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Timken Part Number 7312WN, 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	2.3622 in
D - Outer Diameter	5.1181 in
Bearing Width	1.2205 in
Contact Angle	40 º
do - Ball Diameter	0.87500 in

Basic Load Ratings

C0 - Static Radial Rating	64800 N 14600 lbf

Ce - Dynamic Radial Rating[1]	101000 N 22800 lbf

Factors

Limiting Speed (Grease)	3690 rpm
Limiting Speed (Oil)	4220 rpm

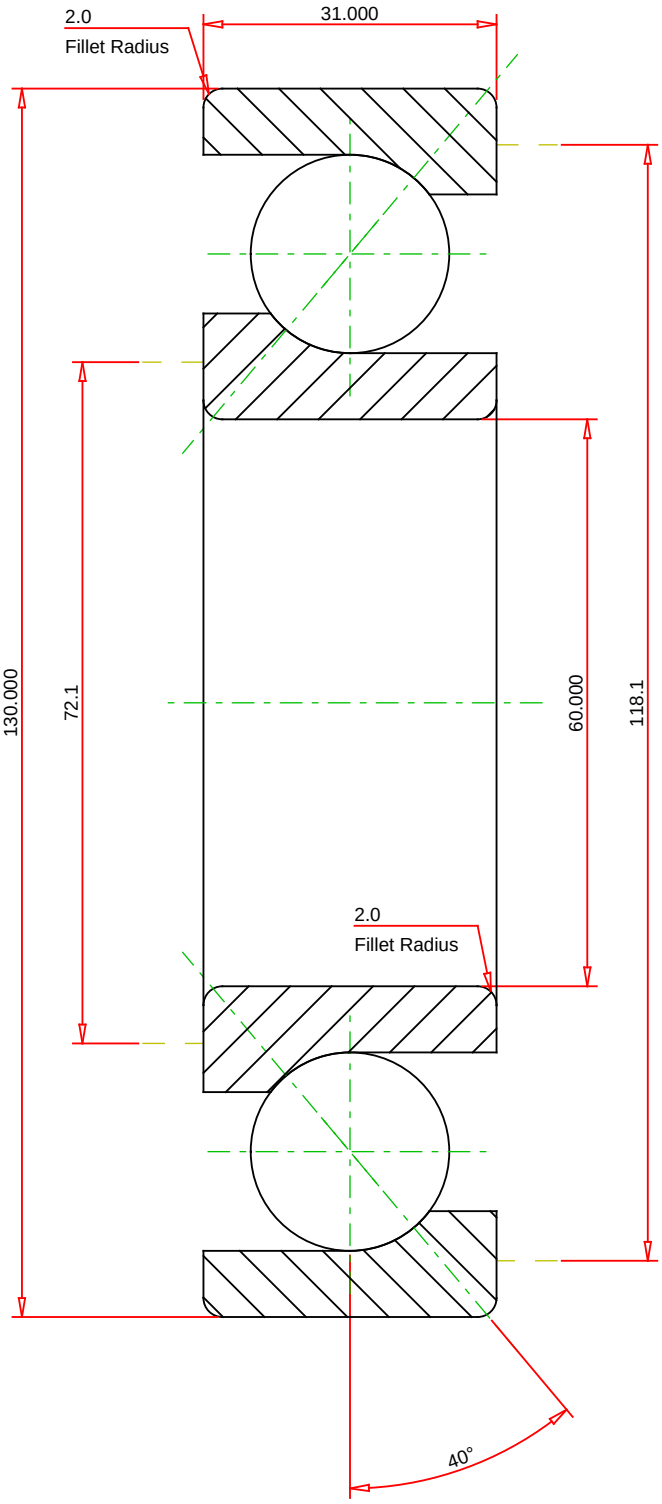
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	4.34 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.083 in
r - Outer Ring "To Clear" Radius[3]	0.083 in
da - Inner Ring Backing Diameter	2.840 in
Da - Outer Ring Backing Diameter	4.650 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	1.969	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7312WN

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

Dynamic Radial Rating	101000	N
Static Radial Rating	64800	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