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Timken Part Number 7219WN 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	95.000 mm 3.7402 in
D - Outer Diameter	170.000 mm 6.6929 in
Bearing Width	32.000 mm 1.2600 in
Contact Angle	40 °
do - Ball Diameter	23.81250 mm 0.93750 in

Basic Load Ratings

C0 - Static Radial Rating	93000 N 22800 lbf
Ce - Dynamic Radial Rating[1]	133000 N 30000 lbf

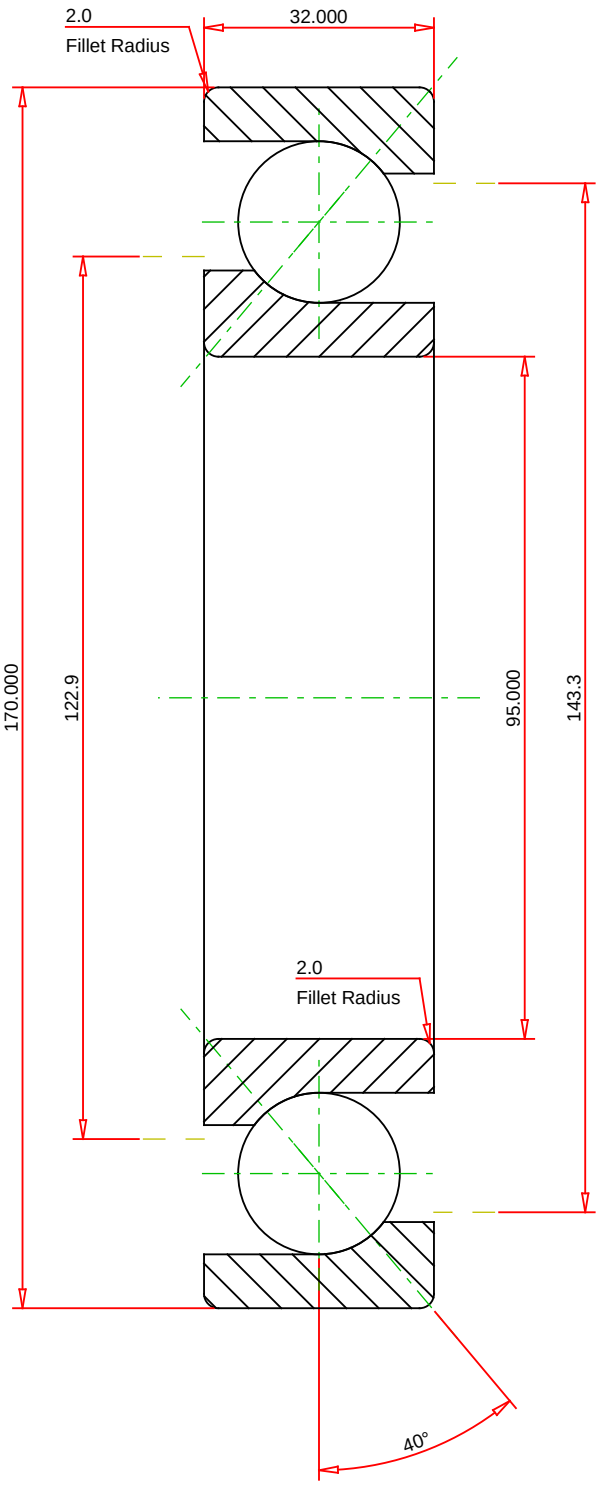
Specifications

Ball Type	Steel
Cage Type	Outer Ring Piloted, Machined Bronze Cage
Bearing Weight	3.025 Kg 6.67 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	122.890 mm 4.838 in
Da - Outer Ring Backing Diameter	143.280 mm 5.641 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	3.025	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7219WN MBR

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

Dynamic Radial Rating	133000	N
Static Radial Rating	93000	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