

Tapered Roller Bearing

Tapered roller bearings are designed for combined loads, handling high radial and axial forces simultaneously. They are made of four components: a cone, cup, tapered rollers, and a cage.



Overview

High-Performance Tapered Roller Bearing

These tapered roller bearings are engineered to handle high radial and axial loads simultaneously through their unique tapered geometry. Designed for demanding environments, they feature precision-engineered components that ensure durability, reduced friction, and optimal load distribution. They serve as a reliable solution for heavy-duty applications including automotive axles, gearboxes, and industrial machinery.

Technical Construction

Interdependent Components

- Cone (inner ring)
- Cup (outer ring)
- Tapered rollers
- Cage (roller retainer)

Material Specifications

High-quality steel alloy, Heat-treated, Wear-resistant

Operational Performance

Load Capacity

1 High

Radial Load Handling

1 High

Axial Load Handling

Friction Control

Yes

Applications

Recommended Applications

Automotive Axles • Gearboxes • Heavy Machinery