


The Timken Company

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Timken Part Number 7213WN, 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	65.000 mm 2.5591 in
D - Outer Diameter	120.000 mm 4.7244 in
Bearing Width	23.000 mm 0.9055 in
Contact Angle	40 °
do - Ball Diameter	16.668750 mm 0.656250 in

Basic Load Ratings

C0 - Static Radial Rating	52400 N 11800 lbf
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Ce - Dynamic Radial Rating¹	72400 N 16300 lbf
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Factors

Limiting Speed (Grease)	3250 rpm
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Limiting Speed (Oil)	4340 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	1.061 Kg 2.34 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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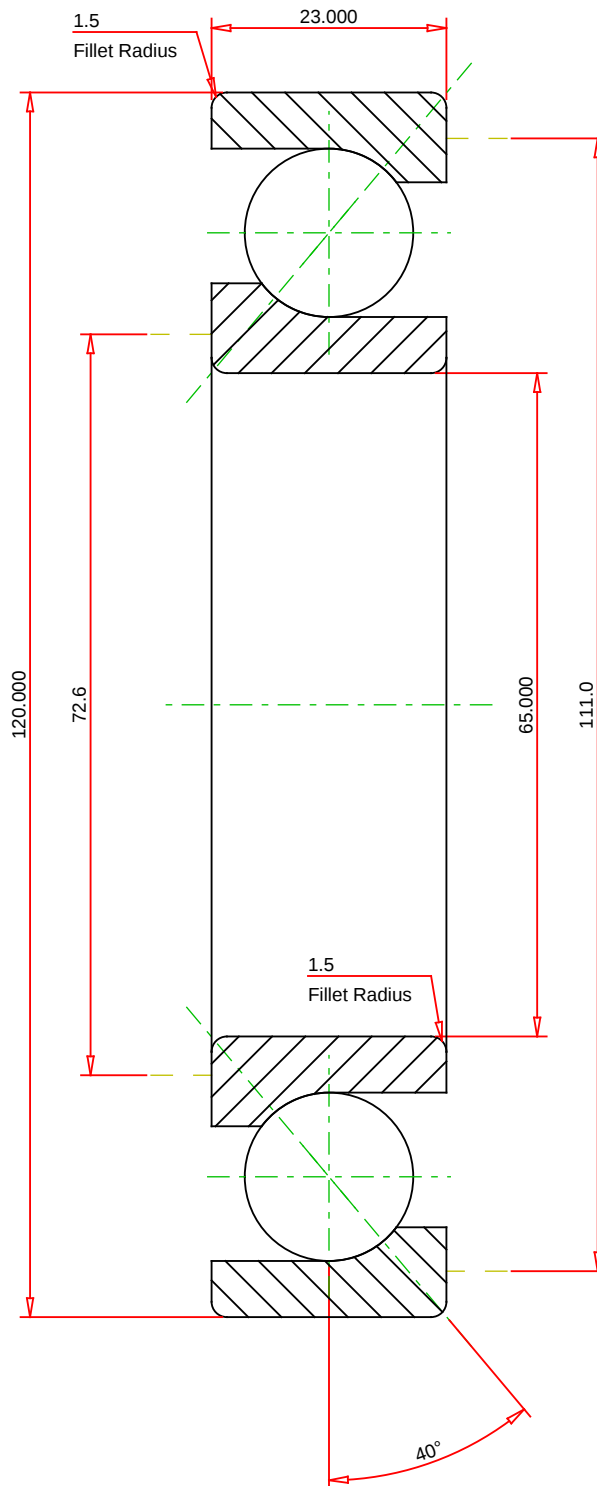
da - Inner Ring Backing Diameter	72.600 mm 2.860 in
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Da - Outer Ring Backing Diameter	111.000 mm 4.370 in
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¹ Based on 10⁶ revolutions of calculated fatigue life.

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 1.061 kg	TIMKEN ®	7213WN Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)		
			Dynamic Radial Rating 72400 N Static Radial Rating 52400 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.

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