

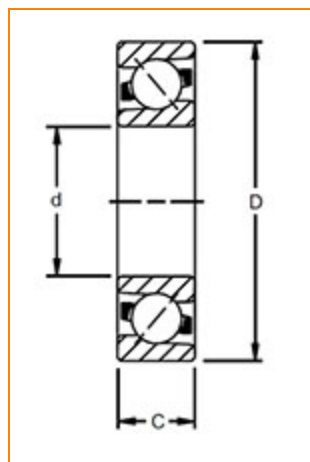
**TIMKEN****The Timken Company**

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N. Canton, OH 44720

**Phone:** (234) 262-3000**E-Mail:** [CustomerCAD@timken.com](mailto:CustomerCAD@timken.com) • **Web site:** [www.timken.com](http://www.timken.com)**Part Number 7216 BTN1, 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>	80.00 mm 3.1496 in
<b>D - Outer Diameter</b>	140.00 mm 5.5118 in
<b>Bearing Width</b>	26.00 mm 1.0236 in
<b>Contact Angle</b>	40 °

**Basic Load Ratings**

<b>C0 - Static Radial Rating</b>	69500 N 15619 lbf
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90500 N

C1 ISO - Dynamic Radial Rating	80500 N 18091 lbf
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## Factors

Limiting Speed (Grease)	4300 rpm
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Limiting Speed (Oil)	5700 rpm
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## Specifications

Ball Type	STEEL
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Cage Type	Molded
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Cage Material	Polyamide
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Bearing Weight	1.42 Kg 3.131 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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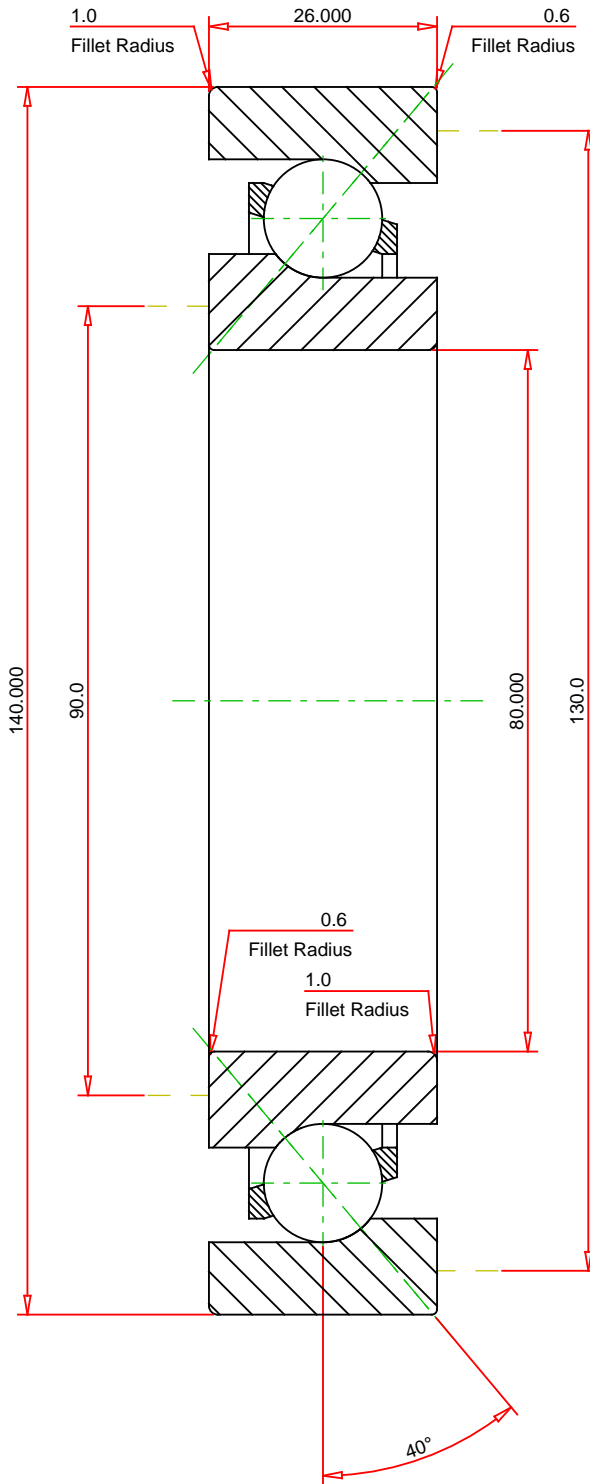
## Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius <sup>1</sup>	1.00 mm 0.039 in
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r - Outer Ring "To Clear" Radius <sup>2</sup>	1.00 mm 0.039 in
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da - Inner Ring Backing Diameter	90.0 mm 3.543 in
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Da - Outer Ring Backing Diameter	130.00 mm 5.1180 in
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METRIC UNITS

Number of Balls Per Row 16  
 Bearing Weight 1.420 kg

**TIMKEN**®

**7216 BTN1**  
 Timken® Single Row Angular Contact Ball Bearings  
 (7200, 7300)

**THE TIMKEN COMPANY**  
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 80500 N  
 Static Radial Rating 69500 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**