

Tapered Roller Bearing

Tapered roller bearings are designed for combined loads, handling high radial and axial forces. The key components are the cone, cup, tapered rollers, and cage, which provide durability.



Product Overview

High-Performance Tapered Roller Bearing

Tapered roller bearings are engineered to efficiently manage combined radial and axial loads in demanding industrial environments. The design features a cone, cup, tapered rollers, and a cage, which work together to handle heavy force applications. Its unique tapered geometry makes it an ideal component for automotive axles, gearboxes, and heavy machinery requiring high durability.

Technical Features

Bearing Components

- Cone (Inner Ring)
- Cup (Outer Ring)
- Tapered Rollers
- Cage (Roller Retainer)

Load Capacity Features

High Radial Load Capacity, Axial Load Capacity, Combined Load Handling

Performance Metrics

Key Performance Design

1 Degree

Cup Angle Influence

Applications

Typical Industrial Applications

Automotive Axles • Gearboxes • Heavy Machinery