


The Timken Company

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Timken 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	75.000 mm 2.9528 in
D - Outer Diameter	130.000 mm 5.1181 in
Bearing Width	25.000 mm 0.9843 in
Contact Angle	40 °
do - Ball Diameter	17.462500 mm 0.687500 in

Basic Load Ratings

C0 - Static Radial Rating	58000 N 13200 lbf
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Ce - Dynamic Radial Rating¹	78000 N 17600 lbf
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Factors

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

Ball Type	Steel
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Cage Type	Ball Piloted, Pressed Brass Cage
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Bearing Weight	1.271 Kg 2.80 lb
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Design Units	METRIC
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.500 mm 0.059 in
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r - Outer Ring "To Clear" Radius³	1.500 mm 0.059 in
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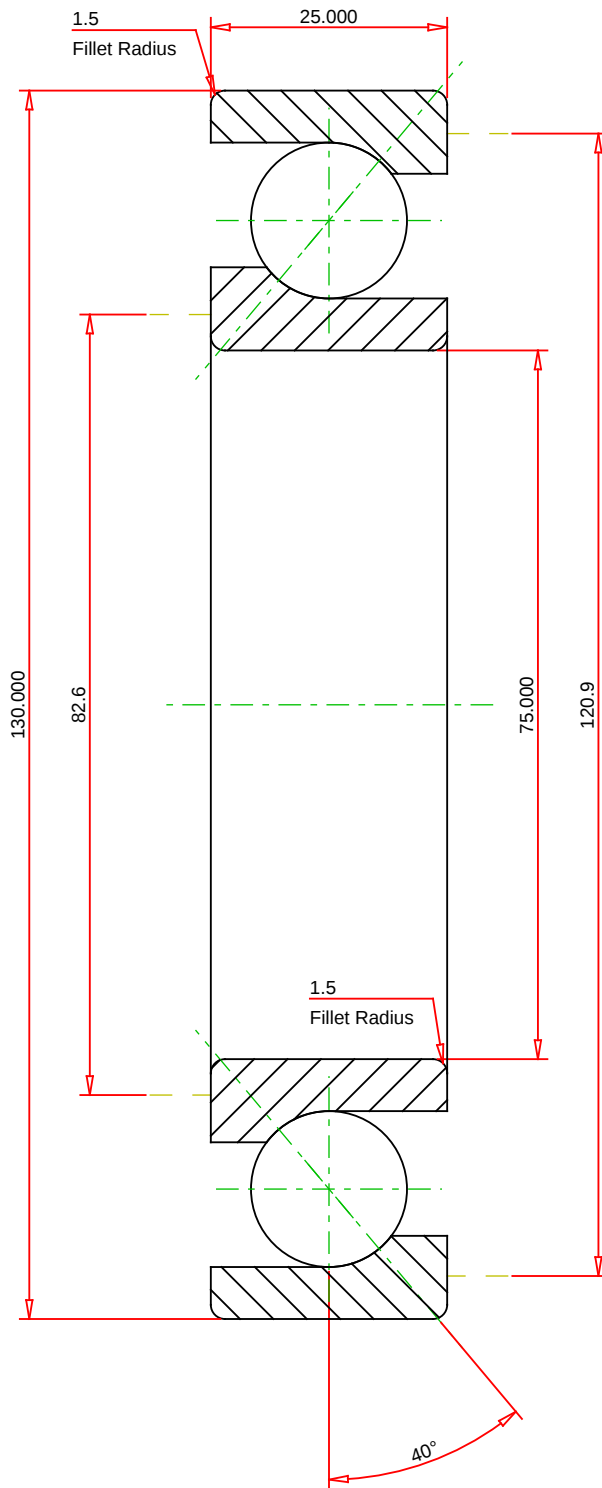
da - Inner Ring Backing Diameter	82.600 mm 3.250 in
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Da - Outer Ring Backing Diameter	120.900 mm 4.760 in
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¹ Based on 10⁶ revolutions of calculated fatigue life.

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	16 1.271 kg	TIMKEN®		7215WN Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		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