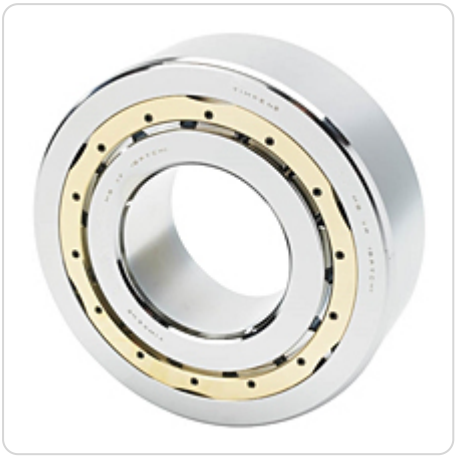
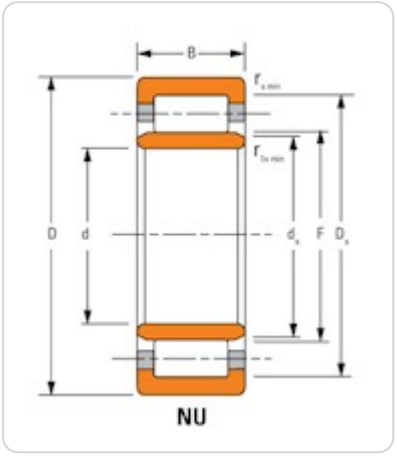
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NU338EMA, 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)	190 mm
O.D. (D)	400 mm 15.7480 in
Width (B)	3.0709 in 78 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	1300000 N 292000 lbf

Other Dimensions

Weight	49.4 Kg 108.7 lb
Shaft Backing Shoulder Diameter	236.5 mm 9.31 in
Housing Backing Shoulder Diameter	353 mm 13.9000 in
Max Shaft Fillet Radius LF ID	5 in 0.200 mm
Max Shaft Fillet Radius RF ID	5 in 0.2 mm
Max Housing Fillet Radius LF OD	5 in 0.2 mm
Max Housing Fillet Radius RF OD	5 in 0.2 mm
Design Units	Metric
Type	NU

Ratings

Static Radial Load Rating (C0)	1500000 N 337000 lbf
Thermal Reference Speed - Grease	1300 rpm
Thermal Reference Speed - Oil[2]	1500 rpm

Factors

Geometry Factor (Cg) [3]	0.145

[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.