

# 500mm Bore Thrust Spherical Roller Bearing

This thrust spherical roller bearing is designed for heavy axial loads and misalignment compensation. It features specially designed raceways and rollers to handle high thrust forces.



## Product Overview

### High-Capacity Thrust Support

These spherical roller thrust bearings are engineered to transmit heavy axial loads while simultaneously accommodating radial forces. Their unique design features asymmetrical rollers and specially optimized raceways, ensuring superior load distribution and high-speed operational capability. With inherent self-aligning properties, these bearings remain reliable even when subjected to shaft deflection or housing misalignment.

## Technical Specifications

Bore Diameter	500 mm
Bearing Type	Thrust Spherical Roller Bearing
Self-Aligning Capability	Yes
Load Characteristics	Heavy Axial Loads, Radial Load Support

## Design Features

### Cage Construction

- Pressed steel window-type cage
- Machined brass cage
- Machined steel cage

### Design Characteristics

Asymmetrical Rollers • Optimized Raceway Conformity • Non-separable assembly (size <= 68)

## Applications

### Common Industrial Applications

- Heavy Machinery
- Gearboxes
- High-thrust industrial equipment