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 7305WN, 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	25.000 mm 0.9843 in
D - Outer Diameter	62.000 mm 2.4409 in
Bearing Width	17.000 mm 0.6693 in
Contact Angle	40 °
do - Ball Diameter	11.112500 mm 0.437500 in

Basic Load Ratings

C0 - Static Radial Rating	13300 N 3000 lbf
Ce - Dynamic Radial Rating[1]	26500 N 5850 lbf

Factors

Limiting Speed (Grease)	8070 rpm
Limiting Speed (Oil)	9220 rpm

Specifications

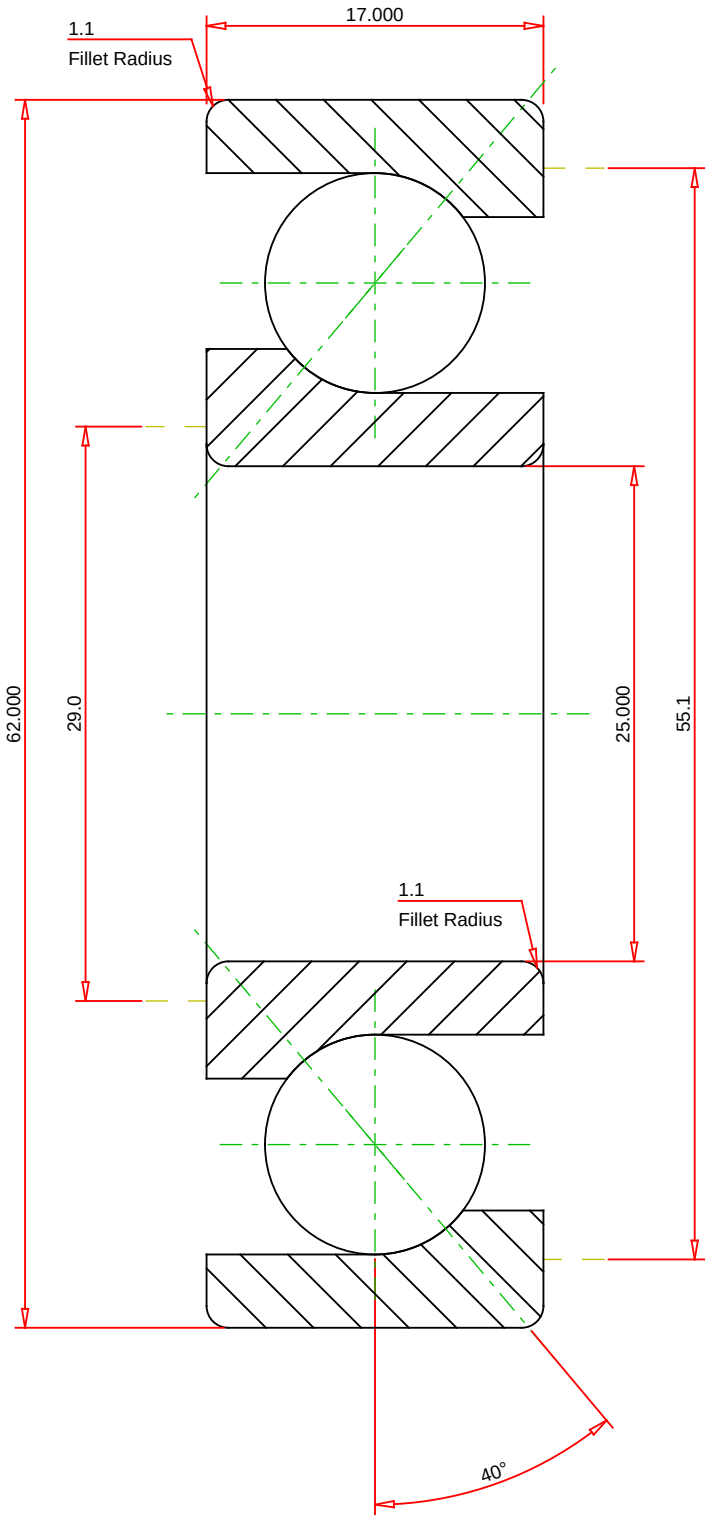
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.241 Kg 0.53 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.100 mm 0.043 in
r - Outer Ring "To Clear" Radius[3]	1.100 mm 0.043 in
da - Inner Ring Backing Diameter	29.000 mm 1.140 in
Da - Outer Ring Backing Diameter	55.100 mm 2.170 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	11	
Bearing Weight	0.241	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7305WN

Fafnir® Single Row Angular Contact Ball Bearings
(7200, 7300, 7400)

Dynamic Radial Rating	26500	N
Static Radial Rating	13300	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