



The Timken Company

4500 Mt Pleasant St. NW

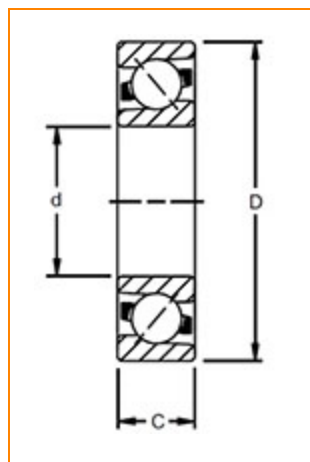
N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • Web site: www.timken.com

Part Number 7212 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	60.00 mm 2.3622 in
D - Outer Diameter	110.00 mm 4.3307 in
Bearing Width	22.00 mm 0.8661 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	44500 N 10001 lbf
----------------------------------	----------------------



54000 N

C1 ISO - Dynamic Radial Rating 38000 N
12585 lbf

Factors

Limiting Speed (Grease) 5700 rpm

Limiting Speed (Oil) 7600 rpm

Specifications

Ball Type STEEL

Cage Type Molded

Cage Material Polyamide

Bearing Weight 0.78 Kg
1.72 lb

Design Units METRIC

R - Inner Ring "Touch" Radius 0.6

r - Outer Ring "Touch" Radius 0.6

Features Open

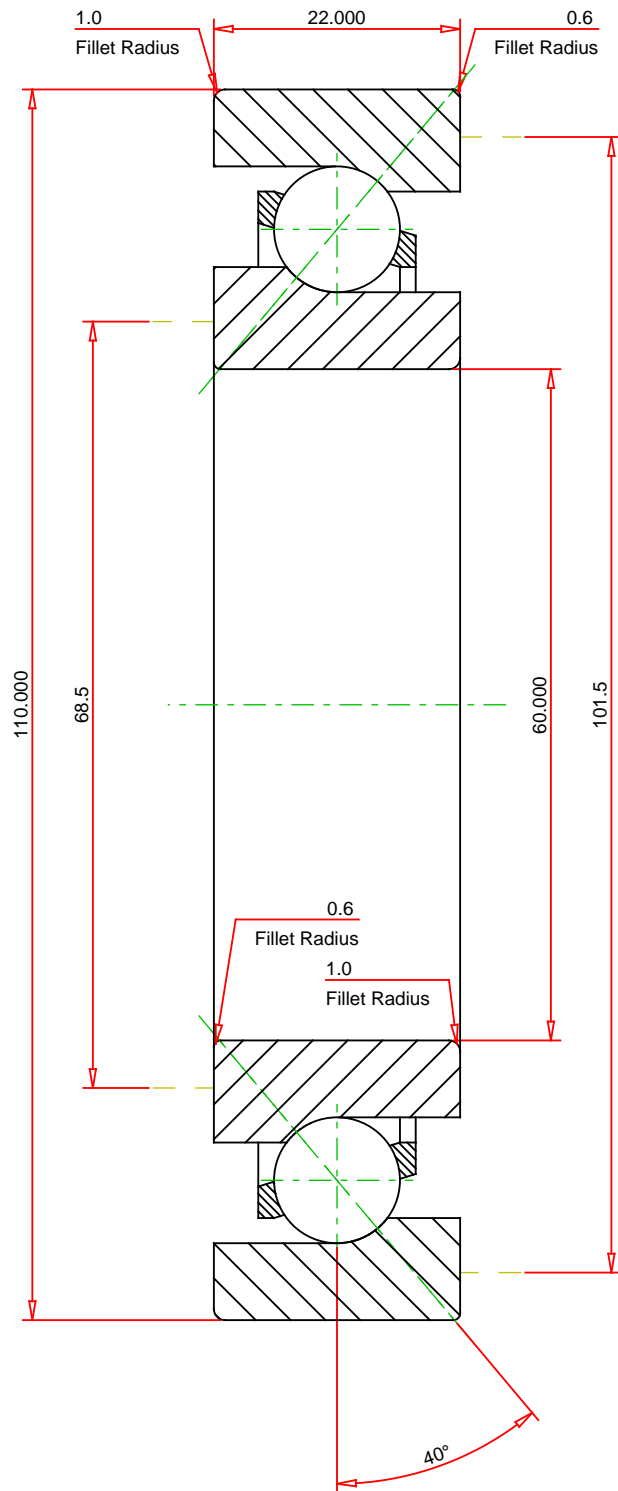
Abutment and Fillet Dimensions

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 68.5 mm
2.697 in

Da - Outer Ring Backing Diameter 101.5 mm
3.996 in



METRIC UNITS

Number of Balls Per Row Bearing Weight	15 0.780 kg	<div>TIMKEN®</div>	7212 BTN1 Timken® Single Row Angular Contact Ball Bearings (7200, 7300)	
		<div>THE TIMKEN COMPANY NORTH CANTON, OHIO USA</div>	<div>Dynamic Radial Rating56000 N</div> <div>Static Radial Rating44500 N</div>	