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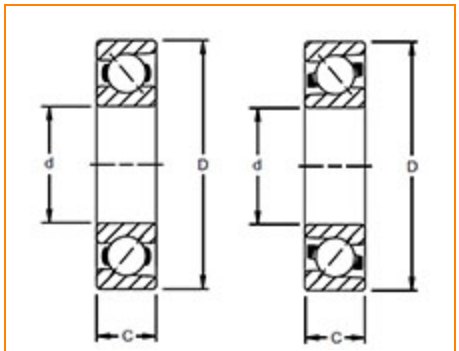
Part Number 7312WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	60.00 mm 2.3622 in
D - Outer Diameter	130.00 mm 5.1181 in
Bearing Width	31.00 mm 1.2205 in
Contact Angle	40 °

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

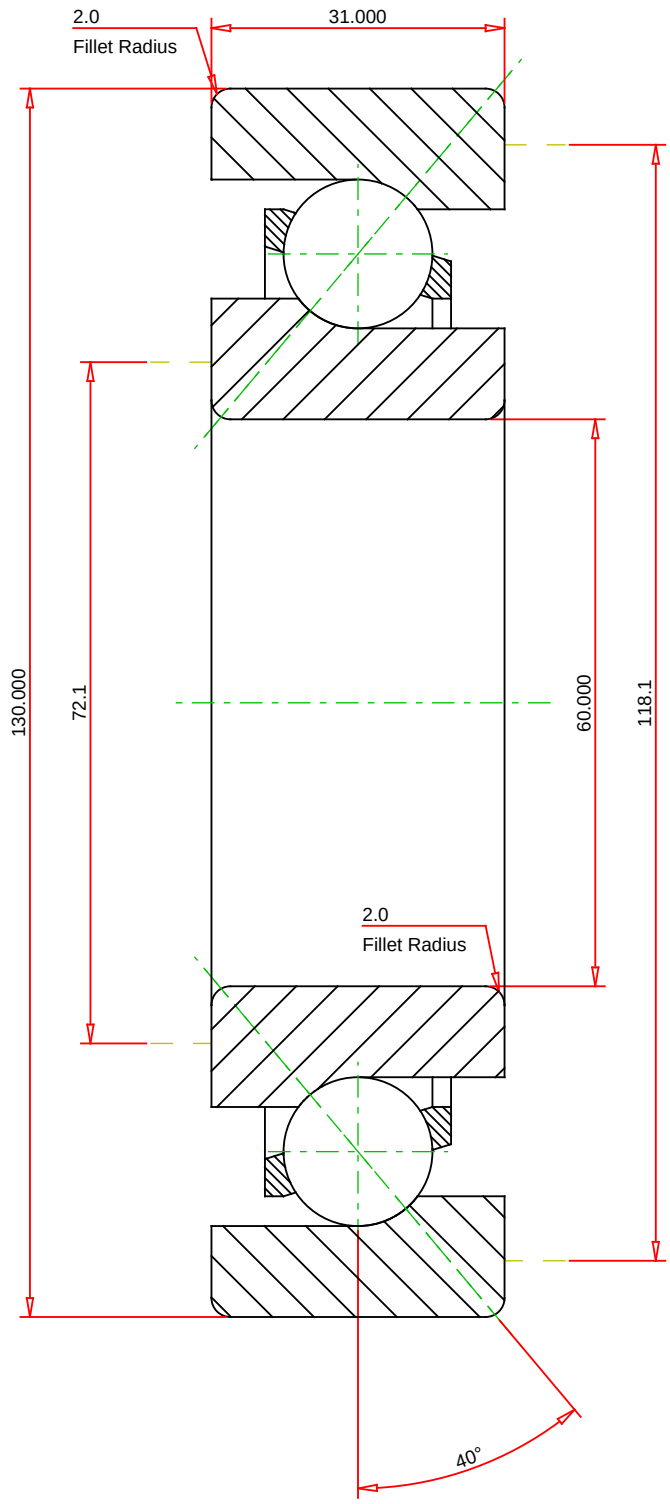
Specifications

Ball Type	STEEL
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	1.969 Kg 4.34 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2 mm 0.083 in
r - Outer Ring "To Clear" Radius[3]	2 mm 0.083 in
da - Inner Ring Backing Diameter	72.10 mm 2.8400 in
Da - Outer Ring Backing Diameter	118.10 mm 4.6500 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

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7312WN

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(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