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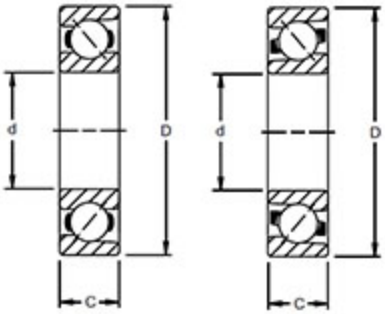
Part Number 7214WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	70.00 mm 2.7559 in
D - Outer Diameter	125.00 mm 4.9213 in
Bearing Width	24.00 mm 0.9449 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	57300 N 12900 lbf

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

Factors

Limiting Speed (Grease)	3080 rpm
Limiting Speed (Oil)	4100 rpm

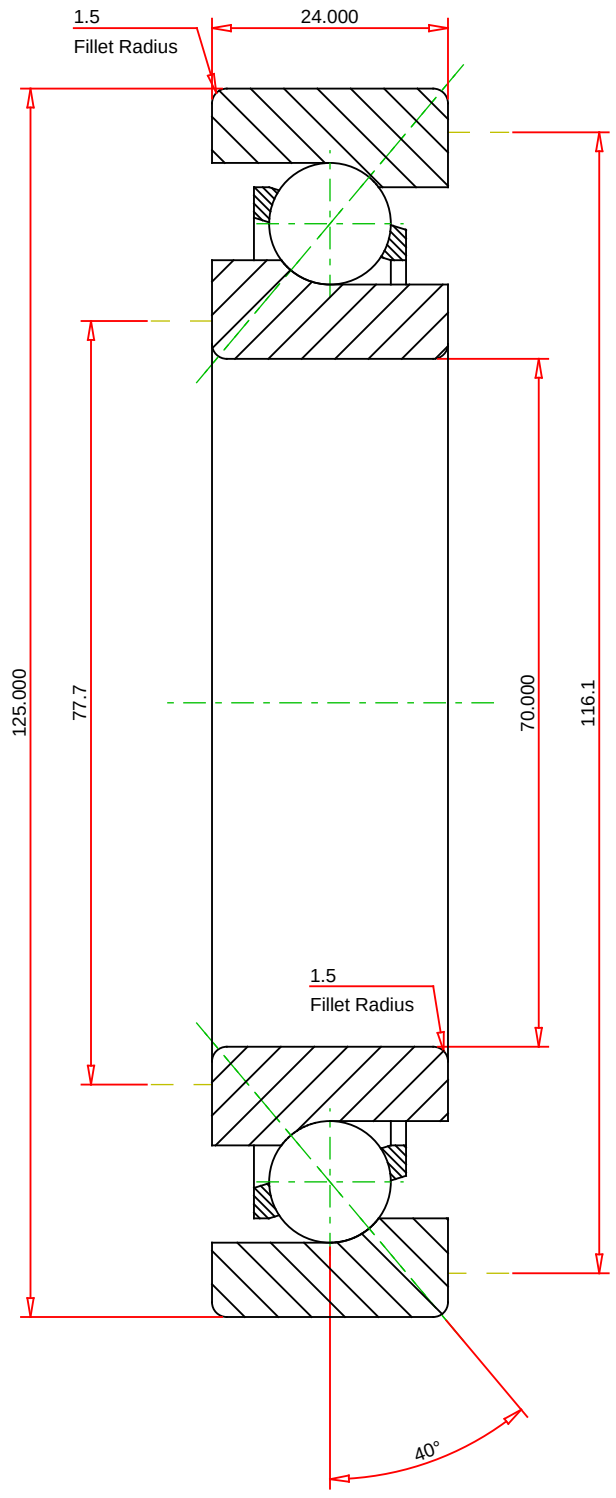
Specifications

Ball Type	STEEL
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	1.171 Kg 2.58 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	77.70 mm 3.0600 in
Da - Outer Ring Backing Diameter	116.10 mm 4.5700 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	1.171	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7214WN

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(7200, 7300, 7400)

Dynamic Radial Rating	78000	N
Static Radial Rating	57300	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