

**E50-XL-KLL**

Radial insert ball bearing

Radial insert ball bearings E..-KLL, cylindrical outer ring, location by eccentric locking collar, L seals on both sides

X-life

Technical information

**Main Dimensions & Performance Data**

| | | |
|-----------------|----------|-----------------------------------|
| d | 50 mm | Bore diameter |
| D | 90 mm | Outside diameter |
| B | 49,2 mm | Width |
| B ₁ | 62,8 mm | Locking collar total width |
| C _r | 35.000 N | Basic dynamic load rating, radial |
| C _{0r} | 23.200 N | Basic static load rating, radial |
| C _{ur} | 990 N | Fatigue load limit, radial |
| ≈m | 1 kg | Weight |

Dimensions

| | | |
|----------------|---------|-----------------------------------------|
| C | 22 mm | Width, outer ring |
| C ₂ | 26,4 mm | Sealing total width |
| S | 24,6 mm | Distance raceway |
| d ₁ | 62,8 mm | Rib diameter inner ring |
| D ₁ | 77,3 mm | Outside diameter seal |
| d ₃ | 69 mm | Outside diameter locking collar/locknut |
| W | 5 mm | Width of flats |

Calculation factors

| | | |
|----------------|------|--------------------|
| f ₀ | 14,4 | Calculation factor |
|----------------|------|--------------------|



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides