


The Timken Company

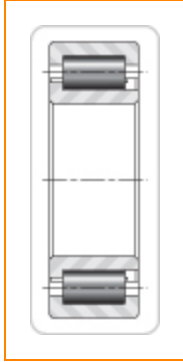
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Part Number NJ2219EMA, Cylindrical Roller Radial Bearings - Single Row ISO


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Specifications

Design Units	Metric
d - Bore	95 mm
Type	NJ

Dimensions

D - Outer Diameter	170 mm 6.6929 in
C - Inner Ring Width	43 mm 1.6929 in
B - Outer Ring Width	43 mm 1.6929 in

Basic Load Ratings


C0 - Static Radial Rating	378000 N 85000 lbf
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C - Dynamic Radial Rating¹	324000 N 72800 lbf
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Factors

Reference Thermal Speed Rating (Grease)	2700 rpm
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Reference Thermal Speed Rating (Oil)²	3100 rpm
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Cg - Geometry Factor³	0.0978
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁴	2 mm 0.100 in
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r - Outer Ring "To Clear" Radius⁵	2 mm 0.1 in
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da - Inner Ring Backing Diameter	108 mm 4.3000 in
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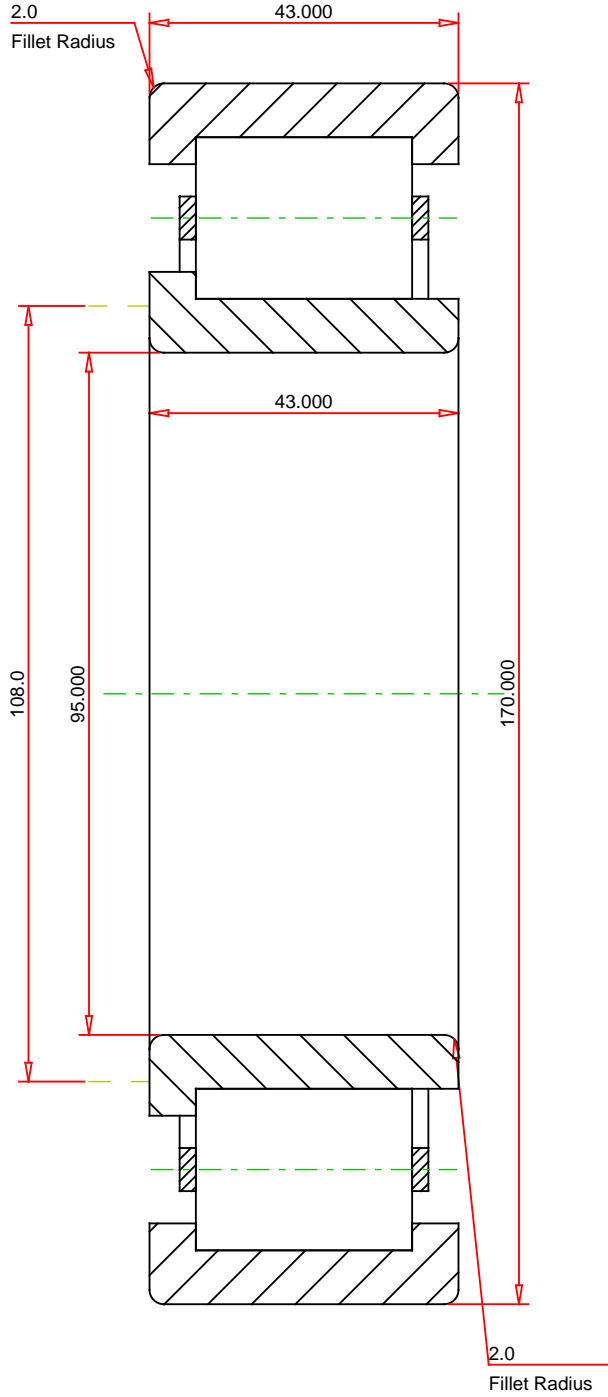
¹ Based on 1×10^6 L₁₀ life for the ISO life calculation method.

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 17
 Bearing Weight 4.3 kg



NJ2219EMA
 CYLINDRICAL ROLLER BEARING

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 324000 N
 Static Radial Rating 378000 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.

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