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Timken Part Number 7314WN, 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	70.000 mm 2.7559 in
D - Outer Diameter	150.000 mm 5.9055 in
Bearing Width	35.000 mm 1.3780 in
Contact Angle	40 º
do - Ball Diameter	25.40000 mm 1.00000 in

Basic Load Ratings

C0 - Static Radial Rating	85700 N 19300 lbf
Ce - Dynamic Radial Rating[1]	128000 N 29000 lbf

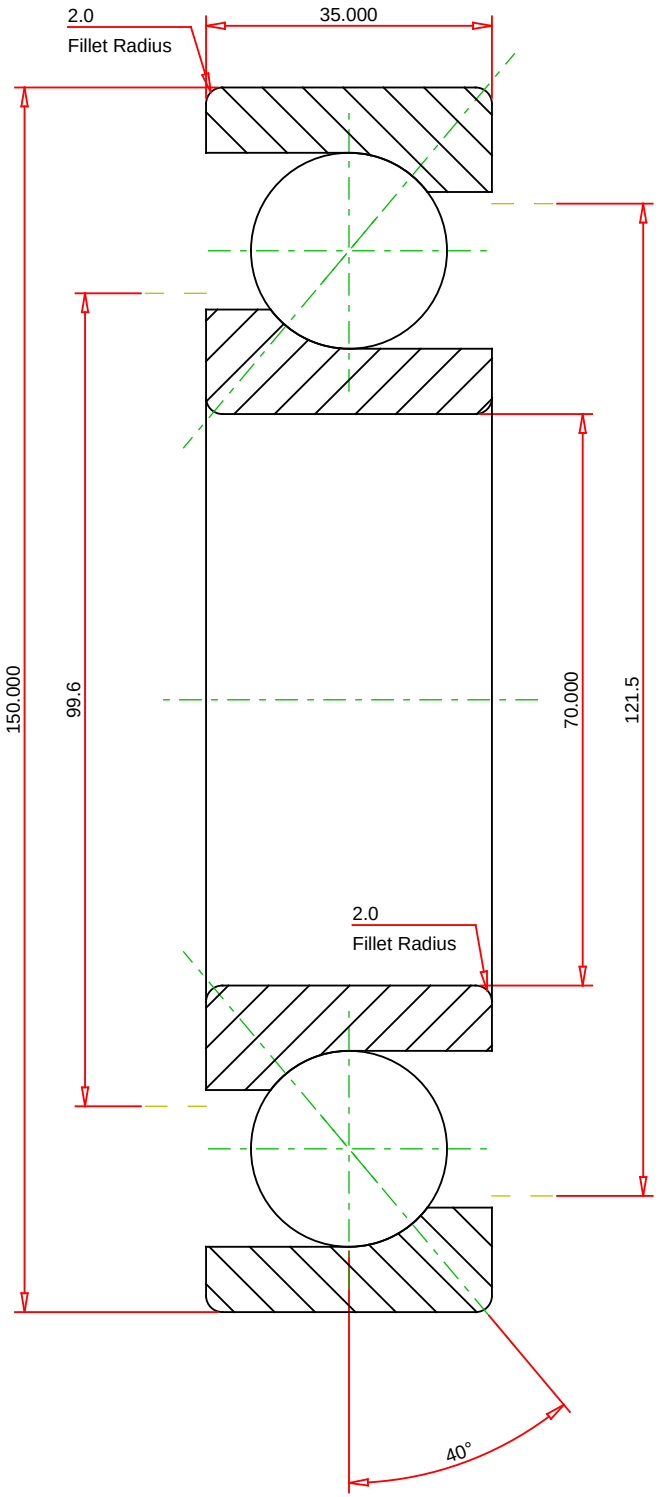
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	2.676 Kg 5.900 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	99.580 mm 3.9205 in
Da - Outer Ring Backing Diameter	121.540 mm 4.785 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	2.676	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7314WN

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

Dynamic Radial Rating	128000	N
Static Radial Rating	85700	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