



**The Timken Company**

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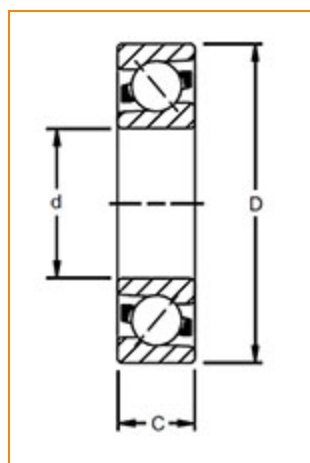
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## Part Number 7210 BM/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

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](#) | [Factors](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

### Dimensions

<b>d - Bore</b>	50.00 mm 1.9685 in
<b>D - Outer Diameter</b>	90.00 mm 3.5433 in
<b>Bearing Width</b>	20.00 mm 0.7874 in
<b>Contact Angle</b>	40 °

### Basic Load Ratings



**C0 - Static Radial Rating**

28600 N  
6428 lbf

C1 ISO - Dynamic Radial Rating	37500 N 8429 lbf
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## Factors

Limiting Speed (Grease)	6700 rpm
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Limiting Speed (Oil)	9000 rpm
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## Specifications

Ball Type	STEEL
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Cage Type	Machined
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Cage Material	Brass
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Bearing Weight	0.52 Kg 1.147 lb
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Design Units	METRIC
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R - Inner Ring "Touch" Radius	0.6
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r - Outer Ring "Touch" Radius	0.6
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Features	Open
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## Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius <sup>1</sup>	0.60 mm 0.024 in
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r - Outer Ring "To Clear" Radius <sup>2</sup>	0.60 mm 0.024 in
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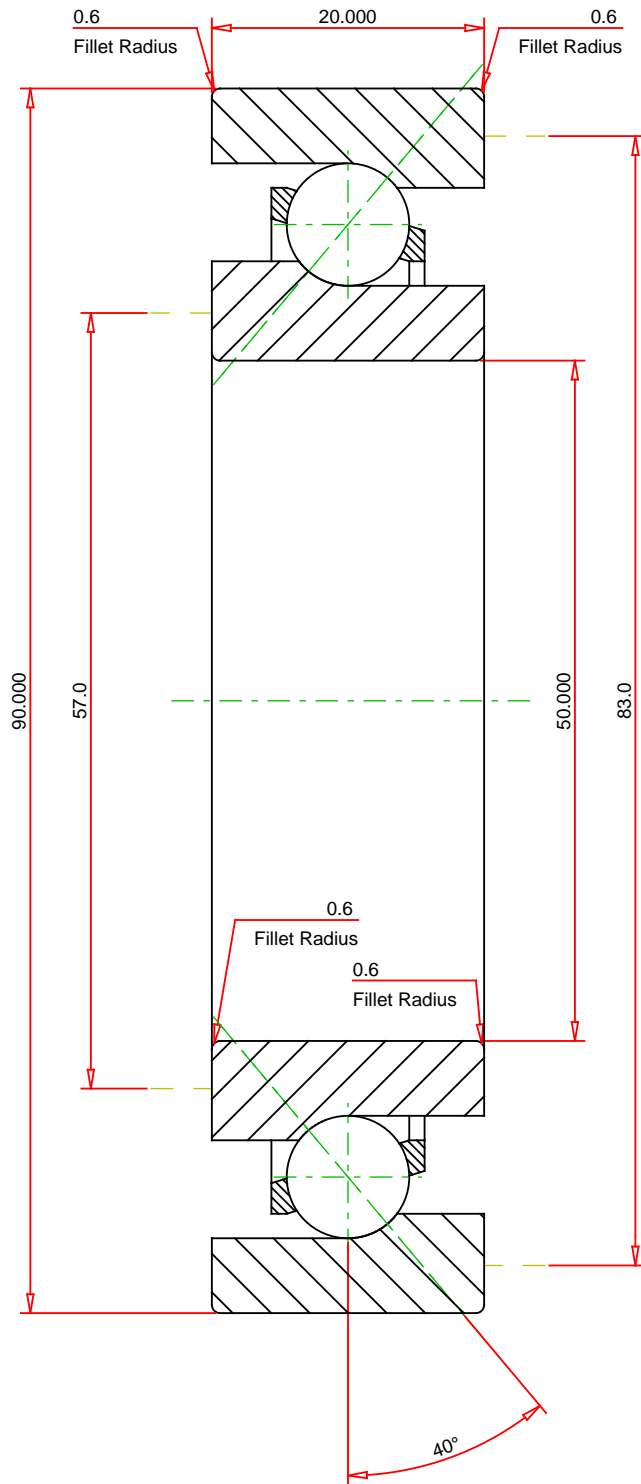
da - Inner Ring Backing Diameter	57.0 mm 2.244 in
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Da - Outer Ring Backing	83.0 mm
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**Diameter**

3.268 in

- <sup>1</sup> Maximum housing fillet radius that bearing corners will clear.
- <sup>2</sup> Maximum shaft fillet radius that bearing corners will clear.



## METRIC UNITS

Number of Balls Per Row Bearing Weight	15 0.520 kg	<div>TIMKEN®</div>	7210 BM/CN Timken® Single Row Angular Contact Ball Bearings (7200, 7300)	
		<div>THE TIMKEN COMPANY NORTH CANTON, OHIO USA</div>	<div>Dynamic Radial Rating37500 N Static Radial Rating28600 N</div>	

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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