

Product range Mechanical engineering components

1. Piston rods induction hardened 42CrMo4QT,

induction hardened HRC 56-64, ground,
hard chrome-plated 20+/-5 µm,
polished Ra <=0,30 µm, Tolerance f7

2. Precision steel shafts

standard version Cf53/C55E,
induction hardened HRC 60-66, ground,
polished Ra <=0,30 µm, Tolerance h6 / h7

3. Precision steel shafts

hard chrome-plated Cf53/C55E,
induction hardened HRC 60-66, ground,
hard chrome-plated 10+/-5 µm, polished
Ra <=0,30 µm, Tolerance h6 / h7

4. Precision steel shafts stainless

1.4034 X46Cr13,
induction hardened =>HRC 54 ground,
polished Ra <=0,30 µm, Tolerance h6 / h7

5. Precision steel shafts stainless

1.4112 X90CrMoV18,
induction hardened HRC 53-59, ground,
polished Ra <=0,30 µm, Tolerance h6 / h7

6. Precision hollow steel shafts C60,

induction hardened HRC 60-66, ground,
polished Ra <=0,30 µm, Tolerance h6 / h7

7. Guide rails C60,

induction hardened HRC 60-66,
plough ground Ra <=0,80 µm, Tolerance IT 9,
fine ground Ra <=0,40 µm, Tolerance IT 7

Standard Dimensions:

50 x 50 60 x 20 70 x 20 80 x 20 100 x 25

8. High-speed-steel 1.3343 HS 6-5-2,

through hardened and tempered HRC 62 -66
ground, polished Ra=< 0,30 µm
ø < 20 mm, dimensions on request

9. Bearing steel 1.3505 100Cr6,

through hardened and tempered HRC 58 - 62
ground, polished Ra=< 0,30 µm
ø < 20 mm, dimensions on request

Standard production line

The sections marked with tolerance are on stock with the described specification. Special dimensions are available on request. For more Technical Details please also see our latest Material Data Sheets.

// Execution						
Ø mm	1.	2.	3.	4.	5.	6.
4				h6/h7		
5		h6/h7		h6/h7		
6		h6/h7		h6/h7	h6/h7	
8		h6/h7	h6/h7	h6/h7	h6/h7	
10		h6/h7	h6/h7	h6/h7	h6/h7	
12	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
14	f7	h6/h7	h6/h7			
15		h6/h7				
16	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
18	f7	h6/h7				
20	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
22	f7	h6/h7				
25	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
28	f7					
30	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
32	f7	h6/h7				
35	f7	h6/h7				
36	f7	h6/h7				
40	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
45	f7	h6/h7				
50	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
55						
56	f7					
60	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
63	f7					
65						
70	f7	h6/h7				
75	f7					
80	f7	h6/h7	h6/h7	h6/h7	h6/h7	h6/h7
82	f7					
90	f7					
100	f7	h6/h7				
110	f7					

The specifications of this Data Sheet are for information only and may be subject to change without notice.



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