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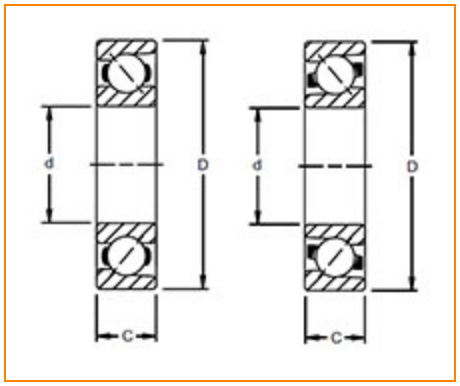
Part Number 7215WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	75.00 mm 2.9528 in
D - Outer Diameter	130.00 mm 5.1181 in
Bearing Width	25.00 mm 0.9843 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	58000 N 13200 lbf

Ce - Dynamic Radial Rating[1]	78000 N 17600 lbf

Factors

Limiting Speed (Grease)	2930 rpm
Limiting Speed (Oil)	3900 rpm

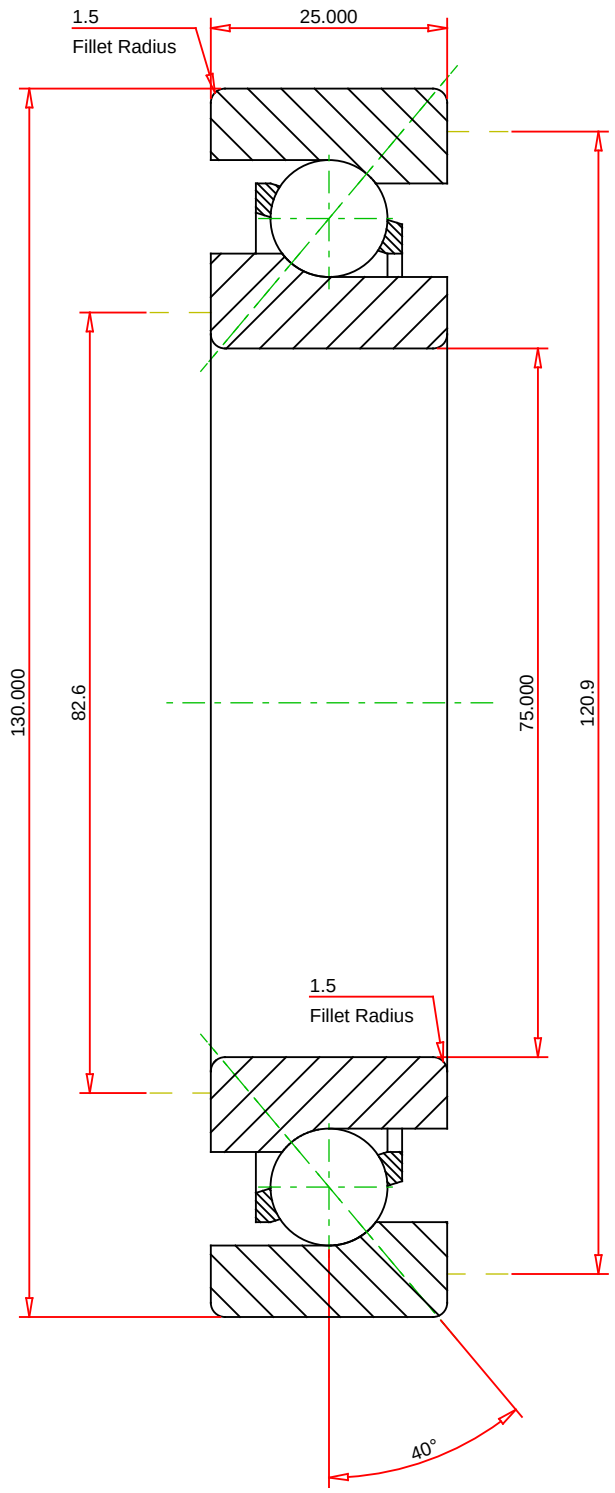
Specifications

Ball Type	STEEL
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	1.271 Kg 2.8 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	82.60 mm 3.250 in
Da - Outer Ring Backing Diameter	120.90 mm 4.7600 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	1.271	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7215WN

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(7200, 7300, 7400)

Dynamic Radial Rating	78000	N
Static Radial Rating	58000	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