

KOLBENSTANGEN PISTON RODS

Technische Kurzinformation <i>Technical information</i>	Kurzzeichen: C <i>Symbol: C</i>
Werkstoff <i>Steel grade</i>	HSB = 20MnV6 - 1.5217 C45E - 1.1191 42CrMo4V - 1.7225 1.4301
Abmessungsbereich <i>Size range</i>	6 - 200 mm
Qualität 42CrMo4V (Randschicht induktivgehärtet auf 56 - 60 HRC) <i>Quality 42CrMo4V (surface layer induction-hardened to 56 - 60 HRC)</i>	A.D. O.D. 12 - 15,875 mm EHT 1,1 +/-0,3 mm A.D. O.D. 16 - 38,1 mm EHT 1,5 +/-0,4 mm A.D. O.D. 40 - 85 mm EHT 2,1 +/-0,5 mm A.D. O.D. 90 - 160 mm EHT 2,9 +/-0,7 mm
Passung <i>To fit</i>	A.D. O.D. ≤ 19,05 mm ISO f8 A.D. O.D. > 20 mm ISO f7
Ausführung <i>Finish</i>	geschliffen und hartverchromt <i>polished and hard chromium plated</i>
Schichtstärke <i>Chrome layer</i>	A.D. O.D. < 20 mm min. 14µ A.D. O.D. ≥ 20 mm min. 20µ
Rundheit <i>Roundness</i>	1/3 der Durchmesser-toleranz <i>1/3 of the O.D. tolerance</i>
Oberflächenrauigkeit <i>Surface roughness</i>	RA max. 0,25µ
Werkszeugnis <i>Certification</i>	EN 10204
Herstellungslänge <i>Production length</i>	5 - 7 m

KOLBENROHRE PISTON TUBES

Technische Kurzinformation <i>Technical information</i>	Kurzzeichen: CR <i>Symbol: CR</i>
Werkstoff <i>Steel grade</i>	E355 - 1.0580
Abmessungsbereich <i>Size range</i>	A.D. O.D. 20 - 160 mm W.D. W.T. 2,5 - 20 mm
Passung <i>To fit</i>	A.D. ISO f7 Innenoberfläche unbearbeitet <i>O.D. ISO f7 inner surface unmachined</i>
Ausführung <i>Finish</i>	geschliffen und hartverchromt <i>polished and hard chromium plated</i>
Schichtstärke <i>Chrome layer</i>	min. 20µ
Herstellungslänge <i>Production length</i>	4 - 7 m

Ab Werkslager liefern wir weitere Dimensionen und Werkstoffe.
We also supply ex works stock additional dimensions and steel grades.

A.D. Außendurchmesser
O.D. outside diameter

I.D. Innendurchmesser
I.D. inside diameter

W.D. Wanddicke
W.T. wall thickness

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A.D. O.D. mm	A.D. O.D. Zoll / Inch	Kg/m	C HSB 20MnV6	C C45E	C ind. geh. 42CrMo4 + QT	C 1.4301
6		0,222	● f8	● f8		
6,35	1/4"	0,249		● f8		
8		0,395	● f8	● f8		
9,525	3/8"	0,559	● f8	● f8		
10		0,617	● f8	● f8		
		0,648				● f7
12		0,888	● f8	● f8	● f8	
12,7	1/2"	0,994	● f8			
14		1,21	● f8	● f8	● f8	
15		1,39	● f8	● f8	● f8	
		1,46				● f7
15,875	5/8"	1,55	● f8	● f8		
16		1,58	● f8	● f8	● f8	
		1,6				● f7
18		2	● f8	● f8	● f8	
19,05	3/4"	2,24	● f8	● f8	● f8	
20		2,47	● f7	● f7	● f7	
		2,59				● f7
22		2,98	● f7	● f7	● f7	
22,225	7/8"	3,05	● f7	● f7	● f7	
24		3,55	● f7		● f7	
25		3,85	● f7	● f7	● f7	
		4,05				● f7
25,4	1"	3,98	● f7	● f7	● f7	
26		4,17	● f7	● f7		
28		4,83	● f7	● f7	● f7	
		5,08				● f7
28,575	1 1/8"	5,03	● f7	● f7	● f7	
30		5,55	● f7	● f7	● f7	
		5,83				● f7
31,75	1 1/4"	6,22	● f7	● f7	● f7	
32		6,31	● f7	● f7	● f7	
34,925	1 3/8"	7,52	● f7	● f7		
35		7,55	● f7	● f7	● f7	
		7,93				● f7
36		7,99	● f7	● f7	● f7	
		8,39				● f7
37		8,44	● f7			
38		8,9	● f7	● f7	● f7	
38,1	1 1/2"	8,95	● f7	● f7	● f7	
40		9,86	● f7	● f7	● f7	
		10,36				● f7
42		10,88	● f7	● f7	● f7	
44,45	1 3/4"	12,18	● f7	● f7	● f7	
45		12,48	● f7	● f7	● f7	
		13,11				● f7
48		14,2	● f7	● f7		
50		15,41	● f7	● f7	● f7	
		16,18				● f7
50,8	2"	15,91	● f7	● f7	● f7	
52		16,67	● f7	● f7		
55		18,65	● f7	● f7	● f7	
		19,58				● f7
56		19,33	● f7	● f7	● f7	
		20,3				● f7
57,15	2 1/4"	20,14	● f7	● f7	● f7	
60		22,19	● f7	● f7	● f7	
		23,3				● f7
63		24,47	● f7	● f7	● f7	
		25,69				● f7
63,5	2 1/2"	24,86	● f7	● f7	● f7	

