



## ELECTRIC MOTORS

# MORE CHOICE. CONSISTENT PERFORMANCE.



DEEP GROOVE BALL BEARINGS



ANGULAR CONTACT BALL BEARINGS



CYLINDRICAL ROLLER BEARINGS

When it comes to choosing the right bearing for the electric motors in your operations, you deserve product that performs reliably and consistently. Plus, you need product you can depend on to excel in diverse applications and demanding environments.

**Choose Timken.** Discover how our electric motor bearings can help keep your equipment running smoothly, with lower vibration levels – bolstering your operations.

- Deep groove ball bearings
- Angular contact ball bearings
- Cylindrical roller bearings



## TIMKEN® DEEP GROOVE BALL BEARINGS

**Applications:** Vertical and horizontal motors

**Load Type:** Radial loads and thrust loads in either direction

**Size Range:** 3 mm to 400 mm bore (0.11 in. to 15.74 in.)

We designed our deep groove ball bearings to meet our long-standing electric motor bearing quality guidelines.

Product design attributes:

- Super finishing on raceways to reduce friction.
- Preferred clearance designation (C3).
- Premium grease for **high performance, low torque** and **less noise**.



## ANGULAR CONTACT BALL BEARINGS

**Applications:** Vertical and horizontal motors

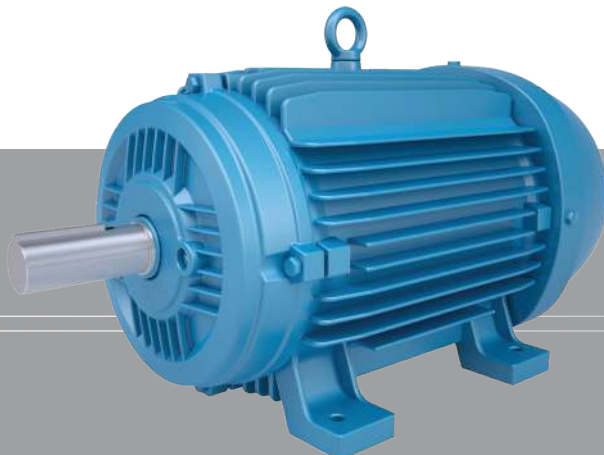
**Load Type:** Thrust loads in one direction

**Size Range:** • Single-row: 10 mm to 150 mm bore (0.39 in. to 5.90 in.)  
• Double-row: 12 mm to 150 mm bore (0.47 in. to 5.90 in.)

Angular contact ball bearings are ideal for applications where there's a large amount of axial thrust combined with radial load.

Product design attributes:

- Specific geometry creates ball contact angles that support higher axial loads.
- Special lubricants, cage materials, coatings and preload.



ELECTRIC MOTORS

## CYLINDRICAL ROLLER BEARINGS (NU, NJ)

**Applications:** Horizontal motors

**Load Type:** Radial loads

**Size Range:** Size range: 65 mm to 2,000 mm O.D. (2.55 in. to 78.74 in.)

Timken® cylindrical roller bearings feature unique characteristics designed to increase load ratings – resulting in longer life, improved uptime and reduced maintenance costs.

Product design attributes:

- Separable components simplify mounting and removal.
- Unique cage design, internal geometry and surface textures.
- Capability for axial expansion and contraction.



## EXPERIENCE THE DIFFERENCE

### CONSISTENT GLOBAL BEARING QUALITY

Timken has one – and only one – worldwide quality standard. Regardless of where a part is produced, it must meet precisely the same demanding tolerances and standards. As a result, our product quality provides complete component interchangeability.

