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Timken Part Number 7222WN 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	110.000 mm 4.3307 in
D - Outer Diameter	200.000 mm 7.8740 in
Bearing Width	38.000 mm 1.4960 in
Contact Angle	40 °
do - Ball Diameter	28.57500 mm 1.12500 in

Basic Load Ratings

C0 - Static Radial Rating	134000 N 32500 lbf
Ce - Dynamic Radial Rating[1]	173000 N 39000 lbf

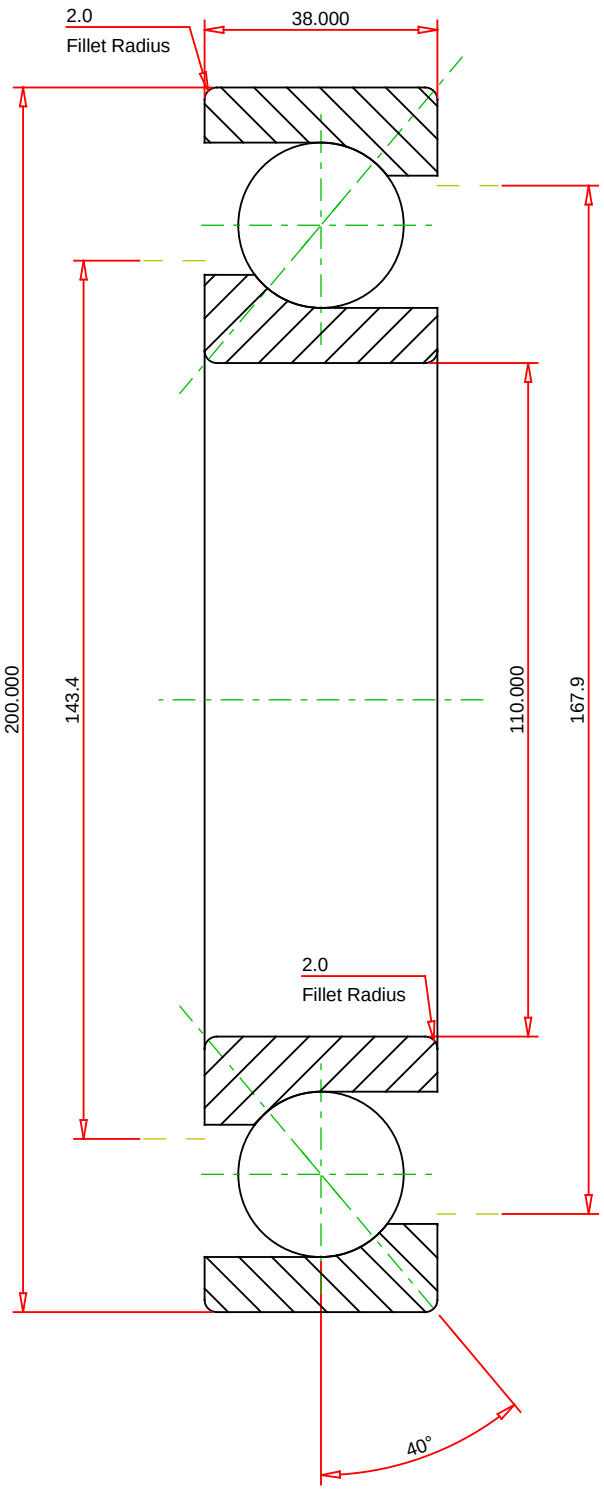
Specifications

Ball Type	Steel
Cage Type	Outer Ring Piloted, Machined Bronze Cage
Bearing Weight	5.162 Kg 11.38 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	143.430 mm 5.647 in
Da - Outer Ring Backing Diameter	167.940 mm 6.612 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	5.162	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7222WN MBR

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

Dynamic Radial Rating	173000	N
Static Radial Rating	134000	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