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Timken Part Number 7218WN, 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	90.000 mm 3.5433 in
D - Outer Diameter	160.000 mm 6.2992 in
Bearing Width	30.000 mm 1.1811 in
Contact Angle	40 °
do - Ball Diameter	22.22500 mm 0.87500 in

Basic Load Ratings

C0 - Static Radial Rating	88000 N 21200 lbf
Ce - Dynamic Radial Rating[1]	119000 N 27000 lbf

Factors

Limiting Speed (Grease)	2400 rpm
Limiting Speed (Oil)	3200 rpm

Specifications

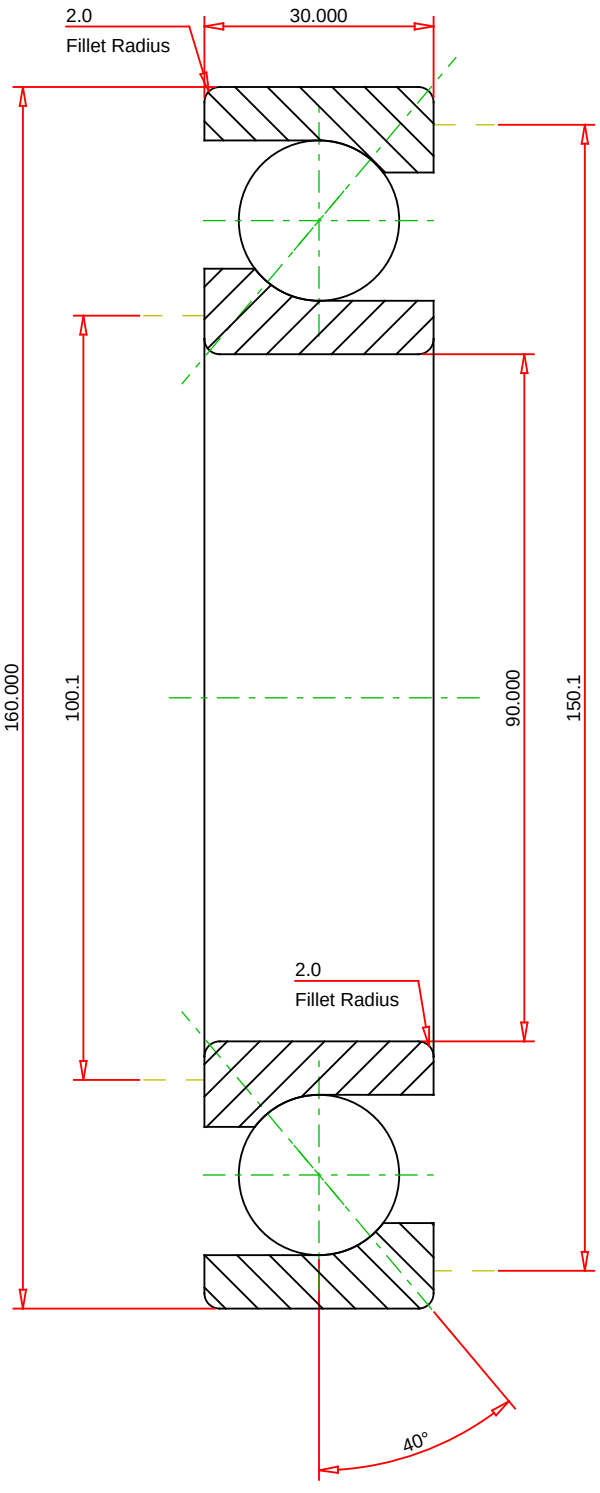
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	2.567 Kg 5.66 lb
Design Units	METRIC

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	100.100 mm 3.940 in
Da - Outer Ring Backing Diameter	150.100 mm 5.910 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	16	
Bearing Weight	2.567	kg

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7218WN

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

Dynamic Radial Rating	119000	N
Static Radial Rating	88000	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