



EWELLIX Linear ball bushing Closed Series: LBCR

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 LBCR

Standard linear ball bearing (ISO series 3) available diameter from 5 to 80 mm. Covering all sizes for widest application flexibility. Optimized for rigidity and high performance while easy to mount. LBCR linear ball bearings consist of a cage and raceway segments to guide the balls and either seals or shields. By virtue of their exceptionally long track length and the machined raceway osculation, they are able to accommodate heavy loads. These linear ball bearings can be mounted in closed as well as adjustable housings. 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. LBCR 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: LBCR

Model: Closed

With sealing: No

Manufacturer ID	Shaft diameter mm	Outer diameter mm	Length mm	Article
LBCR 5	5	12	22	24024405
LBCR 8	8	16	25	23773434
LBCR 12 D	12	22	32	13189871
LBCR 16 D	16	26	36	13189878
LBCR 20 D	20	32	45	13189886
LBCR 25 D	25	40	58	13189892
LBCR 30 D	30	47	68	13189900
LBCR 40 D	40	62	80	13189907
LBCR 50 A	50	75	100	24024407
LBCR 60 A	60	90	125	24024416
LBCR 80 A	80	120	165	24024423

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.