



The Timken Company

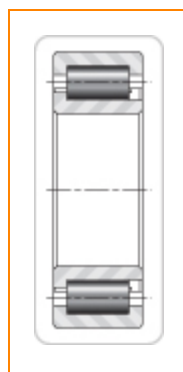
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Part Number NJ324EMA, Cylindrical Roller Radial Bearings - Single Row ISO



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Specifications

Design Units	METRIC
Bearing Weight	15 Kg 33.100 lb
Type	NJ
Tapered Bore	N

Dimensions

d - Bore	120.00 mm 4.7244 in
D - Outer Diameter	260 mm 10.2362 in
C - Inner Ring Width	55.000 mm 2.1654 in

B - Outer Ring Width	55.000 mm 2.1654 in
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Basic Load Ratings

C0 - Static Radial Rating	614000 N 138000 lbf
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C - Dynamic Radial Rating¹	594000 N 134000 lbf
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Factors

Reference Thermal Speed Rating (Grease)	2300
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Reference Thermal Speed Rating (Oil)²	2700
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Cg - Geometry Factor³	0.1177
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁴	2.5 mm 0.100 in
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r - Outer Ring "To Clear" Radius⁵	2.5 mm 0.100 in
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da - Inner Ring Backing Diameter	147.000 mm 5.800 in
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Da - Outer Ring Backing Diameter	0.000 mm 0.000 in
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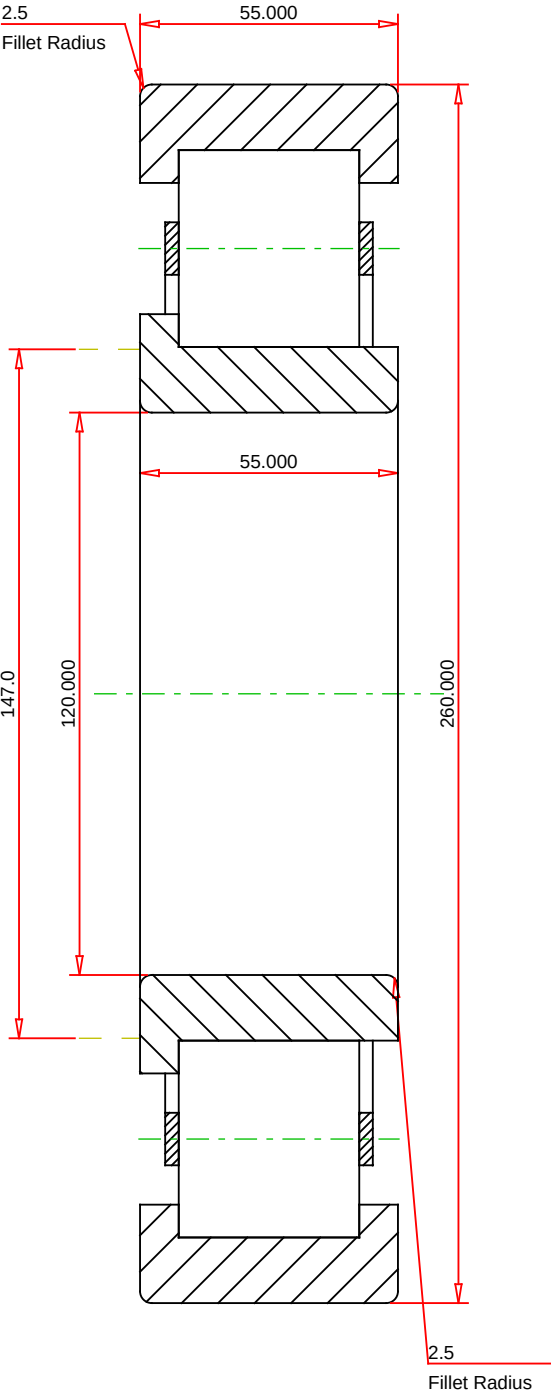
¹ Based on 1×10^6 L₁₀ life for the ISO life calculation method.

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 13
Bearing Weight 15.0 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

NJ324EMA
CYLINDRICAL ROLLER BEARING

Dynamic Radial Rating 594000 N
Static Radial Rating 614000 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