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Timken Part Number 7308WN, 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	40.000 mm 1.5748 in
D - Outer Diameter	90.000 mm 3.5433 in
Bearing Width	23.000 mm 0.9055 in
Contact Angle	40 °
do - Ball Diameter	15.081250 mm 0.593750 in

Basic Load Ratings

C0 - Static Radial Rating	30200 N 6800 lbf
Ce - Dynamic Radial Rating[1]	50600 N 11400 lbf

Factors

Limiting Speed (Grease)	5400 rpm
Limiting Speed (Oil)	6170 rpm

Specifications

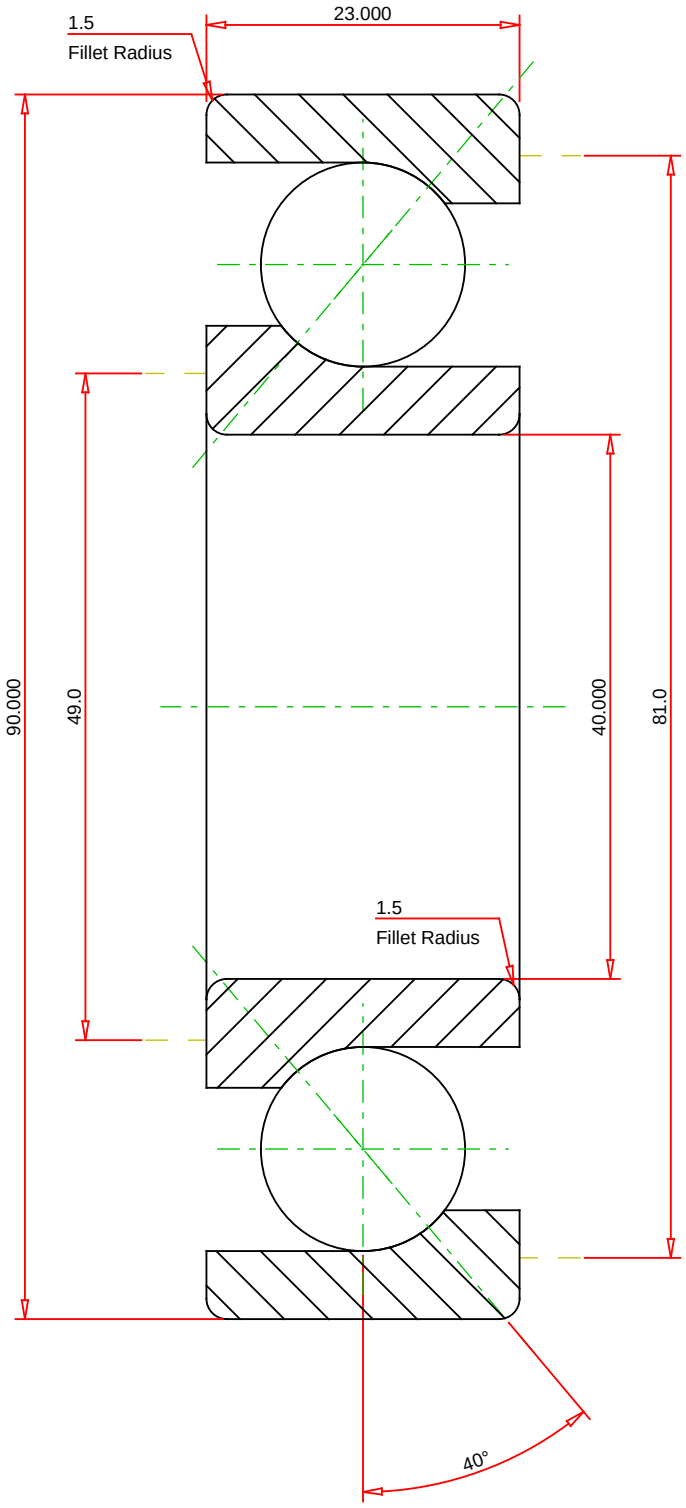
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.667 Kg 1.47 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.500 mm 0.059 in
r - Outer Ring "To Clear" Radius[3]	1.500 mm 0.059 in
da - Inner Ring Backing Diameter	49.000 mm 1.930 in
Da - Outer Ring Backing Diameter	81.000 mm 3.190 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	0.667	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7308WN

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

Dynamic Radial Rating	50600	N
Static Radial Rating	30200	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