



**The Timken Company**

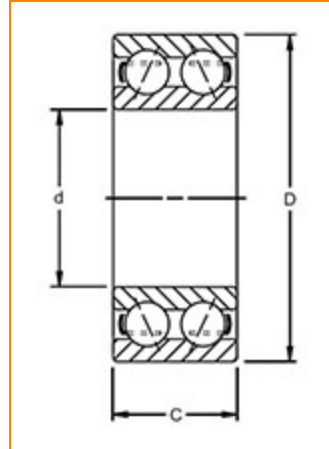
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Part Number 5414W, Fafnir® Double Row Angular Contact Ball Bearings (5200, 5300, 5400)




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## Specifications

<b>Design Units</b>	Metric
<b>d - Bore</b>	70 mm
<b>Ball Type</b>	STEEL
<b>Cage Type</b>	Machined

## Dimensions

<b>D - Outer Diameter</b>	180 mm 7.0860 in
<b>C - Ring Width</b>	79.375 mm 3-1/8 in
 <b>Contact Angle</b>	20 °

## Basic Load Ratings

<b>C0 - Static Radial Rating</b>	244700 N 55000 lbf
<b>Ce - Dynamic Radial Rating<sup>1</sup></b>	291400 N 65500 lbf

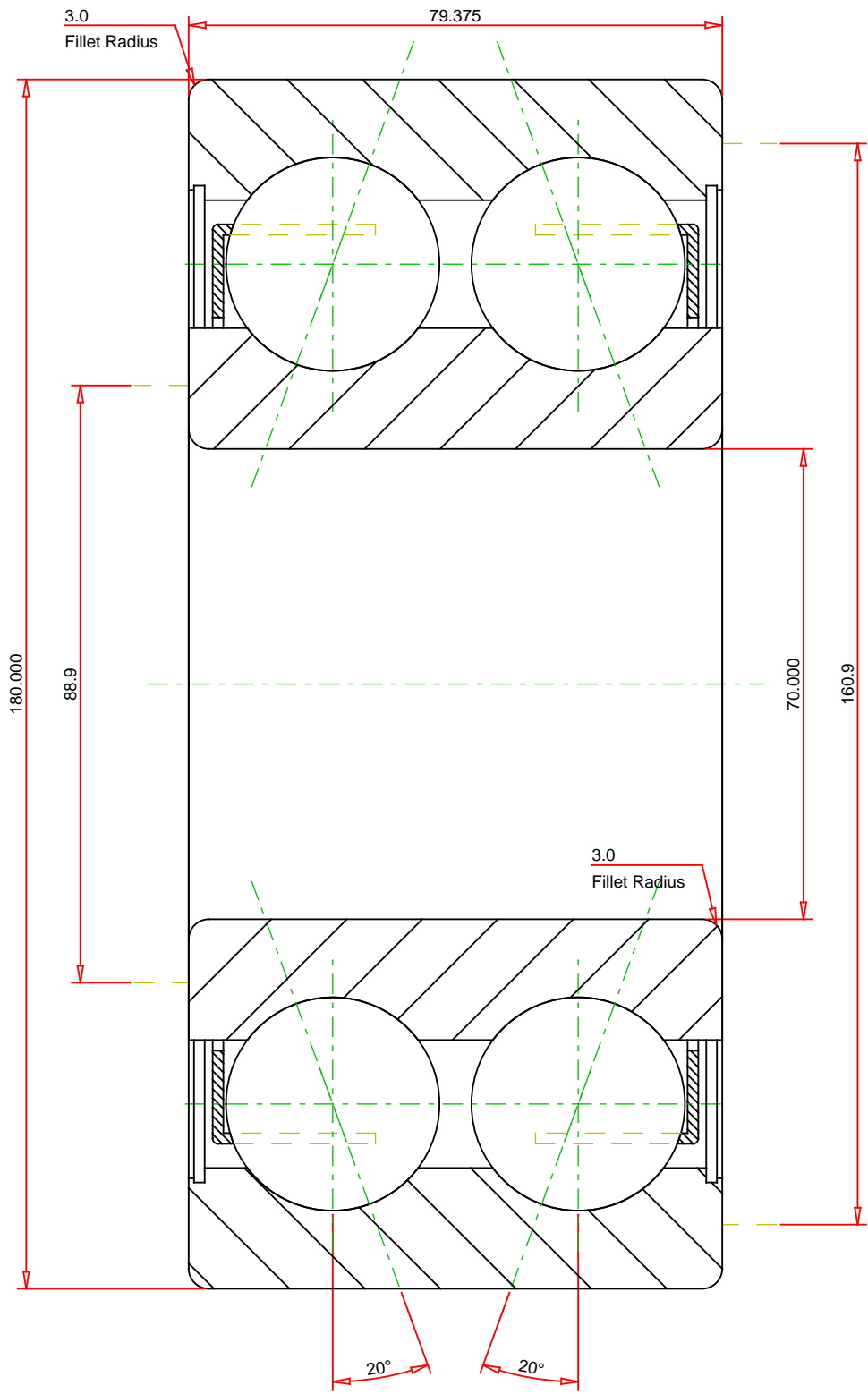
## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>2</sup></b>	2.997 mm 0.118 in
<b>r - Outer Ring "To Clear" Radius<sup>3</sup></b>	2.997 mm 0.118 in
<b>da - Inner Ring Backing Diameter</b>	88.90 mm 3.5000 in
<b>Da - Outer Ring Backing Diameter</b>	160.909 mm 6.335 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

<div>Number of Balls Per Row10</div> <div>Bearing Weight10.233 kg</div>		<div>TIMIKEN®</div> <div>THE TIMKEN COMPANY</div> <div>NORTH CANTON, OHIO USA</div>		<div>5414W</div> <div>Fafnir® Double Row Angular Contact Ball Bearings</div> <div>(5200, 5300, 5400)</div>	
			Dynamic Load Rating	291400	N
			Static Load Rating	244700	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	