

# Cylindrical Roller Bearing

Cylindrical roller bearings use cylindrical rollers to keep moving parts separated. They are designed to handle heavy radial loads and are suitable for high speed and low friction applications.



## Overview

### Cylindrical Roller Bearings

Cylindrical roller bearings are precision-engineered rolling-element bearings designed to maintain separation between moving parts while supporting heavy radial loads. These bearings are optimized for high-speed applications where low friction is essential for operational efficiency. By utilizing rollers guided by ribs on either the inner or outer ring, they effectively accommodate axial expansion of the shaft in demanding industrial environments.

## Technical Features

### Load Capacity

Heavy Radial Load

### Performance Characteristics

High Speed, Low Friction

## Applications

### Typical Industrial Applications

- Gearboxes
- Electric Motors
- Industrial Pumps
- General Industrial Machinery