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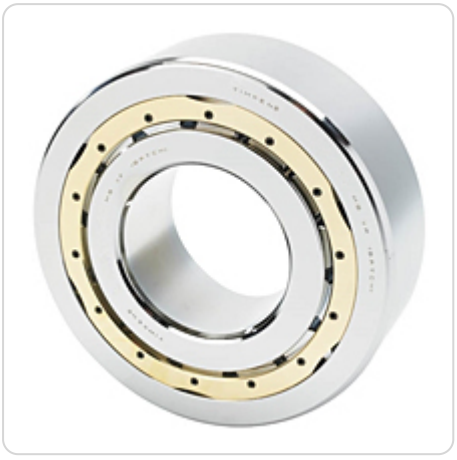
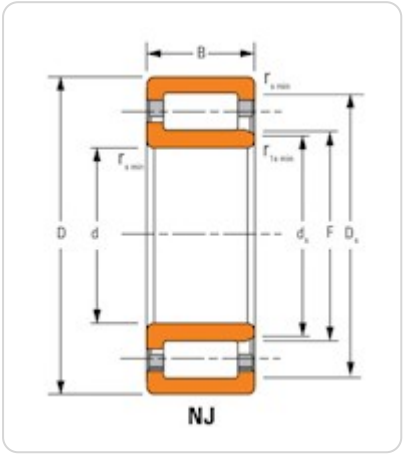
Part Number NJ1044MA, Cylindrical Roller Radial Bearings - Single Row ISO





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)	220 mm
O.D. (D)	340 mm 13.3858 in
Width (B)	2.2047 in 56 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	565000 N 127000 lbf

Other Dimensions

Weight	18.9 Kg 41.600 lb
Shaft Backing Shoulder Diameter	242.6 mm 9.55 in
Housing Backing Shoulder Diameter	310 mm 12.2000 in
Max Shaft Fillet Radius LF ID	3 in 0.120 mm
Max Shaft Fillet Radius RF ID	3 in 0.12 mm
Max Housing Fillet Radius LF OD	3 in 0.12 mm
Max Housing Fillet Radius RF OD	3 in 0.12 mm
Design Units	Metric
Type	NJ

Ratings

Static Radial Load Rating (C0)	765000 N 172000 lbf
Thermal Reference Speed - Grease	2000 rpm
Thermal Reference Speed - Oil[2]	2400 rpm

Factors

Geometry Factor (Cg) [3]	0.132

[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.