


**The Timken Company**

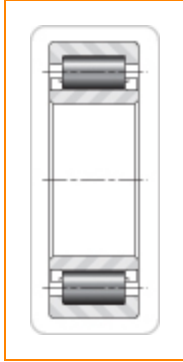
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## Part Number NU2322EMA, Cylindrical Roller Radial Bearings - Single Row ISO


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## Specifications

<b>Design Units</b>	Metric
<b>d - Bore</b>	110 mm
<b>Type</b>	NU

## Dimensions

<b>D - Outer Diameter</b>	240 mm 9.4488 in
<b>C - Inner Ring Width</b>	80 mm 3.1496 in
<b>B - Outer Ring Width</b>	80 mm 3.1496 in

## Basic Load Ratings



<b>C0 - Static Radial Rating</b>	891000 N 200000 lbf
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<b>C - Dynamic Radial Rating<sup>1</sup></b>	768000 N 173000 lbf
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## Factors

<b>Reference Thermal Speed Rating (Grease)</b>	1900 rpm
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<b>Reference Thermal Speed Rating (Oil)<sup>2</sup></b>	2200 rpm
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<b>Cg - Geometry Factor<sup>3</sup></b>	0.1268
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## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>4</sup></b>	2.5 mm 0.100 in
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<b>r - Outer Ring "To Clear" Radius<sup>5</sup></b>	2.5 mm 0.1 in
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<b>da - Inner Ring Backing Diameter</b>	135 mm 5.3000 in
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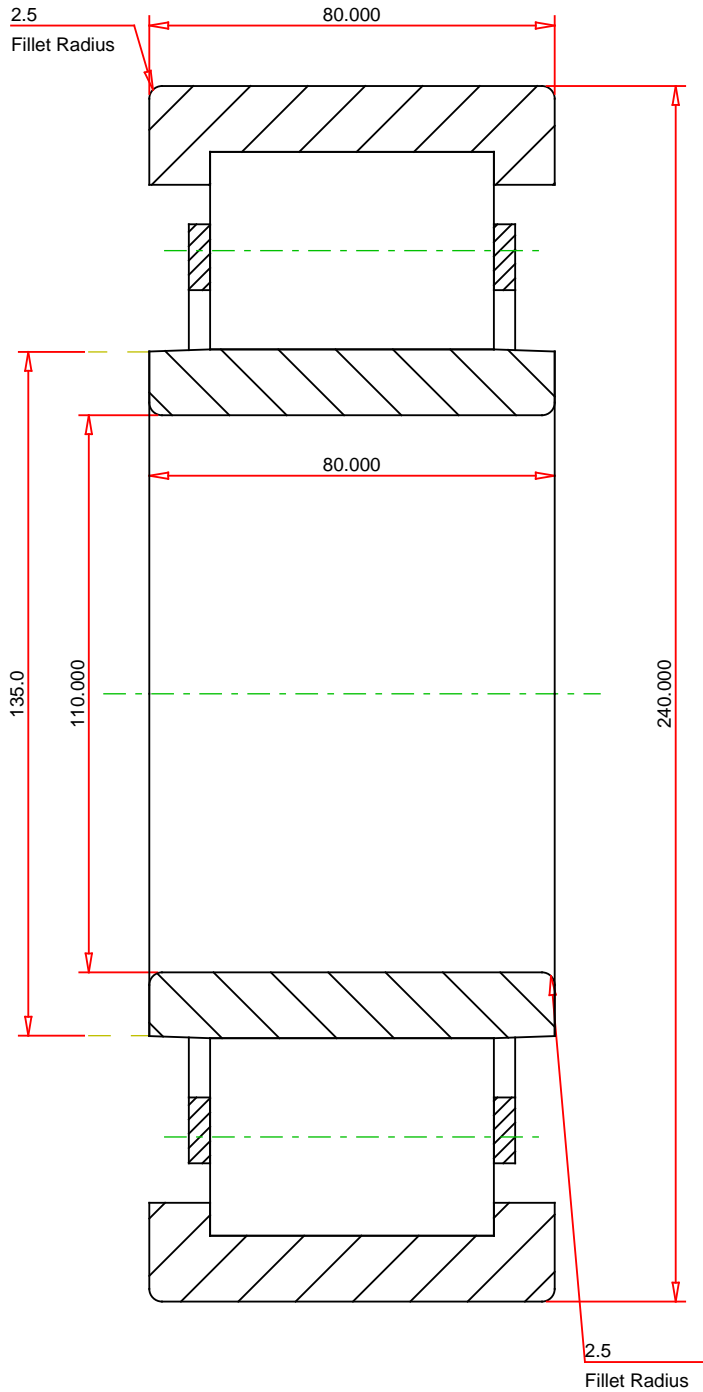
<sup>1</sup> Based on  $1 \times 10^6$  L<sub>10</sub> life for the ISO life calculation method.

<sup>2</sup> See thermal speed ratings in the engineering section.

<sup>3</sup> Geometry constant for Lubrication Life Adjustment Factor a3l.

<sup>4</sup> Maximum housing fillet radius that bearing corners will clear.

<sup>5</sup> Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Rollers Per Row 14  
 Bearing Weight 18.8 kg



NU2322EMA  
 CYLINDRICAL ROLLER BEARING

THE TIMKEN COMPANY  
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 768000 N  
 Static Radial Rating 891000 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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