

## **EWELLIX Linear ball bushing Closed Corrosion resistant** Series: LBBR../HV6

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../HV6 Model: Closed With sealing: No Corrosion resistant: Yes

## **Application**

• Recommended in: Food & Beverages

| Manufacturer ID | Shaft diameter | Outer diameter | Length | Article  |
|-----------------|----------------|----------------|--------|----------|
|                 | mm             | mm             | mm     |          |
| LBBR 3/HV6-C004 | 3              | 7              | 10     | 24024241 |
| LBBR 4/HV6-C004 | 4              | 8              | 12     | 24024250 |
| LBBR 5/HV6-C004 | 5              | 10             | 15     | 24024258 |
| LBBR 6 A/HV6    | 6              | 12             | 22     | 24024267 |
| LBBR 8/HV6      | 8              | 15             | 24     | 24024271 |
| LBBR 10/HV6     | 10             | 17             | 26     | 24024224 |
| LBBR 12/HV6     | 12             | 19             | 28     | 24024226 |
| LBBR 14/HV6     | 14             | 21             | 28     | 24024229 |
| LBBR 16/HV6     | 16             | 24             | 30     | 24024232 |
| LBBR 20/HV6     | 20             | 28             | 30     | 24024235 |
| LBBR 25/HV6     | 25             | 35             | 40     | 23773115 |
| LBBR 30/HV6     | 30             | 40             | 50     | 23773119 |
| LBBR 40/HV6     | 40             | 52             | 60     | 23773123 |
| LBBR 50/HV6     | 50             | 62             | 70     | 24024260 |

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