



## Description

### Material:

- **D = 2,5 - 6,0:** X155 CrVMo 12 1 (1.2379);
- **D = 8,0 - 40,0:** 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 DIN 9825;
- 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	Material
DI15.0206.0300	2,5	30	1,0	X155
DI15.0206.0400	2,5	40	1,0	X155
DI15.0206.0500	2,5	50	1,0	X155
DI15.0206.0600	2,5	60	1,0	X155
DI15.0206.0800	2,5	80	1,0	X155
DI15.0306.0300	3,0	30	1,5	X155
DI15.0306.0400	3,0	40	1,5	X155
DI15.0306.0600	3,0	60	1,5	X155
DI15.0306.0800	3,0	80	1,5	X155
DI15.0406.0500	4,0	50	1,5	X155
DI15.0406.0600	4,0	60	1,5	X155
DI15.0406.0800	4,0	80	1,5	X155
DI15.0406.1000	4,0	100	1,5	X155
DI15.0506.0500	5,0	50	1,5	X155
DI15.0506.0600	5,0	60	1,5	X155
DI15.0506.0800	5,0	80	1,5	X155
DI15.0506.1000	5,0	100	1,5	X155
DI15.0606.0600	6,0	60	2,0	X155

Article Code	D	L	L1	Material
DI15.0606.0800	6,0	80	2,0	X155
DI15.0606.1000	6,0	100	2,0	X155
DI15.0606.1250	6,0	125	2,0	X155
DI15.0606.1400	6,0	140	2,0	X155
DI15.0606.1600	6,0	160	2,0	X155
DI15.0606.1800	6,0	180	2,0	X155
DI15.0806.0600	8,0	60	2,0	100 Cr 6
DI15.0806.0800	8,0	80	2,0	100 Cr 6
DI15.0806.0900	8,0	90	2,0	100 Cr 6
DI15.0806.1000	8,0	100	2,0	100 Cr 6
DI15.0806.1250	8,0	125	2,0	100 Cr 6
DI15.0806.1400	8,0	140	2,0	100 Cr 6
DI15.0806.1600	8,0	160	2,0	100 Cr 6
DI15.0806.1800	8,0	180	2,0	100 Cr 6
DI15.0806.2000	8,0	200	2,0	100 Cr 6
DI15.1006.0800	10,0	80	3,0	100 Cr 6
DI15.1006.1000	10,0	100	3,0	100 Cr 6
DI15.1006.1250	10,0	125	3,0	100 Cr 6
DI15.1006.1400	10,0	140	3,0	100 Cr 6
DI15.1006.1600	10,0	160	3,0	100 Cr 6
DI15.1006.1800	10,0	180	3,0	100 Cr 6
DI15.1006.2000	10,0	200	3,0	100 Cr 6
DI15.1006.2500	10,0	250	3,0	100 Cr 6
DI15.1206.0800	12,0	80	3,0	100 Cr 6
DI15.1206.1000	12,0	100	3,0	100 Cr 6
DI15.1206.1250	12,0	125	3,0	100 Cr 6
DI15.1206.1400	12,0	140	3,0	100 Cr 6
DI15.1206.1600	12,0	160	3,0	100 Cr 6
DI15.1206.1800	12,0	180	3,0	100 Cr 6
DI15.1206.2000	12,0	200	3,0	100 Cr 6
DI15.1206.2500	12,0	250	3,0	100 Cr 6
DI15.1206.3000	12,0	300	3,0	100 Cr 6
DI15.1406.1000	14,0	100	3,0	100 Cr 6
DI15.1406.1250	14,0	125	3,0	100 Cr 6
DI15.1406.1400	14,0	140	3,0	100 Cr 6
DI15.1406.1600	14,0	160	3,0	100 Cr 6
DI15.1406.1800	14,0	180	3,0	100 Cr 6
DI15.1406.2200	14,0	220	3,0	100 Cr 6
DI15.1506.1250	15,0	125	3,0	100 Cr 6
DI15.1506.1600	15,0	160	3,0	100 Cr 6
DI15.1506.1800	15,0	180	3,0	100 Cr 6
DI15.1506.2000	15,0	200	3,0	100 Cr 6
DI15.1606.1000	16,0	100	3,0	100 Cr 6
DI15.1606.1250	16,0	125	3,0	100 Cr 6
DI15.1606.1400	16,0	140	3,0	100 Cr 6
DI15.1606.1600	16,0	160	3,0	100 Cr 6
DI15.1606.1800	16,0	180	3,0	100 Cr 6
DI15.1606.2000	16,0	200	3,0	100 Cr 6
DI15.1606.2200	16,0	220	3,0	100 Cr 6
DI15.1606.2500	16,0	250	3,0	100 Cr 6
DI15.1606.3000	16,0	300	3,0	100 Cr 6
DI15.1606.3500	16,0	350	3,0	100 Cr 6
DI15.1806.1000	18,0	100	3,0	100 Cr 6
DI15.1806.1400	18,0	140	3,0	100 Cr 6
DI15.1806.1600	18,0	160	3,0	100 Cr 6
DI15.1806.1800	18,0	180	3,0	100 Cr 6
DI15.1806.2000	18,0	200	3,0	100 Cr 6
DI15.1806.2500	18,0	250	3,0	100 Cr 6

