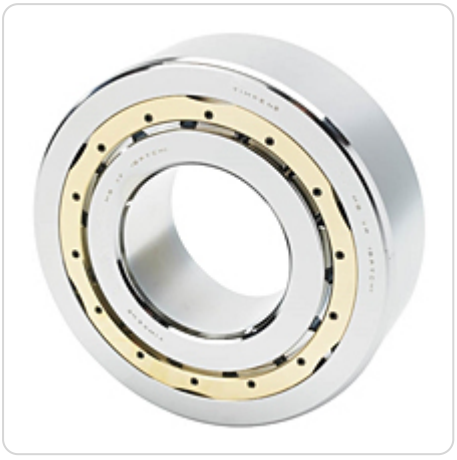
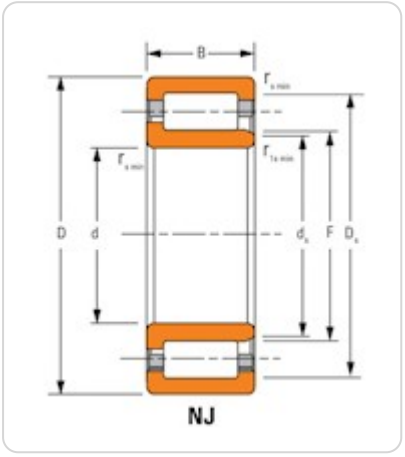
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NJ2338EMAC3, 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)	190 mm
O.D. (D)	400 mm 15.7480 in
Width (B)	5.1969 in 132 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	2060000 N 464000 lbf

Other Dimensions

Weight	81.8 Kg 179.9 lb
Shaft Backing Shoulder Diameter	227.6 mm 8.96 in
Housing Backing Shoulder Diameter	360.000 mm 14.17 in
Max Shaft Fillet Radius LF ID	5 in 0.200 mm
Max Shaft Fillet Radius RF ID	5 in 0.2 mm
Max Housing Fillet Radius LF OD	5 in 0.2 mm
Max Housing Fillet Radius RF OD	5 in 0.2 mm
Design Units	Metric
Type	NJ

Ratings

Static Radial Load Rating (C0)	2500000 N 561000 lbf
Thermal Reference Speed - Grease	1000 rpm
Thermal Reference Speed - Oil[2]	1100 rpm

Factors

Geometry Factor (Cg) [3]	0.161

[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.