


The Timken Company

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Timken Part Number 7315WN, 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](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

Dimensions

d - Bore	75.000 mm 2.9528 in
D - Outer Diameter	160.000 mm 6.2992 in
Bearing Width	37.000 mm 1.4567 in
Contact Angle	40 °
do - Ball Diameter	26.98750 mm 1.06250 in

Basic Load Ratings

C0 - Static Radial Rating	98000 N 22000 lbf
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Ce - Dynamic Radial Rating¹	142000 N 32000 lbf
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Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	3.452 Kg 7.61 lb
Design Units	METRIC

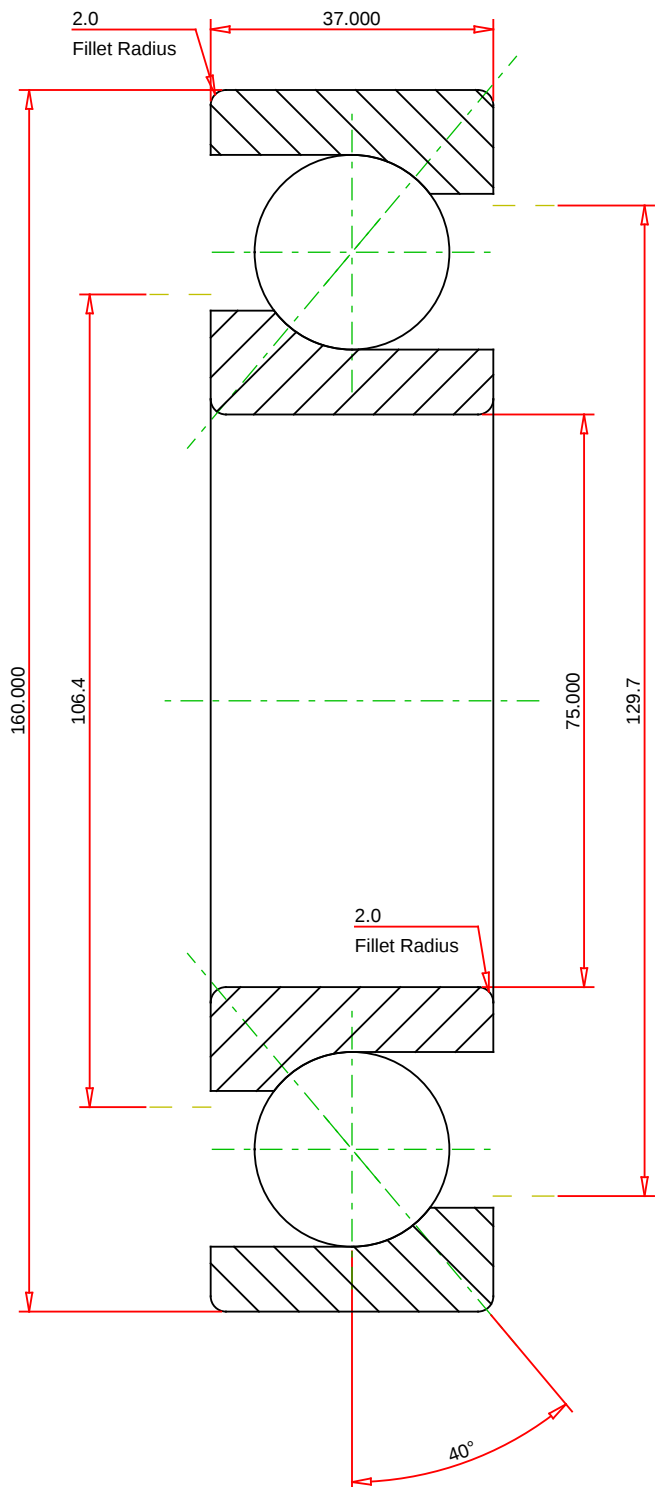
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	2.000 mm 0.079 in
r - Outer Ring "To Clear" Radius³	2.000 mm 0.079 in
da - Inner Ring Backing Diameter	106.440 mm 4.1905 in
Da - Outer Ring Backing Diameter	129.740 mm 5.108 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 Bearing Weight		12 3.452 kg	TIMKEN® THE TIMKEN COMPANY NORTH CANTON, OHIO USA	7315WN Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)
				Dynamic Radial Rating Static Radial Rating 142000 N 98000 N
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