A.D. O.D. mm	A.D. O.D. Zoll / Inch	Kg/m	C HSB 20MnV6	C C45E	C ind. geh. 42CrMo4 + QT	C 1.4301
65		26,05	● f7	● f7	● f7	
68		28,51	● f7	● f7		
69,85	2 3/4"	30,08	● f7	● f7	● f7	
70		30,21	● f7	● f7	● f7	
		31,72				● f7
75		34,68	● f7	● f7	● f7	
		36,41				● f7
76,2	3"	35,8	● f7	● f7	● f7	
80		39,46	● f7	● f7	● f7	
		41,43				● f7
82,55	3 1/4"	42,01	● f7	● f7	● f7	
85		44,54	● f7	● f7	● f7	
88,9	3 1/2"	48,72	● f7	● f7	● f7	
90		49,94	● f7	● f7	● f7	
		52,43				● f7
95		55,64	● f7	● f7	● f7	
100		61,65	● f7	● f7	● f7	
		64,73				● f7
101,6	4"	63,64	● f7	● f7	● f7	
105		67,97	● f7	● f7	● f7	
110		74,6	● f7	● f7	● f7	
		78,33				● f7
114,3	4 1/2"	80,54	● f7	● f7	● f7	
115		81,53	● f7	● f7	● f7	
120		88,78	● f7	● f7	● f7	
125		96,33	● f7	● f7	● f7	
127	5"	99,44	● f7	● f7	● f7	
130		104,19	● f7	● f7	● f7	
140		120,83	● f7	● f7	● f7	
150		138,71	● f7	● f7	● f7	
160		157,82	● f7	● f7	● f7	
180		199,75	● f7	● f7		
200		246,6	● f7	● f7		

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A.D. O.D. mm	W.D. W.T. mm	I.D. I.D. mm	Kg/m	CR E355
20	3	14	1,26	● f7
	4	12	1,58	● f7
25	2,5	20	1,39	● f7
	3,5	18	1,86	● f7
	5	15	2,47	● f7
30	5	20	3,08	● f7
	7,5	15	4,16	● f7
32	5	22	3,33	● f7
	6	20	3,85	● f7
35	5	25	3,7	● f7
	7,5	20	5,09	● f7
	10	15	6,17	● f7
36	6	24	4,44	● f7
40	5	30	4,32	● f7
	7,5	25	6,01	● f7
	10	20	7,4	● f7
45	5	35	4,93	● f7
	7,5	30	6,94	● f7
	10	25	8,63	● f7
50	5	40	5,55	● f7
	7,5	35	7,86	● f7
	10	30	9,86	● f7
	12,5	25	11,56	● f7
55	5	45	6,17	● f7
	7,5	40	8,79	● f7
	10	35	11,1	● f7
60	5	50	6,78	● f7
	7,5	45	9,71	● f7
	10	40	12,33	● f7
63	7,5	48	10,27	● f7
	10	43	13,07	● f7
65	5	55	7,4	● f7
	7,5	50	10,64	● f7
	10	45	13,56	● f7
70	5	60	8,02	● f7
	7,5	55	11,56	● f7
	10	50	14,8	● f7
	12,5	45	17,72	● f7
	15	40	20,35	● f7
75	7,5	60	12,48	● f7
80	5	70	9,25	● f7
	7,5	65	13,41	● f7
	10	60	17,26	● f7
	15	50	24,04	● f7
85	5	75	9,86	● f7
	10	65	18,5	● f7
90	5	80	10,48	● f7
	10	70	19,73	● f7
100	5	90	11,71	● f7
	7,5	85	17,11	● f7
	10	80	22,19	● f7
110	10	90	24,66	● f7
115	7,5	100	19,88	● f7
120	10	100	27,13	● f7
125	10	105	28,36	● f7
	12,5	100	34,68	● f7
130	15	100	42,54	● f7
140	7,5	125	24,51	● f7
	10	120	32,06	● f7
160	20	120	69,05	● f7