



**The Timken Company**

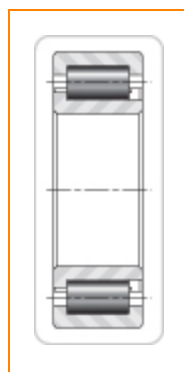
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## Timken Part Number NJ226EMA, Cylindrical Roller Radial Bearings - Single Row ISO



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### Specifications

<b>Design Units</b>	METRIC
<b>Bearing Weight</b>	7.3 Kg 16.1 lb
<b>Type</b>	NJ
<b>Tapered Bore</b>	N

### Dimensions

<b>d - Bore</b>	130 mm 5.1181 in
<b>D - Outer Diameter</b>	230 mm 9.0551 in
<b>C - Inner Ring Width</b>	40 mm 1.5748 in

<b>B - Outer Ring Width</b>	40 mm 1.5748 in
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## Basic Load Ratings

<b>C0 - Static Radial Rating</b>	464000 N 104000 lbf
<b>C - Dynamic Radial Rating<sup>1</sup></b>	411000 N 92400 lbf

## Factors

<b>Reference Thermal Speed Rating (Grease)</b>	2400
<b>Reference Thermal Speed Rating (Oil)<sup>2</sup></b>	2800
<b>Cg - Geometry Factor<sup>3</sup></b>	0.113

## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>4</sup></b>	2.500 mm 0.100 in
<b>r - Outer Ring "To Clear" Radius<sup>5</sup></b>	2.500 mm 0.100 in
<b>da - Inner Ring Backing Diameter</b>	148.000 mm 5.800 in
<b>Da - Outer Ring Backing Diameter</b>	0.000 mm 0.000 in

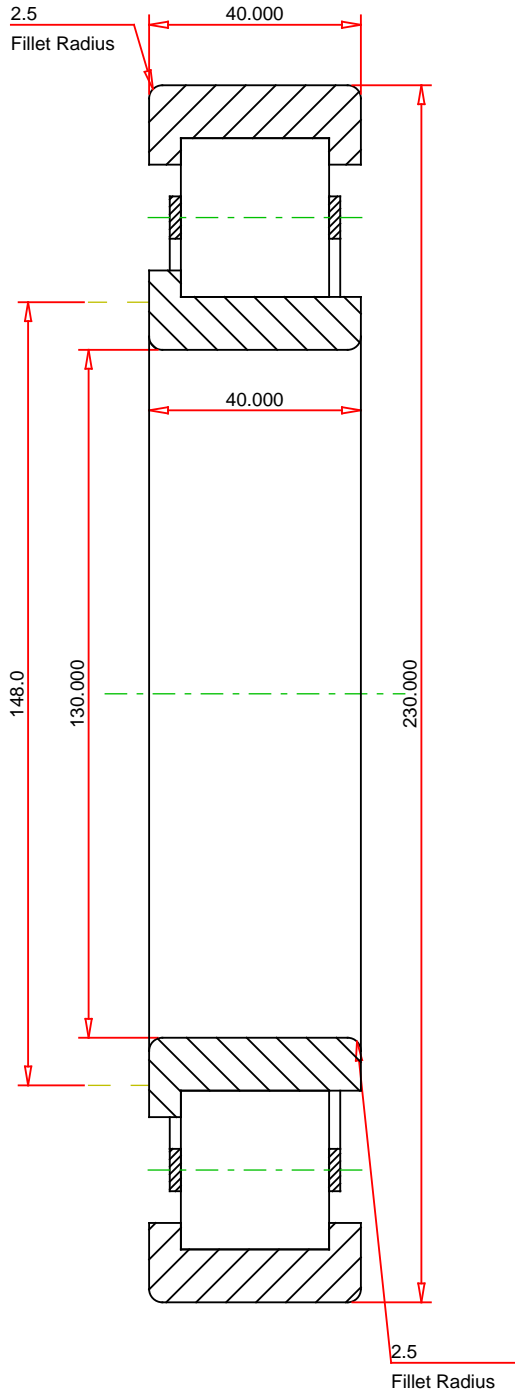
<sup>1</sup> Based on  $1 \times 10^6$  L<sub>10</sub> life for the ISO life calculation method.

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

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

<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 17  
Bearing Weight 7.3 kg

TIMKEN®

THE TIMKEN COMPANY  
NORTH CANTON, OHIO USA

NJ226EMA  
CYLINDRICAL ROLLER BEARING

Dynamic Radial Rating 411000 N  
Static Radial Rating 464000 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