

TIMKEN**The Timken Company**

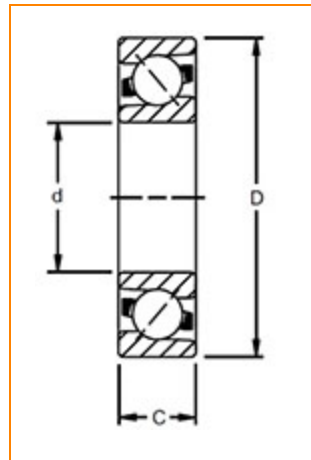
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E-Mail: CustomerCAD@timken.com • Web site: www.timken.com**Part Number 7308 BTN1, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)**

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

d - Bore	40.00 mm 1.5748 in
D - Outer Diameter	90.00 mm 3.5433 in
Bearing Width	23.00 mm 0.9055 in
Contact Angle	40 °

Basic Load Ratings**C0 - Static Radial Rating**27700 N
6226 lbf

42200 N

C1 ISO - Dynamic Radial Rating	42200 N 9485 lbf
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Factors

Limiting Speed (Grease)	7400 rpm
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Limiting Speed (Oil)	9900 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	0.64 Kg 1.411 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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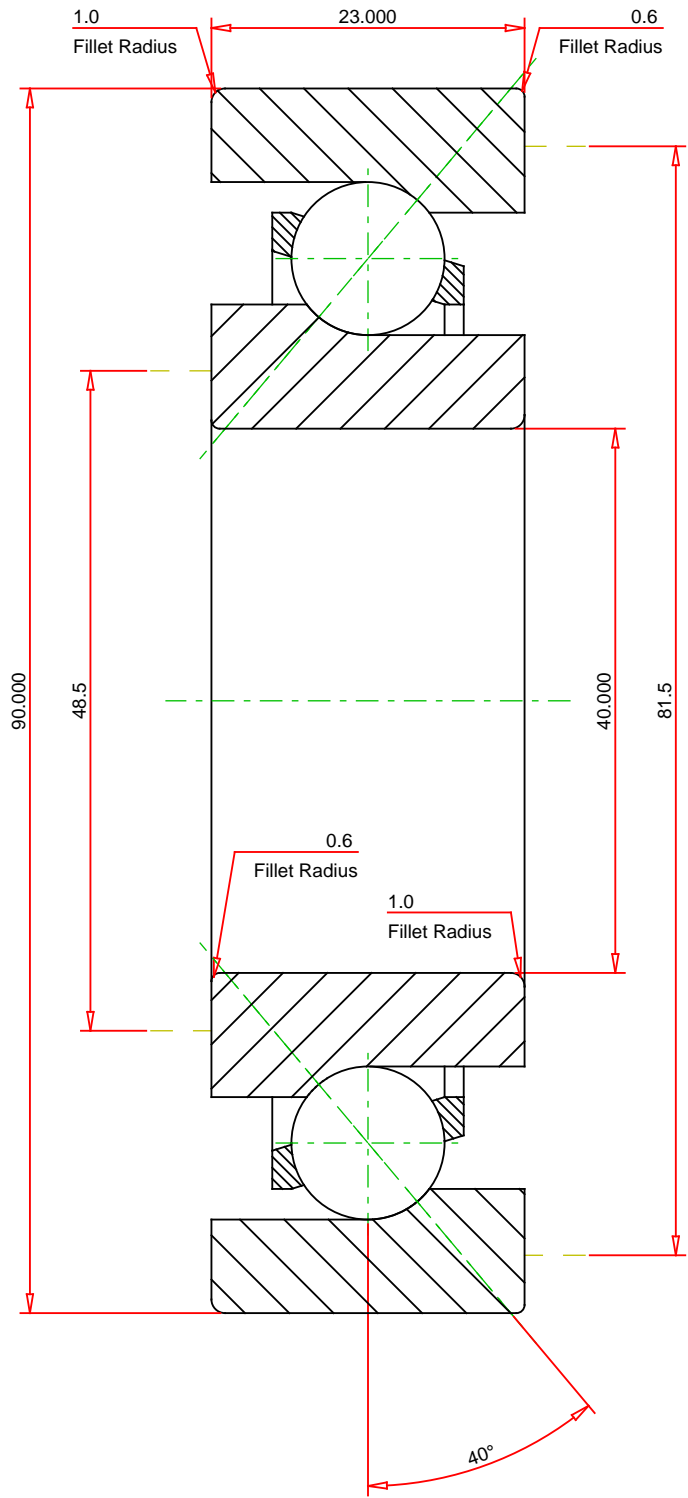
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	1.00 mm 0.039 in
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r - Outer Ring "To Clear" Radius²	1.00 mm 0.039 in
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da - Inner Ring Backing Diameter	48.5 mm 1.909 in
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Da - Outer Ring Backing Diameter	81.5 mm 3.209 in
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METRIC UNITS

Number of Balls Per Row	11
Bearing Weight	0.640 kg

TIMKEN®

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NORTH CANTON, OHIO USA

7308 BTN1	
Timken® Single Row Angular Contact Ball Bearings (7200, 7300)	
Dynamic Radial Rating	42200 N
Static Radial Rating	27700 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.

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