

TIMKEN**The Timken Company**

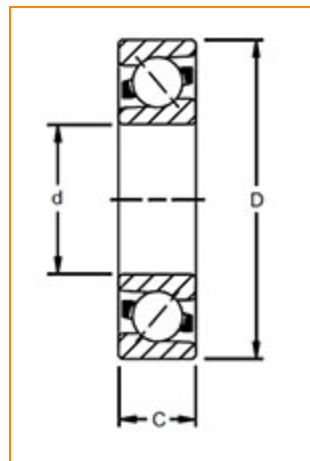
4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000**E-Mail:** CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 7308 BM/UL, 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

C1 ISO - Dynamic Radial Rating	42200 N 9485 lbf
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Factors

Limiting Speed (Grease)	7400 rpm
Limiting Speed (Oil)	9900 rpm

Specifications

Ball Type	STEEL
Cage Type	Machined
Cage Material	Brass
Bearing Weight	0.71 Kg 1.565 lb
Design Units	METRIC
R - Inner Ring "Touch" Radius	0.6
r - Outer Ring "Touch" Radius	0.6
Features	Open

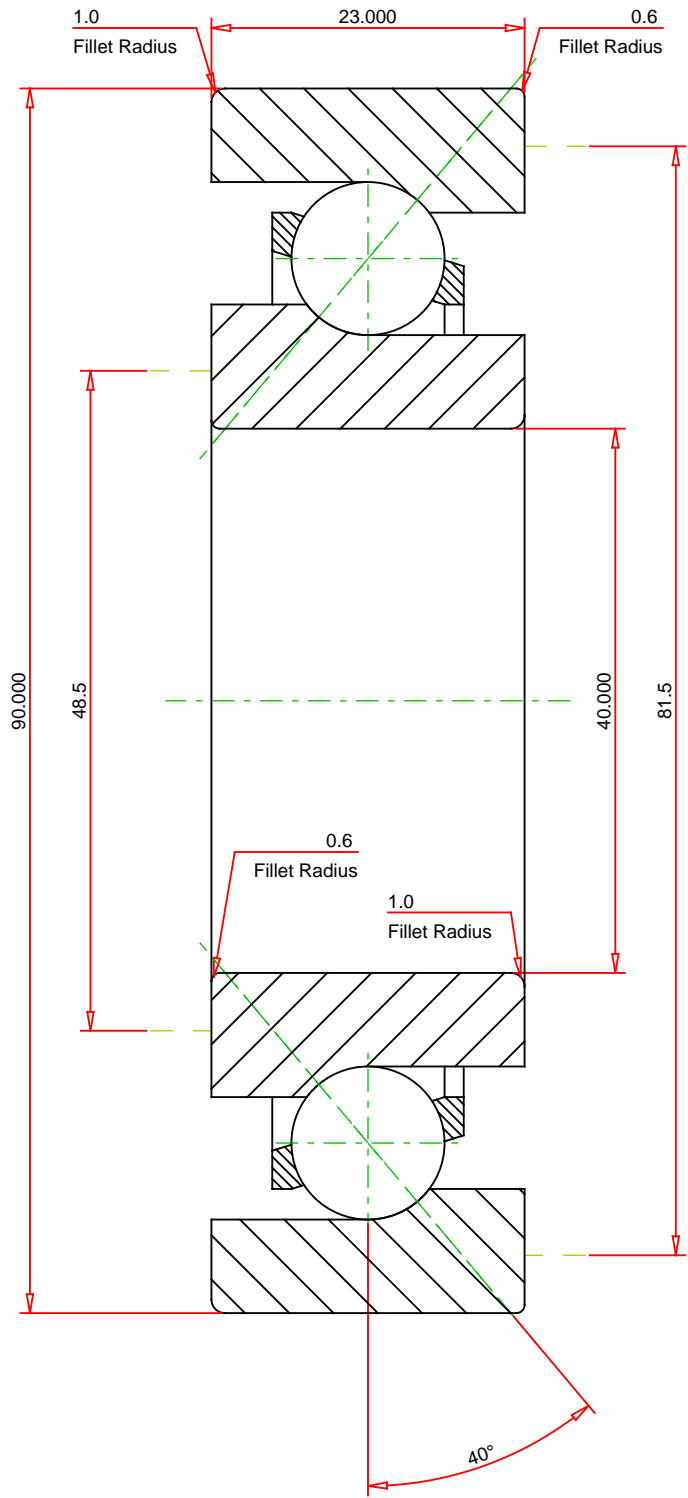
Abutment and Fillet Dimensions

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

Diameter

3.209 in

- ¹ Maximum housing fillet radius that bearing corners will clear.
- ² Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row	11
Bearing Weight	0.710 kg

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NORTH CANTON, OHIO USA

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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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