>	<p>Backing plate Druckplatte Reazione</p>
<p>38</p>	<p>38</p>	<p>39</p>	<p>40</p>	<p>41</p>

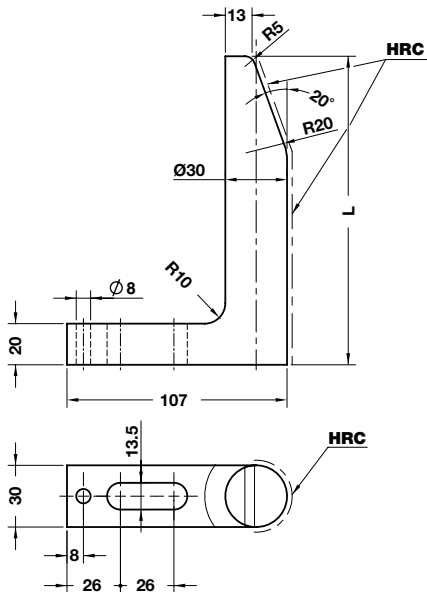
<p>C11.50</p> <p>FCA-PSA-RENAULT</p> <p>Stamp Buchstabenstempel Punzone marchio</p> <p>42</p>	<p>C11.51</p> <p>FCA - PSA - RENAULT</p> <p>Stamp Buchstabenstempel Punzone marchio</p> <p>43</p>	<p>C12.10.?</p> <p>BMW - FORD - OPEL</p> <p>Air pin Druckbolzen Candela</p> <p>44</p>	<p>C12.11.?</p> <p>VW/AUDI</p> <p>Air pin Unterluftbolzen Candela</p> <p>45</p>	<p>C12.12</p> <p>BMW - MERCEDES BENZ</p> <p>Air pin Unterluftbolzen Candela</p> <p>47</p>
<p>C12.12</p> <p>BMW - MERCEDES BENZ</p> <p>Air pin Unterluftbolzen Candela</p> <p>48</p>	<p>C12.12</p> <p>BMW - MERCEDES BENZ</p> <p>Air pin Unterluftbolzen Candela</p> <p>49</p>	<p>C12.12.?</p> <p>BMW - MERCEDES BENZ</p> <p>Air pin Unterluftbolzen Candela</p> <p>50</p>	<p>C12.16</p> <p>BMW VW/AUDI</p> <p>Spacer plate toothed Distanzplatte gezahnt Tassello di compensazione</p> <p>51</p>	<p>C12.20</p> <p>FCA</p> <p>Compensation block Abstandsblock Tassello di compensazione</p> <p>52</p>
<p>C12.21</p> <p>Shim Ausgleichsleib Spessore</p> <p>52</p>	<p>C12.22</p> <p>OPEL</p> <p>Pressure plate Druckplatte Piastra di reazione</p> <p>53</p>	<p>C12.23</p> <p>Pressure plate Druckplatte Piastra di reazione</p> <p>53</p>	<p>C12.25</p> <p>FORD</p> <p>Balance block Distanzstück Distanziale</p> <p>54</p>	<p>C12.26</p> <p>RANGE EXTENSION</p> <p>VW/AUDI</p> <p>Balance block Distanzstück Distanziale</p> <p>56</p>
<p>C12.26.?</p> <p>VW/AUDI</p> <p>Balance block Distanzstück Distanziale</p> <p>58</p>	<p>C12.27</p> <p>RANGE EXTENSION</p> <p>VW/AUDI</p> <p>Balance block Distanzstück Distanziale</p> <p>60</p>	<p>C12.27.?</p> <p>VW/AUDI</p> <p>Balance block Distanzstück Distanziale</p> <p>62</p>	<p>C12.30</p> <p>VW/AUDI</p> <p>Spacing bar Abstellbolzen Distanziale</p> <p>64</p>	<p>C12.30.?</p> <p>VW/AUDI</p> <p>Spacing bar Abstellbolzen Distanziale</p> <p>66</p>

<p>C13.10</p> 	<p>C13.11</p> 	<p>C13.20.?</p> 	<p>C13.24</p> 	<p>C13.25.?</p> 
<p>VW/AUDI</p>	<p>VW/AUDI</p>	<p>FCA - FORD</p>		
<p>Pad retainer pin VDI 3365 Steckbolzen VDI 3365 Perno di arresto VDI 3365</p>	<p>Pad retainer pin VDI 3365 Steckbolzen VDI 3365 Perno di arresto VDI 3365</p>	<p>Retainer bolt Zugbolzensatz Gruppo tirante</p>	<p>Ground collar screw Schraube mit distanzrohr Vite con colletto</p>	<p>Pad retainer Zugbolzensatz Gruppo tirante</p>
<p>67</p>	<p>68</p>	<p>69</p>	<p>70</p>	<p>72</p>
<p>C13.26.?</p> 	<p>C13.27</p> 	<p>C13.30</p> 	<p>C14.09</p> 	<p>C14.10</p> 
<p>FORD</p>	<p>BMW - VW/AUDI</p>		<p>VW/AUDI</p>	<p>FCA</p>
<p>Pad retainer Zugbolzensatz Gruppo tirante</p>	<p>Anti-rebound pad retainer Halteelement mit Dämpfung Gruppo tirante antirimbalzo</p>	<p>Collar screw Schulter-passschraube Vite con colletto</p>	<p>Key Passfeder Chiavetta di reazione</p>	<p>Key Passfeder Chiavetta di reazione</p>
<p>72</p>	<p>73</p>	<p>76</p>	<p>77</p>	<p>78</p>
<p>C14.11</p> 	<p>C14.20</p> 	<p>C14.30</p> 	<p>C15.10</p> 	<p>C15.11</p> 
<p>FORD</p>		<p>VW/AUDI</p>	<p>FCA</p>	<p>FCA</p>
<p>Retainer Haltestück Ritegno per matrice</p>	<p>Key Passfeder Chiavetta di reazione</p>	<p>Locating block Fangbacke Tassello di centraggio</p>	<p>Clamp Befestigungselement Morsetto</p>	<p>Sleeve Führungseinheit Canotto guida</p>
<p>78</p>	<p>79</p>	<p>79</p>	<p>80</p>	<p>80</p>
<p>C15.12</p> 	<p>C15.13</p> 	<p>C15.14</p> 	<p>C15.15</p> 	<p>C16.18</p> 
<p>FCA</p>	<p>FCA</p>			<p>VW/AUDI</p>
<p>Guide post Führungssäule Colonna</p>	<p>Union nut Befestigungselement Dado di unione</p>	<p>Air coupling bracket Luftanschlussbock Supporto innesti rapidi</p>	<p>Flux control Verteilerblock Regolatore di flusso</p>	<p>Roller Rolle Rotella</p>
<p>81</p>	<p>82</p>	<p>83</p>	<p>84</p>	<p>85</p>

C16.19	C16.20	C16.20	C16.21	C16.25
VW/AUDI	VW/AUDI	VW/AUDI	FCA	
Roller Rolle Rotella	Roller stock lifter Federnde laufrolle Rullino sollevamento nastro	Roller stock lifter Federnde laufrolle Rullino sollevamento nastro	Roller group Förderrolle Gruppo rullini	Coil support Abstreifer Sollevatore nastro
85	86	87	88	89
C16.26	C16.27	C16.30	C16.31	C16.40
FCA	BMW - MERCEDES-BENZ			FCA
Ball caster Kugelrollensystem Sfera portante	Coil guide roller Führungsrolle Guida nastro	Flange lifter Abstreifer Sflangiatore	Flange lifter Abstreifer Sflangiatore	Spring plunger Federnde druckstücke Espulsore a molla
90	91	92	93	94
C16.45	C16.50	C17.10	C17.20	C17.21
	VW/AUDI	FCA - PSA	FCA - PSA	OPEL
Spring plunger Federnde druckstücke Espulsore a molla	Spring rams Federbolzen Sollevatore	Elastomer spring Elastomerfeder Molla in elastomero	Elastomer cap Elastomerdruckstück Puntalino in elastomero	Shock absorber Halteelement Ammortizzatore
95	96	97	100	100
C17.27	C17.30	C17.31	C17.32	C17.40
BMW - VW/AUDI	FCA			FCA - VW/AUDI
Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo	Elastomer spring pin Aufnahmebolzen Perno per molle in elastomero	Washer for elastomer spring Federscheibe Rondella per molle in elastomero	Column DIN 9835 Führungsbolzen DIN 9835 Colonna di guida DIN 9835	Stripper for blanking dies Abstreifer für Platinenschnitte Estrattore per stampi
101	102	103	104	105

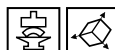
<p>C17.51</p> 	<p>C17.52</p> 	<p>C18.05</p> 	<p>C18.07</p> 	<p>C18.10</p> 
<p>VW/AUDI - BMW</p>	<p>BMW</p>	<p>VW/AUDI - BMW</p>	<p>BMW</p>	<p>FCA</p>
<p>Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo</p>	<p>Anti-rebound elastomer Dämpfungselement Ammortizzatore antirimbalzo</p>	<p>Anti-rebound slide stop Arretierung gegen Rückfederung Arresto anti rimbalzo</p>	<p>Anti-rebound slide stop Arretierung gegen Rückfederung Arresto anti rimbalzo</p>	<p>Slide stop block Schieberanschlag Arresto slitta</p>
<p>105</p>	<p>106</p>	<p>107</p>	<p>108</p>	<p>109</p>
<p>C18.11</p> 	<p>C18.20.?</p> 	<p>C18.21</p> 	<p>C18.25</p> 	<p>C18.30</p> 
<p>VW/AUDI</p>	<p>FCA</p>	<p>FCA</p>		<p>FORD</p>
<p>Slide stop block Schieberanschlag Arresto slitta</p>	<p>Positive return plate Zwangsrückholer Gancio di sicurezza</p>	<p>Key Passfeder Chiavetta</p>	<p>Cam blank-holder guide Gleitplatte für Schieber Guida per prelamiera</p>	<p>Coupling plate Befestigungsplatte Staffa di reazione</p>
<p>109</p>	<p>110</p>	<p>111</p>	<p>112</p>	<p>113</p>
<p>C18.31</p>				
				
<p>FCA</p>				
<p>Coupling nut Kupplungsmutter Aggancio staffa</p>				
<p>113</p>				

GAGE HARDENED - EINWEISER GEHÄRTET - RIFERIMENTO INDURITO



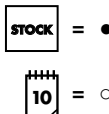
Notes

Material: CK60 - HRC: 56÷60



Standard OMCR

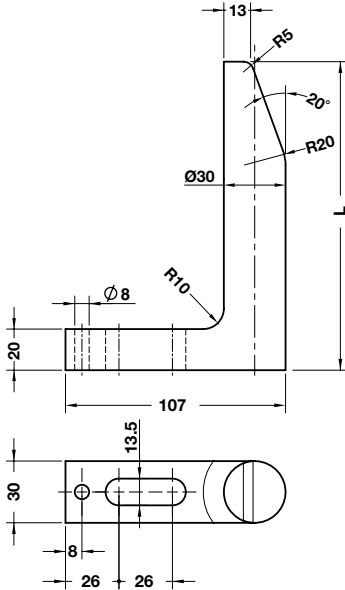
Delivery time
Lieferzeit in Werktagen
Tempi di spedizione



Art.	L=70
C10.09.	070

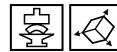
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C10.09.065	65	●	C10.09.145	145	○	C10.09.225	225	○
C10.09.070	70	○	C10.09.150	150	●	C10.09.230	230	○
C10.09.075	75	○	C10.09.155	155	○	C10.09.235	235	○
C10.09.080	80	○	C10.09.160	160	○	C10.09.240	240	○
C10.09.085	85	○	C10.09.165	165	○	C10.09.245	245	○
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

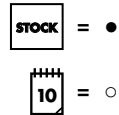


Notes

Material: CK60



Delivery time
Lieferzeit in Werktagen
Tempi di spedizione



Art.	L=70
C10.10.	070

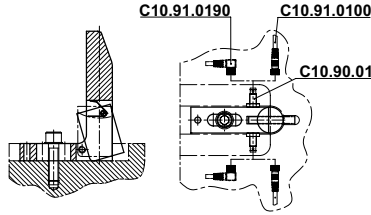
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C10.10.065	65	●	C10.10.145	145	○	C10.10.225	225	○
C10.10.070	70	○	C10.10.150	150	●	C10.10.230	230	○
C10.10.075	75	○	C10.10.155	155	○	C10.10.235	235	○
C10.10.080	80	○	C10.10.160	160	○	C10.10.240	240	○
C10.10.085	85	○	C10.10.165	165	○	C10.10.245	245	○
C10.10.090	90	●	C10.10.170	170	○	C10.10.250	250	●
C10.10.095	95	○	C10.10.175	175	○	C10.10.260	260	○
C10.10.100	100	○	C10.10.180	180	●	C10.10.270	270	○
C10.10.105	105	○	C10.10.185	185	○	C10.10.280	280	○
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	○
C10.10.125	125	○	C10.10.205	205	○	C10.10.320	320	○
C10.10.130	130	○	C10.10.210	210	○	C10.10.330	330	○
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

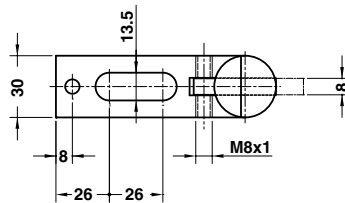
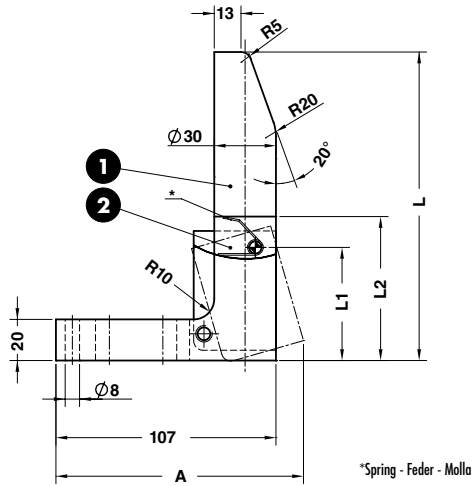
Notes

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

Application example



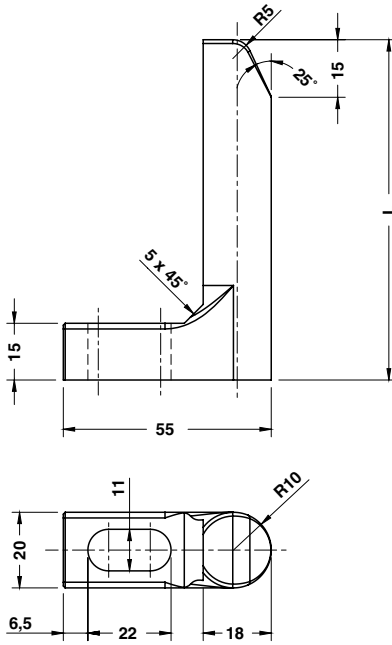
Standard OMCR



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

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

GAGE - EINWEISER - RIFERIMENTO



Notes

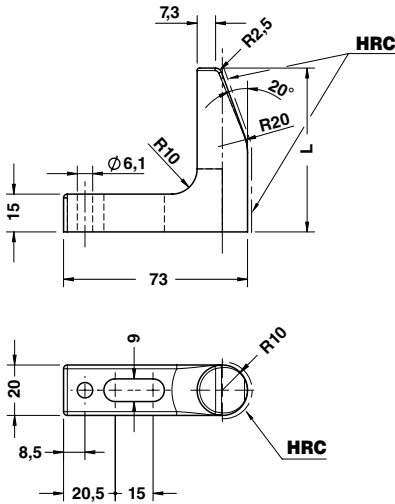
Material: CK45



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



Notes

Material: CK60 - HRC: 58÷60

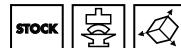
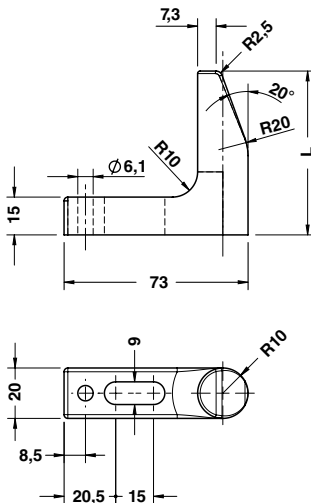


Art.	L=65
C10.13.	065

OMCR CODE	L
C10.13.065	65
C10.13.090	90

Standard OMCR

GAGE - EINWEISER - RIFERIMENTO



Notes

Material: CK60



Art.	L=65
C10.14.	065

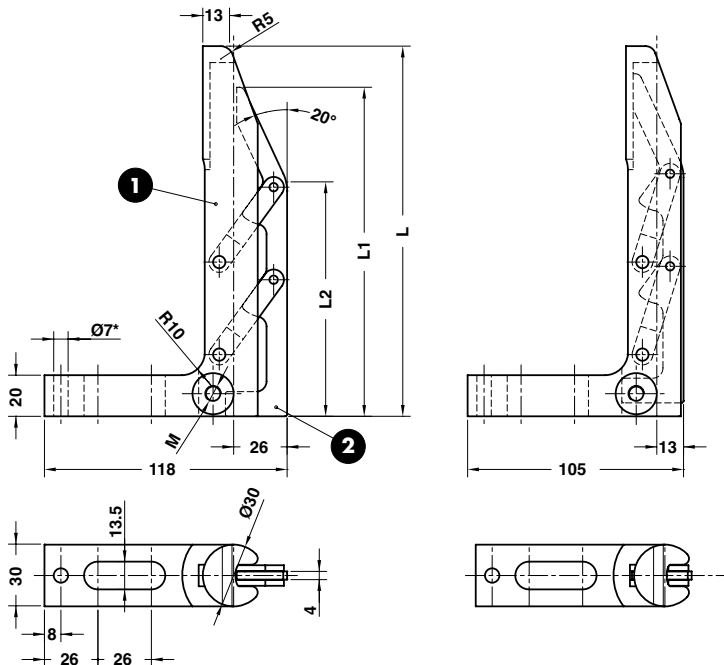
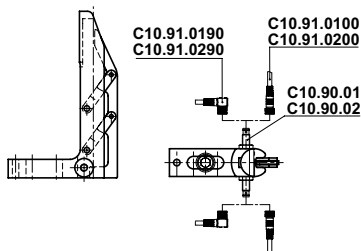
OMCR CODE	L
C10.14.065	65
C10.14.090	90

