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Timken Part Number 7208WN, 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	80.000 mm 3.1496 in
Bearing Width	18.000 mm 0.7087 in
Contact Angle	40 °
do - Ball Diameter	11.906250 mm 0.468750 in

Basic Load Ratings

C0 - Static Radial Rating	23000 N 5200 lbf
Ce - Dynamic Radial Rating[1]	36000 N 8150 lbf

Factors

Limiting Speed (Grease)	5010 rpm
Limiting Speed (Oil)	6680 rpm

Specifications

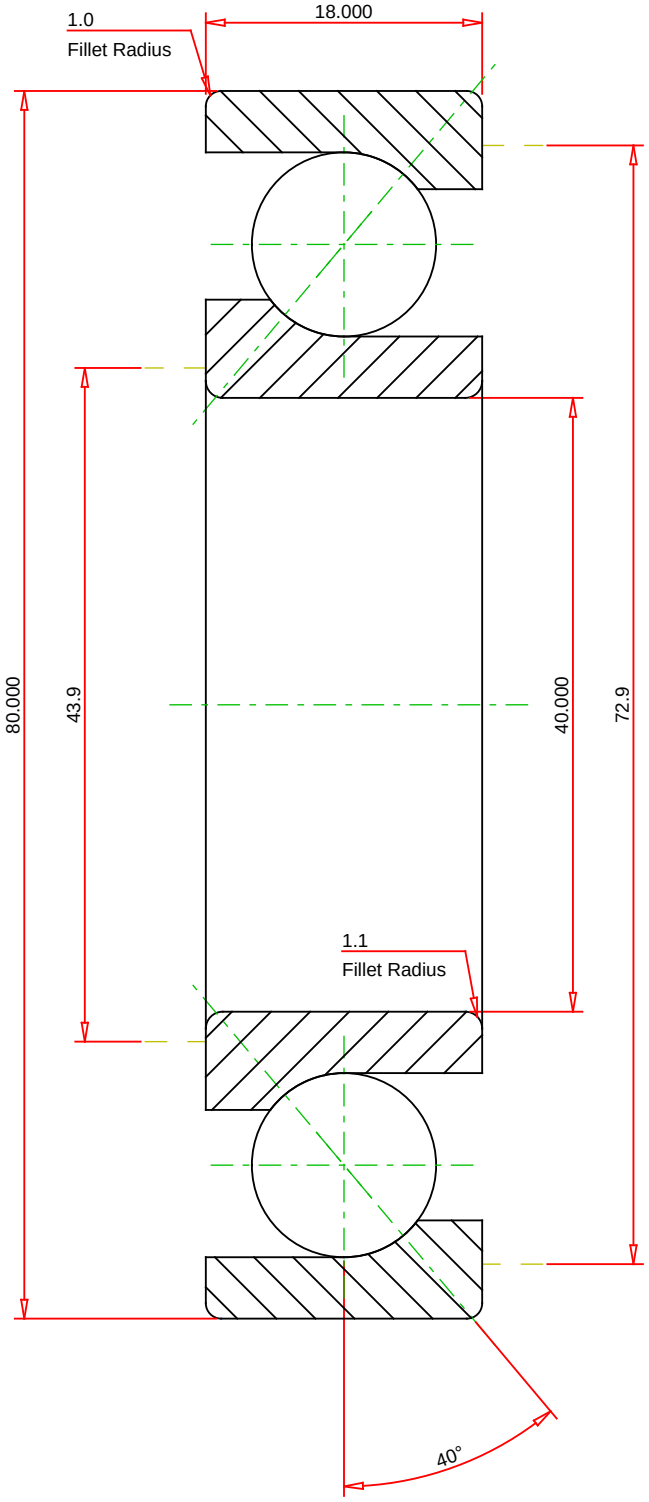
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.331 Kg 0.73 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.100 mm 0.043 in
r - Outer Ring "To Clear" Radius[3]	1.000 mm 0.043 in
da - Inner Ring Backing Diameter	43.900 mm 1.730 in
Da - Outer Ring Backing Diameter	72.900 mm 2.870 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	14	
Bearing Weight	0.331	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7208WN

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

Dynamic Radial Rating	36000	N
Static Radial Rating	23000	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