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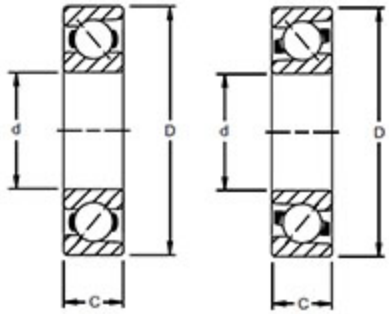
Part Number 7217WN, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	85.00 mm 3.3465 in
D - Outer Diameter	150.00 mm 5.9055 in
Bearing Width	28.00 mm 1.1024 in
Contact Angle	40 °

Basic Load Ratings

C0 - Static Radial Rating	76500 N 18300 lbf

Ce - Dynamic Radial Rating[1]	106000 N 23600 lbf

Factors

Limiting Speed (Grease)	2550 rpm
Limiting Speed (Oil)	3400 rpm

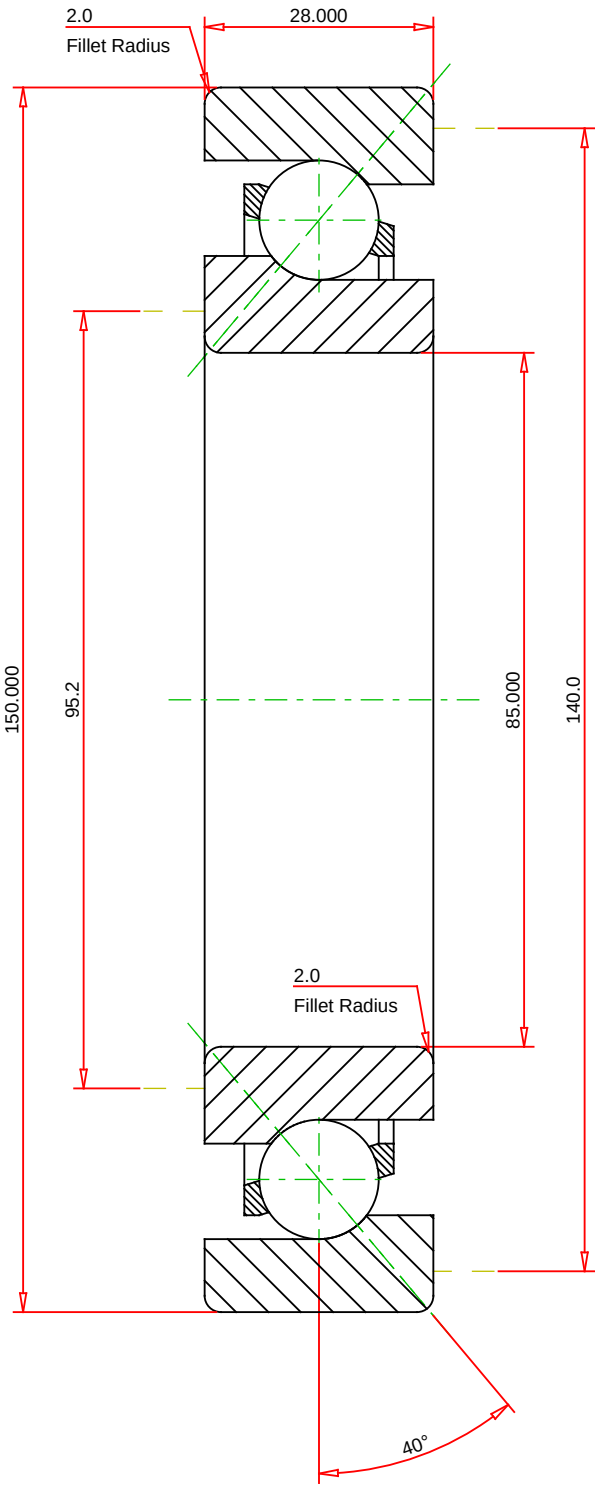
Specifications

Ball Type	STEEL
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	2.096 Kg 4.62 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2 mm 0.079 in
r - Outer Ring "To Clear" Radius[3]	2 mm 0.079 in
da - Inner Ring Backing Diameter	95.20 mm 3.750 in
Da - Outer Ring Backing Diameter	140.0 mm 5.510 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	2.096	kg

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7217WN

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(7200, 7300, 7400)

Dynamic Radial Rating	106000	N
Static Radial Rating	76500	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