GAGE FOR SENSOR - EINWEISER FÜR TEILLAGEKONTROLLE - RIFERIMENTO PER SENSORE

Notes

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

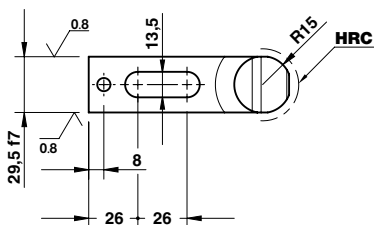
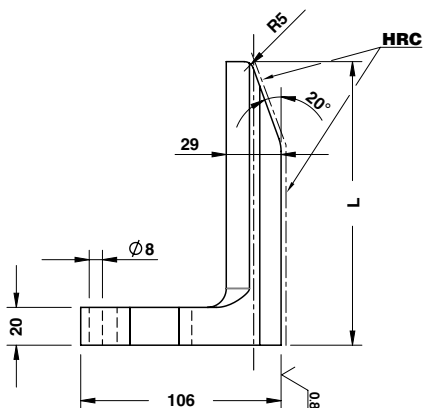
Application example



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

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

PRECISION GAGE - FEINENWEISER - RIFERIMENTO DI PRECISIONE



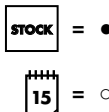
Notes

Material: CK60 - HRC: 58÷60



Standard OMCR

Delivery time
Lieferzeit in Werktagen
Tempi di spedizione



Art.	L=70
C10.16.	070

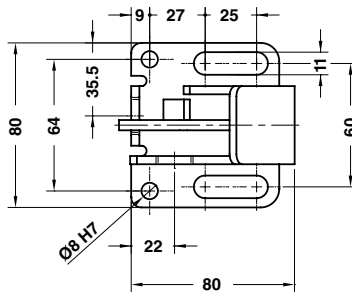
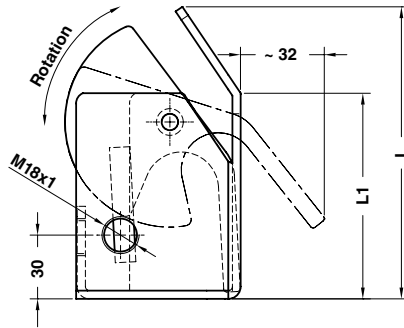
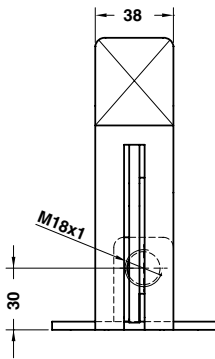
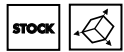
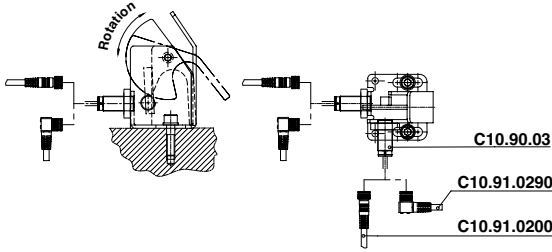
OMCR CODE	L	Delivery Time	OMCR CODE	L	Delivery Time	OMCR CODE	L	Delivery Time
C10.16.065	65	●	C10.16.145	145	○	C10.16.225	225	○
C10.16.070	70	○	C10.16.150	150	●	C10.16.230	230	○
C10.16.075	75	○	C10.16.155	155	○	C10.16.235	235	○
C10.16.080	80	○	C10.16.160	160	○	C10.16.240	240	○
C10.16.085	85	○	C10.16.165	165	○	C10.16.245	245	○
C10.16.090	90	●	C10.16.170	170	○	C10.16.250	250	●
C10.16.095	95	○	C10.16.175	175	○	C10.16.260	260	○
C10.16.100	100	○	C10.16.180	180	●	C10.16.270	270	○
C10.16.105	105	○	C10.16.185	185	○	C10.16.280	280	○
C10.16.110	110	○	C10.16.190	190	○	C10.16.290	290	○
C10.16.115	115	○	C10.16.195	195	○	C10.16.300	300	●
C10.16.120	120	●	C10.16.200	200	○	C10.16.310	310	○
C10.16.125	125	○	C10.16.205	205	○	C10.16.320	320	○
C10.16.130	130	○	C10.16.210	210	○	C10.16.330	330	○
C10.16.135	135	○	C10.16.215	215	○	C10.16.340	340	○
C10.16.140	140	○	C10.16.220	220	○	C10.16.350	350	●

FRONT GAGE - EINLAUFANSCHLAG - PORTASENSORE

Notes

Material: St37


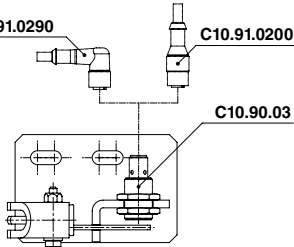


Application example



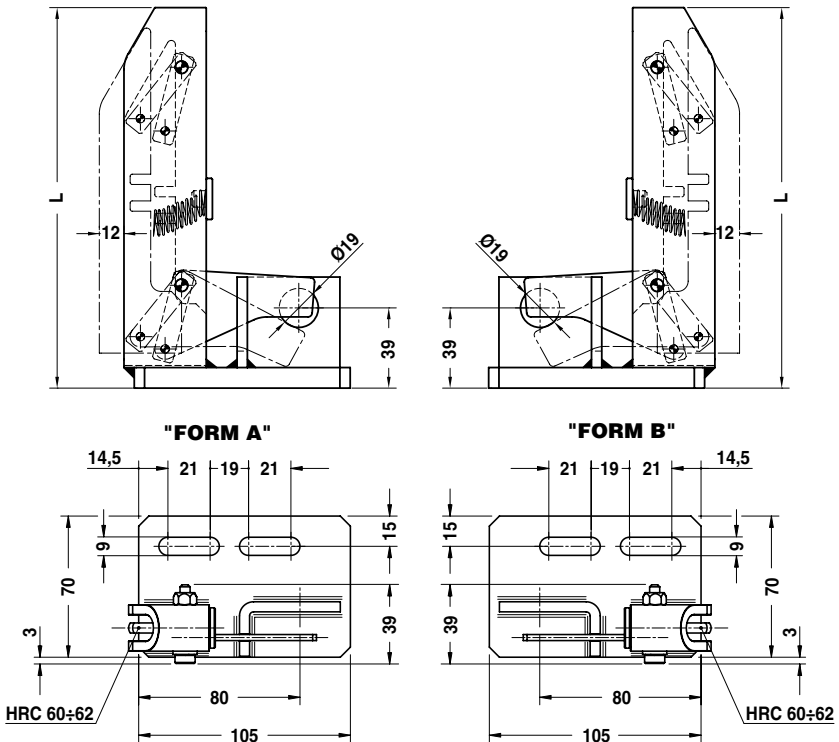
Art.	L=142
C10.20.	142

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

SUPPORT FOR SENSOR - LAGEKONTROLLE FÜR PLATINEN - SUPPORTO SENSORE

Notes	Application example	
Material: Steel		
		 

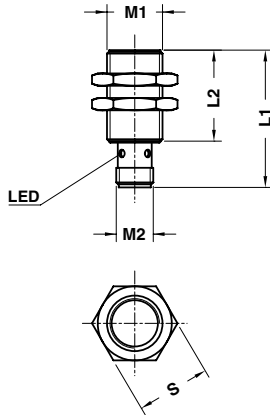
Standard OMCR



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

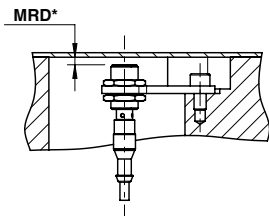
SENSOR - INDUKTIVE SENSOR - SENSORE



Notes

Manufactured by
Hersteller - Costruttore: **BALLUFF**

Application example



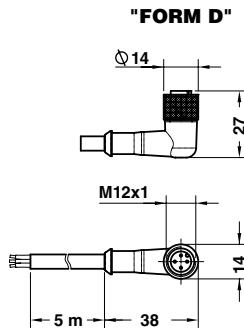
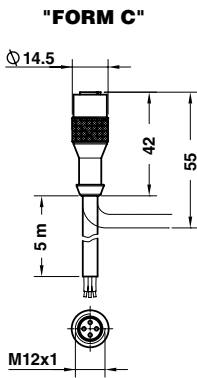
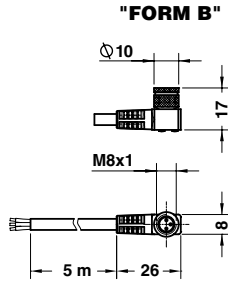
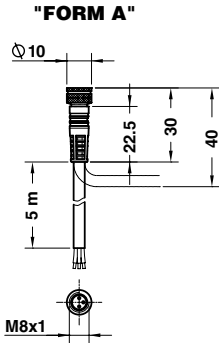
*Max reading distance
Maximale Lesereichweite
Distanza massima di lettura

	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 (I_{o max.})	≤ 8 mA	≤ 10 mA	≤ 8 mA	≤ 12 mA
4 Residual current (I_r)	≤ 10 µA	≤ 50 µA	≤ 50 µA	≤ 80 µA
5 Repeat accuracy (R)	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %
6 Ambient temperature range (T_a)	-25...+70° C	-25...+85° C	-25...+70° C	25...+70° C
7 Frequency of operating cycles (f)	3000 Hz	2000 Hz	1000 Hz	200 Hz
8 Degree of protection per IEC 60529	IP 67	IP 68	IP 67	IP 67
9 Housing material	Stainless Steel	Stainless Steel	CuZn	CuZn
10 Connection	Connector	Connector	Connector	Connector
11 Approval	UL	UL	UL	UL

CONNECTOR - STECKVERBINDER - CONNETTORE



Notes

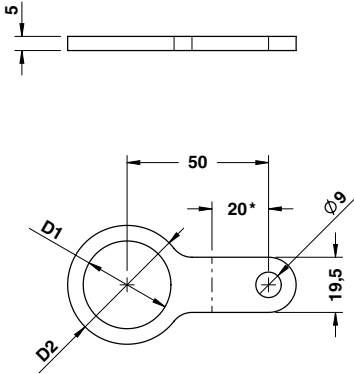
Manufactured by
 Hersteller - Costruttore: **BALLUFF**

ORDER EXAMPLE	Art.
	C10.91.0190

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

Standard OMCR

PLATE FOR SENSOR - HALTERUNG - PIASTRINA PORTASENSORE



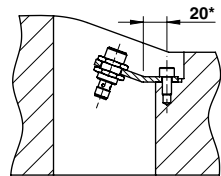
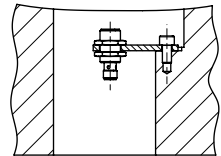
* Biegekante
Edge bending
Linea di piegatura



Notes

Material: St37

Application example



ORDER 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

Notes

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

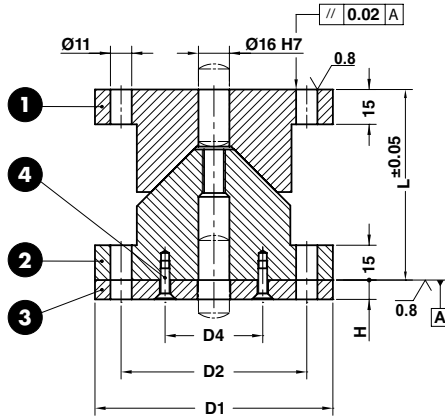


Standard OMCR

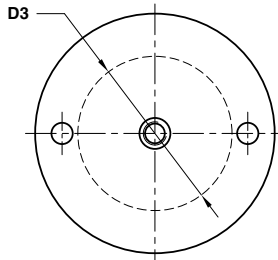
	Art.	D1=100	L=80	FORM	TYPE
	C11.09.	100	80	B	01

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

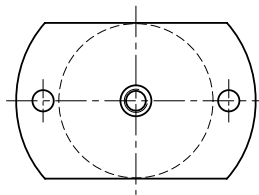
LOCATING CONE - KEGELDISTANZ - CONO DI CENTRAGGIO



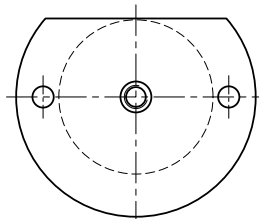
"FORM A"



"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



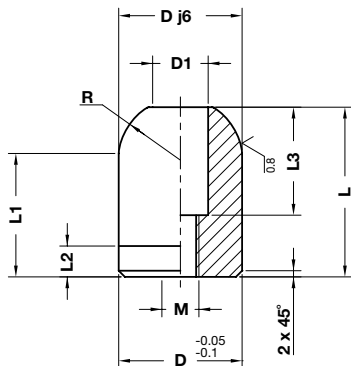
Standard OMCR



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



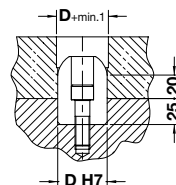
STOCK



Notes

Material: 16MnCr5 - HRC: 58÷60

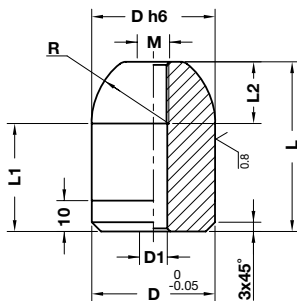
Application example



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

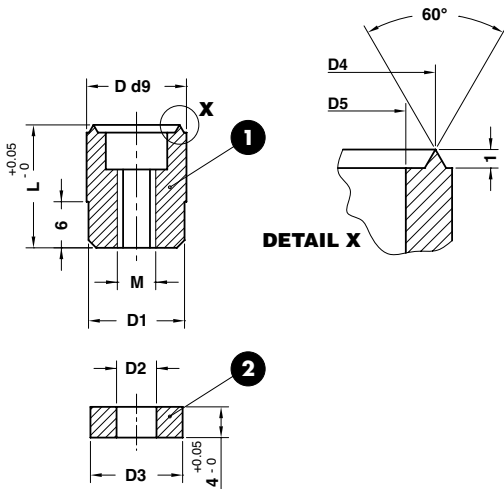
Material: 16MnCr5 - HRC: 58÷60



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

VISUAL LOCATOR SETTING PUNCH - ENDKONTROLLSTEMPEL - PUNZONE DI VISUALIZZAZIONE



Notes

1 Material: X205Cr12KU
HRC: 60÷62

2 Material: X205Cr12KU

Standard OMCR



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

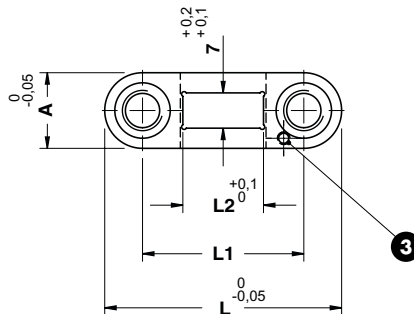
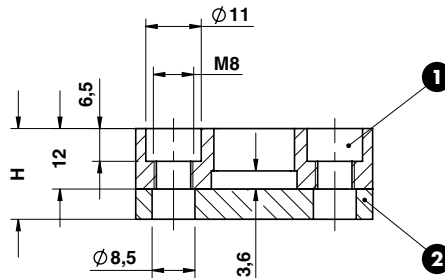
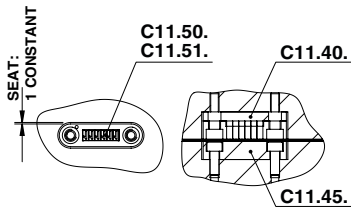
1 2

Material: CK45

3

ELASTIC PIN $\varnothing 2.5 \times 14$ DIN 1481

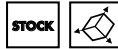
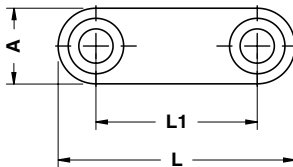
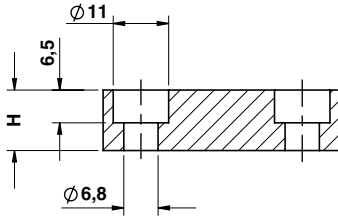
Application example



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

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

BACKING PLATE - DRUCKPLATTE - REAZIONE



Notes

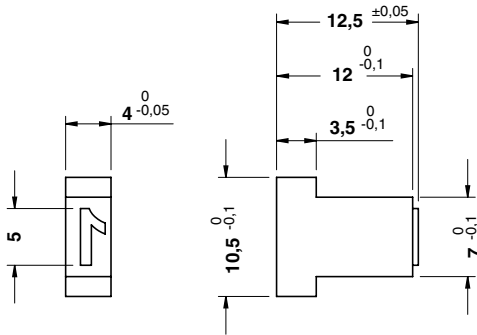
Material: CK45

Standard OMCR

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

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

STAMP - BUCHSTABENSTEMPEL - PUNZONE MARCHIO



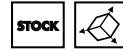
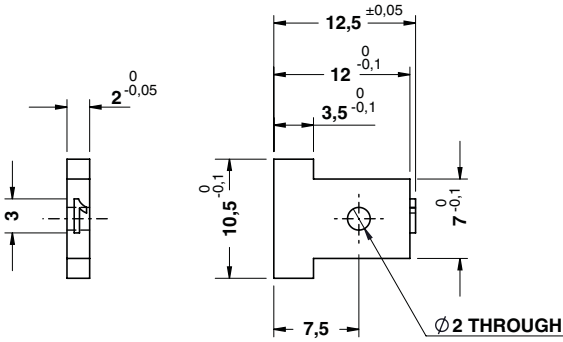
Notes

