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Timken Part Number 7220WN MBR, 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	100.000 mm 3.9370 in
D - Outer Diameter	180.000 mm 7.0866 in
Bearing Width	34.000 mm 1.3390 in
Contact Angle	40 °
do - Ball Diameter	25.40000 mm 1.00000 in

Basic Load Ratings

C0 - Static Radial Rating	106000 N 25500 lbf
Ce - Dynamic Radial Rating[1]	146000 N 33500 lbf

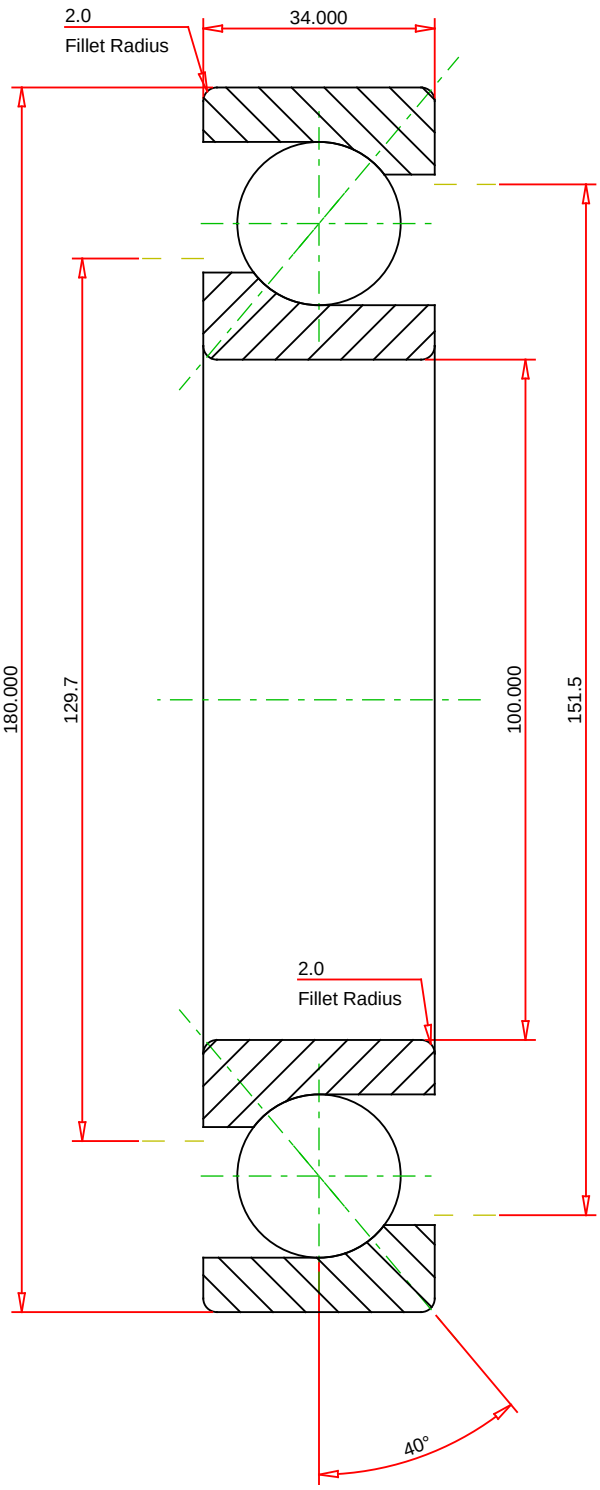
Specifications

Ball Type	Steel
Cage Type	Outer Ring Piloted, Machined Bronze Cage
Bearing Weight	3.460 Kg 7.62 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	129.720 mm 5.107 in
Da - Outer Ring Backing Diameter	151.510 mm 5.965 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	15	
Bearing Weight	3.460	kg

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7220WN MBR

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

Dynamic Radial Rating	146000	N
Static Radial Rating	106000	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