



EWELLIX Linear ball bushing Closed, self-aligning Corrosion resistant With sealing Series: LBCD..D-2LS/HV6

Linear ball bearings are available in compact LBB range (ISO series 1) and standard LBC range (ISO series 3). Series 3 linear ball bearings include the advanced cylindrical LBCR and LBCT design, the self-aligning LBCD and LBCF design and the LBHT design with extra high load carrying capacity. The bearings consist of a polymer cage with steel raceway segments to guide and recirculate the ball sets within the complete cage. Any of the bearings in the ISO series 3 are available in a standard and corrosion resistant version, with an integral double lip seal to provide maintenance-free operation under normal conditions. These linear ball bearings are interchangeable with all former series 3 bearings.

Type LBCD

Standard linear ball bearing (ISO series 3) available diameter from 12 to 50 mm in self-aligning design. Optimized for low noise and smooth motion while tolerating slight misalignments and easy to mount. The primary feature of this bearing is its self-aligning capability that accommodates tilting of the whole bearing through an angle of ± 30 minutes of arc. This tilting feature compensates for misalignment, which may be caused by inaccuracies in fitting or manufacturing (housing bore diameter), or by significant bending of an unsupported shaft. The sealed variant is fitted with integral double lip seals. These seals have an inner lip to keep lubricant in the bearing; the outer lip acts like a wiper seal to keep contaminants out of the bearing. Unsealed bearings are fitted with non-contacting shields to protect the bearing from large contaminant particles. LBCD linear ball bearings are also available with stainless steel balls and raceways for wet or corrosive environments. The stainless steel variant is identified by a HV6 suffix in the designation.

Characteristics

Series: LBCD..D-2LS/HV6

Model: Closed, self-aligning

With sealing: Yes

Corrosion resistant: Yes

Manufacturer ID	Shaft diameter mm	Outer diameter mm	Length mm	Article
LBCD 12 D-2LS/HV6	12	22	32	13217021
LBCD 16 D-2LS/HV6	16	26	36	13217025
LBCD 20 D-2LS/HV6	20	32	45	13217029
LBCD 25 D-2LS/HV6	25	40	58	13217033
LBCD 30 D-2LS/HV6	30	47	68	13217037
LBCD 40 D-2LS/HV6	40	62	80	13217041

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