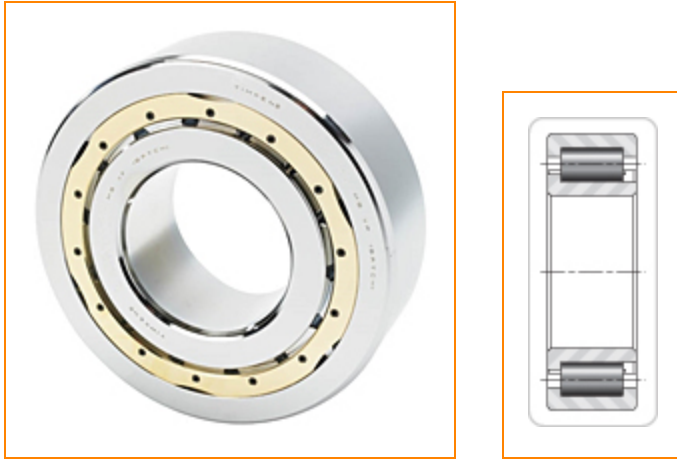




The Timken Company
 4500 Mt Pleasant St. NW
 N. Canton, OH 44720
Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Timken Part Number NJ2232EMA, Cylindrical Roller Radial Bearings - Single Row ISO



[Specifications](#) | [Dimensions](#) | [Basic Load Ratings](#) | [Factors](#) | [Abutment and Fillet Dimensions](#)

Specifications

Design Units	METRIC
Bearing Weight	24.3 Kg 53.600 lb
Type	NJ
Tapered Bore	N

Dimensions

d - Bore	160 mm 6.2992 in
D - Outer Diameter	290.000 mm 11.4173 in
C - Inner Ring Width	80 mm 3.1496 in

B - Outer Ring Width	80 mm 3.1496 in
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Basic Load Ratings

C0 - Static Radial Rating	1210000 N 272000 lbf
C - Dynamic Radial Rating¹	919000 N 207000 lbf

Factors

Reference Thermal Speed Rating (Grease)	1500
Reference Thermal Speed Rating (Oil)²	1600
Cg - Geometry Factor³	0.1288

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁴	2.500 mm 0.100 in
r - Outer Ring "To Clear" Radius⁵	2.500 mm 0.100 in
da - Inner Ring Backing Diameter	183.000 mm 7.200 in
Da - Outer Ring Backing Diameter	0.000 mm 0.000 in

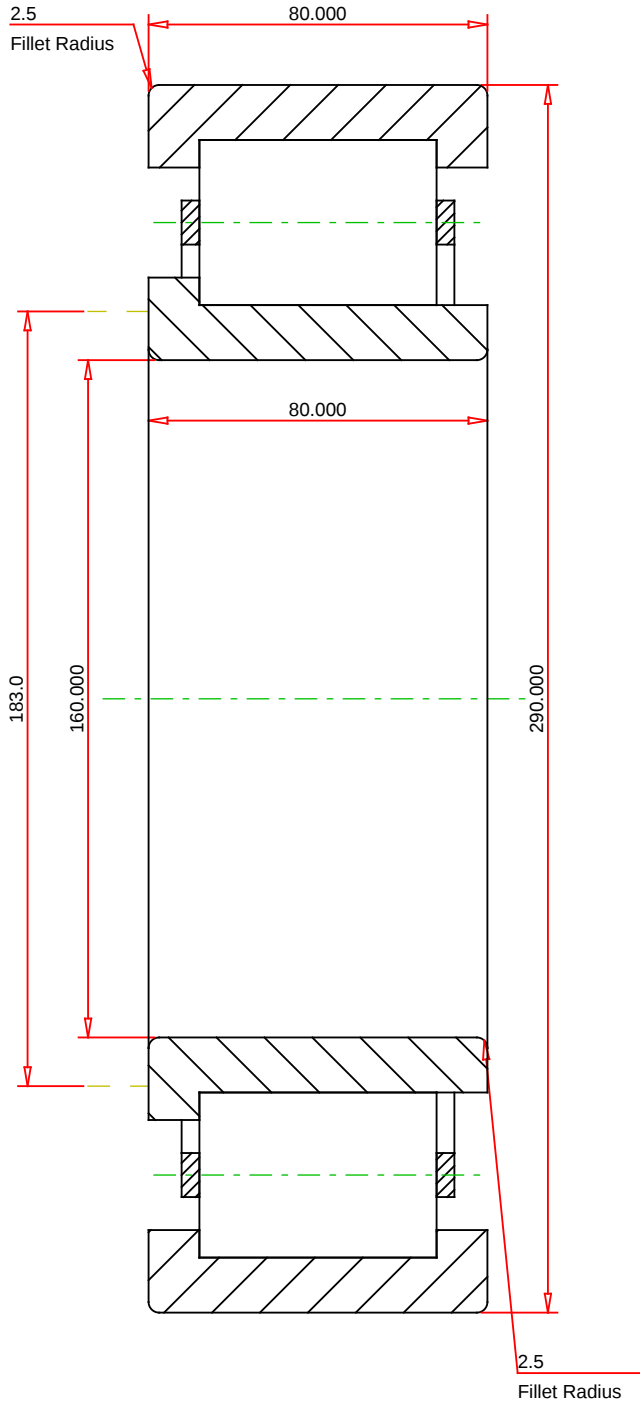
¹ Based on 1×10^6 L₁₀ life for the ISO life calculation method.

² See thermal speed ratings in the engineering section.

³ Geometry constant for Lubrication Life Adjustment Factor a3l.

⁴ Maximum housing fillet radius that bearing corners will clear.

⁵ Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Rollers Per Row 18
Bearing Weight 24.3 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

NJ2232EMA
CYLINDRICAL ROLLER BEARING

Dynamic Radial Rating 919000 N
Static Radial Rating 1210000 N

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

FOR DISCUSSION ONLY