

# Inch Tapered Roller Bearing 47678/47620

This tapered roller bearing is designed to manage both radial and axial loads efficiently. Its tapered construction ensures optimal load distribution, minimizing friction and extending operational lifespan.



## Product Overview

### Precision Tapered Roller Bearing

The 47678/47620 is a single-row tapered roller bearing designed for robust performance in heavy-duty applications. Featuring a separable outer and inner ring design, it allows for flexible installation and international interchangeability according to ISO standards. This bearing is engineered to simultaneously manage both radial and axial loads, making it an essential component for demanding mechanical systems.

## Dimensions

Inside Diameter	76.2 mm
Outside Diameter	133.35 mm
Width	33.34 mm

## Performance Metrics

### Load Ratings

**167000 N**

Dynamic Load Rating (Cr)

**262000 N**

Static Load Rating (C0r)

**30 kN**

Fatigue Load Limit (Pu)

### Speed Limits

- Limit Speed: 5000 r/min
- Operating Speed: 3400 r/min

## Technical Details

Weight	1.92 kg
Design Features	Single Row, Separable Rings, Conical Roller, Basket Shape Cage, ISO Standard

## Applications

### Typical Applications

- Agriculture Equipment
- Construction Machinery
- Mining Equipment
- Axle Systems
- Gear Boxes
- Engine Motors
- Reducers
- Automotive Wheel Bearings