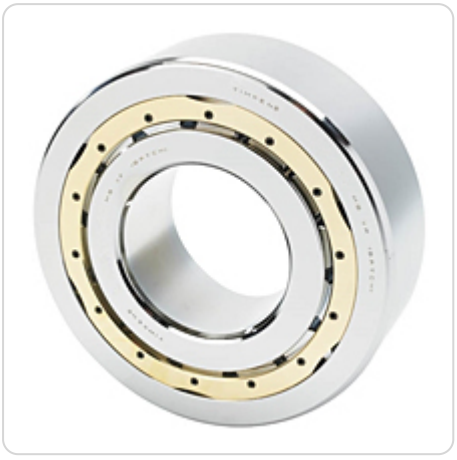
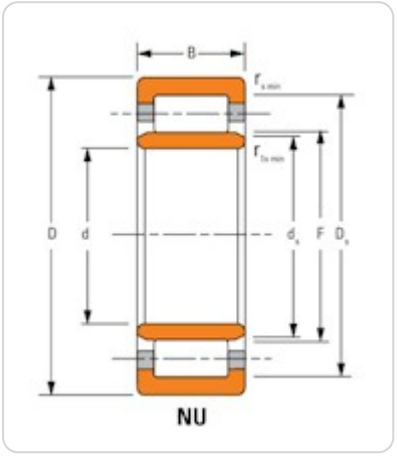
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Part Number NU2244EMA, Cylindrical Roller Radial Bearings - Single Row ISO





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)	400 mm 15.7480 in
Width (B)	4.252 in 108 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	1820000 N 409000 lbf

Other Dimensions

Weight	60.8 Kg 134 lb
Shaft Backing Shoulder Diameter	251 mm 9.9000 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)	2350000 N 528000 lbf
Thermal Reference Speed - Grease	980 rpm
Thermal Reference Speed - Oil[2]	1100 rpm

Factors

Geometry Factor (Cg) [3]	0.1638

[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.