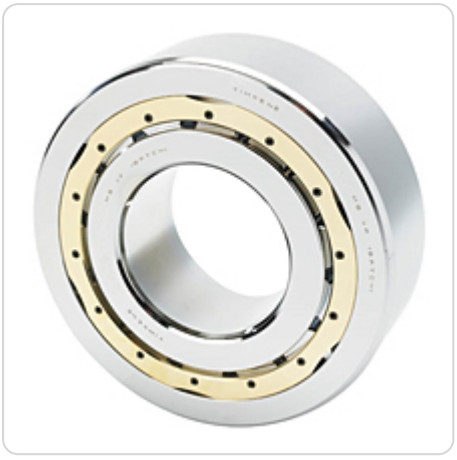
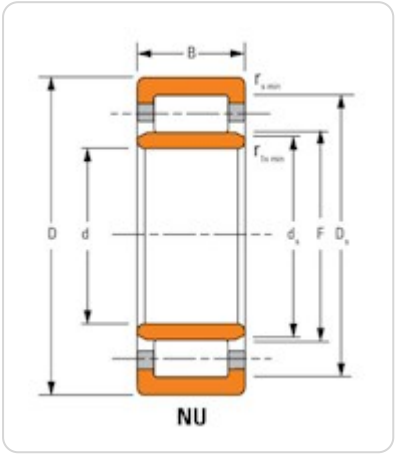
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Part Number NU316EMAC3, Cylindrical Roller Radial Bearings - Single Row ISO





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)	80 mm
O.D. (D)	170 mm 6.6929 in
Width (B)	1.5354 in 39 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	290000 N 65300 lbf

Other Dimensions

Weight	4.60 Kg 10.12 lb
Shaft Backing Shoulder Diameter	96.5 mm 3.8000 in
Housing Backing Shoulder Diameter	151 mm 5.94 in
Max Shaft Fillet Radius LF ID	2.1 in 0.080 mm
Max Shaft Fillet Radius RF ID	2.1 in 0.080 mm
Max Housing Fillet Radius LF OD	2.1 in 0.080 mm
Max Housing Fillet Radius RF OD	2.1 in 0.08 mm
Design Units	Metric
Type	NU

Ratings

Static Radial Load Rating (C0)	289000 N 64900 lbf
Thermal Reference Speed - Grease	3900 rpm
Thermal Reference Speed - Oil[2]	4500 rpm

Factors

Geometry Factor (Cg) [3]	0.088

[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.