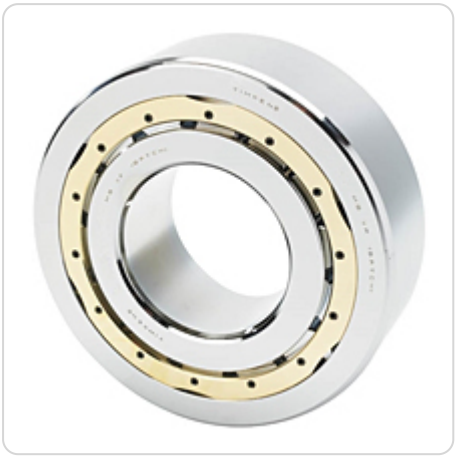
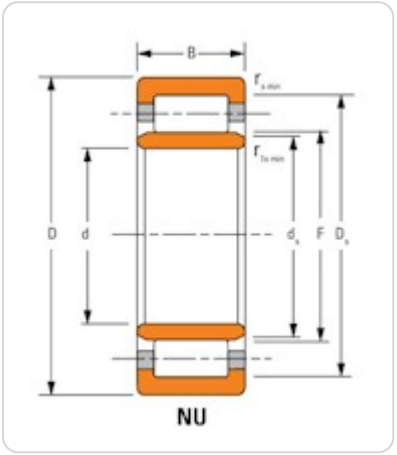
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NU2224EMAC3, 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)	120 mm
O.D. (D)	215 mm 8.4646 in
Width (B)	2.2835 in 58 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	514000 N 116000 lbf

Other Dimensions

Weight	9 Kg 19.8 lb
Shaft Backing Shoulder Diameter	137 mm 5.4000 in
Max Shaft Fillet Radius LF ID	2.0 in 0.100 mm
Max Shaft Fillet Radius RF ID	2 in 0.100 mm
Max Housing Fillet Radius LF OD	2 in 0.1 mm
Max Housing Fillet Radius RF OD	2 in 0.1 mm
Design Units	Metric
Type	NU

Ratings

Static Radial Load Rating (C0)	630000 N 142000 lbf
Thermal Reference Speed - Grease	2400 rpm
Thermal Reference Speed - Oil[2]	2800 rpm

Factors

Geometry Factor (Cg) [3]	0.1196

[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.