

# NU319 EM Cylindrical Roller Bearing

The NU319 EM cylindrical roller bearing features a cylindrical roller design. It provides exceptional radial load capacity and durability.



## Product Overview

### High-Performance Cylindrical Roller Bearing

The NU319 EM cylindrical roller bearing is designed for heavy-duty industrial applications where radial load capacity is paramount. Featuring a separable design, this bearing allows for easier assembly and disassembly, making it an ideal choice for electric motors, gearboxes, and machine tool spindles. Engineered with line contact between rollers and raceways, it minimizes friction and supports high-speed operation while effectively managing heavy impact loads.

## Technical Specifications

Bearing Structure Type	NU
Material	Gcr15
Precision Level	ABEC-1, ABEC-3, ABEC-5
Clearance Classes	CN, C2, C3, C4, C5

## Cage Options

### Available Cage Classifications

- EM: Double assembly machine process copper cage (outer/inner ring centered)
- EM: Pressed steel cage (rollers centered)
- EP: Nylon cage (rollers centered)

## Performance Features

### Performance Highlights

**1 Low**

Frictional Factor

**100 High**

Radial Load Capacity

## Applications

### Primary Applications

- Electric Motors
- Generators
- Internal Combustion Engines
- Gas Turbines
- Machine Tool Spindles
- Deceleration Devices
- Material Handling Machinery