

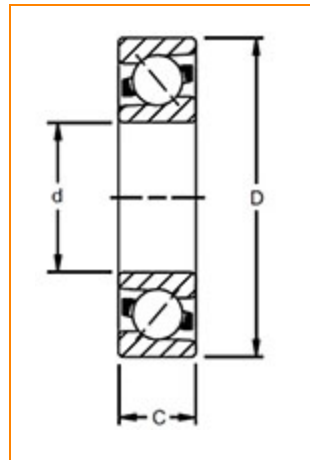
TIMKEN**The Timken Company**

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 7200 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	10.00 mm 0.3937 in
D - Outer Diameter	30.000 mm 1.1811 in
Bearing Width	9.000 mm 0.3543 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	2580 N 580 lbf
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5450 N

C1 ISO - Dynamic Radial Rating	3050 N 1270 lbf
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Factors

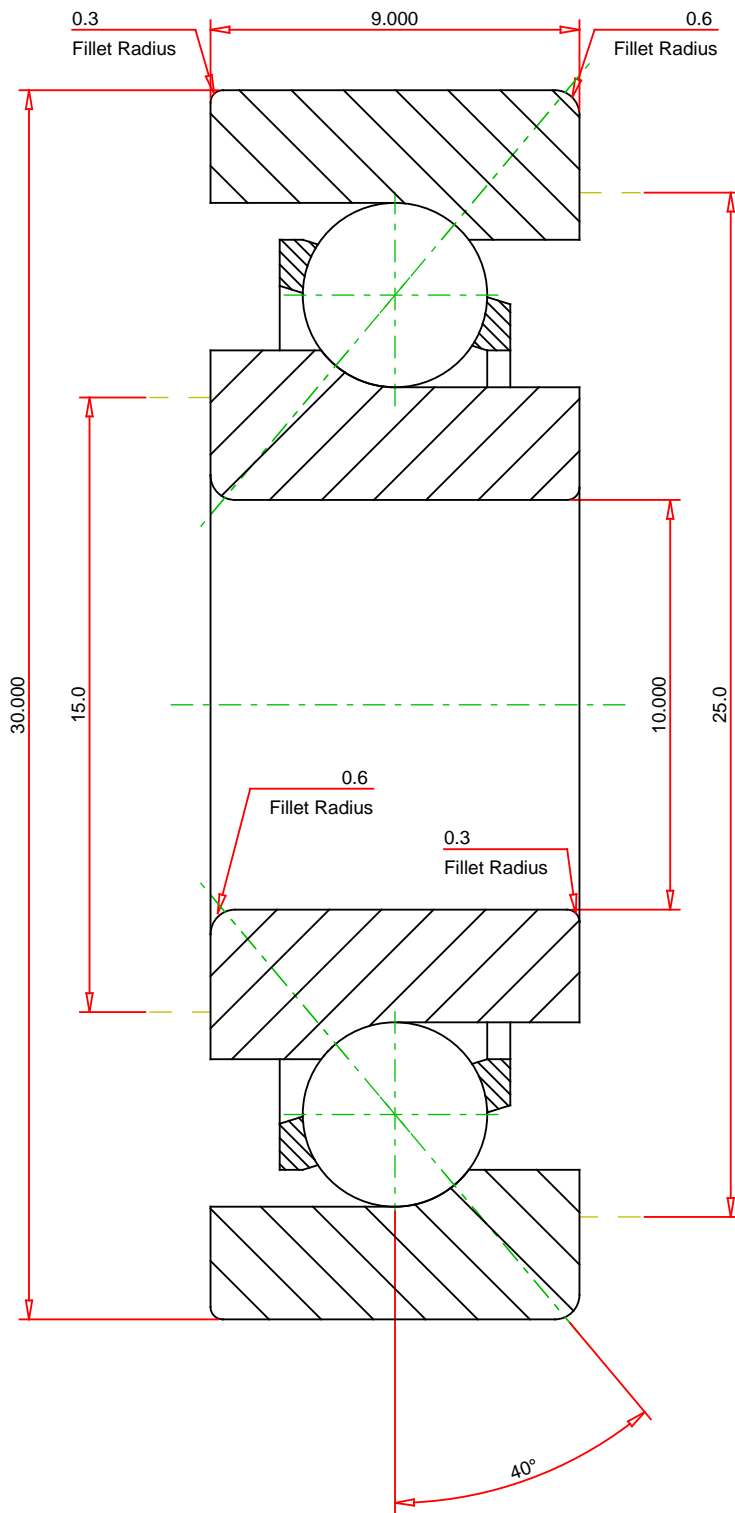
Limiting Speed (Grease)	24000 rpm
Limiting Speed (Oil)	32000 rpm

Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	0.029 Kg 0.064 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" Radius ¹	0.30 mm 0.012 in
r - Outer Ring "To Clear" Radius ²	0.30 mm 0.012 in
da - Inner Ring Backing Diameter	15.0 mm 0.591 in
Da - Outer Ring Backing Diameter	25.0 mm 0.984 in



METRIC UNITS

Number of Balls Per Row 8
 Bearing Weight 0.029 kg

TIMKEN®

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

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 5650 N
 Static Radial Rating 2580 N

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