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Timken Part Number 7310WN, 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	50.000 mm 1.9685 in
D - Outer Diameter	110.000 mm 4.3307 in
Bearing Width	27.000 mm 1.0630 in
Contact Angle	40 °
do - Ball Diameter	19.05000 mm 0.75000 in

Basic Load Ratings

C0 - Static Radial Rating	47900 N 10800 lbf
Ce - Dynamic Radial Rating[1]	76800 N 17300 lbf

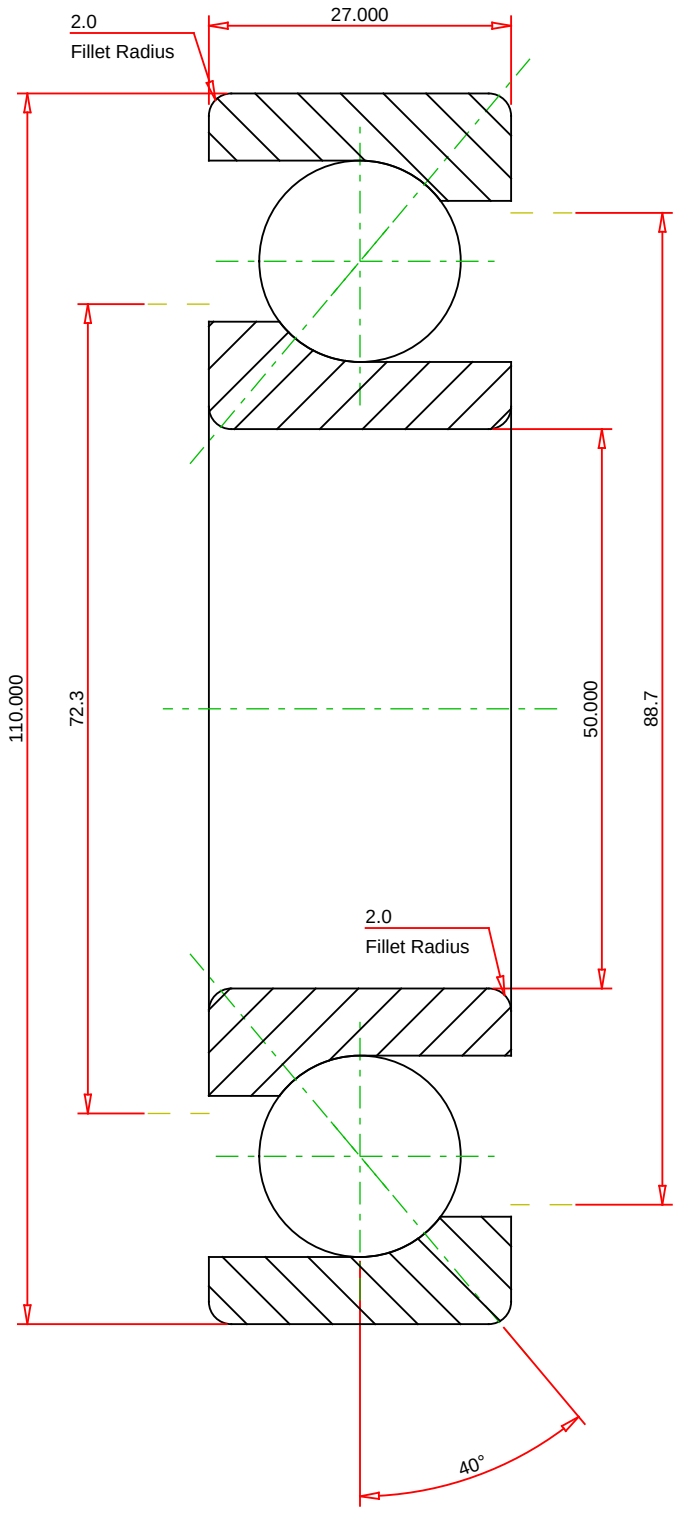
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	1.139 Kg 2.51 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2.000 mm 0.079 in
r - Outer Ring "To Clear" Radius[3]	2.000 mm 0.079 in
da - Inner Ring Backing Diameter	72.340 mm 2.848 in
Da - Outer Ring Backing Diameter	88.650 mm 3.490 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	1.139	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7310WN

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(7200, 7300, 7400)

Dynamic Radial Rating	76800	N
Static Radial Rating	47900	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