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Timken Part Number 7319WN 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	200.000 mm 7.8740 in
Bearing Width	45.000 mm 1.7717 in
Contact Angle	40 °
do - Ball Diameter	34.92500 mm 1.37500 in

Basic Load Ratings

C0 - Static Radial Rating	148000 N 33500 lbf
Ce - Dynamic Radial Rating[1]	191000 N 43000 lbf

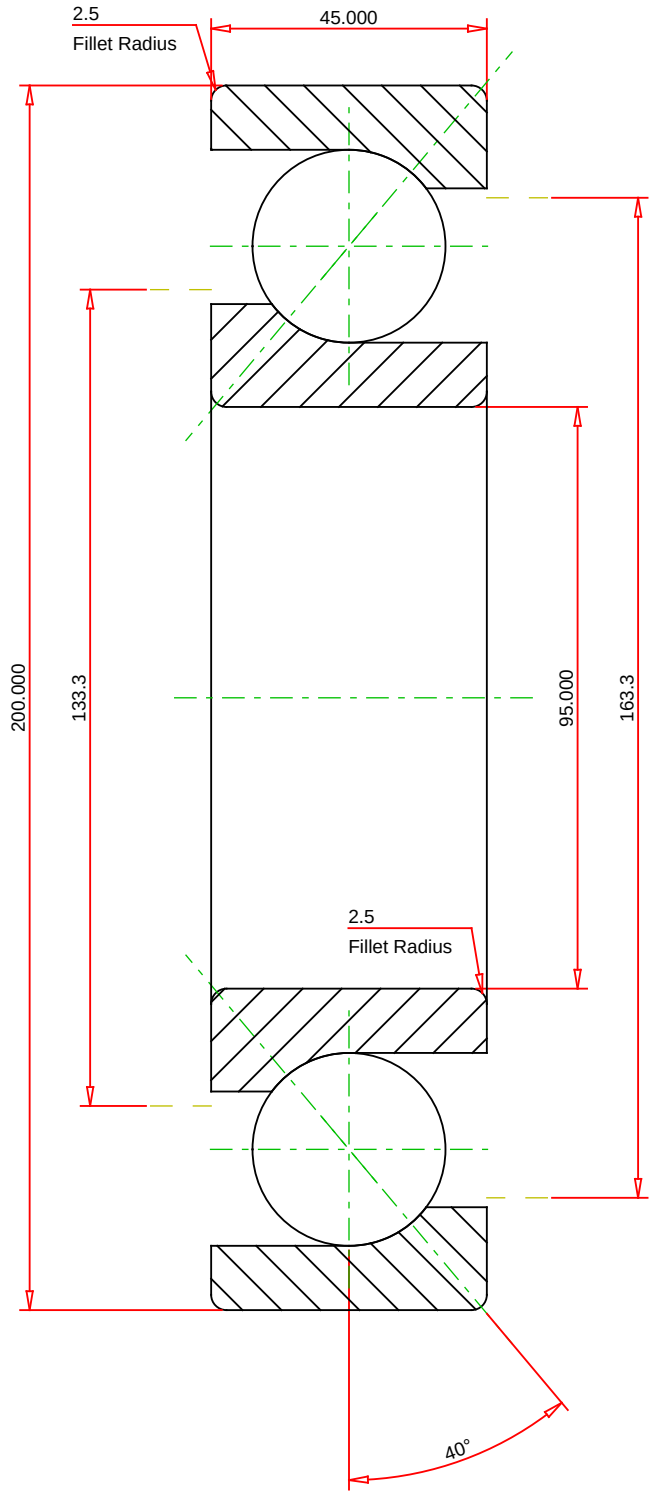
Specifications

Ball Type	Steel
Cage Type	Outer Ring Piloted, Machined Bronze Cage
Bearing Weight	6.706 Kg 14.77 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2.500 mm 0.098 in
r - Outer Ring "To Clear" Radius[3]	2.500 mm 0.098 in
da - Inner Ring Backing Diameter	133.320 mm 5.249 in
Da - Outer Ring Backing Diameter	163.320 mm 6.430 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	11	
Bearing Weight	6.706	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7319WN MBR

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

Dynamic Radial Rating	191000	N
Static Radial Rating	148000	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