



Description

Material:

- stop: steel;
- bush: ball bearing steel 100Cr 6 (1.2067 respectively 1.3505);
- careful heat treatment, hardness HRC 60-64 / HV 720-815.

Characteristics:

- version similar to DE14 but with fixed stops on both sides for use with ball cages from the DD14 series;
- reduced installation space in combination with ball cages from DD14;
- in combination with shaft diameter D ISO-h3, a pre-stressing of the ball guide is guaranteed;
- the stop is an effective cage limit for linear and rotating movements ;
- the smooth running of the ball guide are not affected by the stops ;
- fixed stops on both sides;
- the closed guide bush together with the in factory-fitted ball cage form one component;
- conductor diameter D1 finely honed for ISO tolerance IT 3, Rz 0.5 - 1.5 µm depending on the diameter;
- roundness within 1/3 ISO-IT 3;
- cylindricity within IT 1;
- rotation accuracy of a pre-stressed shaft within 0.0005 mm;
- outside diameter D2 n4 with a turning accuracy within IT 4 with respect to guide diameter D1 ground, one-sided with search edge;
- the maximum stroke length H is determined by the length of the guide bush (l) and the ball cage (L): $H \text{ (max)} = 2 \text{ (l - L)}$;
- L1 - L5 in the table represents the cage length (L) / stroke length; list box;
- Type 1: D = 3 - 14; type 2: D = 18;
- for installation and maintenance instructions, please refer to the appendix.

Special requests:

Other dimensions, designs or materials are also available according to the drawing (stainless steel 44B (1. 14112)).

Article Code	D	D1	L	D2	I	L1	L2	L3	L4	L5	Type	Material
DE16.0306.0120	3	5	12,5	7	11	10/2					1	Steel hardened
DE16.0306.0150	3	5	15,0	7	13	12,5/1	10/16				1	Steel hardened
DE16.0306.0200	3	5	20,0	7	18	15/6	12,5/11	10/16			1	Steel hardened
DE16.0406.0150	4	6	15,0	8	13	10/6					1	Steel hardened
DE16.0406.0250	4	6	25,0	8	23	20/6	15/16	10/26			1	Steel hardened
DE16.0506.0200	5	7	20,0	10	18	15/6	10/16				1	Steel hardened
DE16.0506.0300	5	7	30,0	10	28	20/16	15/26	10/36			1	Steel hardened
DE16.0606.0200	6	8	20,0	11	18	15/6	10/16				1	Steel hardened
DE16.0606.0350	6	8	35,0	11	33	25/16	20/26	15/36			1	Steel hardened
DE16.0806.0250	8	10	25,0	14	23	20/6	15/16				1	Steel hardened
DE16.0806.0400	8	10	40,0	14	38	30/16	25/26	20/36	15/46		1	Steel hardened
DE16.0806.0600	8	10	60,0	14	58	40/36	30/56	25/66	20/76	15/86	1	Steel hardened
DE16.1006.0300	10	13	30,0	18	28	20/16					1	Steel hardened
DE16.1006.0400	10	13	40,0	18	38	30/16	20/36				1	Steel hardened
DE16.1006.0650	10	13	65,0	18	63	50/26	40/46	30/66	20/86		1	Steel hardened
DE16.1206.0250	12	15	25,0	20	22	20/4					1	Steel hardened
DE16.1206.0360	12	15	36,0	20	33	30/6	20/26				1	Steel hardened

Article Code	D	D1	L	D2	I	L1	L2	L3	L4	L5	Type	Material
DE16.1206.0500	12	15	50,0	20	47	40/14	30/34	20/54			1	Steel hardened
DE16.1206.0700	12	15	70,0	20	67	45/34	40/54	30/74	20/84		1	Steel hardened
DE16.1406.0250	14	17	25,0	22	22	20/4					1	Steel hardened
DE16.1406.0360	14	17	36,0	22	33	30/6	20/26				1	Steel hardened
DE16.1406.0500	14	17	50,0	22	47	40/14	30/34	20/54			1	Steel hardened
DE16.1406.0750	14	17	75,0	22	72	40/64	30/84	20/104			1	Steel hardened
DE16.1806.0450	18	22	45,0	28	39	30/18					2	Steel hardened
DE16.1806.0600	18	22	60,0	28	54	50/8	40/28	30/48			2	Steel hardened
DE16.1806.0920	18	22	92,0	28	86	50/72	40/92	30/112			2	Steel hardened