



TIMKEN® CYLINDRICAL ROLLER BEARINGS

MORE OPTIONS. BETTER PERFORMANCE.

Extend equipment life and lower maintenance costs through the comprehensive line of single-, double- and multi-row Timken® cylindrical roller bearings.

Cylindrical roller bearings are designed for high load capacity and minimized drag. This helps the bearings perform better for longer with less maintenance and downtime. Choose from standard and specially designed cylindrical roller bearings in a wide range of configurations and series for your application requirements. We offer premium brass-cage, steel-cage and full-complement designs for proven, reliable performance.

A SMART SOLUTION FOR:

- Wind Turbine Gearboxes
- Roll Necks
- Cone Crushers
- Pulverizers
- Draglines
- Mud Pumps

Product Advantages

Product offering. Find the right bearing to fit your application. From single-, double- and four-row designs, as well as special configurations, you can choose cylindrical roller bearings in bore sizes ranging from 65 mm to 1200 mm.

- **Cage types:**
 - **EJ Series.** Our steel cage bearings are available in 65 mm to 150 mm bore sizes in configurations NJ and NU, and series 22, 23, 2 and 3.
 - **EMA Series.** This series offers a unique brass cage design, proprietary internal geometries and special surface textures that help optimize performance – a good fit for more demanding applications.
 - **NCF Series.** This full-complement option offers increased power density and radial load carrying capacity by maximizing the number of rollers in a given envelope. With a maximum number of rollers, design life lasts longer and heat generation is reduced.
- **Timken® four-row cylindrical roller bearings.** Almost exclusive to the metals industry, they're available in 145 mm to 1040 mm bore sizes. The design offers very high radial load capacity with no thrust capacity. Straight and tapered bores are available. Inner races are interchangeable with outer assemblies.

Gain Solutions That Give You:

Customized resources, services and support.

As a Timken customer, you're connected to a global team of design, application and service engineers that will work with you from the start to find or design a bearing that will meet your demands. We'll be with you for the life of the equipment to ensure expectations are met. We strive to not only deliver but excel in the moments that build your trust and confidence.

Real-world performance.

Our global engineering teams collect performance requirements from around the world and design bearings to meet the specifications your applications demand.

Quality you can count on.

Timken worldwide quality standards are implemented in every manufacturing facility. Our products are held to the same quality and engineering standards – no matter wherein the world they are manufactured.

Regional availability.

Get shorter lead times and improved availability with the backing of our international network of distribution centers and authorized distributors operating from thousands of branch locations.

CYLINDRICAL ROLLER BEARING SERIES

Cage Type	Dimension Series	Design	Size Range	Cage Construction
EJ	2, 3, 22, 23	NU, NJ	65 mm to 150 mm bore	Stamped steel
EMA	2, 3, 22, 23	N, NU, NJ, NUP	65 mm to 400 mm bore	Machined brass
NCF	29	NCF	65 mm to 800 mm bore	Full complement
NCF	18	NCF	150 mm to 1060 mm bore	Full complement

CYLINDRICAL BEARING NOMENCLATURE

Our bearing nomenclature is based on the standard ISO designations.

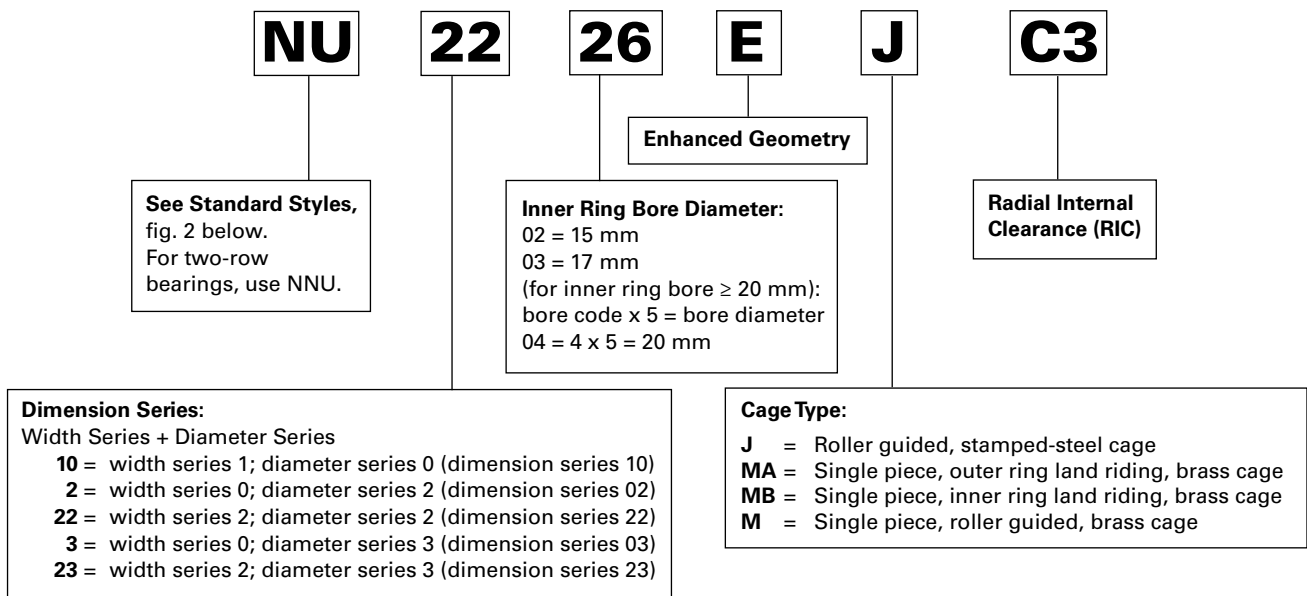


Fig. 1. Metric ISO radial cylindrical roller bearings nomenclature.

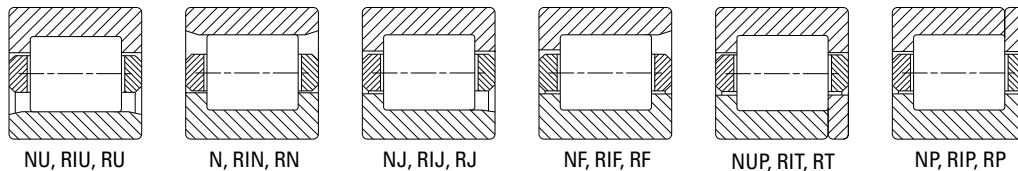


Fig. 2. Standard cylindrical roller bearing styles metric/inch.

FOCUS ON THE FUTURE

At Timken, we continuously expand our product lines to meet the size and configuration demands of our customers. Our heritage in roller bearings has given us the know-how to optimize and innovate across our lines of cylindrical, spherical and tapered roller bearings. To learn more about our expanded line of cylindrical roller bearings, contact your Timken sales representative.



The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

Stronger. By Design.

www.timken.com