Article Code	D	L	L1	Material
DI15.1806.3000	18,0	300	3,0	100 Cr 6
DI15.2006.1100	20,0	110	3,0	100 Cr 6
DI15.2006.1250	20,0	125	3,0	100 Cr 6
DI15.2006.1400	20,0	140	3,0	100 Cr 6
DI15.2006.1600	20,0	160	3,0	100 Cr 6
DI15.2006.1800	20,0	180	3,0	100 Cr 6
DI15.2006.2000	20,0	200	3,0	100 Cr 6
DI15.2006.2500	20,0	250	3,0	100 Cr 6
DI15.2006.3000	20,0	300	3,0	100 Cr 6
DI15.2006.3500	20,0	350	3,0	100 Cr 6
DI15.2006.4000	20,0	400	3,0	100 Cr 6
DI15.2506.1400	25,0	140	4,0	100 Cr 6
DI15.2506.1500	25,0	150	4,0	100 Cr 6
DI15.2506.1600	25,0	160	4,0	100 Cr 6
DI15.2506.1800	25,0	180	4,0	100 Cr 6
DI15.2506.2000	25,0	200	4,0	100 Cr 6
DI15.2506.2200	25,0	220	4,0	100 Cr 6
DI15.2506.2500	25,0	250	4,0	100 Cr 6
DI15.2506.3000	25,0	300	4,0	100 Cr 6
DI15.2506.3500	25,0	350	4,0	100 Cr 6
DI15.2506.4000	25,0	400	4,0	100 Cr 6
DI15.2506.5000	25,0	500	4,0	100 Cr 6
DI15.3206.1600	32,0	160	4,0	100 Cr 6
DI15.3206.1800	32,0	180	4,0	100 Cr 6
DI15.3206.2000	32,0	200	4,0	100 Cr 6
DI15.3206.3000	32,0	300	4,0	100 Cr 6
DI15.3206.3500	32,0	350	4,0	100 Cr 6
DI15.3206.4000	32,0	400	4,0	100 Cr 6
DI15.3206.5000	32,0	500	4,0	100 Cr 6
DI15.3206.6000	32,0	600	4,0	100 Cr 6
DI15.4006.1800	40,0	180	5,0	100 Cr 6
DI15.4006.2000	40,0	200	5,0	100 Cr 6
DI15.4006.2200	40,0	220	5,0	100 Cr 6
DI15.4006.2400	40,0	240	5,0	100 Cr 6
DI15.4006.2600	40,0	260	5,0	100 Cr 6
DI15.4006.3000	40,0	300	5,0	100 Cr 6
DI15.4006.3500	40,0	350	5,0	100 Cr 6
DI15.4006.4500	40,0	450	5,0	100 Cr 6