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



Notes

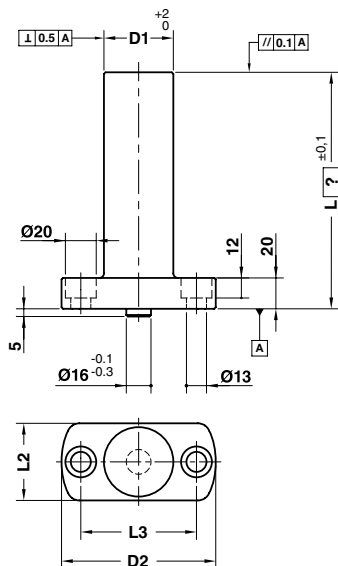
Material: X153CrMoV12
HRC: 54÷56

Standard OMCR

ORDER EXAMPLE	Art.
	C11.51.01

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

AIR PIN - DRUCKBOLZEN - CANDELA



L_{max} = 360 mm

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

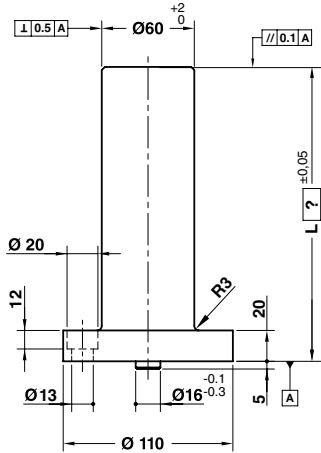
Notes

Material: CK45 - 800÷1000 N/mm²

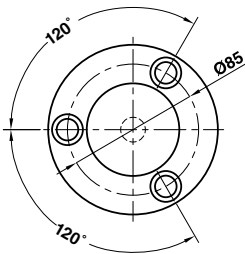
	Art.	D1=36	L=230
	C12.10.	36	230

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

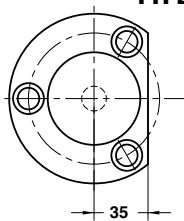
AIR PIN - UNTERLUFTBOLZEN - CANDELA



TYPE 01

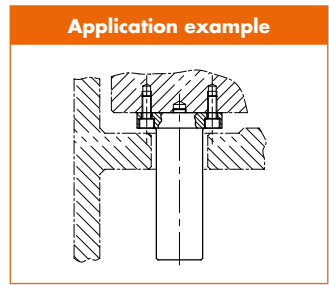


TYPE 02



Lmax = 440 mm
 Respect the max. load
 Maximale Nutzlast beachten
 Rispettare il carico max.

Notes
Material: CK45 - 800÷1000 N/mm²

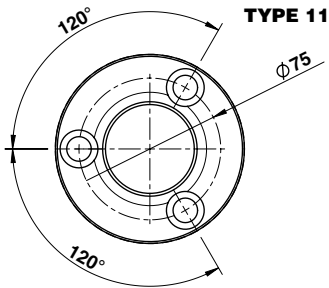
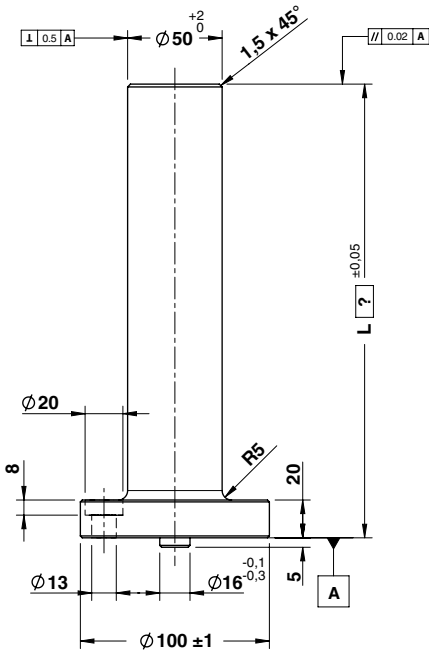


ORDER SAMPLE	Art.	TYPE	L=220
	C12.11.	01	220

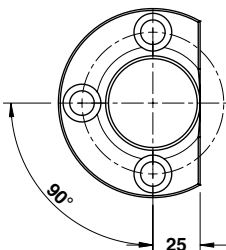
OMCR CODE	TYPE	Max Load (kN)
C12.11.	01	80
C12.11.	02	80

Standard OMCR

AIR PIN - UNTERLUFTBOLZEN - CANDELA

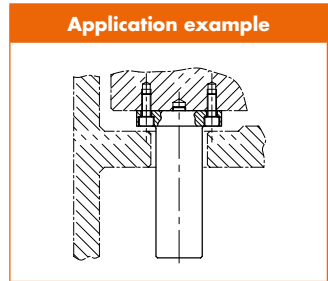


TYPE 12



L_{max} = 440 mm
 Respect the max. load
 Maximale Nutzlast beachten
 Rispettare il carico max.

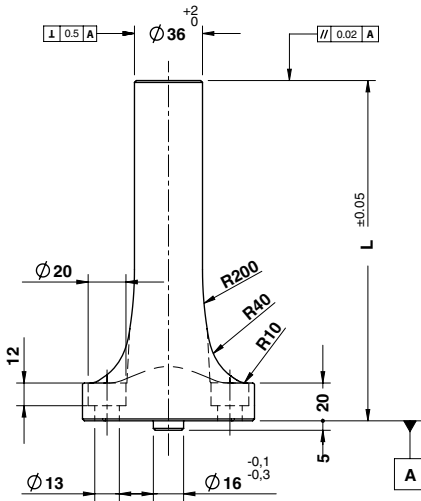
Notes
Material: CK45 - 800 ÷ 1000 N/mm²



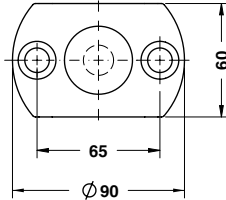
ORDER SAMPLE	Art.	TYPE	L=220
	C12.11.	11	220

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

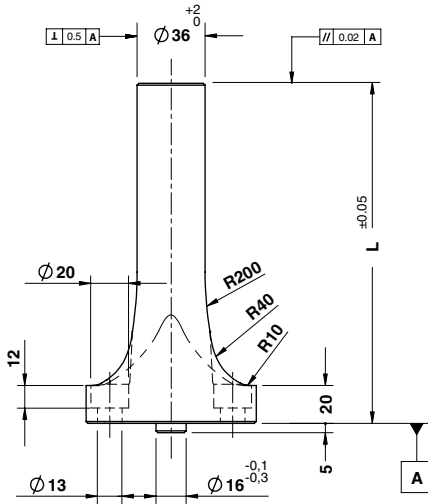
Standard OMCR



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

OMCR CODE	TYPE	L	Max Load (kN)	OMCR CODE	TYPE	L	Max Load (kN)	OMCR CODE	TYPE	L	Max Load (kN)
C12.12.10150	10	150	50	C12.12.10215	10	215	50	C12.12.10280	10	280	50
C12.12.10155	10	155	50	C12.12.10220	10	220	50	C12.12.10285	10	285	50
C12.12.10160	10	160	50	C12.12.10225	10	225	50	C12.12.10290	10	290	50
C12.12.10165	10	165	50	C12.12.10230	10	230	50	C12.12.10295	10	295	50
C12.12.10170	10	170	50	C12.12.10235	10	235	50	C12.12.10300	10	300	50
C12.12.10175	10	175	50	C12.12.10240	10	240	50	C12.12.10310	10	310	50
C12.12.10180	10	180	50	C12.12.10245	10	245	50	C12.12.10320	10	320	50
C12.12.10185	10	185	50	C12.12.10250	10	250	50	C12.12.10330	10	330	50
C12.12.10190	10	190	50	C12.12.10255	10	255	50	C12.12.10340	10	340	50
C12.12.10195	10	195	50	C12.12.10260	10	260	50	C12.12.10350	10	350	50
C12.12.10200	10	200	50	C12.12.10265	10	265	50	C12.12.10360	10	360	50
C12.12.10205	10	205	50	C12.12.10270	10	270	50				
C12.12.10210	10	210	50	C12.12.10275	10	275	50				

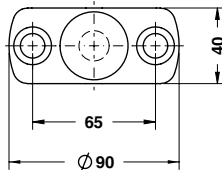
AIR PIN VDI 3002 - DRUCKBOLZEN VDI 3002 - CANDELA VDI 3002



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

Notes
Material: CK45
 800÷1000 N/mm²

TYPE 11

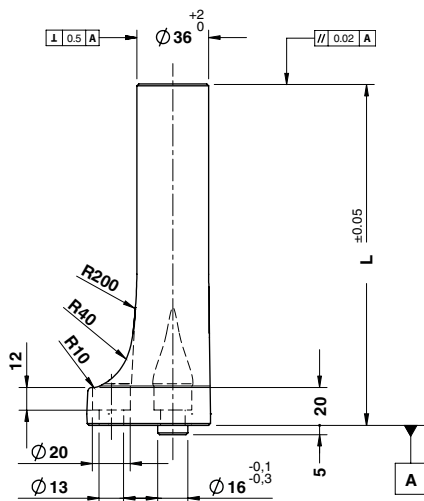


Art.	TYPE	L=220
C12.12.	11	220

OMCR CODE	TYPE	L	Max Load (kN)	OMCR CODE	TYPE	L	Max Load (kN)	OMCR CODE	TYPE	L	Max Load (kN)
C12.12.11150	11	150	50	C12.12.11215	11	215	50	C12.12.11280	11	280	50
C12.12.11155	11	155	50	C12.12.11220	11	220	50	C12.12.11285	11	285	50
C12.12.11160	11	160	50	C12.12.11225	11	225	50	C12.12.11290	11	290	50
C12.12.11165	11	165	50	C12.12.11230	11	230	50	C12.12.11295	11	295	50
C12.12.11170	11	170	50	C12.12.11235	11	235	50	C12.12.11300	11	300	50
C12.12.11175	11	175	50	C12.12.11240	11	240	50	C12.12.11310	11	310	50
C12.12.11180	11	180	50	C12.12.11245	11	245	50	C12.12.11320	11	320	50
C12.12.11185	11	185	50	C12.12.11250	11	250	50	C12.12.11330	11	330	50
C12.12.11190	11	190	50	C12.12.11255	11	255	50	C12.12.11340	11	340	50
C12.12.11195	11	195	50	C12.12.11260	11	260	50	C12.12.11350	11	350	50
C12.12.11200	11	200	50	C12.12.11265	11	265	50	C12.12.11360	11	360	50
C12.12.11205	11	205	50	C12.12.11270	11	270	50				
C12.12.11210	11	210	50	C12.12.11275	11	275	50				



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

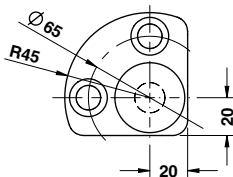


⚠
Respect the max. load
Maximale Nutzlast beachten
Rispettare il carico max.

Notes

Material: CK45
800 ÷ 1000 N/mm²

TYPE 12



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

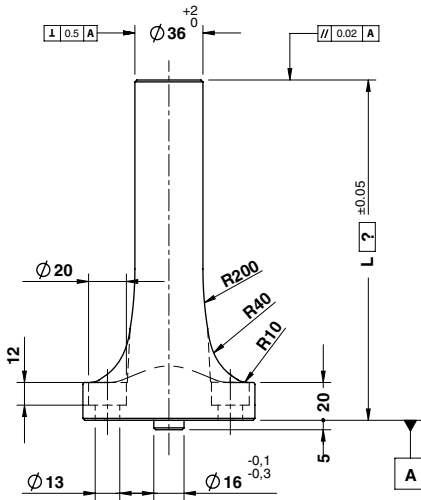
OMCR CODE	TYPE	L	Max Load (kN)
C12.12.12150	12	150	50
C12.12.12155	12	155	50
C12.12.12160	12	160	50
C12.12.12165	12	165	50
C12.12.12170	12	170	50
C12.12.12175	12	175	50
C12.12.12180	12	180	50
C12.12.12185	12	185	50
C12.12.12190	12	190	50
C12.12.12195	12	195	50
C12.12.12200	12	200	50
C12.12.12205	12	205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

Standard OMCR

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



$L_{max} = 360 \text{ mm}$

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

Notes

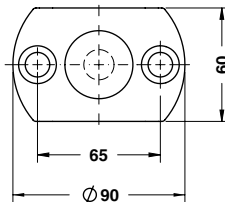
Material: C45
 $800 \div 1000 \text{ N/mm}^2$



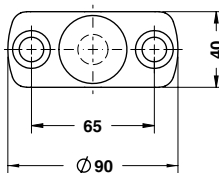
Art.	TYPE	L=220
C12.12.	10	220

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

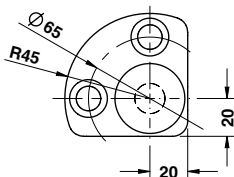
TYPE 10



TYPE 11



TYPE 12



SPACER PLATE TOOTHED - DISTANZPLATTE GEZAHNT - TASSELLO DI COMPENSAZIONE

Notes

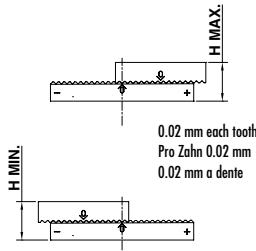
1 2 3

Material: 90MnCrV8
HRC: 58±60

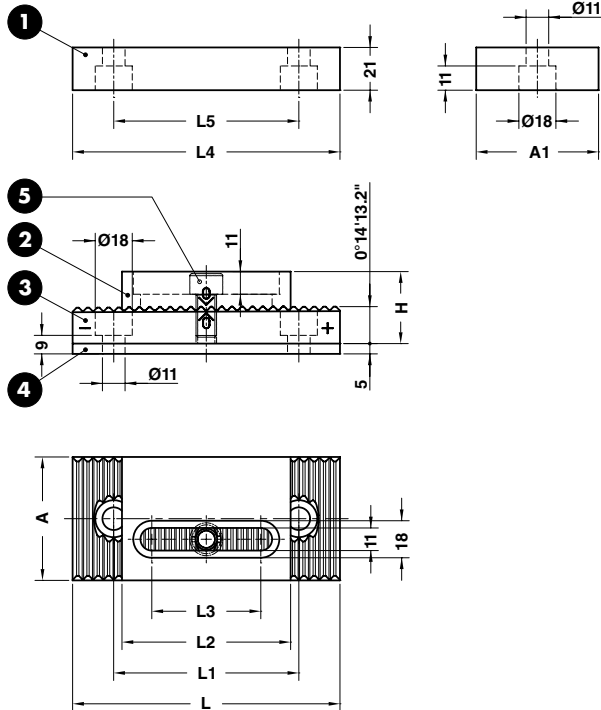
4 Material: X155CrVMo12

5 DIN 912

Application example



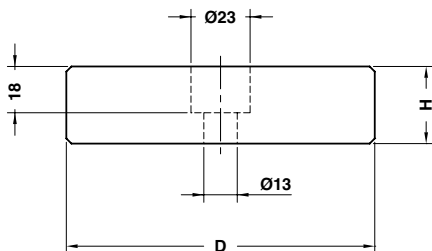
Standard OMCR



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

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

COMPENSATION BLOCK - ABSTANDSBLOCK - TASSELLO DI COMPENSAZIONE



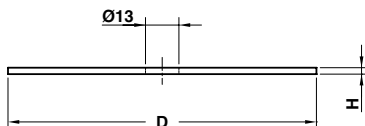
Notes

Material: 42CrMo4 - HRC: 46÷48

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

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

SHIM - AUSGLEICHSCHEIB - SPESSORE



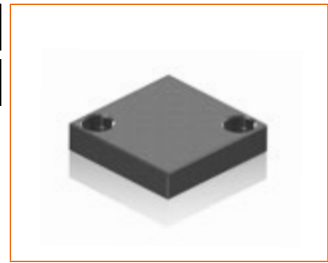
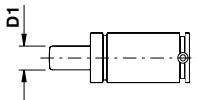
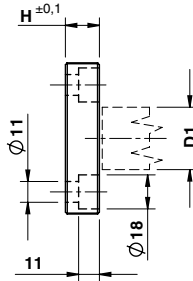
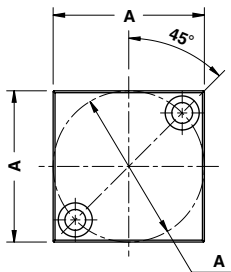
Notes

Material: CK45

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

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

PRESSURE PLATE - DRUCKPLATTE - PIASTRA DI REAZIONE



Notes

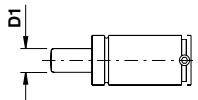
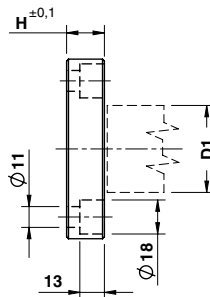
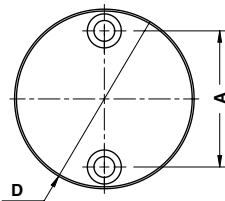
Material: 16MnCr5
HRC: 58÷60

