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Timken Part Number 7306WN, 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	30.000 mm 1.1811 in
D - Outer Diameter	72.000 mm 2.8346 in
Bearing Width	19.000 mm 0.7480 in
Contact Angle	40 °
do - Ball Diameter	11.906250 mm 0.468750 in

Basic Load Ratings

C0 - Static Radial Rating	20800 N 4650 lbf
Ce - Dynamic Radial Rating[1]	34600 N 7800 lbf

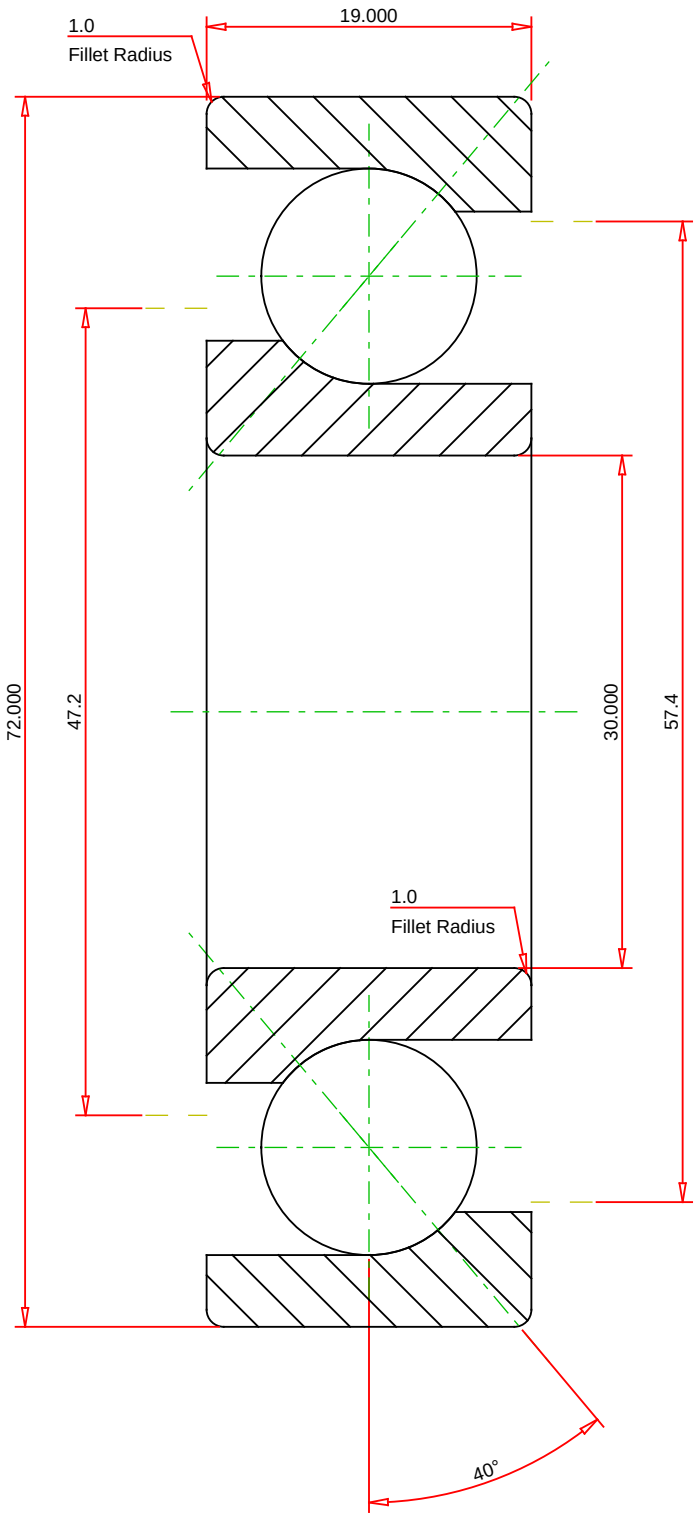
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.363 Kg 0.80 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius[3]	1.000 mm 0.039 in
da - Inner Ring Backing Diameter	47.240 mm 1.860 in
Da - Outer Ring Backing Diameter	57.400 mm 2.2600 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	13	
Bearing Weight	0.363	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7306WN

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

Dynamic Radial Rating	34600	N
Static Radial Rating	20800	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