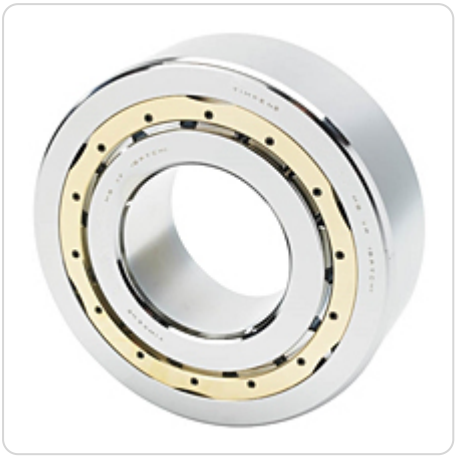
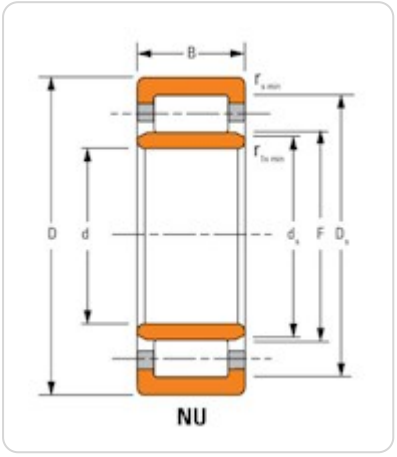
**The Timken Company**
4500 Mt Pleasant St. NW
N. Canton, OH 44720
**Phone:** (234) 262-3000
**E-Mail:** CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)



# Part Number NU2230EMA, Cylindrical Roller Radial Bearings - Single Row ISO






## Key Features

- High radial load capacity
- Unique brass cage design for demanding applications
- Bearing can be separated for easier mounting and dismounting

- Design has a cylindrical inner ring and two ribs on the outer ring, making type NU bearings well suited for use as floating bearings
- Enhanced operational reliability
- Long service life

## Key Dimensions

| | |
|---|---|
| **Bore (d)** | 150 mm |
| **O.D. (D)** | 270 mm<br>10.6299 in |
| **Width (B)** | 2.874 in<br>73 mm |
| **Dynamic Radial Load Rating - 1M Revs (C1)[1]** | 752000 N<br>169000 lbf |

## Other Dimensions

| | |
|---|---|
| **Weight** | 18.6 Kg<br>40.900 lb |
| **Shaft Backing Shoulder Diameter** | 173.5 mm<br>6.83 in |
| **Housing Backing Shoulder Diameter** | 242 mm<br>9.53 in |
| **Max Shaft Fillet Radius LF ID** | 3 in<br>0.120 mm |
| **Max Shaft Fillet Radius RF ID** | 3 in<br>0.12 mm |
| **Max Housing Fillet Radius LF OD** | 3 in<br>0.12 mm |
| **Max Housing Fillet Radius RF OD** | 3 in<br>0.12 mm |
| **Design Units** | Metric |
| **Type** | NU |

# Ratings

| | |
|---|---|
| **Static Radial Load Rating (C0)** | 998000 N<br>224000 lbf |
| **Thermal Reference Speed - Grease** | 1800 rpm |
| **Thermal Reference Speed - Oil**[2] | 2000 rpm |

# Factors

| | |
|---|---|
| **Geometry Factor (Cg)** [3] | 0.123 |

[1] Based on 1 x $10^6$ $L_{10}$ life for the ISO life calculation method.

[2] See thermal speed ratings in the engineering section.

[3] Geometry constant for Lubrication Life Adjustment Factor a3l.