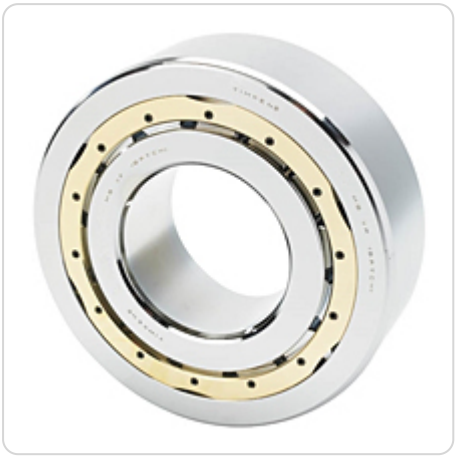
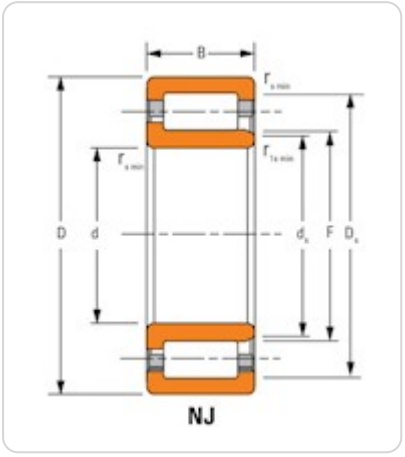
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Part Number NJ348EMA, Cylindrical Roller Radial Bearings - Single Row ISO





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)	240 mm
O.D. (D)	500 mm 19.6850 in
Width (B)	3.7402 in 95 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	1900000 N 427000 lbf

Other Dimensions

Weight	97.500 Kg 215.00 lb
Shaft Backing Shoulder Diameter	260 mm 10.2 in
Housing Backing Shoulder Diameter	480 mm 18.9000 in
Max Shaft Fillet Radius LF ID	4 in 0.200 mm
Max Shaft Fillet Radius RF ID	4 in 0.2 mm
Max Housing Fillet Radius LF OD	4 in 0.2 mm
Max Housing Fillet Radius RF OD	4 in 0.2 mm
Design Units	Metric
Type	NJ

Ratings

Static Radial Load Rating (C0)	2190000 N 492000 lbf
Thermal Reference Speed - Grease	1000 rpm
Thermal Reference Speed - Oil[2]	1100 rpm

Factors

Geometry Factor (Cg) [3]	0.1675

[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.