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Timken Part Number 7212WN, 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 | Factors | Specifications | Abutment and Fillet Dimensions

Dimensions

d - Bore	60.000 mm 2.3622 in
D - Outer Diameter	110.000 mm 4.3307 in
Bearing Width	22.000 mm 0.8661 in
Contact Angle	40 °
do - Ball Diameter	15.87500 mm 0.62500 in

Basic Load Ratings

C0 - Static Radial Rating	44400 N 10000 lbf
Ce - Dynamic Radial Rating[1]	63000 N 14300 lbf

Factors

Limiting Speed (Grease)	3540 rpm
Limiting Speed (Oil)	4720 rpm

Specifications

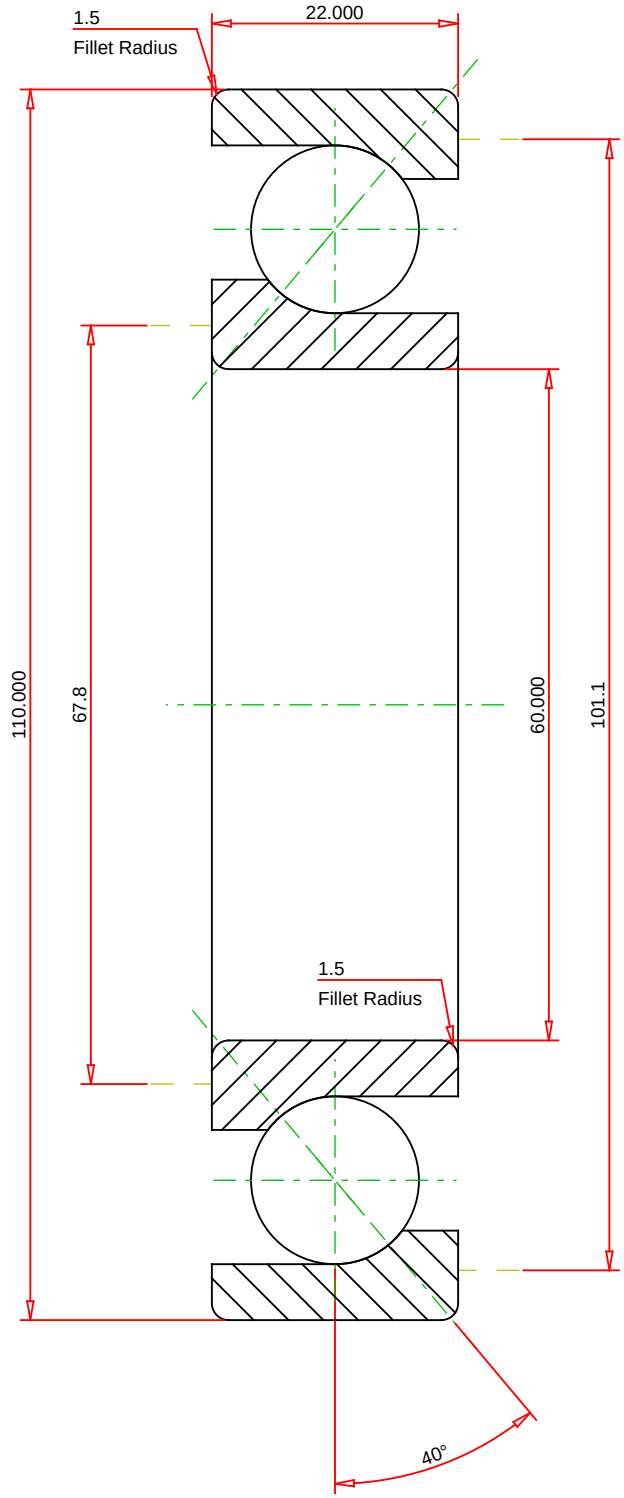
Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.835 Kg 1.84 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.500 mm 0.059 in
r - Outer Ring "To Clear" Radius[3]	1.500 mm 0.059 in
da - Inner Ring Backing Diameter	67.800 mm 2.670 in
Da - Outer Ring Backing Diameter	101.100 mm 3.980 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	0.835	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7212WN

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

Dynamic Radial Rating	63000	N
Static Radial Rating	44400	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