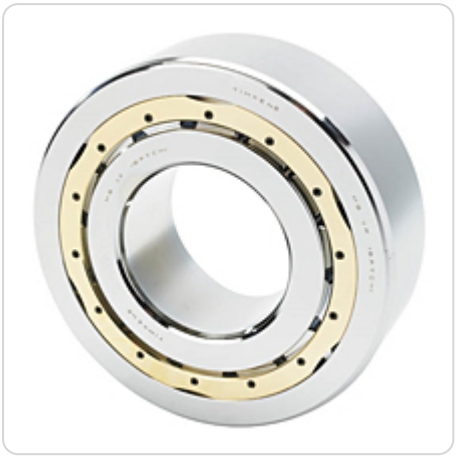
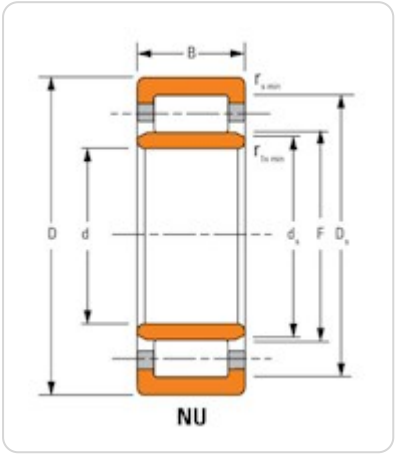
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NU2218EMA, 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)	90 mm
O.D. (D)	160.000 mm 6.2992 in
Width (B)	1.5748 in 40 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	275000 N 61900 lbf

Other Dimensions

Weight	3.50 Kg 7.7 lb
Shaft Backing Shoulder Diameter	103 mm 4.06 in
Housing Backing Shoulder Diameter	145 mm 5.71 in
Max Shaft Fillet Radius LF ID	2.0 in 0.080 mm
Max Shaft Fillet Radius RF ID	2 in 0.080 mm
Max Housing Fillet Radius LF OD	2 in 0.080 mm
Max Housing Fillet Radius RF OD	2 in 0.08 mm
Design Units	Metric
Type	NU

Ratings

Static Radial Load Rating (C0)	322000 N 72400 lbf
Thermal Reference Speed - Grease	3100 rpm
Thermal Reference Speed - Oil[2]	3600 rpm

Factors

Geometry Factor (Cg) [3]	0.094

[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.