


**The Timken Company**

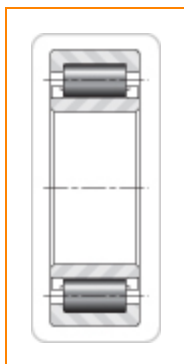
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## Part Number NU2222EMA, Cylindrical Roller Radial Bearings - Single Row ISO



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### Specifications

<b>Design Units</b>	Metric
<b>d - Bore</b>	110 mm
<b>Bearing Weight</b>	7.50 Kg 16.5 lb
<b>Type</b>	NU

### Dimensions

<b>D - Outer Diameter</b>	200 mm 7.874 in
<b>C - Inner Ring Width</b>	53 mm 2.0866 in
<b>B - Outer Ring Width</b>	53 mm 2.0866 in



## Basic Load Ratings

<b>C0 - Static Radial Rating</b>	527000 N 118000 lbf
<b>C - Dynamic Radial Rating<sup>1</sup></b>	436000 N 98000 lbf

## Factors

<b>Reference Thermal Speed Rating (Grease)</b>	2400 rpm
<b>Reference Thermal Speed Rating (Oil)<sup>2</sup></b>	2800 rpm
<b>Cg - Geometry Factor<sup>3</sup></b>	0.1118

## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>4</sup></b>	2 mm 0.100 in
<b>r - Outer Ring "To Clear" Radius<sup>5</sup></b>	2 mm 0.1 in
<b>da - Inner Ring Backing Diameter</b>	127.000 mm 5.000 in
<b>Da - Outer Ring Backing Diameter</b>	0 mm 0.0000 in

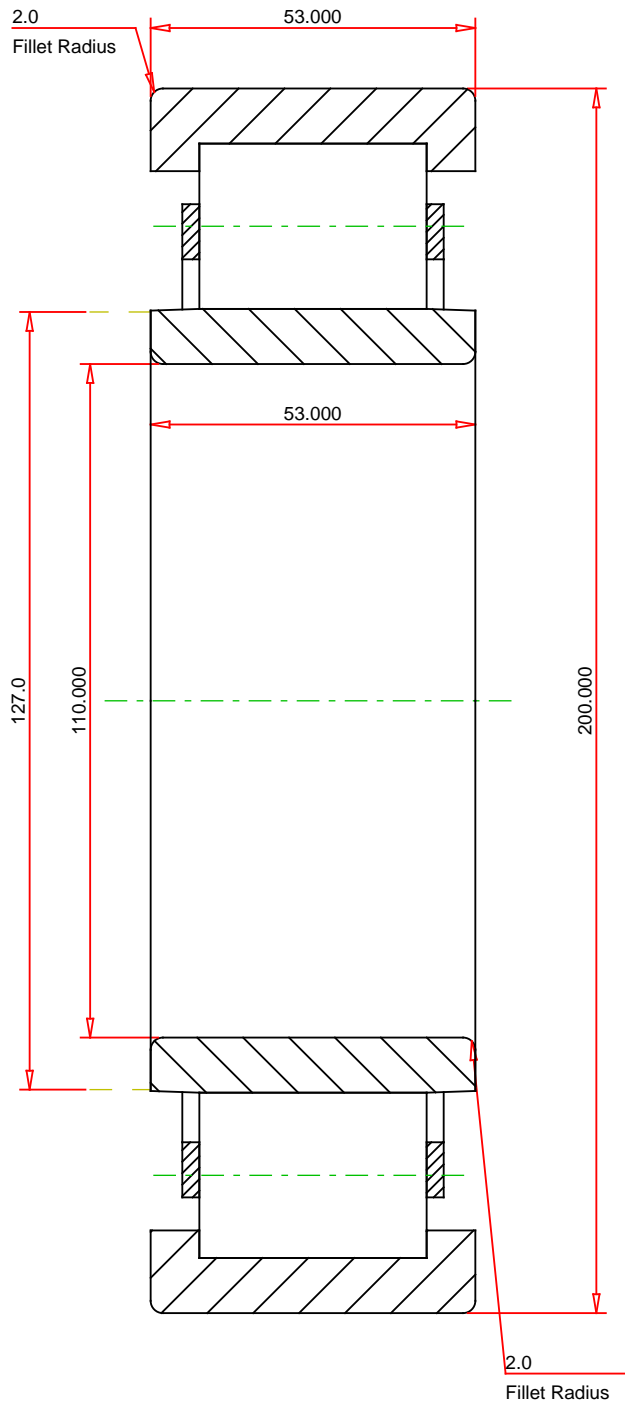
<sup>1</sup> Based on  $1 \times 10^6$  L<sub>10</sub> life for the ISO life calculation method.

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

<sup>3</sup> Geometry constant for Lubrication Life Adjustment Factor a<sub>3</sub>l.

<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

<div>Number of Rollers Per Row</div> <div>Bearing Weight</div>	<div>17</div> <div>7.5 kg</div> <div>TIMKEN®</div> <div>THE TIMKEN COMPANY</div> <div>NORTH CANTON, OHIO USA</div>	<div>NU2222EMA</div> <div>CYLINDRICAL ROLLER BEARING</div> <div>Dynamic Radial Rating</div> <div>Static Radial Rating</div> <div>436000</div> <div>527000</div> <div>N</div> <div>N</div>
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