ORDER EXAMPLE	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



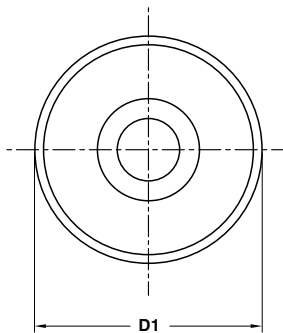
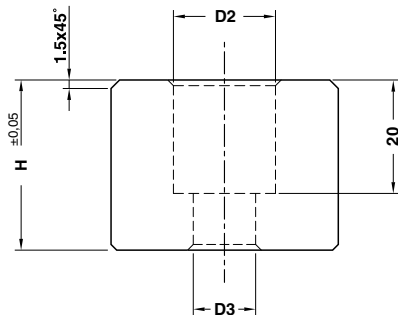
Notes

Material: 16MnCr5
HRC: 58÷60

ORDER EXAMPLE	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



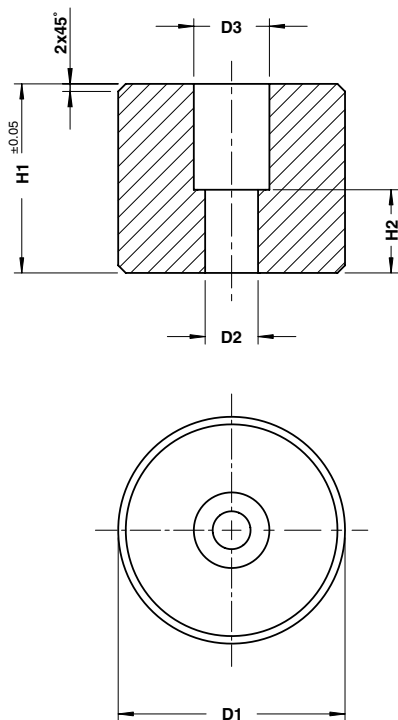
Notes

Material: CK45

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

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

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE



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

Notes

Material: CK45
 Screws not included

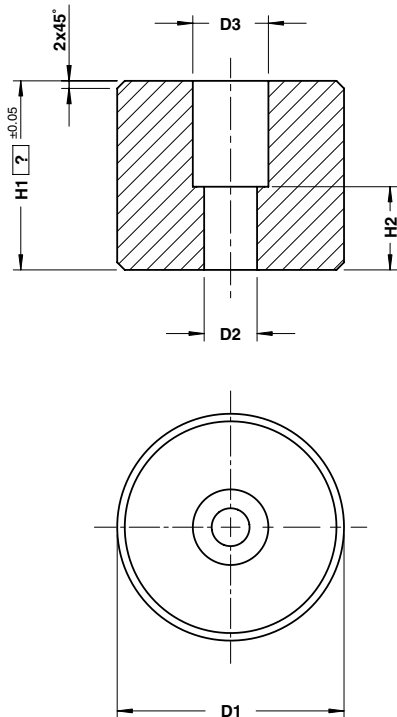
	Art.	D1=60	H1=40,50
	C12.26.	060	04050

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											•				•					•

Standard OMCR

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE



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

Notes

Material: CK45
 Screws not included



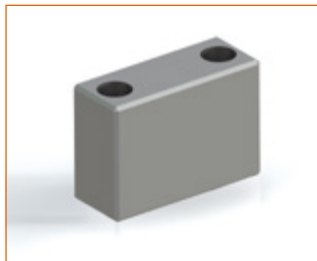
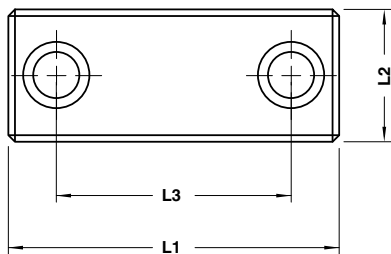
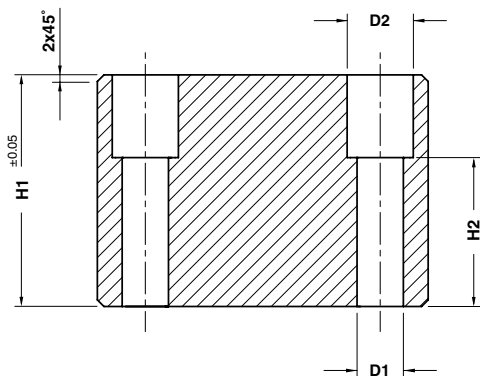
Art.	D1=80	H1=45
C12.26.	080	04500

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



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

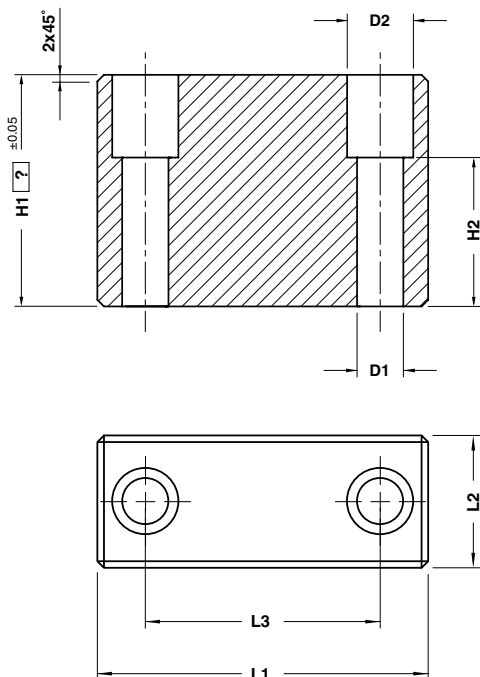
BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

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									•				•				•		•

Standard OMCR

BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE



10

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

Notes

Material: CK45
Screws not included



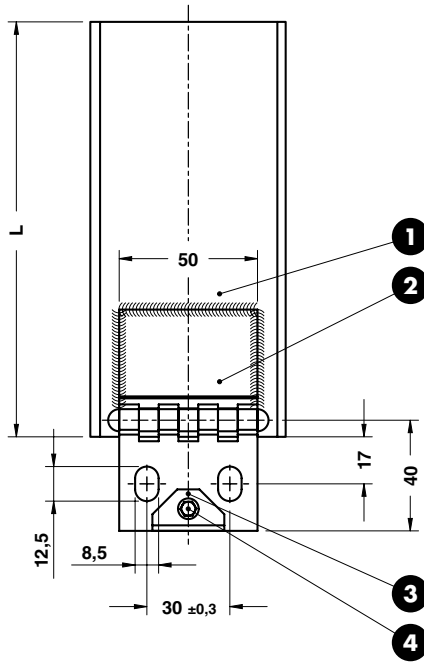
Art.	L1=150	L2=80	H1=85
C12.27.	150	080	08500

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

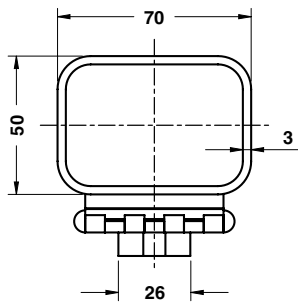
BALANCE BLOCK - DISTANZSTÜCK - DISTANZIALE

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

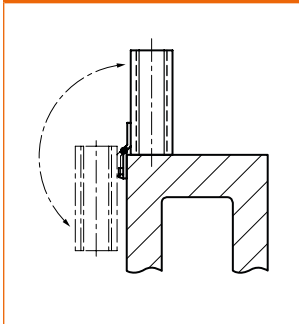


Respect the max. load
 Maximale Nutzlast beachten
 Rispettare il carico max.

Notes

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

Application example



Standard OMCR

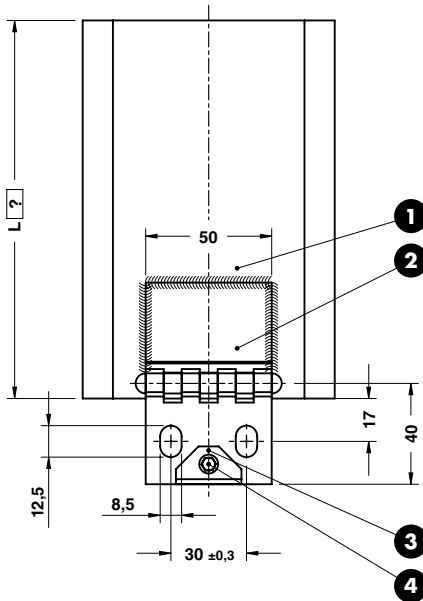
ORDER EXAMPLE	Art.	TYPE	L=70
	C12.30.	02	070

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

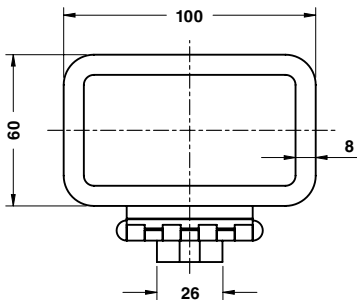
OMCR CODE	TYPE	L	Max load (kN)
C12.30.02150	02	150	100
C12.30.02155	02	155	100
C12.30.02160	02	160	100
C12.30.02165	02	165	100
C12.30.02170	02	170	100
C12.30.02175	02	175	100
C12.30.02180	02	180	100
C12.30.02185	02	185	100
C12.30.02190	02	190	100
C12.30.02195	02	195	100
C12.30.02200	02	200	100
C12.30.02205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

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

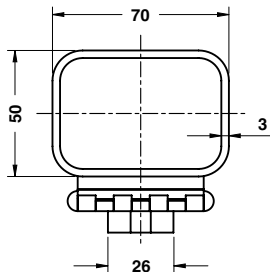
SPACING BAR - ABSTELLBOLZEN - DISTANZIALE



TYPE 01



TYPE 02



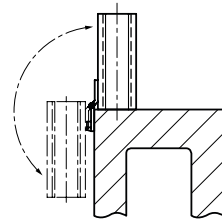
L max. = 400

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

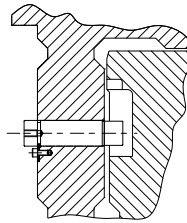


Respect the dynamic load
Dynamische Last berücksichtigen
Rispettare il carico dinamico

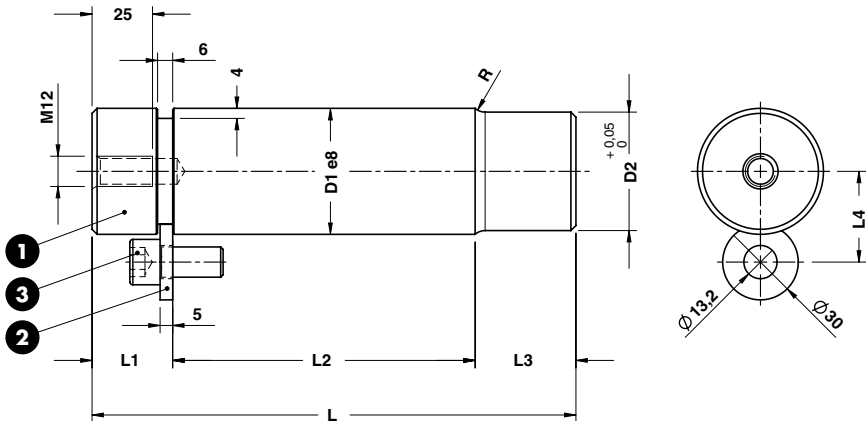
Notes

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

Application example



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

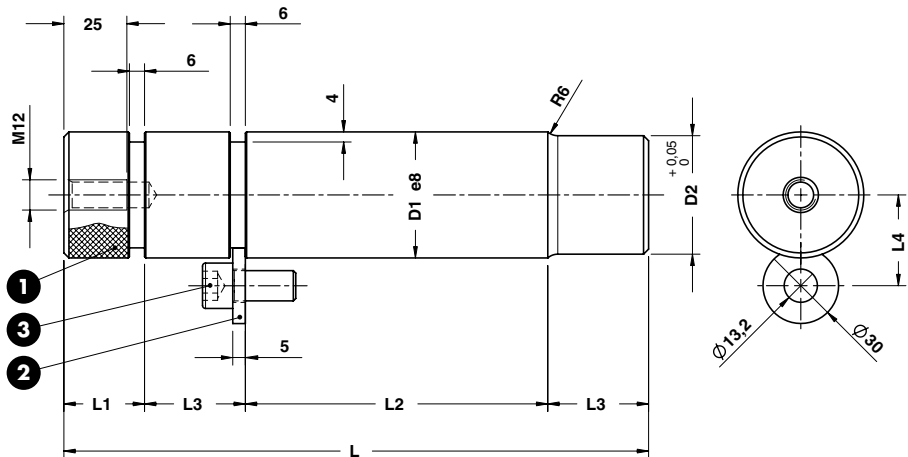
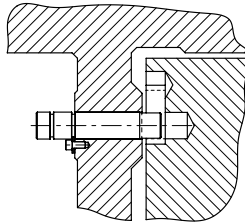


Respect the dynamic load
Dynamische Last berücksichtigen
Rispettare il carico dinamico

Notes

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

Application example

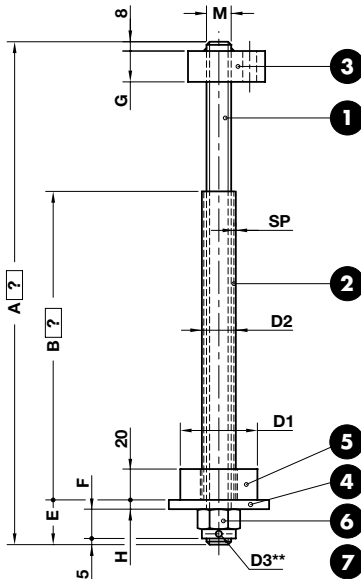
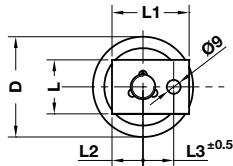


Art.	D1=32	L=130
C13.11.	32	130

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

Standard OMCR

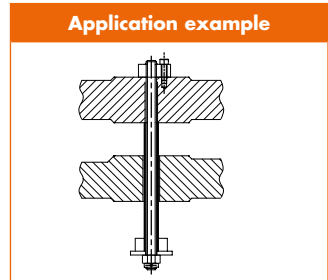


** Drill hole in rod for copper pin at assembly
Bohrung für splint durchzuführen bei der montage
Foro per copiglia da eseguire al montaggio



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

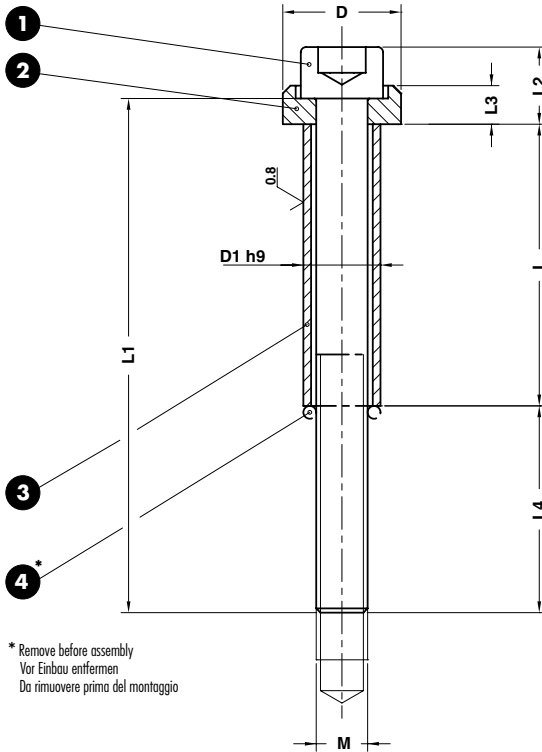
- Notes**
- 1** Material: 36NiCrMo4
 - 2** **3** Material: Si37
 - 4** Material: CK45
 - 5** Elastomer 92SH
 - 6** DIN 935 cl. 8.8
 - 7** DIN 94



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

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

GROUND COLLAR SCREW - SCHRAUBE MIT DISTANZROHR - VITE CON COLLETO



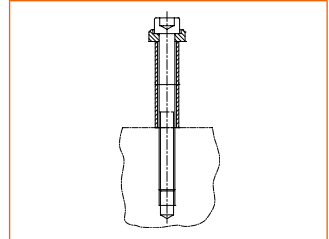
* Remove before assembly
Vor Einbau entfernen
Da rimuovere prima del montaggio



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



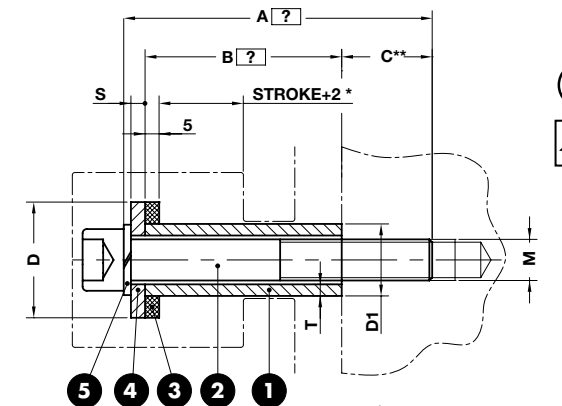
ORDER EXAMPLE	Art.	M=M6	L=70
	C13.24.	M06	070

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 - ZUGBOLZENSATZ - GRUPPO TIRANTE



