

# Drawn Cup Needle Roller Bearing

Drawn cup needle roller bearings use cylindrical rollers to maintain separation between moving parts. The bearings have a high load carrying capacity and are suitable for applications where space is limited.



## ADDITIONAL IMAGES



## Overview

### High-Performance Drawn Cup Needle Roller Bearings

These drawn cup needle roller bearings feature a thin-walled, deep-drawn outer ring designed to provide maximum load-carrying capacity in applications with limited radial space. By utilizing small-diameter cylindrical rollers, these bearings achieve a compact and lightweight profile without compromising on durability or performance. They are an ideal, cost-effective solution for managing high radial loads in automotive transmissions, gearboxes, and various industrial machinery.

## Technical Features

### Design Characteristics

- Thin-walled, deep-drawn outer ring
- High radial load carrying capacity
- Small radial section height
- Compact and lightweight construction
- Hardened raceway for rollers

### Load Capability

High Radial Load • Axial Load Support (Combined Series)

## Series & Models

### Available Model Examples

Open End Series (HK)	Closed End Series (BK)
HK0306TN	BK0306TN
HK0408TN	BK0408TN
HK0509	BK0509
HK0608	BK0608
HK0810	BK0810
HK1012	BK1012

### Supported Series

K, NA, NKI, NAV, NAOV, RNA, HK, BK

## Applications

### Common Applications

- Automotive transmissions
- Vehicle engines
- Industrial gearboxes
- Power tools
- General rotary motion machinery

## Product Configuration

### End Configurations

- Open ends (open on both sides for easy lubrication)
- Closed ends (closed on one side)

### Roller Retention

Cage-retained needle rollers for proper spacing and guidance