

Spherical Roller Bearing 23160-B-K-MB, 300mm ID, 500mm OD

This spherical roller bearing is designed for high-load applications. Featuring a machined brass cage and standard tolerance, it accommodates both radial and axial loads while compensating for shaft misalignment.



Overview

High-Performance Spherical Roller Bearing

This spherical roller bearing is designed for demanding industrial applications requiring high load capacity and reliability. It features a robust construction with symmetrical barrel rollers that orient themselves freely within the concave outer ring raceway, allowing for self-alignment to compensate for shaft misalignment. Equipped with a tapered bore (1:12) and a machined brass cage, this unit is engineered for smooth operation and extended service life in heavy-duty machinery.

Dimensions

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300 mm

Inner Diameter (ID)

500 mm

Outer Diameter (OD)

160 mm

Width

Performance

Load Ratings

2650 kN

Dynamic Load Rating

4900 kN

Static Load Rating

270000 N

Fatigue Limit Load

Speed Ratings

1300 r/min

Limiting Speed

730 r/min

Reference Speed

Technical Details

Suffix Definitions

- E1, E1A: Increased capacity design
- K: Tapered bore (1:12)
- K30: Tapered bore (1:30)
- M: Solid brass cage, guided on rollers
- MB1: Solid brass cage, guided on inner ring

Design Features

Tapered Bore 1:12, Machined Brass Cage, Symmetrical Barrel Rollers, Self-Aligning, Lubrication Groove

Logistics

Physical Specifications

123 KGS

Weight

Country of Origin

Germany