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Timken 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	2.1654 in
D - Outer Diameter	4.7244 in
Bearing Width	1.1417 in
Contact Angle	40 º
do - Ball Diameter	0.81250 in

Basic Load Ratings

C0 - Static Radial Rating	56400 N 12700 lbf

Ce - Dynamic Radial Rating[1]	88800 N 20000 lbf

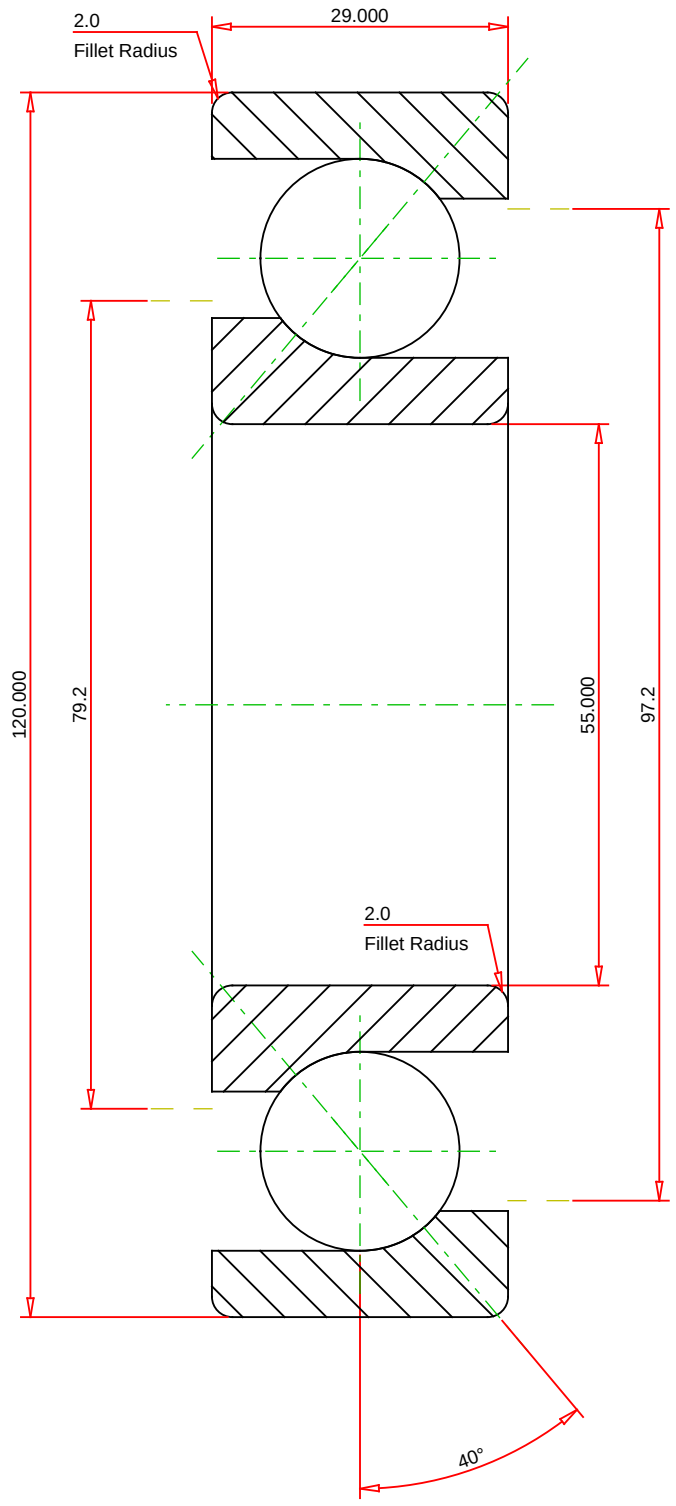
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	3.51 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.079 in
r - Outer Ring "To Clear" Radius[3]	0.079 in
da - Inner Ring Backing Diameter	3.117 in
Da - Outer Ring Backing Diameter	3.826 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	1.592	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7311WN

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(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