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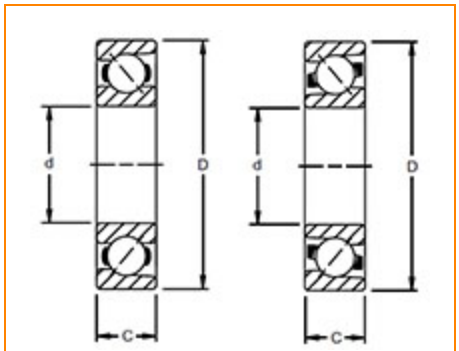
Part Number 7307WN MBR SU, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	35.00 mm 1.378 in
D - Outer Diameter	80.00 mm 3.1496 in
Bearing Width	21.00 mm 0.8268 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	23900 N 5400 lbf

Ce - Dynamic Radial Rating[1]	41300 N 9300 lbf

Factors

Limiting Speed (Grease)	6090 rpm
Limiting Speed (Oil)	6960 rpm

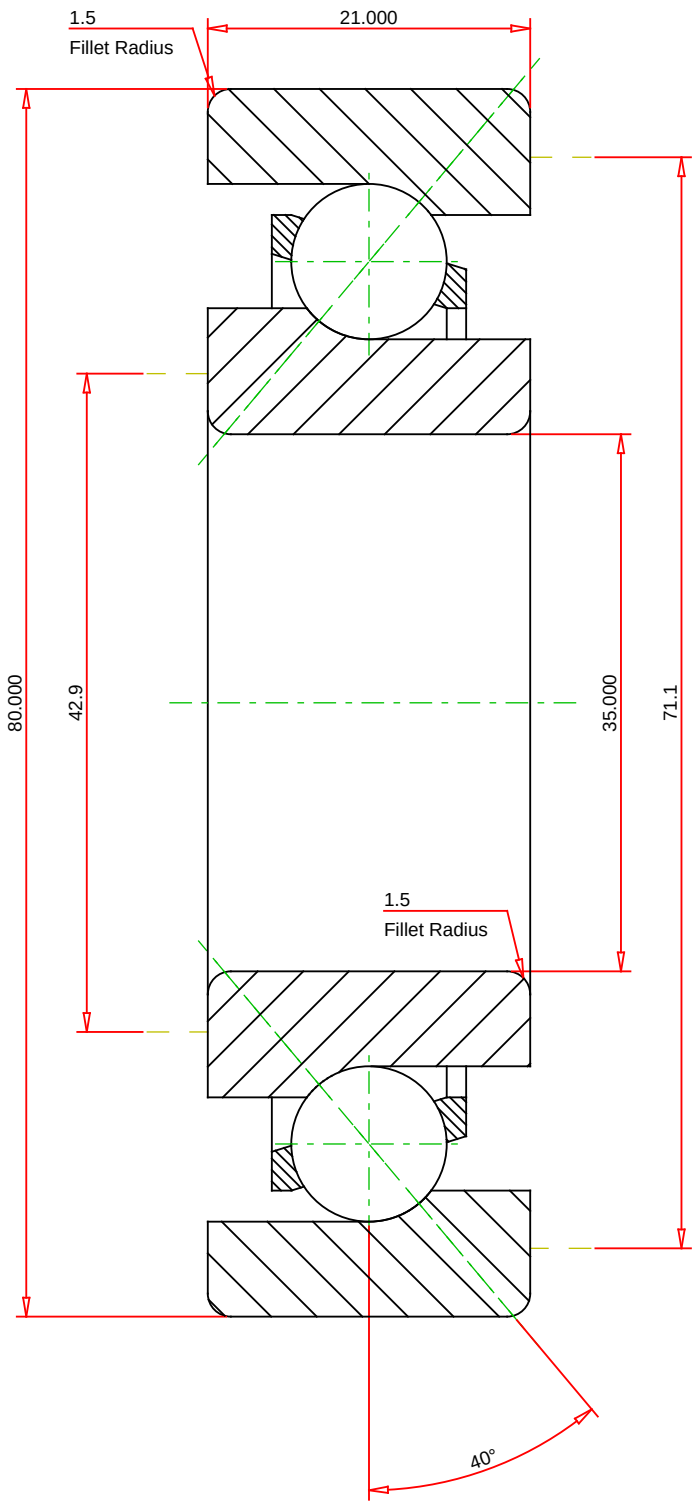
Specifications

Ball Type	STEEL
Cage Type	Machined Bronze Cage
Bearing Weight	0.408 Kg 0.9 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.50 mm 0.059 in
r - Outer Ring "To Clear" Radius[3]	1.50 mm 0.059 in
da - Inner Ring Backing Diameter	42.90 mm 1.6900 in
Da - Outer Ring Backing Diameter	71.10 mm 2.8000 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	12	
Bearing Weight	0.408	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7307WN MBR SU

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(7200, 7300, 7400)

Dynamic Radial Rating	41300	N
Static Radial Rating	23900	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