### BROAD INTERCHANGEABILITY

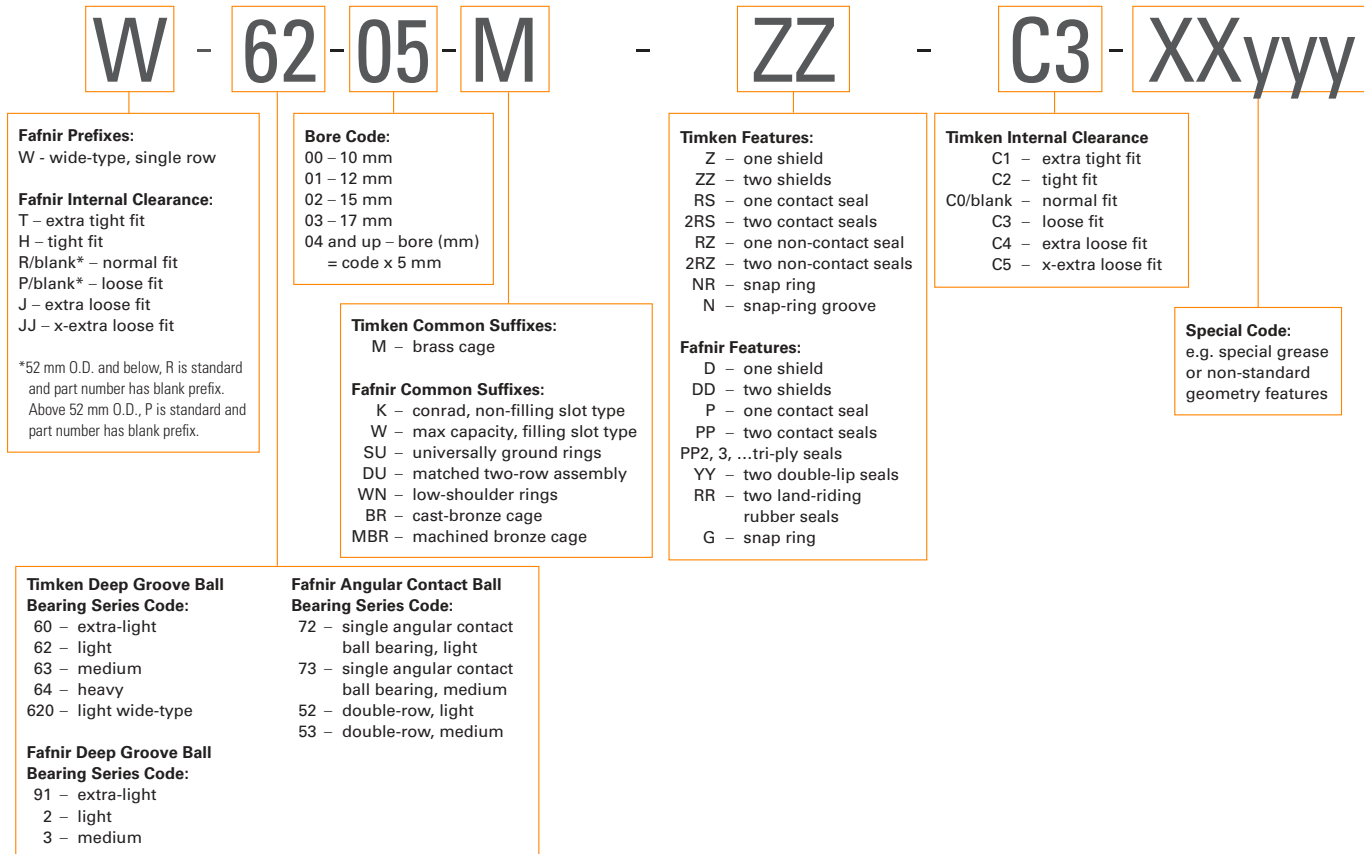
Our bearings are interchangeable by boundary dimensions with most designs in the market. Our knowledgeable application engineers can help you with your interchange and mounting needs.



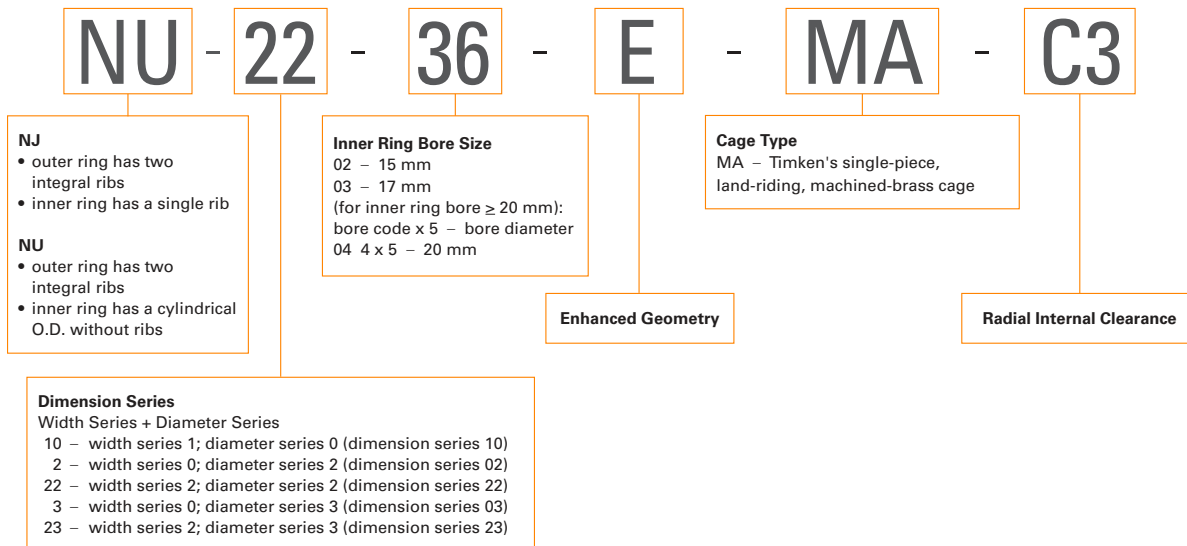
### CHOOSE TIMKEN

See why Timken is your expert in bearings and mechanical power transmission by visiting our catalogs at [www.timkencatalogs.squawqr.com](http://www.timkencatalogs.squawqr.com) or scanning the QR code at left.

## BALL BEARINGS NOMENCLATURE



## CYLINDRICAL ROLLER BEARINGS NOMENCLATURE



# TIMKEN

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 high-performance mechanical components, including bearings, belts, chain, gears and related mechanical power transmission products and services.

**Stronger. By Design.**

[www.timken.com](http://www.timken.com)