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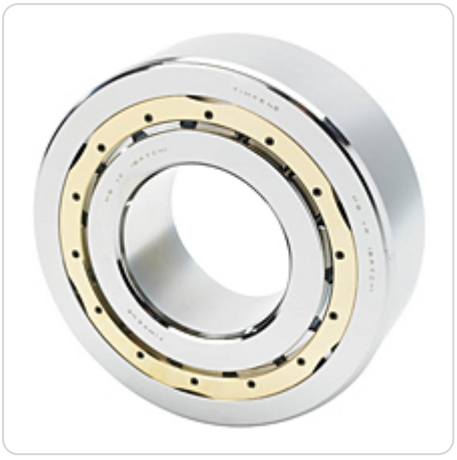
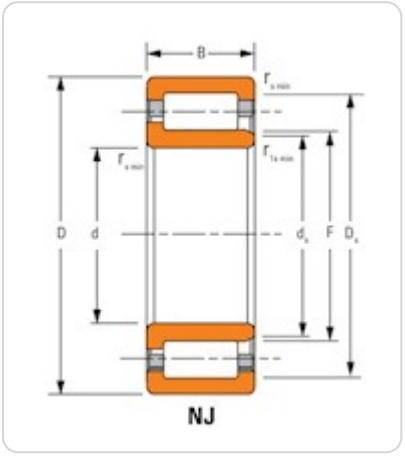
Part Number NJ240EMAC3, Cylindrical Roller Radial Bearings - Single Row ISO





Key Features

- Supports heavy radial loads
- Low friction roller design allows for high speed applications
- Separable components simplify mounting and removal

- Design has two ribs on the outer ring and one rib on the inner ring, making type NJ bearings well suited for use as semi-locating bearings
- Enhanced operational reliability
- Long service life

Key Dimensions

Bore (d)	200 mm
O.D. (D)	360 mm 14.1732 in
Width (B)	2.2835 in 58 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	760000 N 171000 lbf

Other Dimensions

Weight	27.80 Kg 61.30 lb
Shaft Backing Shoulder Diameter	217 mm 8.5000 in
Housing Backing Shoulder Diameter	343 mm 13.5000 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	NJ

Ratings

Static Radial Load Rating (C0)	1050000 N 236000 lbf
Thermal Reference Speed - Grease	1500 rpm
Thermal Reference Speed - Oil[2]	1800 rpm

Factors

Geometry Factor (Cg) [3]	0.1354

[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.