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

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

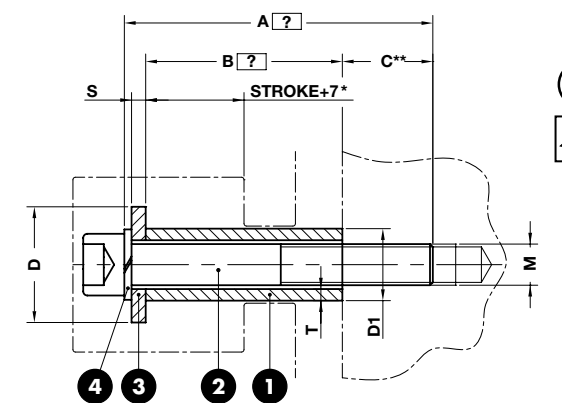
OMCR CODE	D	D1	M	S	T	Max load (kN)
C13.25.	32	16	M10	4	2,5	1
C13.25.	36	20	M12	6	3,5	1,5
C13.25.	45	28	M16	6	5,5	2,5



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

- Notes**
- 1 **Material:** St37
 - 2 DIN 912 cl. 8.8
 - 3 **Material:** Elastomer 92SH
 - 4 **Material:** CK45
 - 5 DIN 127

PAD RETAINER - ZUGBOLZENSATZ - GRUPPO TIRANTE



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

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

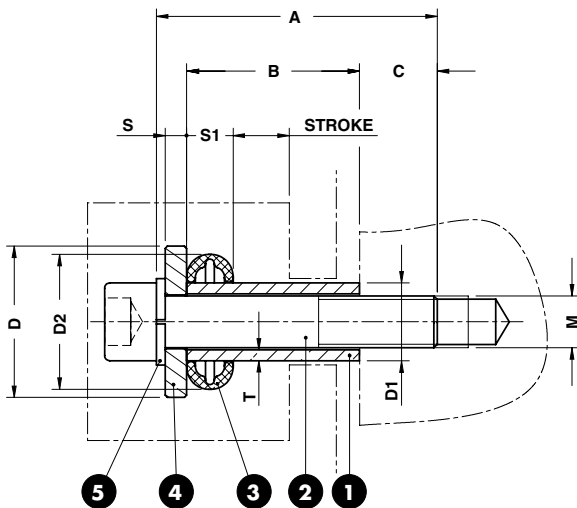
OMCR CODE	D	D1	M	S	T	Max load (kN)
C13.26.	25	16	M10	4	2,5	1
C13.26.	30	20	M12	6	3,5	1,5
C13.26.	40	28	M16	6	5,5	2,5



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

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

**ANTI-REBOUND PAD RETAINER
HALTELEMENT MIT DÄMPFUNG
GRUPPO TIRANTE ANTIRIMBALZO**



**For dimensioning see pages 74-75
Dimensionierung s. Seiten 74-75
Per il dimensionamento vedi pagine 74-75**



⚠
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

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

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

Standard OMCR

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 3x M24
250	2x M10	3x M10	2x M12 5x M10	3x M12 8x 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 M16 5x M16	3x M20 7x M16	3x M20 4x M20	3x M24 5x M20	3x M24 4x M24	3x M30 5x M24	3x M30 6x M24	4x 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	5x M30 8x M24	6x 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 3x M24	2x M20 3x M24	2x M20 3x M24
250	2x M10	3x M10	2x M12 5x M10	3x M12 8x M10	2x 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 M20
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 M16 5x M16	3x M20 6x M16	3x M20 4x M20	3x M24 5x M20	3x M24 4x M24	3x M30 5x M24	3x M30 6x M24	4x M30 7x M24	5x M30 8x M24	6x 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	4x M30 7x M24	4x M30 8x M24	5x M30 11x M24	6x M30 11x 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 5x M24	4x M30 7x M24	5x M30 8x M24	5x M30 10x M24	6x M30 11x M24	7x M30 11x M24	8x M30 12x M24
1500	4x M12	4x M16 9x M10	4x M20 6x M16	4x M20 9x M16	4x M24 6x M20	4x M24 8x M24	4x M30 6x M24	4x M30 8x M24	5x M30 10x M24	6x M30 11x M24	8x M30 11x M24	9x M30 11x M24	10x M30 12x M24
1750	4x M16	4x M16 5x M12	4x M20 8x M12	4x M20 7x M16	4x M24 5x M20	4x M30 6x M24	4x M30 7x M24	4x M30 9x M24	6x M30 11x M24	7x M30 11x M24	9x M30 11x M24	10x M30 11x M24	12x M30 12x M24
2000	4x M16	4x M20 6x M12	4x M20 5x M16	4x M20 8x M16	4x M24 6x M20	4x M30 5x M24	4x M30 7x M24	4x M30 8x M24	5x M30 10x M24	6x M30 10x M24	8x M30 10x M24	10x M30 10x M24	12x M30 12x M24
2500	4x M16	4x M20 7x M12	4x M20 6x M16	4x M24 5x M20	4x M30 5x M24	4x M30 6x M24	5x M30 8x M24	5x M30 10x M24	6x M30 7x M30	6x M30 9x M30	7x M30 10x M30	7x M30 12x M30	7x M30 12x M30
3000	4x M16	4x M20 8x M12	4x M20 7x M16	4x M24 6x M20	4x M30 7x M24	4x M30 10x M24	5x M30 12x M24	6x M30 9x M30	6x M30 10x M30	7x M30 12x M30	7x M30 12x M30	7x M30 12x M30	7x M30 12x M30
3500	4x M20	4x M24 5x M16	4x M24 5x M20	4x M24 6x M24	4x M30 9x M24	4x M30 11x M24	5x M30 8x M30	5x M30 10x M30	6x M30 12x M30	6x M30 12x M30	6x M30 12x M30	6x M30 12x M30	6x M30 12x M30
4000	4x M20	4x M24 6x M16	4x M24 6x M20	4x M24 7x M24	4x M30 10x M24	4x M30 7x M30	5x M30 9x M30	5x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30
4500	4x M20	4x M24 6x M16	4x M24 6x M20	4x M24 8x M24	4x M30 11x M24	4x M30 8x M30	5x M30 10x M30	5x M30 10x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30
5000	4x M24	4x M30 5x M20	4x M30 5x M24	4x M30 6x M24	4x M30 9x M24	4x M30 12x M24	5x M30 9x M30	5x M30 12x M30	6x M30 12x M30	6x M30 12x M30	6x M30 12x M30	6x M30 12x M30	6x M30 12x M30
5500	4x M24	4x M30 5x M20	4x M30 5x M24	4x M30 7x M24	4x M30 10x M24	4x M30 8x M30	5x M30 10x M30	5x M30 10x M30	6x M30 10x M30	6x M30 10x M30	6x M30 10x M30	6x M30 10x M30	6x M30 10x M30
6000	4x M24	4x M30 5x M20	4x M30 5x M24	4x M30 8x M24	4x M30 11x M24	4x M30 9x M30	5x M30 11x M30	5x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30	6x M30 11x M30

Strokes/minute 18÷25

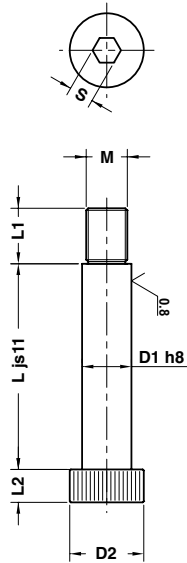
Pressure pad weight (daN)	Pressure pad speed (m/s)												
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3
100	2x M10	2x M10	2x M10	2x M12	2x M12	3x M12	3x M12	2x M16	3x M16	3x M16	2x M20	2x M20	2x M20
250	2x M10	3x M10	2x M12	3x M12	3x M16	3x M16	2x M20	2x M20	3x M20	3x M20	3x M24	3x M24	3x M24
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	5x M30	7x M30
1000	3x M12	3x M16	3x M20	3x M20	3x M24	3x M30	3x M30	4x M30	5x M30	6x M30	6x M30	7x M30	8x M30
1250	4x M12	4x M16	4x M20	4x M20	4x M24	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	11x M30
1500	4x M12	4x M16	4x M20	4x M24	4x M24	4x M30	5x M30	6x M30	7x M30	8x M30	10x M30	11x M30	
1750	4x M16	4x M16	4x M20	4x M24	4x M30	4x M30	6x M30	7x M30	8x M30	10x M30	12x M30		
2000	5x M12	8x M12	7x M16	5x M20	5x M24	6x M24	7x M24	9x M24	11x M24	10x M30	12x M30		
2500	4x M16	4x M20	4x M20	4x M24	4x M30	5x M30	6x M30	8x M30	8x M30	11x M30			
3000	7x M12	6x M16	5x M20	5x M24	6x M24	8x M24	10x M24	10x M30	12x M30				
3500	4x M16	4x M20	4x M24	4x M30	6x M30	7x M30	8x M30	11x M30					
4000	4x M20	4x M24	4x M30	6x M30	7x M30	10x M30	12x M30						
4500	6x M16	6x M20	6x M24	8x M24	11x M24	11x M30							
5000	4x M24	4x M30	5x M30	7x M30	9x M30	12x M30							
5500	5x M20	5x M24	6x M24	9x M24	12x M24								
6000	4x M24	4x M30	6x M30	8x M30	10x 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 M24	4x M24	4x M24
400	3x M10	2x M12	3x M12	3x M16	3x M20	2x M24	3x M24	3x M30	3x M30	4x M30	5x M30	5x M30	6x M30
550	3x M10	5x M10	8x M10	5x M12	4x M16	4x M20	5x M20	4x M24	4x M24	5x M24	6x M24	7x M24	8x M24
700	3x M12	3x M16	3x M16	3x M20	3x M24	3x M30	4x M30	5x M30	6x M30	7x M30	8x M30	9x M30	10x M30
850	4x M10	4x M12	4x M16	4x M16	5x M20	4x M24	4x M24	6x M24	7x M24	8x M24	10x M24	12x M24	
1000	3x M12	3x M16	3x M20	3x M24	3x M30	4x M30	5x M30	6x M30	8x M30	9x M30	11x M30		
1150	6x M10	5x M12	4x M16	5x M20	4x M24	5x M24	7x M24	8x M24	10x M24	12x M24			
1300	3x M16	3x M16	3x M24	3x M24	4x M30	5x M30	6x M30	7x M30	9x M30	10x M30	12x M30		
1450	4x M12	4x M16	4x M20	4x M24	4x M30	5x M30	6x M30	8x M30	10x M30				
1600	7x M10	6x M12	5x M16	6x M20	5x M24	7x M24	8x M24	10x M24	11x M30				
1850	4x M12	4x M16	4x M20	4x M24	4x M30	5x M30	7x M30	9x M30	10x M30	12x M30			
2000	4x M16	4x M20	4x M24	4x M30	5x M30	7x M30	9x M30	10x M30	12x M30				
2150	6x M12	5x M16	7x M20	6x M24	8x M24	10x M24	10x M30						
2300	4x M16	4x M24	4x M24	5x M30	7x M30	9x M30	11x M30						
2450	7x M12	5x M20	7x M20	6x M24	8x M24	11x M24							
2600	4x M16	4x M24	4x M30	6x M30	8x M30	10x M30	12x M30						

COLLAR SCREW - SCHULTER-PASSSCHRAUBE - VITE CON COLLETTA



Notes

Material: Steel cl. 12.9

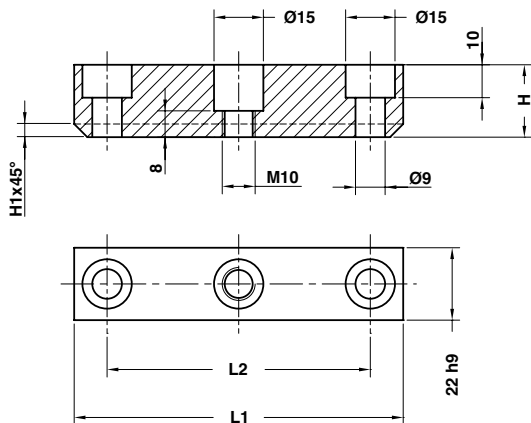


Art.	D1=6	L=10
C13.30.	06	010

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	M5	M6	M8	M10	M12	M16	M20
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

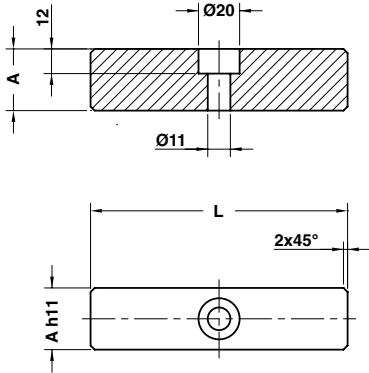
Standard OMCR



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



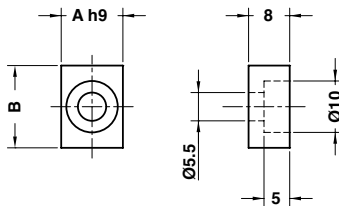
Notes

Material: CK45

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

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

RETAINER - HALTESTÜCK - RITEGNO PER MATRICE



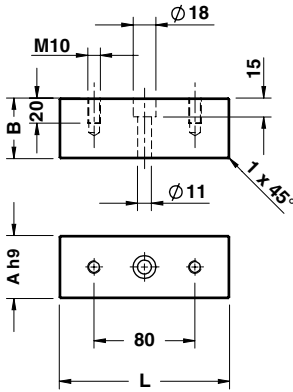
Notes

Material: CK45

ORDER EXAMPLE	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



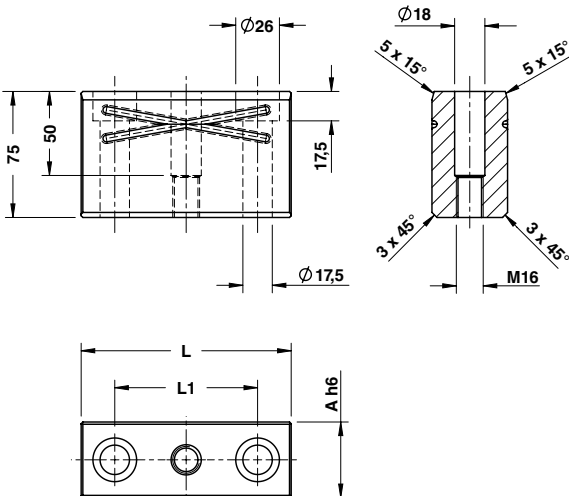
Art.	A=50	L=135
C14.20.	50	135

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

Standard OMCR

C14.30

LOCATING BLOCK - FANGBACKE - TASSELLO DI CENTRAGGIO



Notes

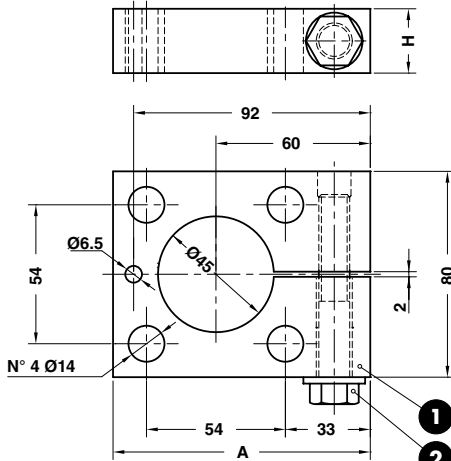
Material: 16MnCr5 - HRC: 60÷62



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

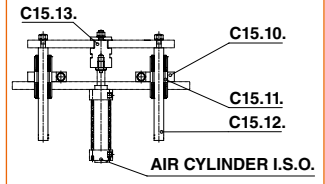
CLAMP - BEFESTIGUNGSELEMENT - MORSETTO



Notes

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

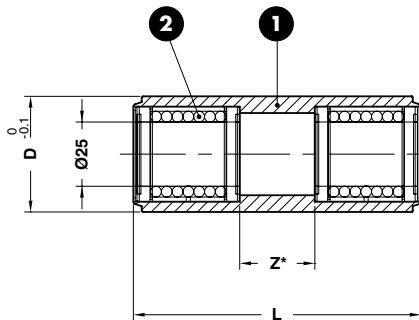
Application example



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

OMCR CODE	A	H
C15.10.10025	100	25

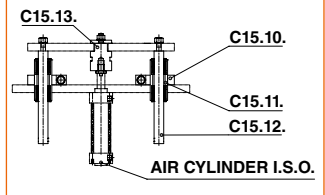
SLEEVE - FÜHRUNGSEINHEIT - CANOTTO GUIDA



Notes

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

Application example

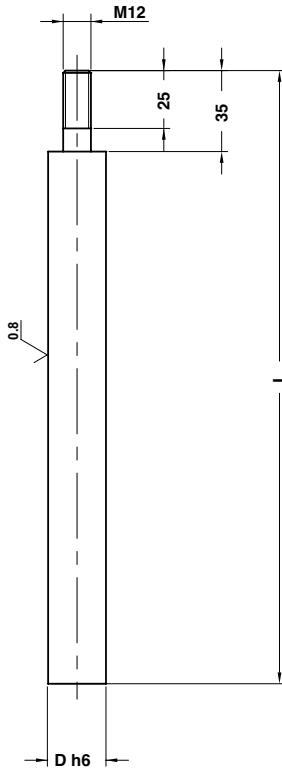


Art.	D=45	L=112
C15.11.	45	112

* Fixing zone
Befestigungsbereich Klammer
Zona di fissaggio

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

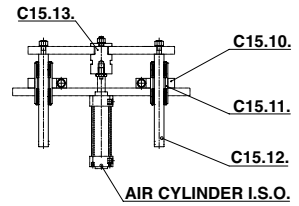
GUIDE POST - FÜHRUNGSSAULE - COLONNA



Notes

Material: CK45
HRC: 60÷62

Application example



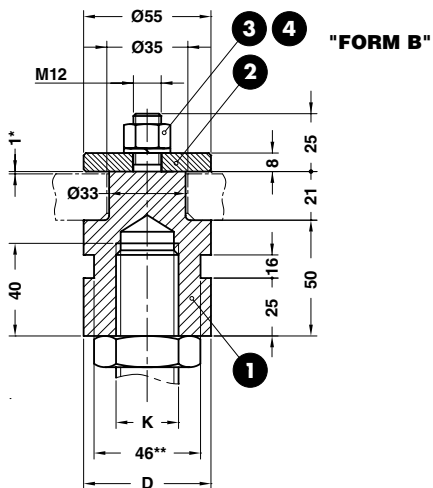
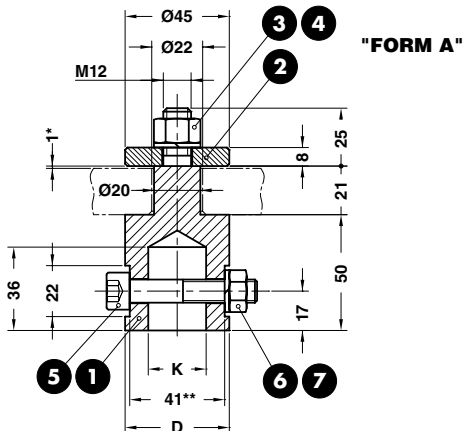
Standard OMCR



