

# NU318 EM Cylindrical Roller Bearing

## 90x190x43mm

The NU318 EM cylindrical roller bearing is designed for high radial load capacity. It has a 90mm inner diameter, 190mm outer diameter, and 43mm thickness.



### Product Overview

#### High-Capacity Cylindrical Roller Bearing

The NU318 EM is a high-precision cylindrical roller bearing designed to handle heavy radial loads in demanding industrial environments. Featuring a separable design, it offers simplified assembly and disassembly, making it an excellent choice for electric motors, gearboxes, and machine tool spindles. Its robust construction ensures minimal friction and reliable performance, even under high-speed operating conditions.

### Key Dimensions

Bore Diameter	90 mm
Outside Diameter	190 mm
Width	43 mm

### Technical Specifications

Precision Level ABEC-1 • ABEC-3 • ABEC-5	
Bearing Type	Cylindrical Roller Bearing
Material	Gcr15
Retainer/Cage Types	J, K, M, MA, MB, ML, MP, MR
Clearance Classes	CN, C2, C3, C4, C5

### Performance Features

#### Performance Highlights

**1 High**

Radial Load Capacity

**1 Low**

Friction Factor

## Applications

### Common Applications

- Electric Motors
- Automobiles
- Transmission Shafts
- Gear Shafts
- Machine Tool Spindles
- Generators
- Internal Combustion Engines
- Gas Turbines
- Material Handling Machinery