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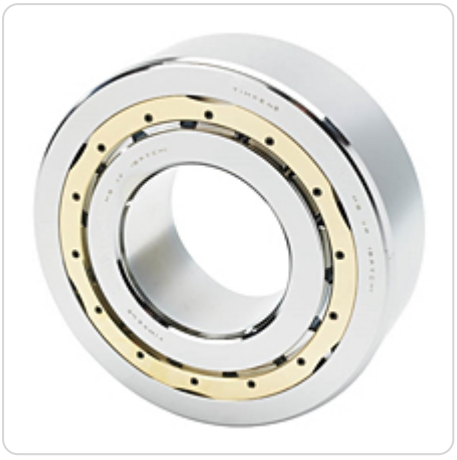
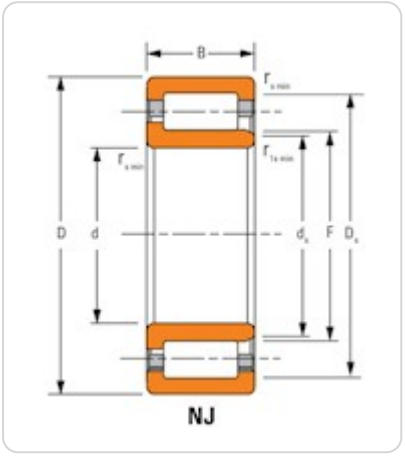
Part Number NJ230EMAC3, Cylindrical Roller Radial Bearings - Single Row ISO





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)	150 mm
O.D. (D)	270 mm 10.6299 in
Width (B)	1.7717 in 45 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	506000 N 114000 lbf

Other Dimensions

Weight	12 Kg 26.50 lb
Shaft Backing Shoulder Diameter	177 mm 7.0000 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	NJ

Ratings

Static Radial Load Rating (C0)	607000 N 136000 lbf
Thermal Reference Speed - Grease	2300 rpm
Thermal Reference Speed - Oil[2]	2700 rpm

Factors

Geometry Factor (Cg) [3]	0.1076

[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.