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Timken Part Number 7412WN 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	60.000 mm 2.3622 in
D - Outer Diameter	150.000 mm 5.9055 in
Bearing Width	35.000 mm 1.3780 in
Contact Angle	40 º
do - Ball Diameter	28.57500 mm 1.12500 in

Basic Load Ratings

C0 - Static Radial Rating	85700 N 19300 lbf
Ce - Dynamic Radial Rating[1]	135000 N 30500 lbf

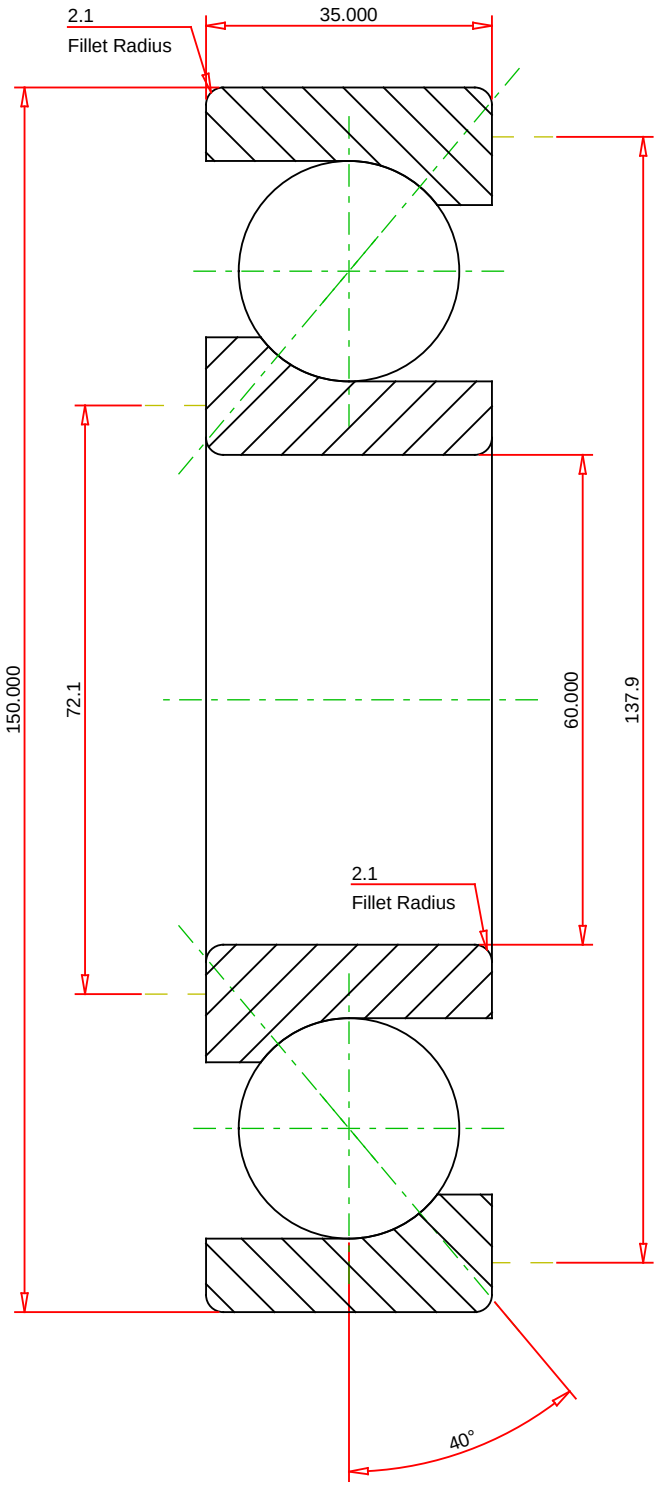
Specifications

Ball Type	Steel
Cage Type	One-Piece, High-Strength Machined Bronze Cage
Bearing Weight	3.257 Kg 7.18 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2.100 mm 0.083 in
r - Outer Ring "To Clear" Radius[3]	2.100 mm 0.083 in
da - Inner Ring Backing Diameter	72.100 mm 2.840 in
Da - Outer Ring Backing Diameter	137.900 mm 5.430 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	10	
Bearing Weight	3.257	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7412WN MBR

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

Dynamic Radial Rating	135000	N
Static Radial Rating	85700	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