

Drawn Cup Roller Clutch

Drawn cup roller clutches are compact, lightweight clutches offering maximum torque capacity within a small envelope size. These clutches are designed for press fit installation into a housing bore, simplifying installation and reducing overall assembly costs.



ADDITIONAL IMAGES



Product Overview

High-Performance One-Way Clutches

Drawn cup roller clutches are compact, lightweight components designed to provide maximum torque capacity within a minimal envelope size. These clutches feature a thin-walled outer race with precision-formed ramps that ensure reliable backstopping, overrunning, or indexing operations. Ideal for industrial applications like conveyors and packaging machinery, they offer instantaneous engagement and a long service life through optimized load distribution.

Technical Features

Design & Construction

- Thin-wall punched outer ring
- Plastic retainer for needle guidance
- Alloy steel inclined clamping surfaces
- Spring-loaded rollers for continuous contact
- Press-fit installation design

Performance Highlights

1 Way
Directional Torque

Primary Functions

Overrunning, Backstopping, Indexing

Series & Compatibility

Available Series

HF • HFL • RC • RCB • FC • EWC • CSK

Common Model Numbers

Series Type	Standard Sizes
HF Series	0406, 0612, 0812, 1012, 1216, 1416, 1616, 1816, 2016, 2520, 3020, 3520
HFL Series	0308 KFR, 0408 KFR, 0606 KFR, 0615 KFR, 0806 KFR, 0822 KFR
RC/RCB Series	061008, 081208, 101410, 121610, 162110, 061014, 081214
EWC Series	0406, 0606, 0608, 0809, 0812, 1010, 1012, 1209
CSK Series	8, 12, 15, 17, 20, 25, 30, 35, 40 (Available in PP variants)

Application Areas

Typical Applications

- Conveyor systems
- Packaging machinery
- Office equipment
- Power transmission systems
- Industrial transmissions