

EWELLIX Linear ball bushing Closed Series: LBBR



Linear ball bearings are available in compact LBB range (ISO series 1) and standard LBC range (ISO series 3). The bearings consist of a polymer cage with steel raceway segments to guide and recirculate the ball sets within the complete cage. The range is available with or without seals, in standard and open types as well as in corrosion resistant versions.

Type LBBR

Compact linear ball bearing (ISO series 1) available diameter from 3 to 50 mm, easy to mount with press fit in Motion Technologies units and optimized cost performance relation. The LBBR raceway segments have been designed to fully utilize the entire length of the load zone to increase bearing capacity and extend bearing service life. The plastic cage has been redesigned to provide optimum performance. All ball recirculations are designed to offer no resistance to the cage on the running-in and runout of the recirculation. The redesigned cage also accommodates larger balls to provide increased load capacity and service life. These bearings with or without seals are available in a standard version as well as a corrosion resistant version. 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. LBBR 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: LBBR

Model: Closed

With sealing: No

Manufacturer ID	Shaft diameter mm	Outer diameter mm	Length mm	Article
LBBR 3-C004	3	7	10	24024240
LBBR 4-C004	4	8	12	24024249
LBBR 5-C004	5	10	15	24024257
LBBR 6 A	6	12	22	23773438
LBBR 8	8	15	24	24024270
LBBR 10	10	17	26	24024223
LBBR 14	14	21	28	23773414
LBBR 16	16	24	30	23773108
LBBR 20	20	28	30	23773111
LBBR 25	25	35	40	23773114
LBBR 30	30	40	50	23773118
LBBR 40	40	52	60	23773121
LBBR 50	50	62	70	24024259

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