

# Needle Roller Bearing

These needle roller bearings are designed for applications requiring high load capacity in a small radial space. They are suitable for use in automotive transmissions, engines, and other industrial equipment where space is limited and high performance is needed.



## Product Overview

### High-Performance Needle Roller Bearings

These needle roller bearings are engineered for applications requiring high load capacity within a compact radial space. Featuring cylindrical rollers that are thin and long relative to their diameter, they provide a large contact area for efficient load distribution. Ideal for automotive transmissions and industrial equipment, these bearings ensure smooth operation and reduced friction in space-constrained environments.

## Technical Characteristics

### Key Features

High Load Capacity • Compact Design • Low Friction • Smooth Operation

Roller Type	Cylindrical Needle Rollers
Load Handling	Heavy Radial Loads

## Applications

### Common Applications

- Automotive Transmissions
- Internal Combustion Engines
- Industrial Machinery
- Space-limited Mechanical Assemblies

## Design Benefits

### Radial Space Efficiency

**1 High**

Space Optimization