

# Tapered Roller Bearing

This tapered roller bearing is designed to handle both radial and axial loads. The tapered rollers and raceways are arranged so that the rollers roll on a conical path.



## Product Overview

### High-Performance Tapered Roller Bearing

This tapered roller bearing is engineered to efficiently manage both radial and axial loads simultaneously. By utilizing tapered rollers and raceways arranged on a conical path, it delivers superior load-carrying capacity for demanding environments. It is an ideal solution for heavy-duty machinery, automotive axles, and gearbox assemblies requiring robust reliability.

## Technical Details

### Bearing Components

- Inner ring (cone)
- Outer ring (cup)
- Tapered rollers
- Cage

### Load Capability

Radial Load, Axial Load, Combined Load

### Design Geometry

Conical raceway path with adjustable taper angle for load proportioning

## Applications

### Typical Applications

Automotive Axles • Gearboxes • Heavy-duty Machinery