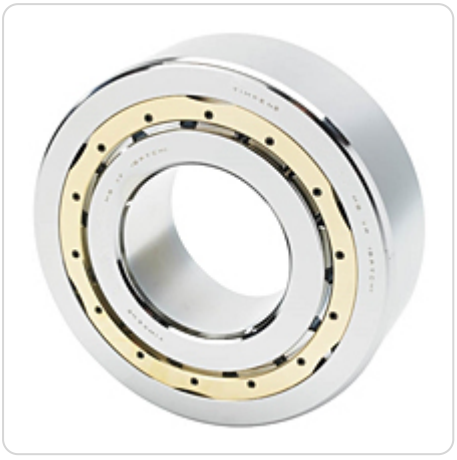
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NU248EMAC3, 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)	240 mm

O.D. (D)	440 mm 17.3228 in
Width (B)	2.8346 in 72 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	936000 N 210000 lbf

Other Dimensions

Weight	52.600 Kg 116.00 lb
Shaft Backing Shoulder Diameter	257 mm 10.1000 in
Housing Backing Shoulder Diameter	423 mm 16.7000 in
Max Shaft Fillet Radius LF ID	3 in 0.100 mm
Max Shaft Fillet Radius RF ID	3 in 0.100 mm
Max Housing Fillet Radius LF OD	3 in 0.1 mm
Max Housing Fillet Radius RF OD	3 in 0.1 mm
Design Units	Metric
Type	NU

Ratings

Static Radial Load Rating (C0)	1340000 N 301000 lbf
Thermal Reference Speed - Grease	1200 rpm
Thermal Reference Speed - Oil[2]	1400 rpm

Factors

Geometry Factor (Cg) [3]	0.1526

[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.