



**The Timken Company**

4500 Mt Pleasant St. NW

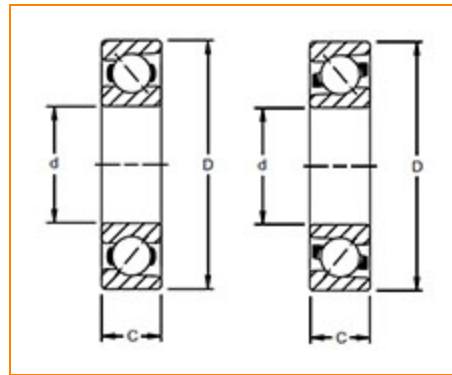
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## Part Number 7311WN MBR SU, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

Timken® angular contact ball bearings are designed for combination radial and axial loading. Single-row bearings have high thrust capacity in one direction. Some single-row bearings are specifically designed for duplex mounting in sets for maximum performance.



[Dimensions](#) | [Basic Load Ratings](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

### Dimensions

<b>d - Bore</b>	55 mm
<b>D - Outer Diameter</b>	120 mm 4.7244 in
<b>Bearing Width</b>	29 mm 1.1417 in
<b>Contact Angle</b>	40 °

### Basic Load Ratings

 <b>C<sub>0</sub> - Static Radial Rating</b>	56400 N 12700 lbf
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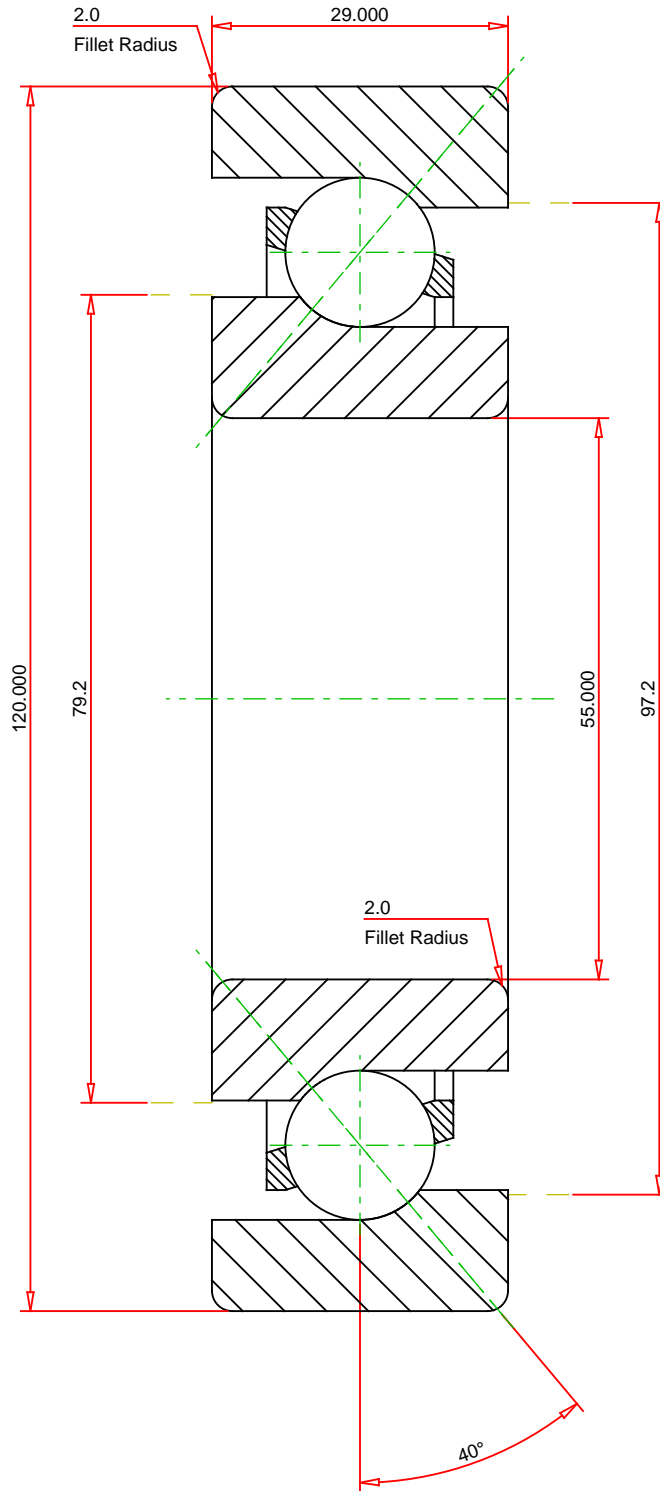
**Ce - Dynamic Radial Rating<sup>1</sup>**88800 N  
20000 lbf**Specifications**

<b>Ball Type</b>	STEEL
<b>Cage Type</b>	Machined Bronze Cage
<b>Design Units</b>	Metric
<b>Manufacturing Part Number</b>	7311WNMBRSUC1

**Abutment and Fillet Dimensions**

<b>R - Inner Ring "To Clear" Radius<sup>2</sup></b>	2 mm 0.079 in
<b>r - Outer Ring "To Clear" Radius<sup>3</sup></b>	2 mm 0.079 in
<b>da - Inner Ring Backing Diameter</b>	79.170 mm 3.117 in
<b>Da - Outer Ring Backing Diameter</b>	97.180 mm 3.826 in

<sup>1</sup> Based on  $10^6$  revolutions of calculated fatigue life.<sup>2</sup> Maximum housing fillet radius that bearing corners will clear.<sup>3</sup> Maximum shaft fillet radius that bearing corners will clear.



**METRIC UNITS**

Number of Balls Per Row 12  
 Bearing Weight 1.592 kg

**TIMKEN**®

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 NORTH CANTON, OHIO USA

**7311WN MBR SU**  
 Fafnir® Single Row Angular Contact Ball Bearings  
 (7200, 7300, 7400)

Dynamic Radial Rating 88800 N  
 Static Radial Rating 56400 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**