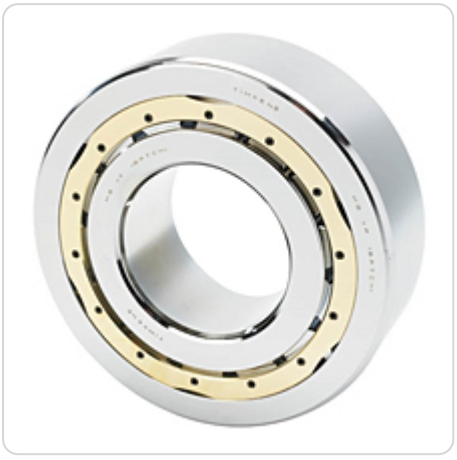
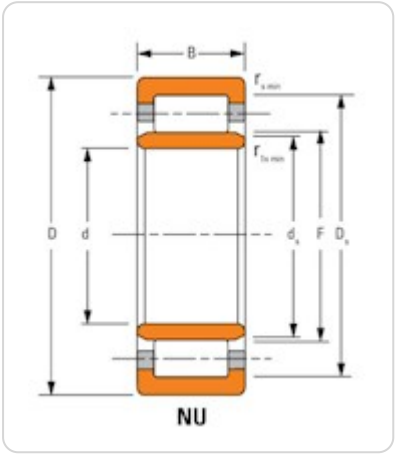
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E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NU320EMA, 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)	100 mm
O.D. (D)	215 mm 8.4646 in
Width (B)	1.8504 in 47 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	437000 N 98200 lbf

Other Dimensions

Weight	8.7 Kg 19.20 lb
Shaft Backing Shoulder Diameter	121 mm 4.8000 in
Max Shaft Fillet Radius LF ID	2.5 in 0.100 mm
Max Shaft Fillet Radius RF ID	2.5 in 0.100 mm
Max Housing Fillet Radius LF OD	2.5 in 0.1 mm
Max Housing Fillet Radius RF OD	2.5 in 0.1 mm
Design Units	Metric
Type	NU

Ratings

Static Radial Load Rating (C0)	442000 N 99400 lbf
Thermal Reference Speed - Grease	3200 rpm
Thermal Reference Speed - Oil[2]	3700 rpm

Factors

Geometry Factor (Cg) [3]	0.1025

[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.