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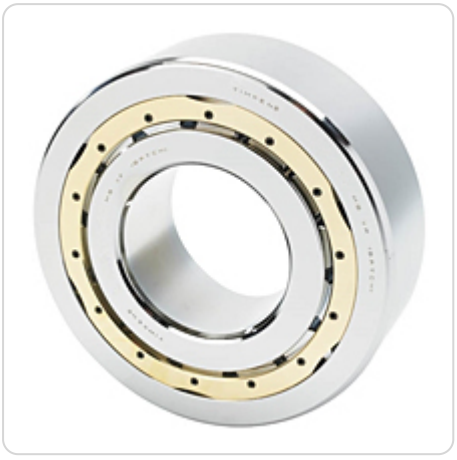
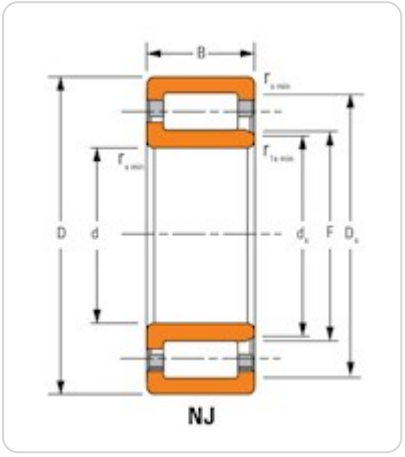
Part Number NJ218EMAC3, Cylindrical Roller Radial Bearings - Single Row ISO





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)	90 mm
O.D. (D)	160.000 mm 6.2992 in
Width (B)	1.1811 in 30 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	206000 N 46300 lbf

Other Dimensions

Weight	2.7 Kg 6 lb
Shaft Backing Shoulder Diameter	104 mm 4.1000 in
Max Shaft Fillet Radius LF ID	2.0 in 0.100 mm
Max Shaft Fillet Radius RF ID	2 in 0.100 mm
Max Housing Fillet Radius LF OD	2 in 0.1 mm
Max Housing Fillet Radius RF OD	2 in 0.1 mm
Design Units	Metric
Type	NJ

Ratings

Static Radial Load Rating (C0)	225000 N 50600 lbf
Thermal Reference Speed - Grease	3800 rpm
Thermal Reference Speed - Oil[2]	4500 rpm

Factors

Geometry Factor (Cg) [3]	0.0851

[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.