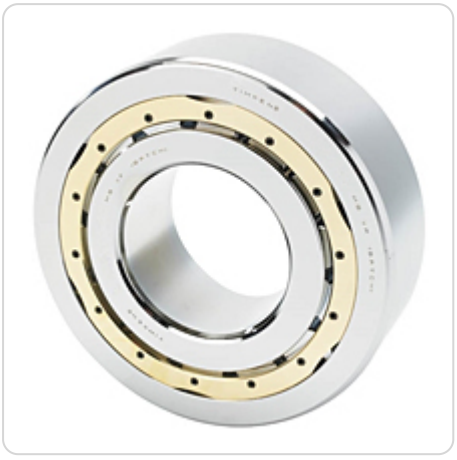
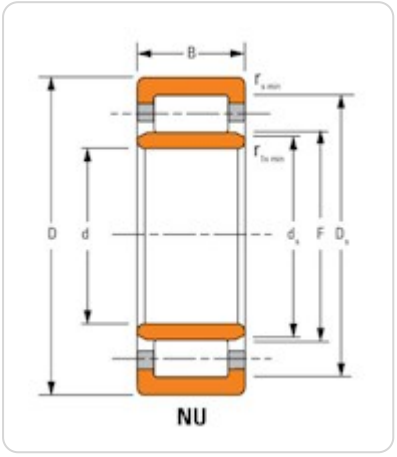
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E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NU5144MA, 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)	220 mm
O.D. (D)	350 mm 13.7795 in
Width (B)	3.874 in 98.4 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	1400000 N 315000 lbf

Other Dimensions

Weight	38.90 Kg 85.8 lb
Shaft Backing Shoulder Diameter	234 mm 9.2000 in
Housing Backing Shoulder Diameter	336 mm 13.2000 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)	2060000 N 463000 lbf
Thermal Reference Speed - Grease	1000 rpm
Thermal Reference Speed - Oil[2]	1100 rpm

Factors

Geometry Factor (Cg) [3]	0.162

[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.