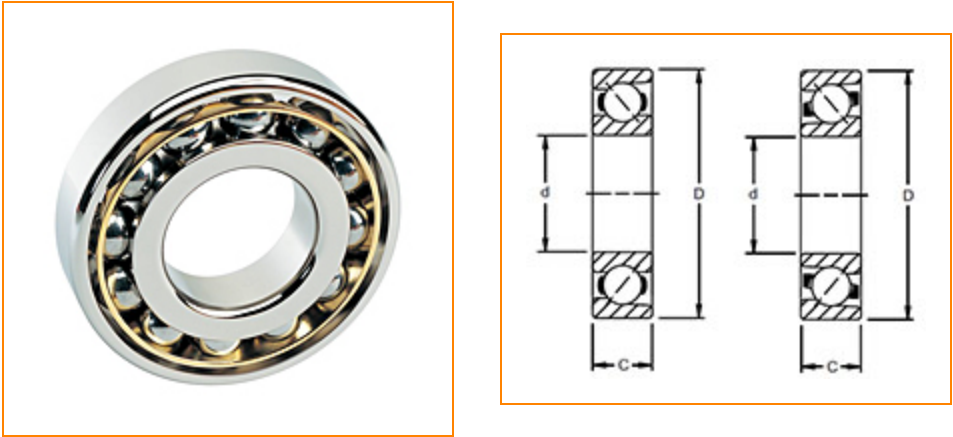




The Timken Company
 4500 Mt Pleasant St. NW
 N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 7308WN, 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	40 mm
D - Outer Diameter	90 mm 3.5433 in
Bearing Width	23 mm 0.9055 in
Contact Angle	40 °

Basic Load Ratings	
 C0 - Static Radial Rating	30200 N 6800 lbf

Ce - Dynamic Radial Rating¹50600 N
11400 lbf**Factors****Limiting Speed (Grease)**

5400 rpm

Limiting Speed (Oil)

6170 rpm

Specifications**Ball Type**

STEEL

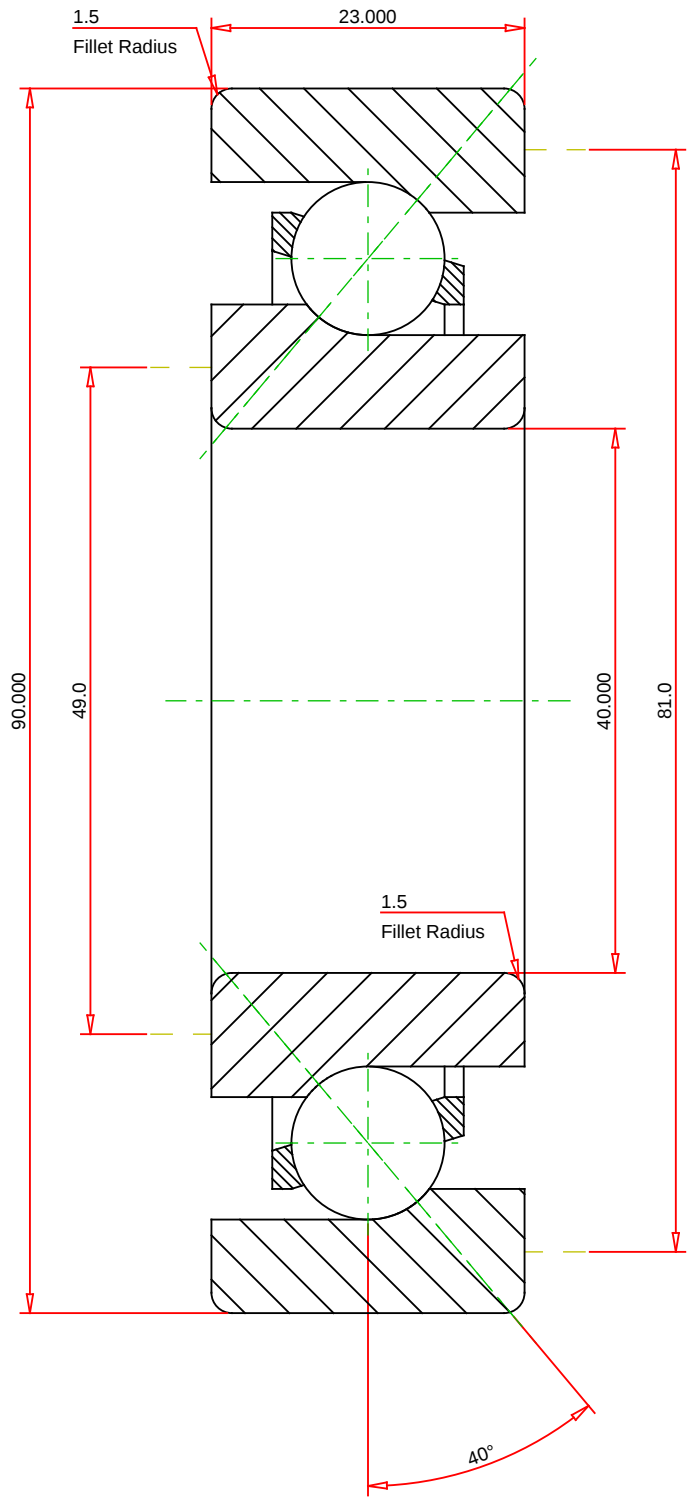
Cage Type

Ball Piloted, Pressed Brass Cage

Design Units

Metric

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius²**1.5 mm
0.059 in**r - Outer Ring "To Clear" Radius³**1.5 mm
0.059 in**da - Inner Ring Backing Diameter**49.00 mm
1.9300 in**Da - Outer Ring Backing Diameter**81.00 mm
3.1900 in¹ 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 Bearing Weight		12 0.667 kg	TIMKEN® THE TIMKEN COMPANY NORTH CANTON, OHIO USA	7308WN Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)	
				Dynamic Radial Rating	50600 N
				Static Radial Rating	30200 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	