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Timken Part Number 7228WN 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	140.000 mm 5.5118 in
D - Outer Diameter	250.000 mm 9.8425 in
Bearing Width	42.000 mm 1.6540 in
Contact Angle	40 °
do - Ball Diameter	33.33750 mm 1.31250 in

Basic Load Ratings

C0 - Static Radial Rating	200000 N 47500 lbf
Ce - Dynamic Radial Rating[1]	224000 N 50000 lbf

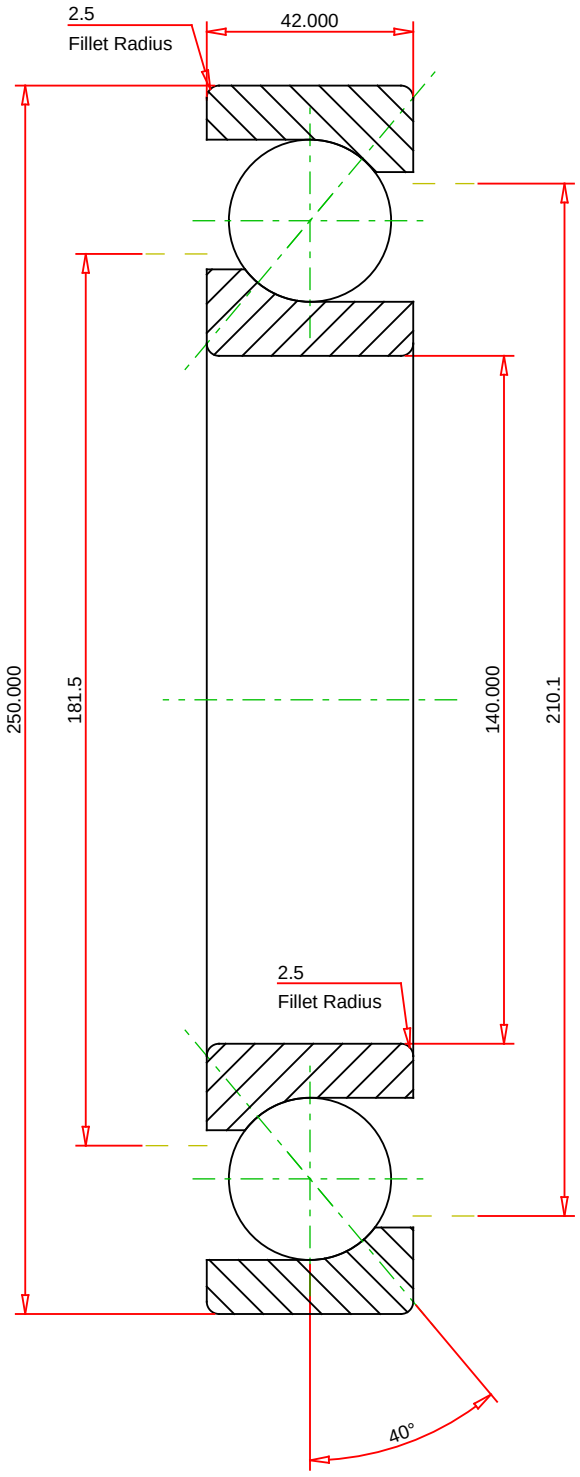
Specifications

Ball Type	Steel
Cage Type	Outer Ring Piloted, Machined Bronze Cage
Bearing Weight	9.634 Kg 21.24 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	181.480 mm 7.145 in
Da - Outer Ring Backing Diameter	210.110 mm 8.272 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	9.634	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7228WN MBR

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

Dynamic Radial Rating	224000	N
Static Radial Rating	200000	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