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Timken Part Number 7318WN, 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	3.5433 in
D - Outer Diameter	7.4803 in
Bearing Width	1.6929 in
Contact Angle	40 º
do - Ball Diameter	1.25000 in

Basic Load Ratings

C0 - Static Radial Rating	135000 N 30500 lbf

Ce - Dynamic Radial Rating[1]	177000 N 40000 lbf

Factors

Limiting Speed (Grease)	2500 rpm
Limiting Speed (Oil)	2860 rpm

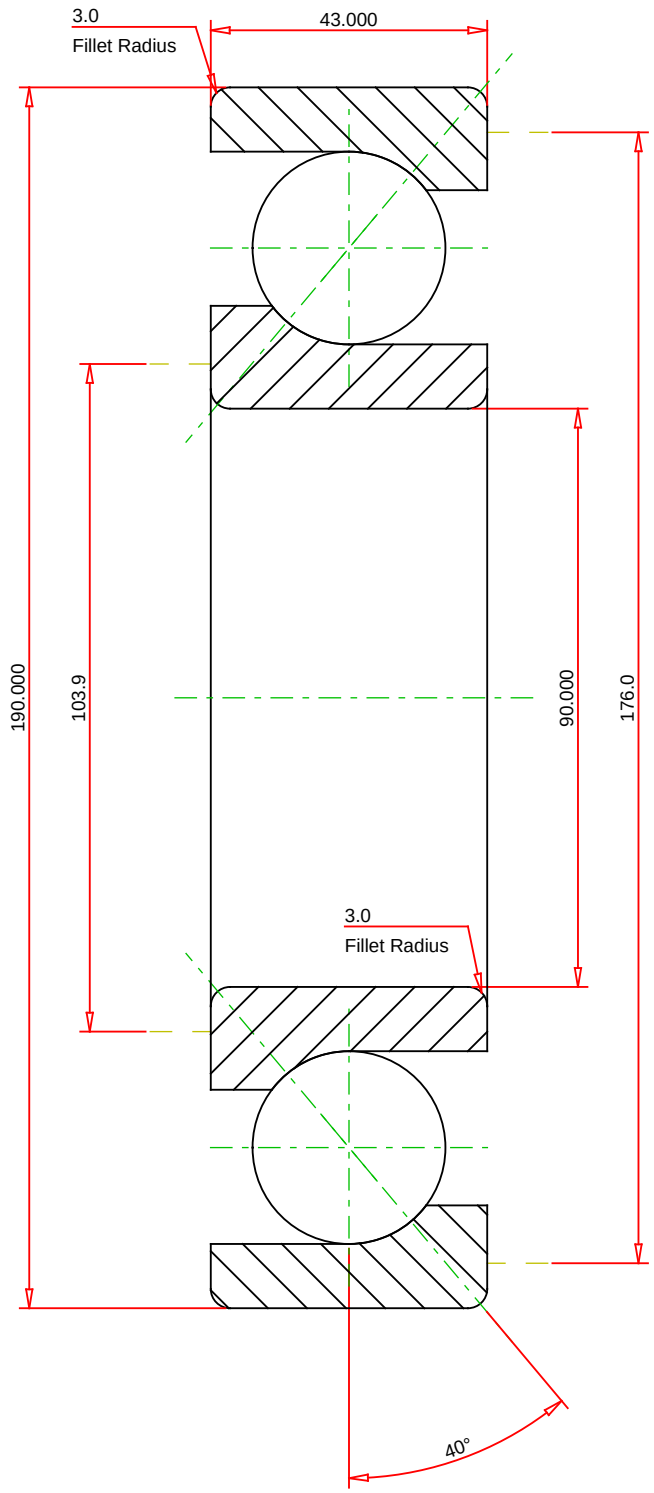
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	13.76 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.118 in
r - Outer Ring "To Clear" Radius[3]	0.118 in
da - Inner Ring Backing Diameter	4.090 in
Da - Outer Ring Backing Diameter	6.930 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	6.247	kg

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7318WN

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

Dynamic Radial Rating	177000	N
Static Radial Rating	135000	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