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 - BEFESTIGUNGSELEMEN - DADO DI UNIONE



* Backlash Spiel
Gioco

** Spanner Schlüssel
Chieve

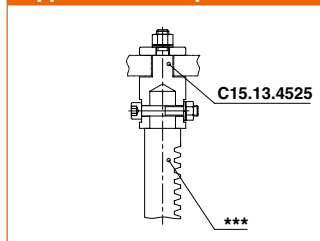
*** Rackwork
Zahnstange-antreib
Sollvatore a cremagliera



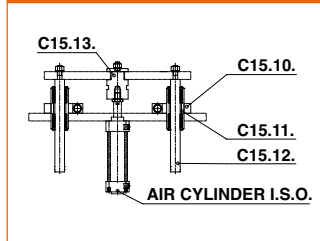
Notes

- 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

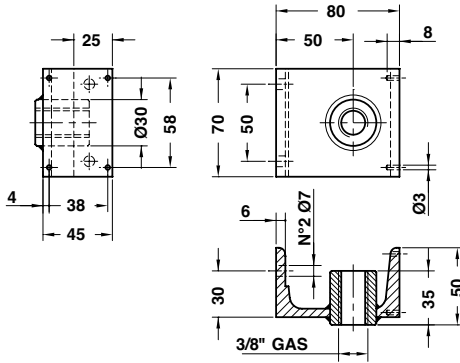


	Art.	D=45	K=25
	C15.13.	45	25

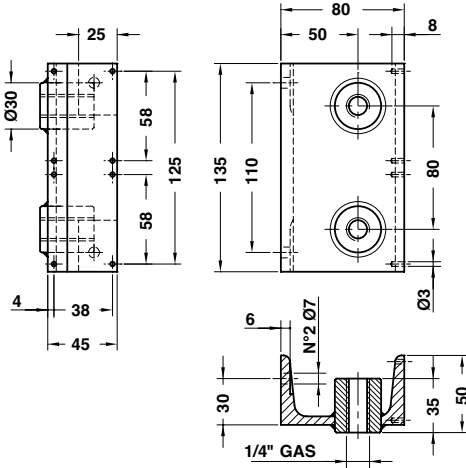
OMCR CODE	D	K	FORM
C15.13.4525	45	25	A
C15.13.5516	55	M16x1,5	B
C15.13.5520	55	M20x1,5	B
C15.13.5527	55	M27x2	B

AIR COUPLING BRACKET - LUFTANSCHLUSSBOCK - SUPPORTO INNESTI RAPIDI

"FORM A"



"FORM B"



Notes

Material: Si37

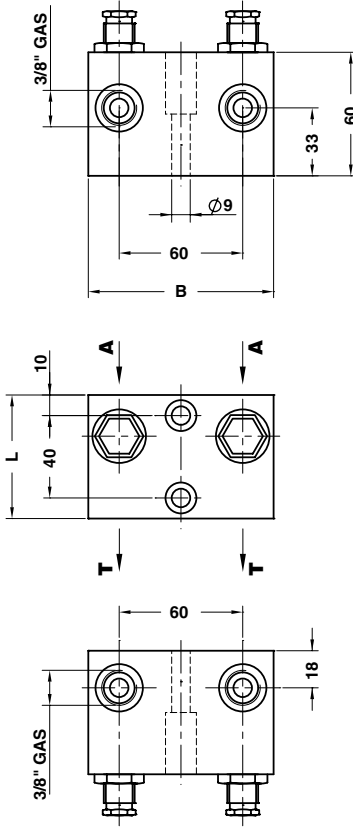
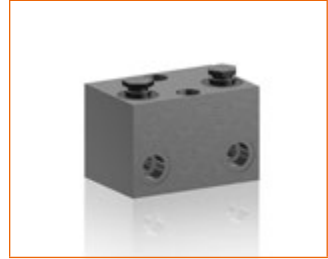


Art.	FORM
C15.14.	A

OMCR CODE FORM

C15.14.	A
C15.14.	B

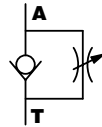
FLUX CONTROL - VERTEILERBLOCK - REGOLATORE DI FLUSSO



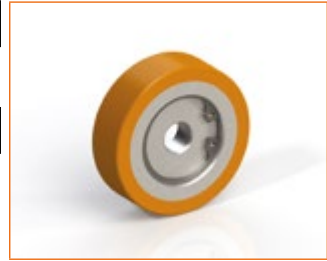
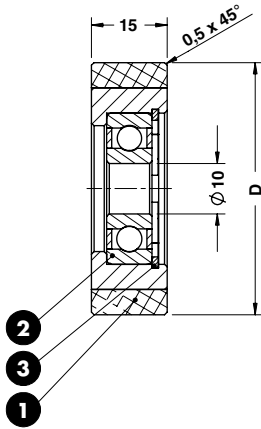
Notes
Material: CK45

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

OMCR CODE	A	B
C15.15.6090	60	90



ROLLER - ROLLE - ROTELLA



Notes

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

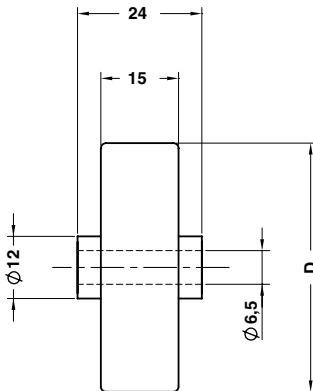


Art.	D=50
C16.18.	50

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

Standard OMCR

ROLLER - ROLLE - ROTELLA



Notes

Material: Steel

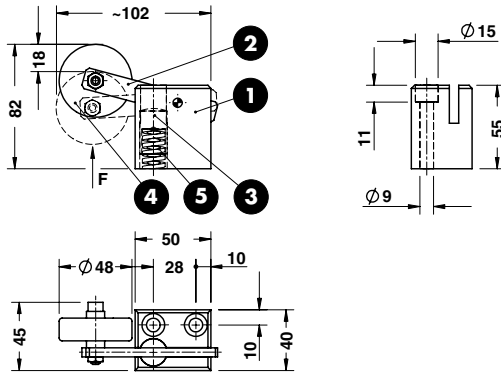


Art.	D=48
C16.19.	48

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

ROLLER STOCK LIFTER - FEDERENDE LAUFROLLE - RULLINO SOLLEVAMENTO NASTRO

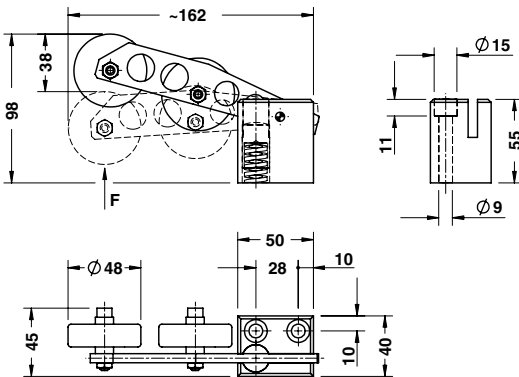
TYPE 01



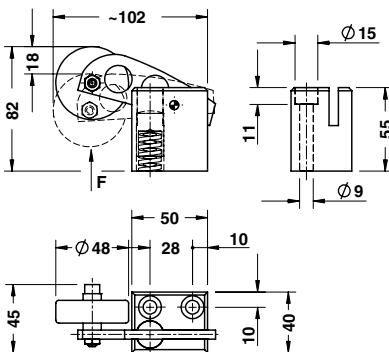
Notes

- 1 Material: C15
- 2 Material: S235JRG2K
- 3 Material: 42CrMo4
- 4 C16.19.48
- 5 Spring

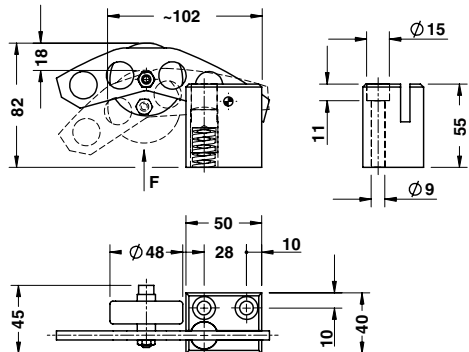
TYPE 02



TYPE 03



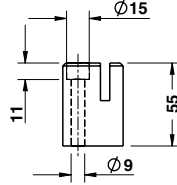
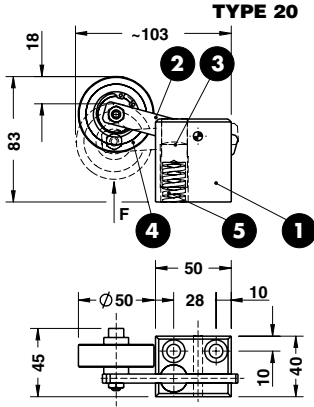
TYPE 04



ORDER EXAMPLE	Art.	TYPE
	C16.20.	01

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

ROLLER STOCK LIFTER - FEDERINDE LAUFROLLE - RULLINO SOLLEVAMENTO NASTRO

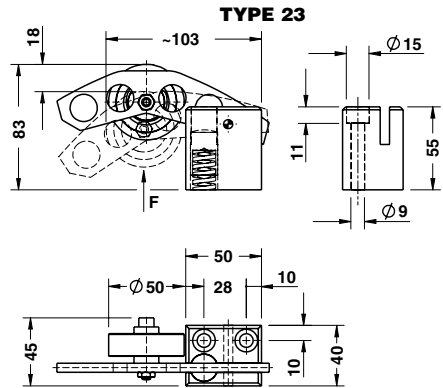
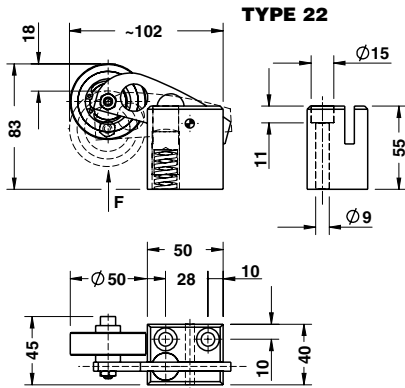
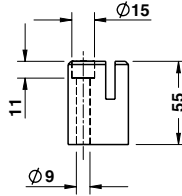
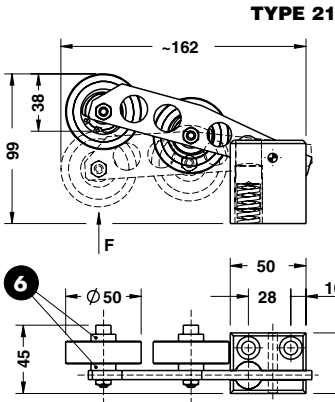


Notes

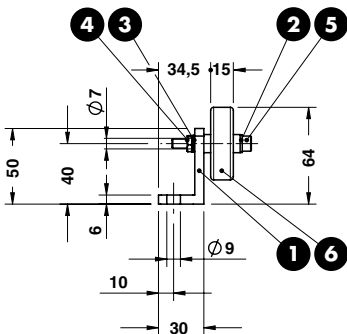
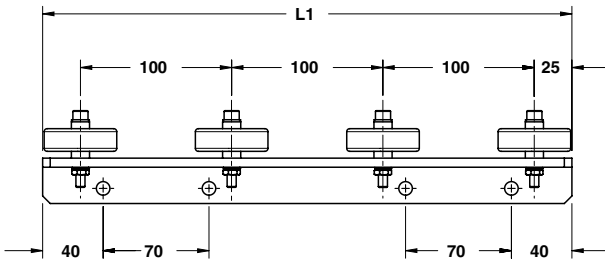
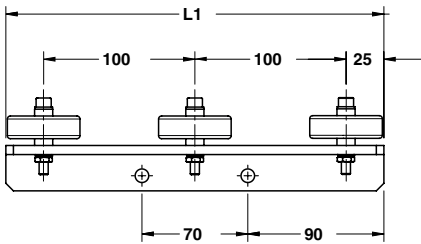
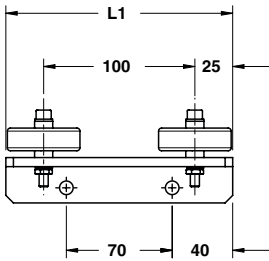
- 1** Material: C15
- 2** Material: S235JRG2K
- 3** Material: 42CrMo4
- 4** C16.18.50
- 5** Spring
- 6** Material: steel

ORDER EXAMPLE	Art.	TYPE
	C16.20.	20

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



ROLLER GROUP - FÖRDERROLLE - GRUPPO RULLINI



Notes

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

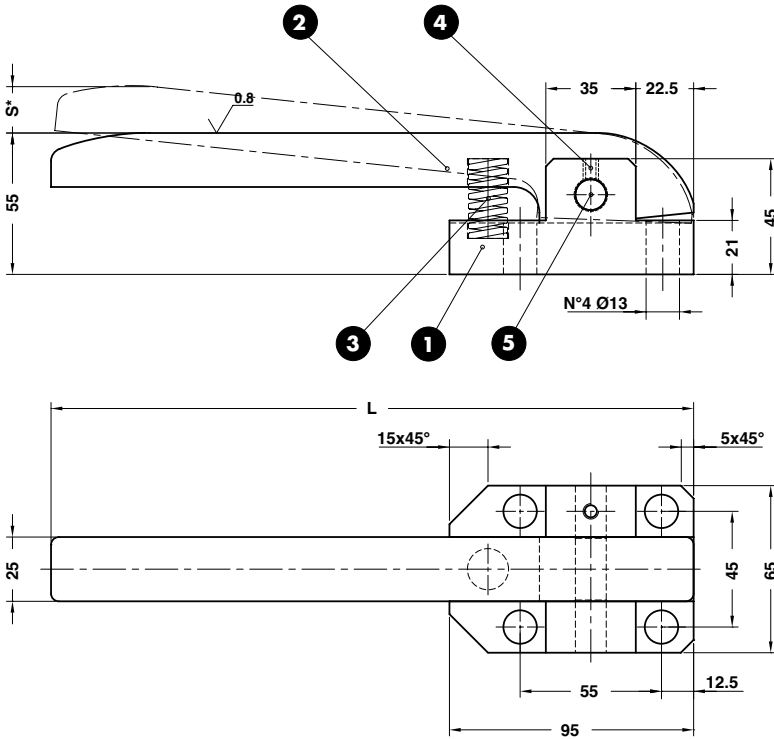
ORDER EXAMPLE	Art.	L1
	C16.21.	150

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

COIL SUPPORT - ABSTREIFER - SOLLEVATORE NASTRO

Notes

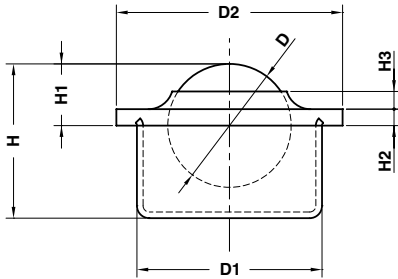
- 1 Material: CK45
- 2 Material: Bronze - HB>190
- 3 SPRING
- 4 M6x8 DIN 913
- 5 Ø12x60 DIN 6325



ORDER EXAMPLE	Art.	TYPE
	C16.25.	01

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

BALL CASTER - KUGELROLLENSYSTEM - SFERA PORTANTE



STOCK



Notes

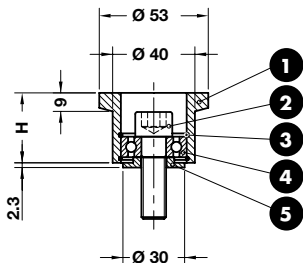
Material: Steel



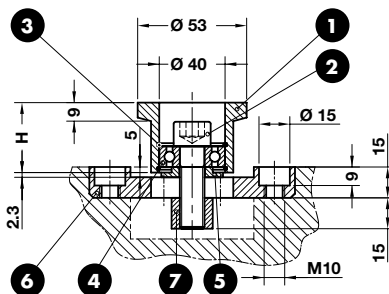
Art.	D=15
C16.26.	15

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

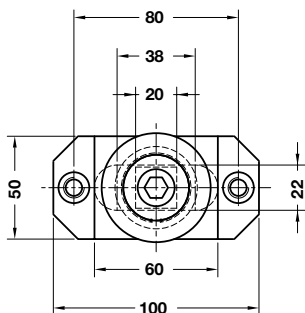
COIL GUIDE ROLLER - FÜHRUNGSROLLE - GUIDA NASTRO



TYPE 01



TYPE 02



TYPE 01



- Notes TYPE 01**
- 1 **Material:** 16MnCr5 - HRC: 55÷58
 - 2 M12x40 DIN 472
 - 3 **Material:** I32 DIN 472
 - 4 **Material:** 6201 2Z VA DIN 625
 - 5 **Material:** CK45



