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

Timken Part Number 7317WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	85.000 mm 3.3465 in
D - Outer Diameter	180.000 mm 7.0866 in
Bearing Width	41.000 mm 1.6142 in
Contact Angle	40 °
do - Ball Diameter	30.16250 mm 1.18750 in

Basic Load Ratings

C0 - Static Radial Rating	122000 N 27500 lbf
Ce - Dynamic Radial Rating[1]	166000 N 37500 lbf

Factors

Limiting Speed (Grease)	2640 rpm
Limiting Speed (Oil)	3020 rpm

Specifications

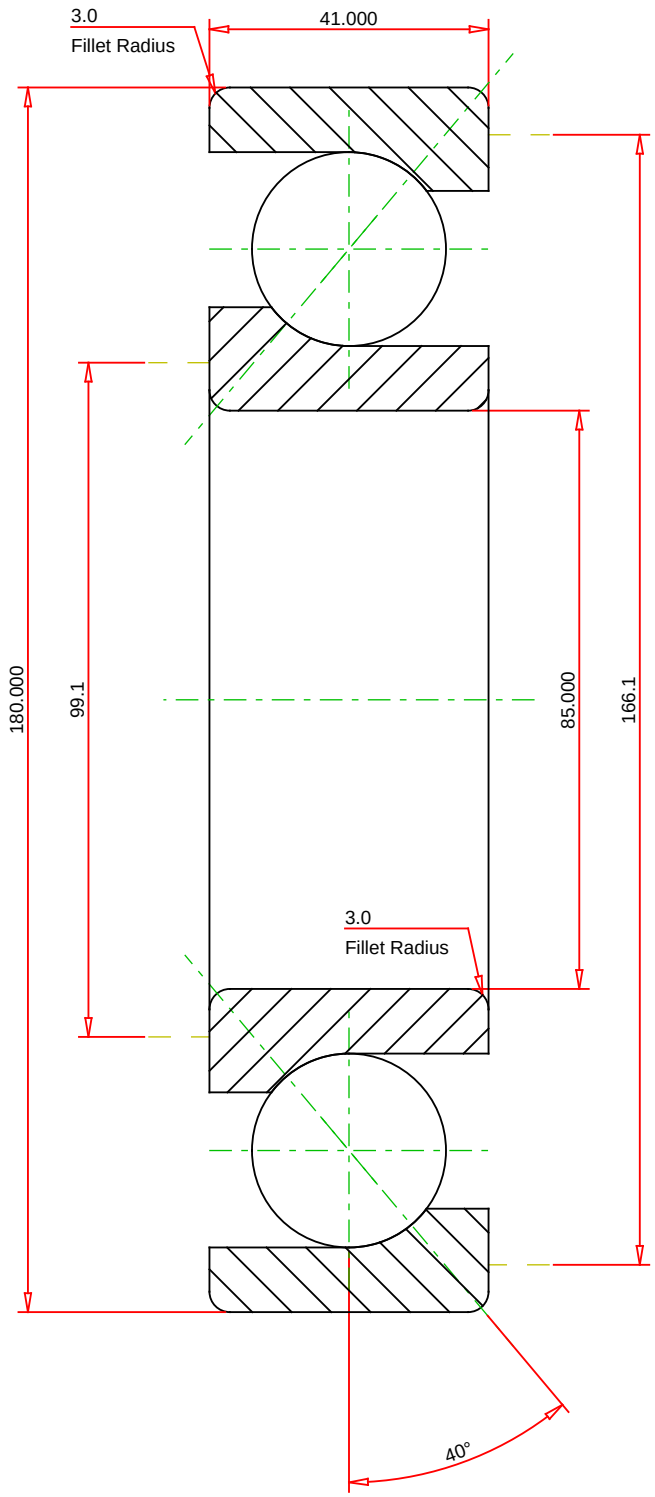
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	4.940 Kg 10.88 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	3.000 mm 0.118 in
r - Outer Ring "To Clear" Radius[3]	3.000 mm 0.118 in
da - Inner Ring Backing Diameter	99.100 mm 3.900 in
Da - Outer Ring Backing Diameter	166.100 mm 6.540 in

[1] Based on 10^6 revolutions of calculated fatigue life.

[2] Maximum housing fillet radius that bearing corners will clear.
[3] Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Balls Per Row	12	
Bearing Weight	4.940	kg

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7317WN

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(7200, 7300, 7400)

Dynamic Radial Rating	166000	N
Static Radial Rating	122000	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