

Cylindrical Roller Bearing for Rolling Mills

This cylindrical roller bearing is designed for rolling mill applications. It features a robust construction with cylindrical rollers for high load-carrying capacity and exceptional durability.



Product Overview

High-Performance Rolling Mill Bearing

This cylindrical roller bearing is engineered specifically for heavy-duty industrial applications, offering robust construction for demanding environments. It is designed to handle both radial and axial loads efficiently, providing high rigidity and smooth operation. By minimizing friction and wear, this component helps extend equipment lifespan and reduces overall maintenance requirements in rolling mill operations.

Technical Specifications

Key Features

- High-precision design
- High-speed operation capability
- High load-carrying capacity
- Separable inner and outer rings (model dependent)
- Adjustable radial clearance

Installation and Configuration

Single row bearings support axial loads in one direction. For bidirectional axial control, these bearings are often installed in pairs, with the outer ring wide end faces aligned to avoid additional axial force and manage axial clearance effectively. Pre-loading is recommended to further enhance bearing rigidity.

Load Capability	Radial Load, Axial Load
Contact Angle Performance	Higher contact angles provide increased axial load capacity; high-precision, high-speed configurations typically utilize a 15-degree contact angle.

Performance Metrics

Performance Highlights

15 degrees

Standard Contact Angle