TYPE 02



- Notes TYPE 02**
- 1 **Material:** 16MnCr5 - HRC: 55÷58
 - 2 M12x40 DIN 472
 - 3 **Material:** I32 DIN 472
 - 4 **Material:** 6201 2Z VA DIN 625
 - 5 **Material:** CK45
 - 6 **Material:** St37
 - 7 **Material:** CK45

	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

Standard OMCR

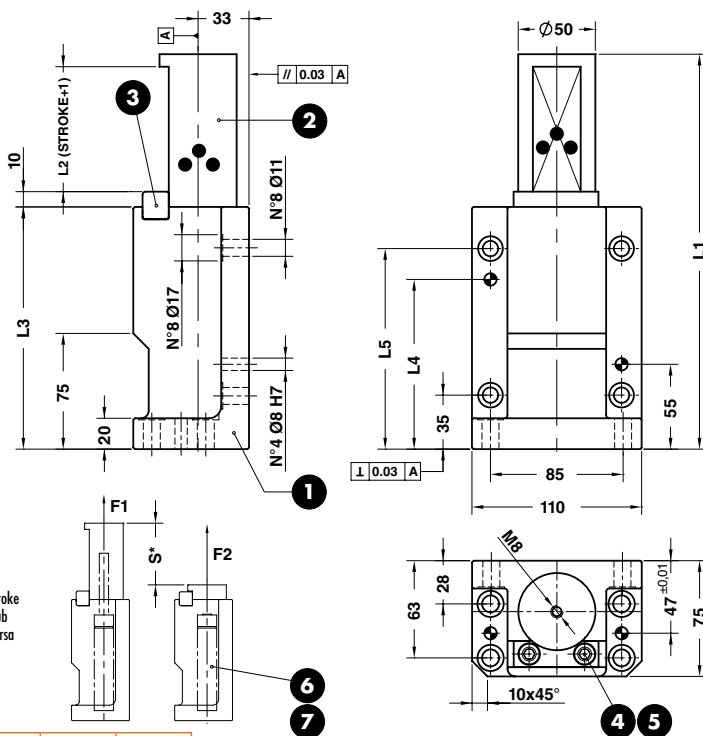
FLANGE LIFTER - ABSTREIFER - SFLANGIATORE



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



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



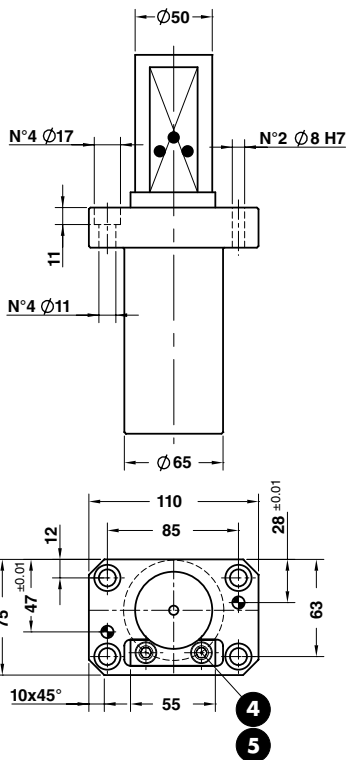
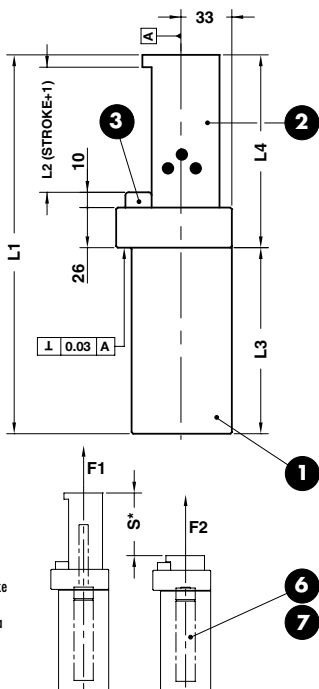
Do not exceed the stroke
Hub nicht überschreiten
Non superare la corsa

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



Standard OMCR



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

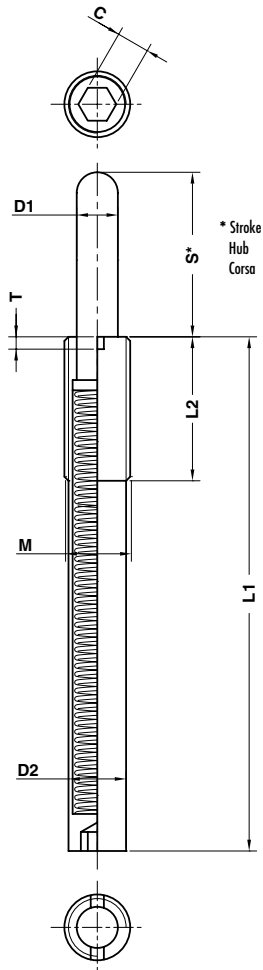
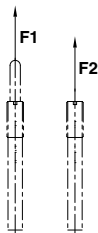
OMCR CODE	F1 (daN)	F2 (daN)	L1	L2	L3	L4	S
C16.31.50050	50	86	196	51	101	95	50
C16.31.50100	100	172	196	51	101	95	50
C16.31.50150	150	258	196	51	101	95	50
C16.31.50200	200	344	196	51	101	95	50
C16.31.80050	50	86	256	81	131	125	80
C16.31.80100	100	172	256	81	131	125	80
C16.31.80150	150	258	256	81	131	125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

SPRING PLUNGER - FEDERNE DRUCKSTÜCKE - ESPULSORE A MOLLA

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

Montage/demontage mit
Innensechskant und Schlitz
möglich.

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



* Stroke
Hub
Corsa



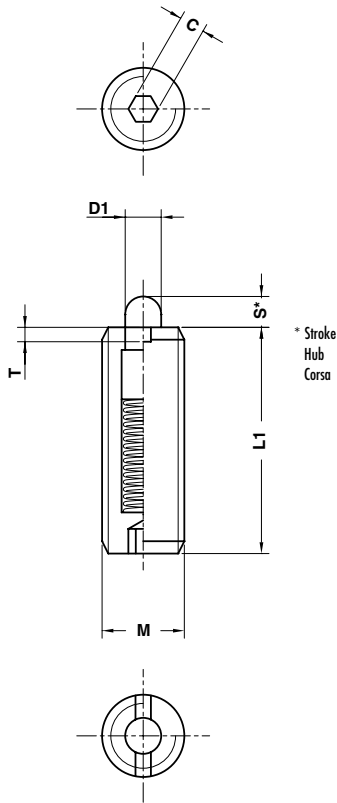
Notes

Material: Steel

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

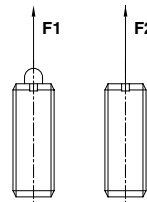
OMCR CODE	C	D1	D2	F1 (N)	F2 (N)	L1	L2	M	S	T
C16.40.M1210	4	5,5	9,5	7	40	45	35	M12	10	2
C16.40.M1615	5	8	13,4	15	80	60	35	M16	15	3
C16.40.M1620	5	8	13,4	17	80	85	35	M16	20	3
C16.40.M1630	5	8	13,4	20	80	125	35	M16	30	3
C16.40.M1640	8	8	13,4	20	80	125	35	M16	40	3
C16.40.M1650	8	8	13,4	30	100	155	35	M16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

SPRING PLUNGER - FEDERNE DRUCKSTÜCKE - ESPULSORE A MOLLA



Notes

Material: Steel

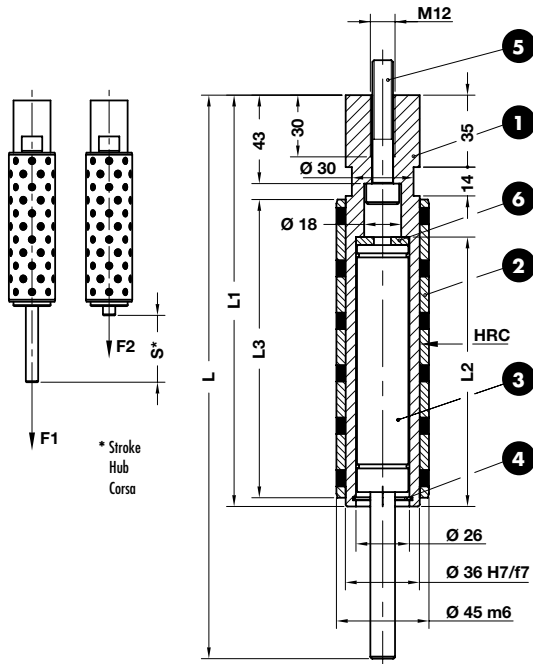


Standard OMCR

ORDER EXAMPLE	Art.	M=M3
	C16.45.	M03

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

SPRING RAMS - FEDERBOLZEN - SOLLEVATORE



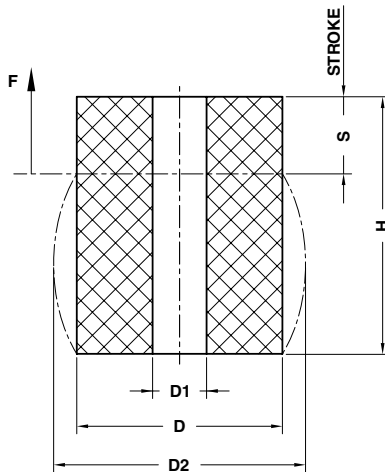
Notes

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

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

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

ELASTOMER SPRING - ELASTOMERFEDER - MOLLA IN ELASTOMERO



$S = \max. 30\% H$

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

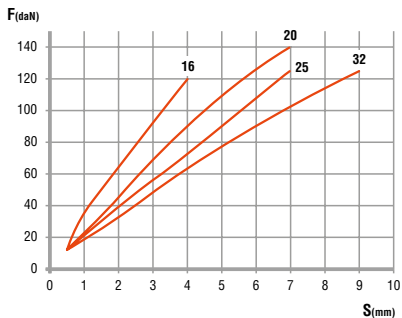
H	16	20	25	32	40	50	63	80	100	125
16	•	•	•	•						
20	•	•	•	•	•					
25	•	•	•	•	•	•				
32	•	•	•	•	•	•	•			
40		•	•	•	•	•	•	•		
50			•	•	•	•	•	•	•	
63				•	•	•	•	•	•	•
80					•	•	•	•	•	•
100						•	•	•	•	•
125							•	•	•	•
160								•	•	•

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								•	•	•	•

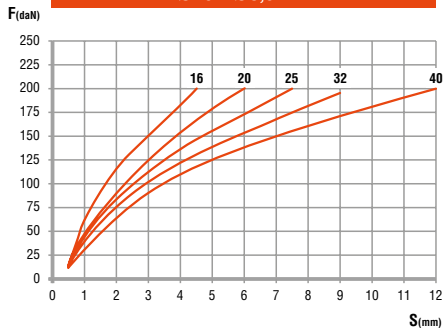
Standard OMCR

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

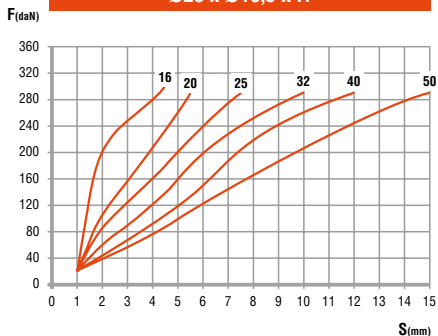
Ø16 x Ø6,5 x H



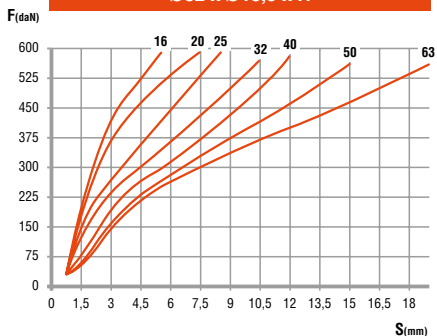
Ø20 x Ø8,5 x H



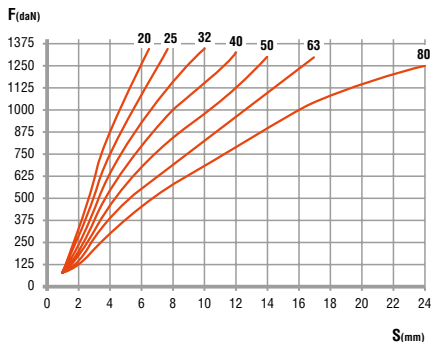
Ø25 x Ø10,5 x H



Ø32 x Ø13,5 x H

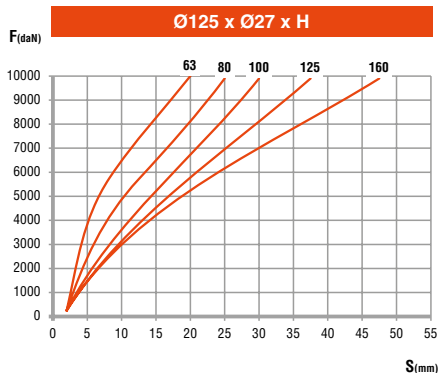
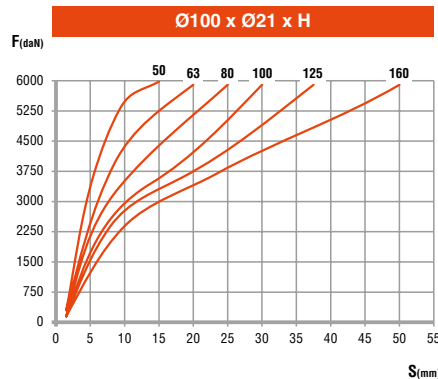
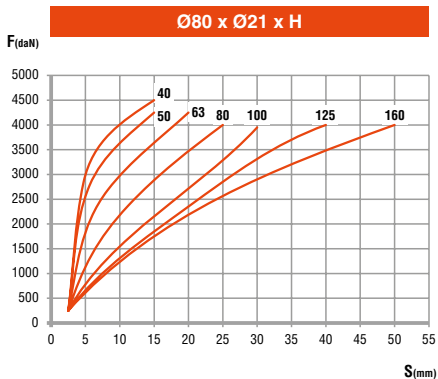
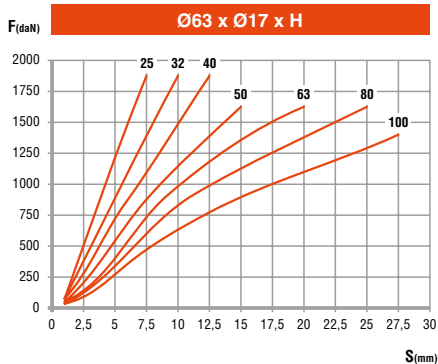
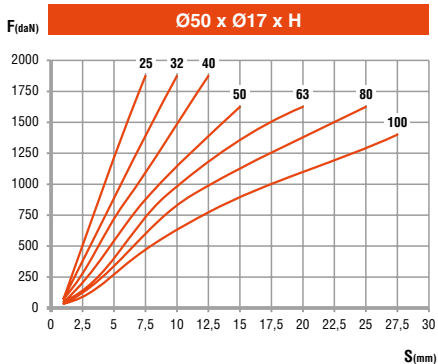


Ø40 x Ø13,5 x H

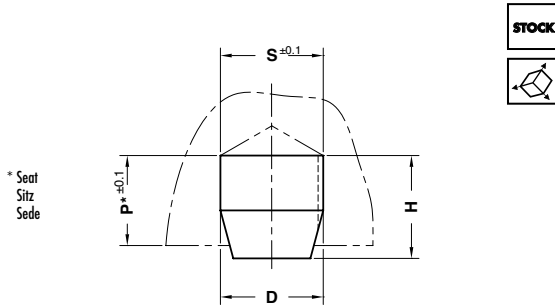


LOAD DIAGRAMS FOR ELASTOMER SPRINGS 92SH
KRAFT-WEG-DIAGRAMM ELASTOMERFEDERN 92SH
DIAGRAMMI DI CARICO MOLLE IN ELASTOMERO 92SH

Standard OMCR



ELASTOMER CAP - ELASTOMERDRUCKSTÜCK - PUNTALINO IN ELASTOMERO



Notes

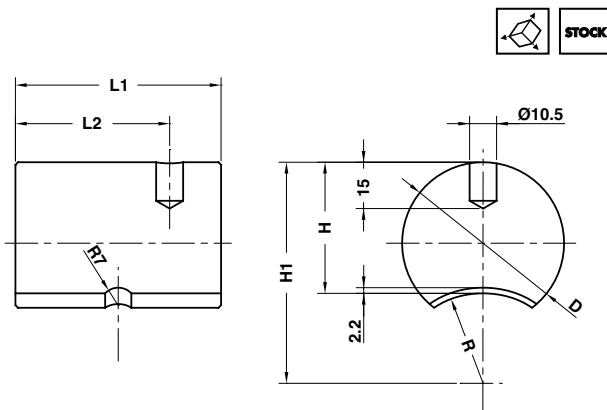
Material: Elastomer 92SH



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

SHOCK ABSORBER - HALTELEMENT - AMMORTIZZATORE



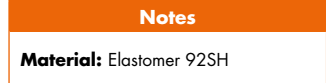
Notes

Material: Elastomer 92SH



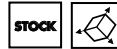
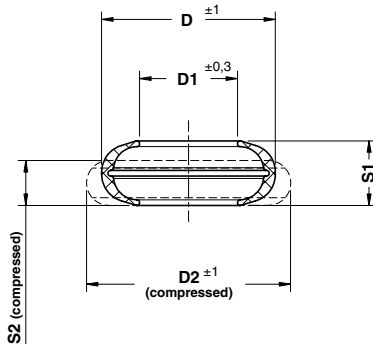
Art.	D=50	L1=80
C17.21.	50	80

