



The Timken Company

4500 Mt Pleasant St. NW

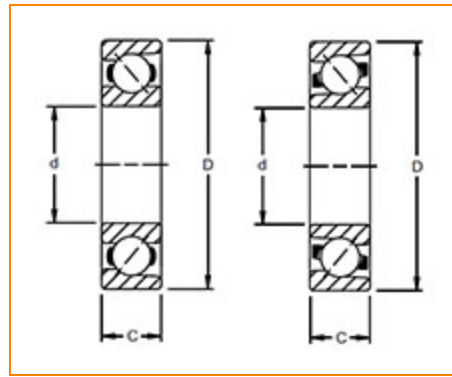
N. Canton, OH 44720

Phone: (234) 262-3000

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

Part Number 7311WN, 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](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

Dimensions

d - Bore	55 mm
D - Outer Diameter	120 mm 4.7244 in
Bearing Width	29 mm 1.1417 in
Contact Angle	40°

Basic Load Ratings

 C₀ - Static Radial Rating	56400 N 12700 lbf
--	----------------------

Ce - Dynamic Radial Rating¹88800 N
20000 lbf**Specifications****Ball Type**

STEEL

Cage Type

Ball Piloted, Pressed Brass Cage

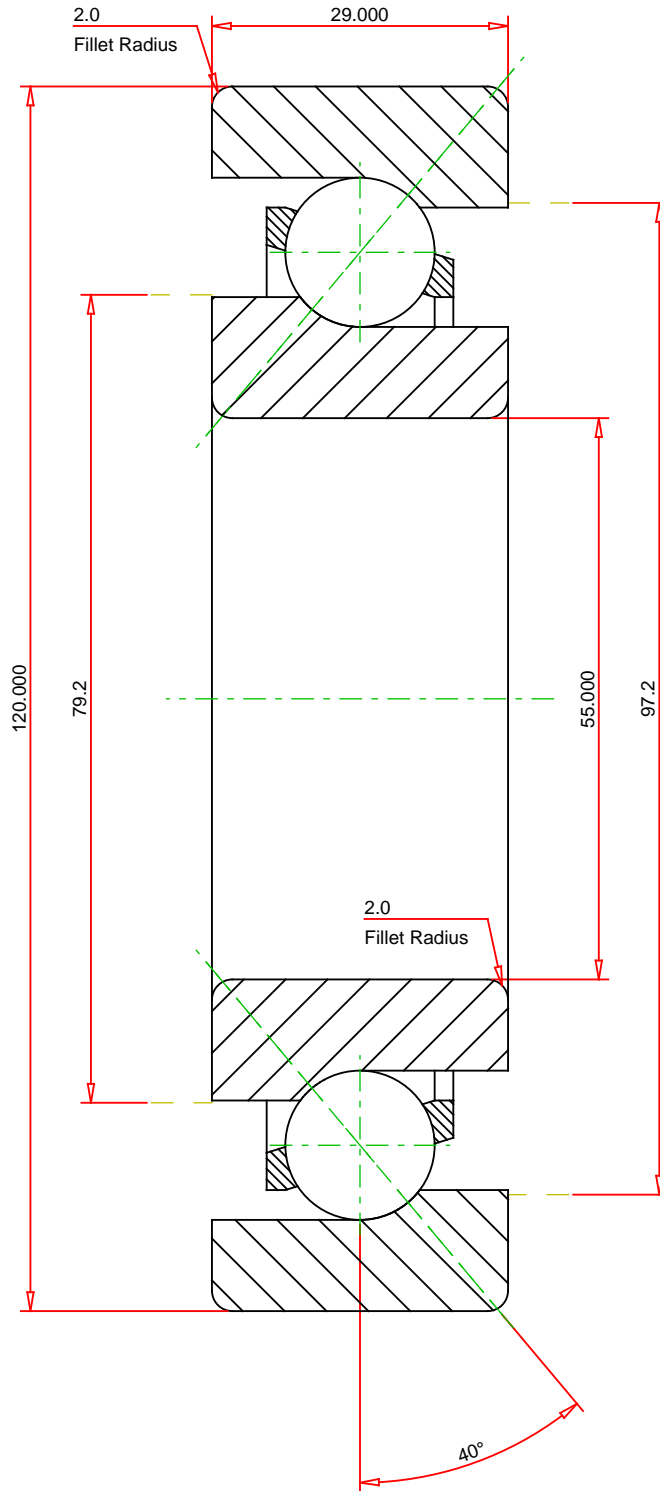
Design Units

Metric

Manufacturing Part Number

7311WNC1

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius²**2 mm
0.079 in**r - Outer Ring "To Clear" Radius³**2 mm
0.079 in**da - Inner Ring Backing Diameter**79.170 mm
3.117 in**Da - Outer Ring Backing
Diameter**97.180 mm
3.826 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	12
Bearing Weight	1.592 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7311WN	
Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)	
Dynamic Radial Rating	88800 N
Static Radial Rating	56400 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