

Axial Spherical Roller Bearing 29438-E1-XL

Axial spherical roller bearings can support very high axial loads and allow relatively high speeds. These bearings have an internal construction that gives increased basic load ratings as well as precise contact geometry between the guidance rib and the end of the roller for improved kinematics.



Product Overview

High-Performance Axial Spherical Roller Bearing

This axial spherical roller bearing is designed for heavy-duty industrial applications, offering exceptional load-carrying capacity and durability. Its advanced internal construction features optimized contact geometry between the guidance rib and the roller ends, which significantly improves kinematics and allows for higher speed capabilities. Engineered to support very high axial loads, this bearing is an ideal solution for demanding machinery such as gearboxes and rolling mills.

Dimensions

Bore Diameter	190 mm
Outer Diameter	380 mm
Depth	115 mm
Chamfer Angle	30 °

Performance Metrics

Axial Dynamic Load

3100000 N
Dynamic Load

Axial Static Load

8500000 N
Static Load

Fatigue Limit Load	850000 N
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Operational Limits

Limiting Speed	1750 r/min
Reference Speed	940 r/min

General Information

Weight	54.6 kg
Country of Origin	Germany
Design Features	Single direction, Separable, X-life quality