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



Notes

Material: CO-Polyester Elastomer

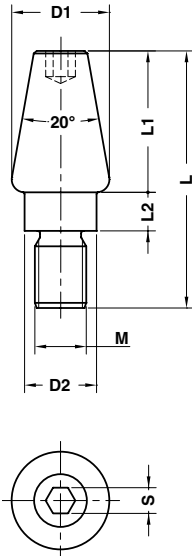
Standard OMCR



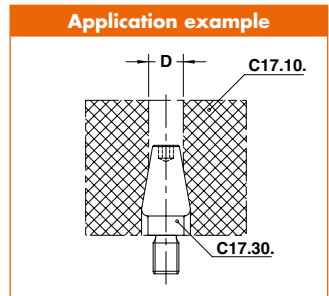
Art.	D=32,1	S1=10,8
C17.27.	321	108

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



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

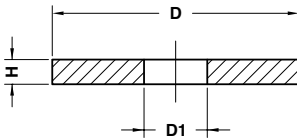
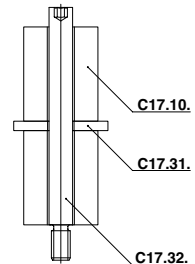
OMCR CODE	D	D1	D2	L	L1	L2	M	S
C17.30.28M12	17	28	19	56	30	8	M12	6
C17.30.32M16	21	32	22	74	40	10	M16	8
C17.30.38M20	27	38	28	100	55	15	M20	10



Notes

Material: CK45

Application example

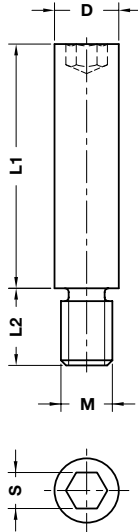


Art.	D=20
C17.31.	020

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

Standard OMCR

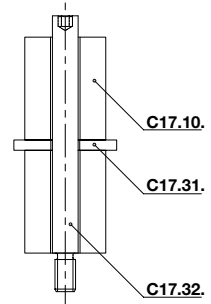
COLUMN DIN 9835 - FÜHRUNGSBOLZEN DIN 9835 - COLONNA DI GUIDA DIN 9835



Notes

Material: CK45

Application example

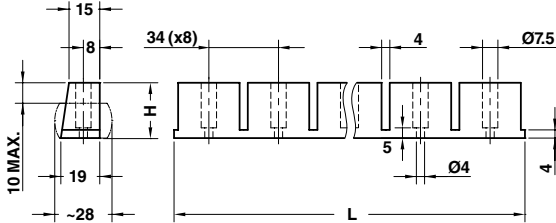


Art.	D=6	L1=20
C17.32.	06	020

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



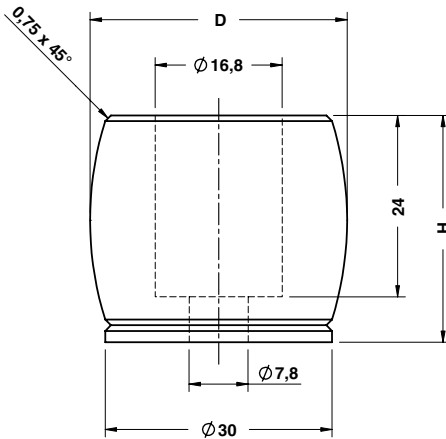
Notes
Material: Elastomer 70 SH

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

OMCR CODE	H	L
C17.40.27306	27	306

Standard OMCR

ANTI-REBOUND ELASTOMER - DÄMPFUNGELEMENT - AMMORTIZZATORE ANTRIMBALZO

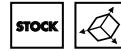
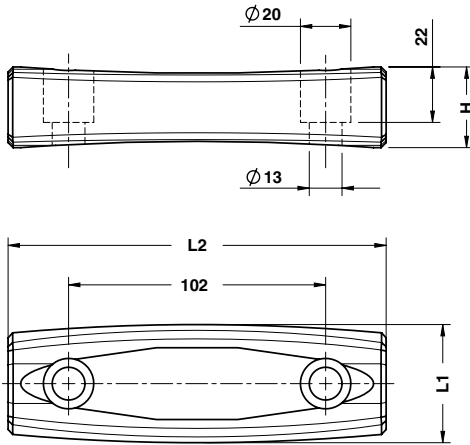


Notes
Material: CO-Polyester Elastomer

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

OMCR CODE	D	H
C17.51.3430	34	30

ANTI-REBOUND ELASTOMER - DÄMPFUNGSELEMENT - AMMORTIZZATORE ANTIRIMBALZO



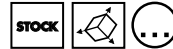
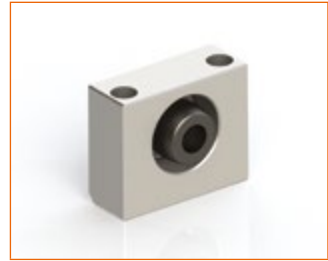
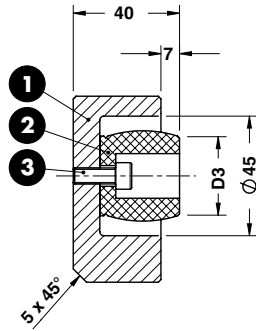
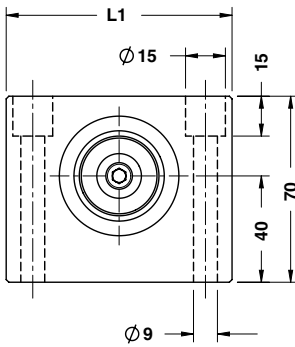
Notes

Material: CO-Polyester Elastomer

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

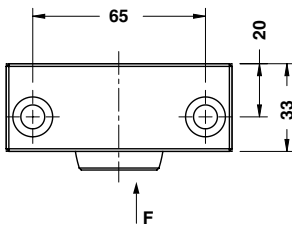
OMCR CODE	H	L1	L2
C17.52.3247150	32	47	150

ANTI-REBOUND SLIDE STOP - ARRETERUNG GEGEN RÜCKFEDERUNG - ARRESTO ANTRIMBALZO



Notes

- 1 Material: CK45
- 2 C17.51
- 3 M6x12 DIN 912

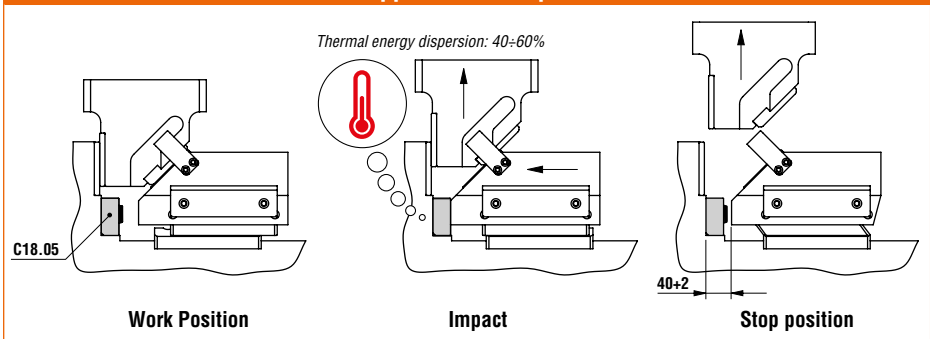


ORDER EXAMPLE	Art.	L1=85	D3=30
	C18.05.	85	30

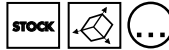
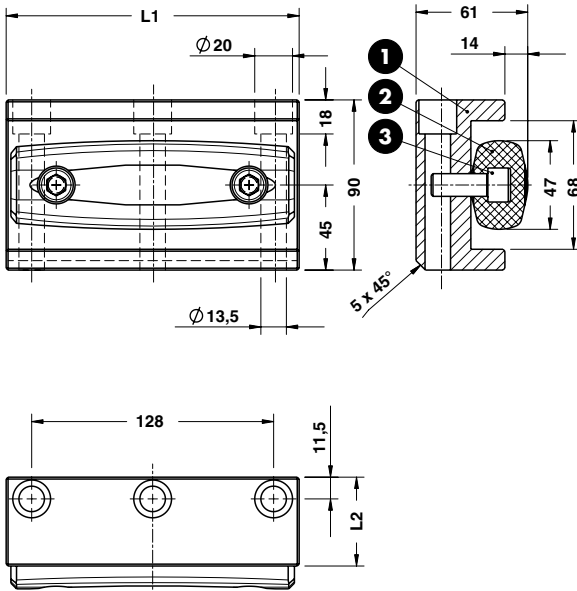
* Maximum absorbed energy
Energieaufnahme
Massima energia assorbita

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



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



Notes

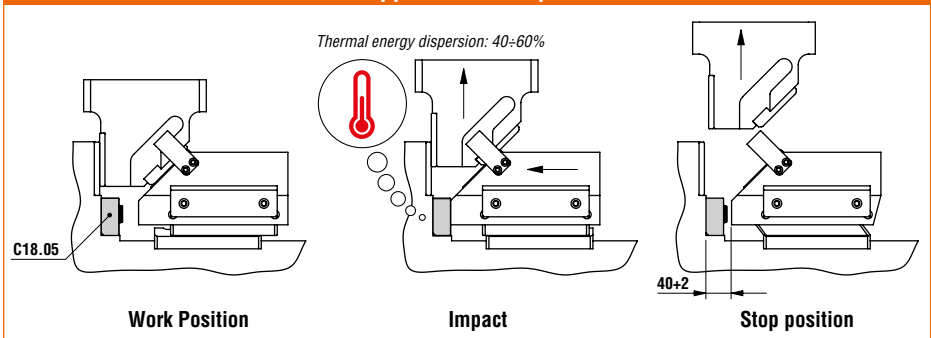
- 1 Material: CK45
- 2 C17.52
- 3 M10x30 DIN 912

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

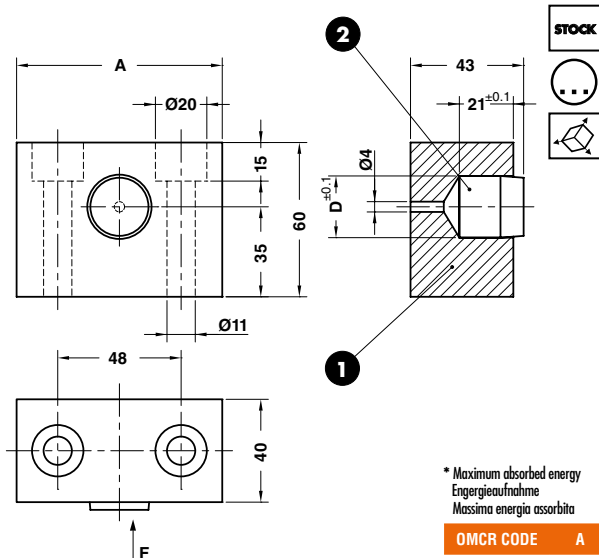
* Maximum absorbed energy
Energieaufnahme
Massima energia assorbita

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

Application example



SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA



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

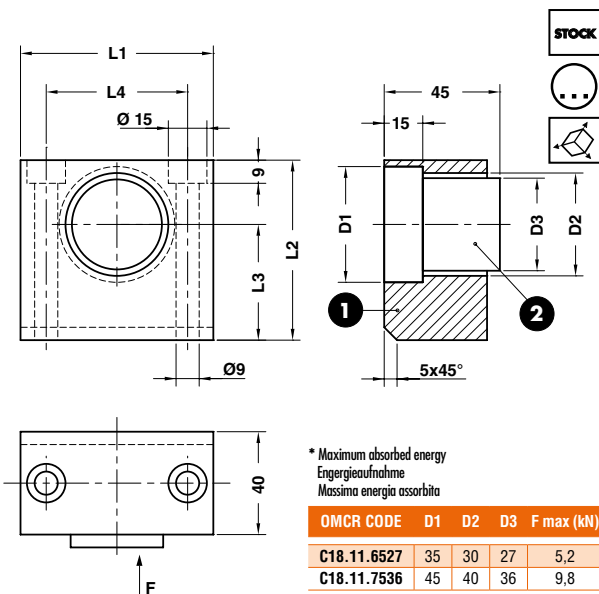
* Maximum absorbed energy
Energieaufnahme
Massima energia assorbita

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

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

Standard OMCR

SLIDE STOP BLOCK - SCHIEBERANSCHLAG - ARRESTO SLITTA



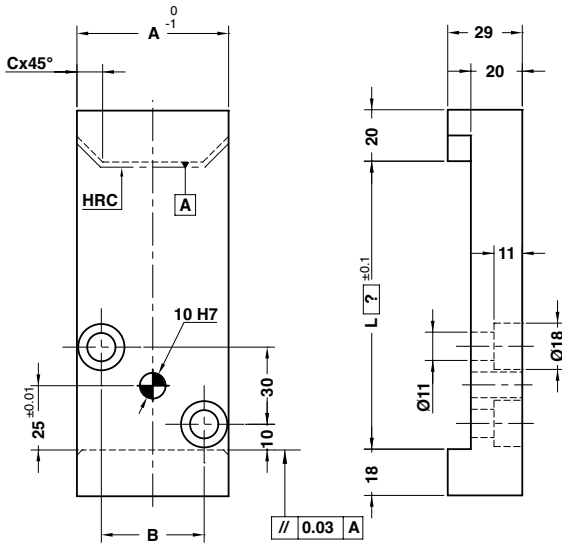
- Notes**
- 1 **Material:** CK45
 - 2 **Material:** Elastomer 90 SH

* Maximum absorbed energy
Energieaufnahme
Massima energia assorbita

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

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

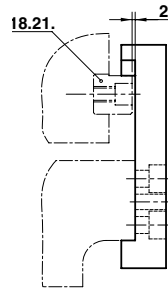
POSITIVE RETURN PLATE - ZWANGSRÜCKHOLER - GANCIO DI SICUREZZA



Notes

Material: CK45 - HRC: 52÷54

Application example



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

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

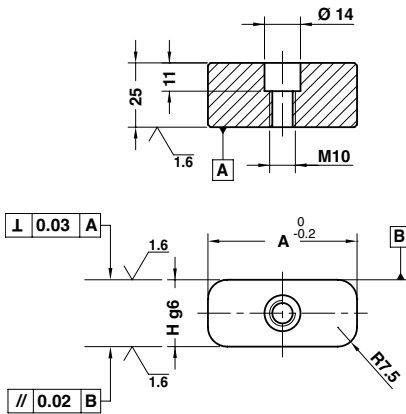
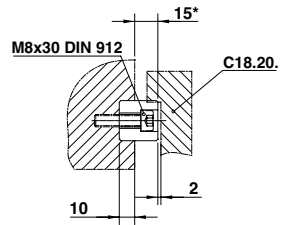
KEY - PASSFEDER - CHIAVETTA



Notes

Material: 90MnCrV8 - HRC: 58±60

Application example



* For adjustment
Für umrüsten
Per adattamento



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

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

Standard OMCR

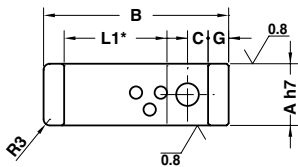
CAM BLANK-HOLDER GUIDE - FÜHRUNG FÜR ZIEHKISSEN - GUIDA PER PREMILAMIERA

Notes

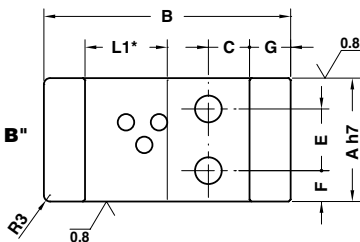
Material: Bronze + Graphite - HB >190



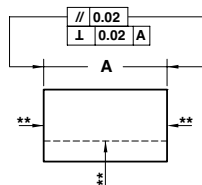
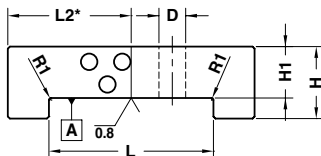
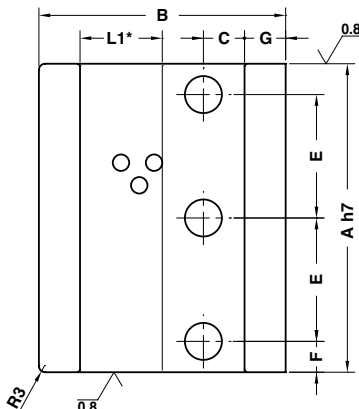
"FORM A"



"FORM B"



"FORM C"



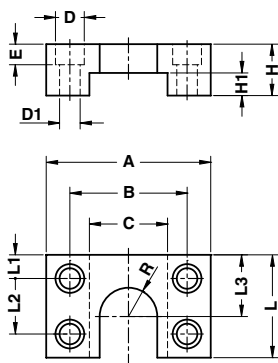
Art.	A=30	B=70
C18.25.	030	070

* 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

COUPLING PLATE – BEFESTIGUNGSPLATTE - STAFFA DI REAZIONE



Notes

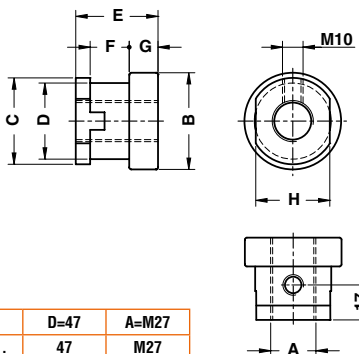
Material: CK45



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

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

COUPLING NUT - KUPPLUNGSMUTTER - AGGANCIAMENTO STAFFA



Notes

Material: CK45



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

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

