



Description

Material:

- 100 Cr 6 (1.3505); 16 MnCr 5 (1.7131); or similar ball bearing steel alloys;
- carefully heat-treated; hardness rating HRC 60-64/HV 720-815;
- depending on diameter minimum depth of case hardness 0.8 - 1.5 mm (up to diameter D = 10 throughhardened).

Characteristics:

- guide shaft with double-sided thread;
- hardened guide shaft with precision ground surface;
- suitable for high-precision rotary stroke bearings;
- when used with MarMotion guide bushes and ball cages, preloading is ensured;
- * in the dimension drawing stands for the conductivity side;
- *1 in the dimension drawing stands for the press-in side;
- guide diameter D is precision ground and lapped to ISO h3, R less than 1 µm;
- D at 12 - 20 = M6 x 16;
- D at 25 - 40 = M8 x 20;
- roundness within 1/3 ISO-IT3;
- straightness within 5 µm/100 mm;
- ends are either rounded or have lead-in taper;
- for instructions about installation and maintenance, please refer to the appendix.

Special requests:

Other dimensions or designs based on workpiece drawings are available, also of stainless steel 440B (1. 4112).

Article Code	D	L	L1	d	I	Material
DI18.1206.0800	12	80	3	M6	15	Steel
DI18.1206.1000	12	100	3	M6	15	Steel
DI18.1206.1250	12	125	3	M6	15	Steel
DI18.1206.1400	12	140	3	M6	15	Steel
DI18.1206.1600	12	160	3	M6	15	Steel
DI18.1206.1800	12	180	3	M6	15	Steel
DI18.1206.2000	12	200	3	M6	15	Steel
DI18.1206.2500	12	250	3	M6	15	Steel
DI18.1206.3000	12	300	3	M6	15	Steel
DI18.1406.1000	14	100	3	M6	15	Steel
DI18.1406.1250	14	125	3	M6	15	Steel
DI18.1406.1400	14	140	3	M6	15	Steel
DI18.1406.1600	14	160	3	M6	15	Steel
DI18.1406.1800	14	180	3	M6	15	Steel
DI18.1406.2200	14	220	3	M6	15	Steel
DI18.1506.1250	15	125	3	M6	15	Steel
DI18.1506.1600	15	160	3	M6	15	Steel
DI18.1506.1800	15	180	3	M6	15	Steel
DI18.1506.2000	15	200	3	M6	15	Steel

Article Code	D	L	L1	d	I	Material
DI18.1606.1000	16	100	3	M6	15	Steel
DI18.1606.1250	16	125	3	M6	15	Steel
DI18.1606.1400	16	140	3	M6	15	Steel
DI18.1606.1600	16	160	3	M6	15	Steel
DI18.1606.1800	16	180	3	M6	15	Steel
DI18.1606.2000	16	200	3	M6	15	Steel
DI18.1606.2200	16	220	3	M6	15	Steel
DI18.1606.2500	16	250	3	M6	15	Steel
DI18.1606.3000	16	300	3	M6	15	Steel
DI18.1606.3500	16	350	3	M6	15	Steel
DI18.1806.1000	18	100	3	M6	15	Steel
DI18.1806.1400	18	140	3	M6	15	Steel
DI18.1806.1600	18	160	3	M6	15	Steel
DI18.1806.1800	18	180	3	M6	15	Steel
DI18.1806.2000	18	200	3	M6	15	Steel
DI18.1806.2500	18	250	3	M6	15	Steel
DI18.1806.3000	18	300	3	M6	15	Steel
DI18.2006.1100	20	110	3	M6	15	Steel
DI18.2006.1250	20	125	3	M6	15	Steel
DI18.2006.1400	20	140	3	M6	15	Steel
DI18.2006.1600	20	160	3	M6	15	Steel
DI18.2006.1800	20	180	3	M6	15	Steel
DI18.2006.2000	20	200	3	M6	15	Steel
DI18.2006.2500	20	250	3	M6	15	Steel
DI18.2006.3000	20	300	3	M6	15	Steel
DI18.2006.3500	20	350	3	M6	15	Steel
DI18.2006.4000	20	400	3	M6	15	Steel
DI18.2506.1400	25	140	4	M8	20	Steel
DI18.2506.1500	25	150	4	M8	20	Steel
DI18.2506.1600	25	160	4	M8	20	Steel
DI18.2506.1800	25	180	4	M8	20	Steel
DI18.2506.2000	25	200	4	M8	20	Steel
DI18.2506.2200	25	220	4	M8	20	Steel
DI18.2506.2500	25	250	4	M8	20	Steel
DI18.2506.3000	25	300	4	M8	20	Steel
DI18.2506.3500	25	350	4	M8	20	Steel
DI18.2506.4000	25	400	4	M8	20	Steel
DI18.2506.5000	25	500	4	M8	20	Steel
DI18.3206.1600	32	160	4	M8	20	Steel
DI18.3206.1800	32	180	4	M8	20	Steel
DI18.3206.2000	32	200	4	M8	20	Steel
DI18.3206.3000	32	300	4	M8	20	Steel
DI18.3206.3500	32	350	4	M8	20	Steel
DI18.3206.4000	32	400	4	M8	20	Steel
DI18.3206.5000	32	500	4	M8	20	Steel
DI18.3206.6000	32	600	4	M8	20	Steel
DI18.4006.1800	40	180	5	M8	20	Steel
DI18.4006.2000	40	200	5	M8	20	Steel
DI18.4006.2200	40	220	5	M8	20	Steel
DI18.4006.2400	40	240	5	M8	20	Steel
DI18.4006.2600	40	260	5	M8	20	Steel
DI18.4006.3000	40	300	5	M8	20	Steel
DI18.4006.3500	40	350	5	M8	20	Steel
DI18.4006.4500	40	450	5	M8	20	Steel