

# 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