

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