

# EMA Series Cylindrical Roller Bearings

**TIMKEN**  
Where You Turn

The Timken brand stands for quality, from product design and manufacturing to engineering support and distribution. We believe in providing customers with high-performing products – and the best service – for their application needs.

With a rich history of designing roller bearings for harsh industrial applications, Timken has developed the EMA series cylindrical roller bearing.

This new line of cylindrical roller bearings reflects a commitment to satisfying customer needs through Timken innovations. The Timken single-row EMA series features a machined brass cage designed for increased capacity.

## Innovative Design

The EMA series bearings offer a unique cage design and proprietary internal geometries along with special surface textures that optimize performance.

These design features provide our EMA series customers a range of benefits including:

### Premium Cage

- Improved design life and rigidity from the one-piece brass cage with a full-milled pocket.
- Minimized heat generation and roller drag as a result of the land-riding cage.
- Increased lubrication flow and lower heat generation.

### Unique Internal Geometries

- Increased load capacity resulting from proprietary profiles on the races and rollers.

### Enhanced Surface Textures

- Improved bearing operation created through engineered processes on the rings and rollers.
- Smoother surfaces reduce friction, lower operating temperatures and promote longer bearing life.

*Timken's single-row EMA series of cylindrical roller bearings are available in a wide variety of sizes and configurations to meet various application requirements.*

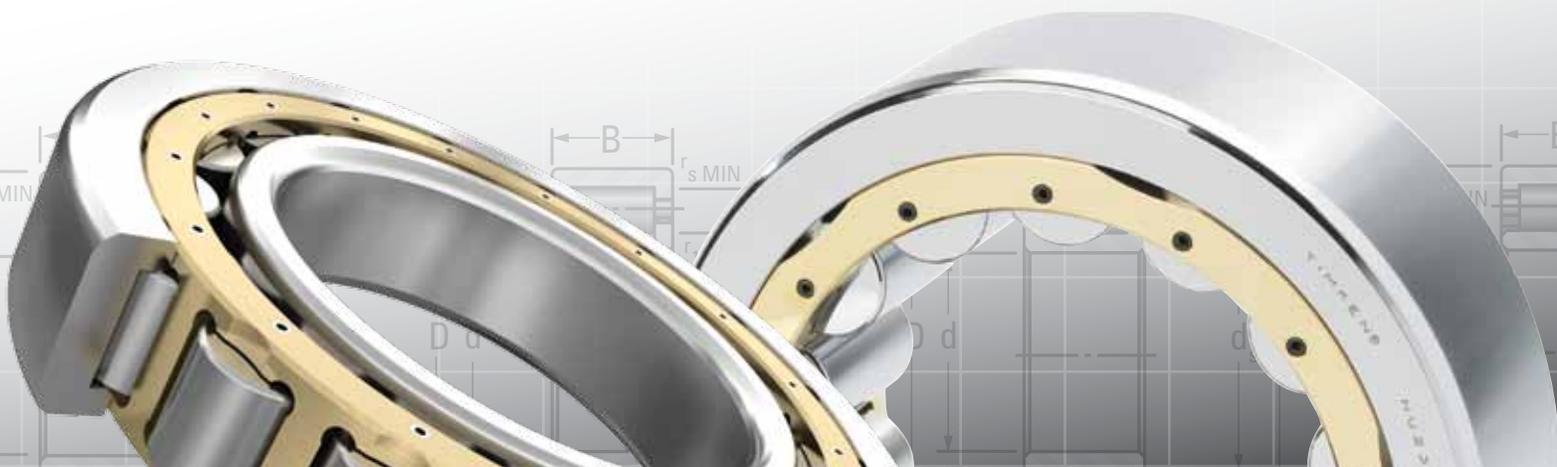
### Size ranges:

*60 mm inner diameter -  
400 mm outer diameter*

*Designs: N, NU, NJ, NUP*

### Common applications:

*wind energy, metals,  
construction, mining,  
pumps, hoists, gear  
drives and other industrial  
equipment*



SINGLE-ROW EMA SERIES

### The Timken Difference

There are a lot of cylindrical roller bearings available on the market. Choosing between them can be a time-consuming and confusing experience. At Timken, we provide a high-value solution that is based on earning your trust. Our global team of design, application and service engineers will work with you from the start to find or design the bearing that will meet your demands, and we'll stand by you for the life of the equipment to ensure expectations are exceeded. We strive to not only deliver but excel in the moments that build your trust and confidence.

### Designed to Last

Our global engineering team collects performance requirements from around the world and designs bearings to meet the specifications our customers demand.

### High Material Quality

Timken is the only premium bearing manufacturer in the world that manufactures clean, high-alloy bearing steel.

### Manufacturing Excellence

Timken worldwide quality standards are implemented in every manufacturing facility, so each bearing meets the same performance standards – no matter where in the world it is manufactured.

### Timken Experts are Your Experts

Every Timken® bearing comes with our team of experts, providing you with the industry's best design, application and 24/7 field-engineering support.

### A Full Range of Cylindrical Roller Bearings

At Timken we're striving to be your single-source bearing provider by offering a wide range of tapered, cylindrical and spherical roller bearings. Timken is constantly expanding its line of cylindrical roller bearings to meet customer size and configuration demands.

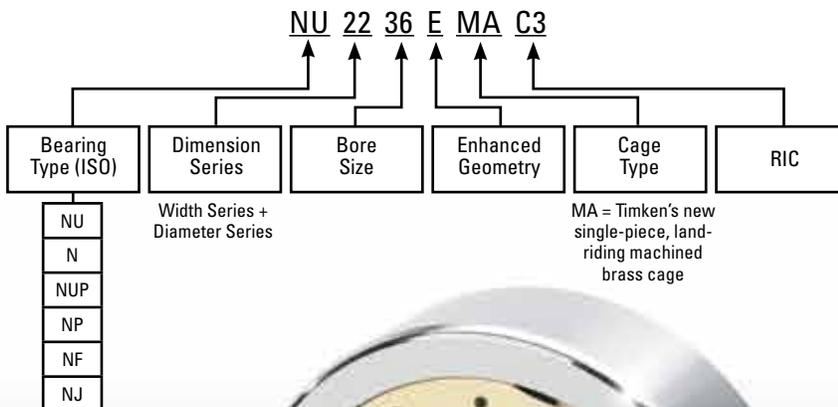
**Product Line:** Caged and full-complement designs available in single-, two- and four-row.

**Size Range:** 60 inner diameter to 2000 mm outer diameter.

**Bearing Types:** N, NU, NJ, NUP, NCF

## Timken Cylindrical Bearing Nomenclature

Our bearing nomenclature is based on the standard ISO designations.



# TIMKEN

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Bearings • Steel •  
 Power Transmission Systems •  
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 Lubrication • Industrial Services •  
 Remanufacture and Repair

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