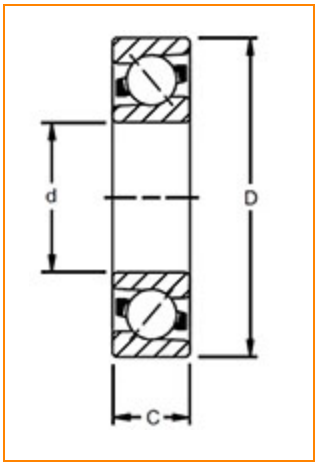
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 7201 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	12.00 mm 0.4724 in
D - Outer Diameter	32.00 mm 1.2598 in
Bearing Width	10.00 mm 0.3937 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	3700 N 832 lbf
	7400 N

C1 ISO - Dynamic Radial Rating	7400 N 1663 lbf

Factors

Limiting Speed (Grease)	21000 rpm
Limiting Speed (Oil)	28000 rpm

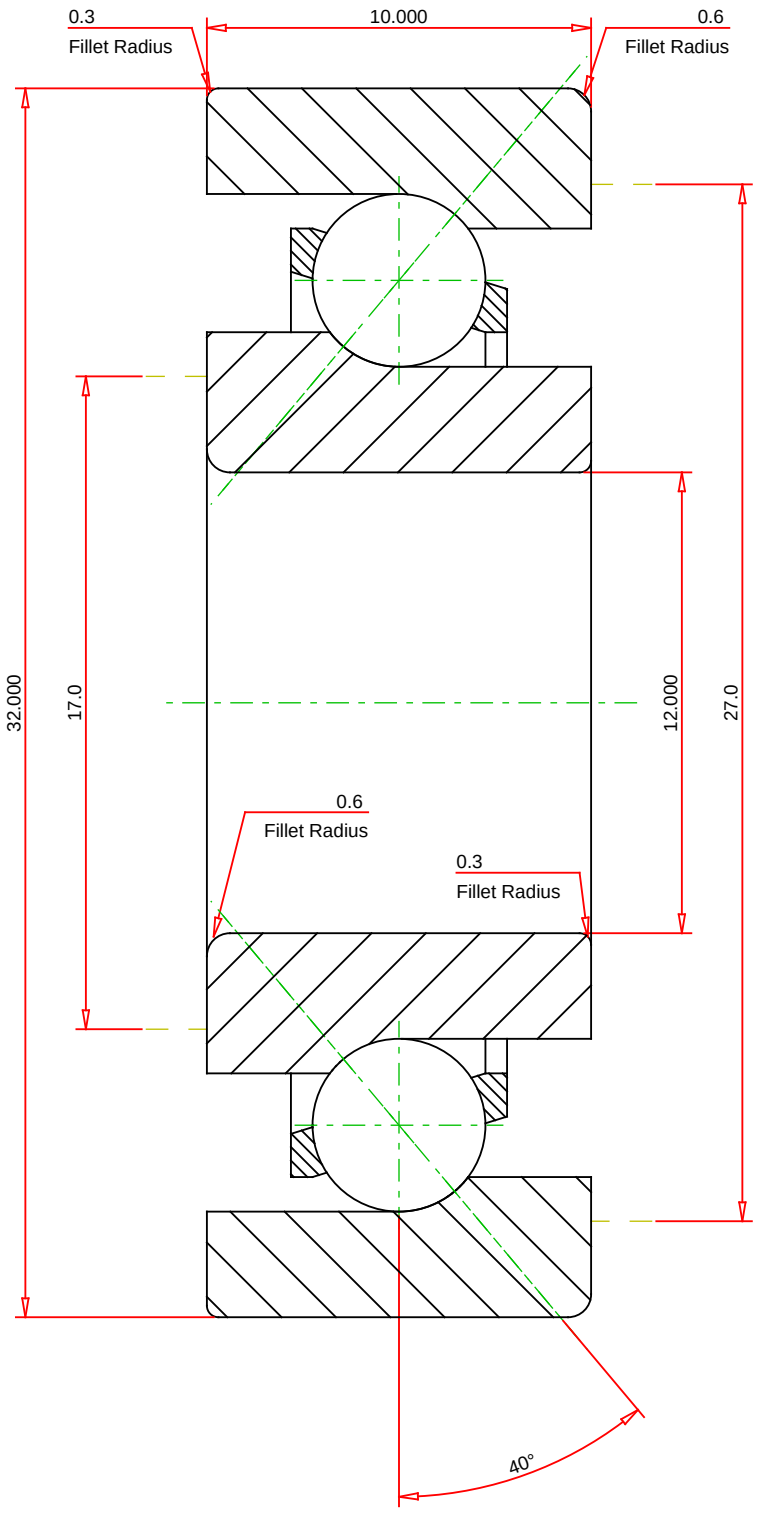
Specifications

Ball Type	STEEL
Cage Type	Molded
Cage Material	Polyamide
Bearing Weight	0.04 Kg 0.088 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	17.0 mm 0.669 in
Da - Outer Ring Backing Diameter	27.0 mm 1.063 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	10	
Bearing Weight	0.040	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7201 BTN1

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

Dynamic Radial Rating	7400	N
Static Radial Rating	3700	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