


The Timken Company

4500 Mt Pleasant St. NW

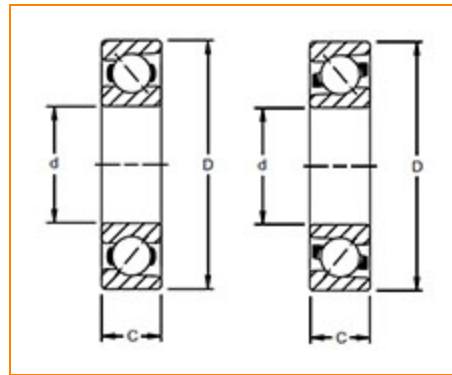
N. Canton, OH 44720

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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 mm
D - Outer Diameter	130 mm 5.1181 in
Bearing Width	25 mm 0.9843 in
Contact Angle	40°

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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Design Units	Metric
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius²	1.5 mm 0.059 in
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r - Outer Ring "To Clear" Radius³	1.5 mm 0.059 in
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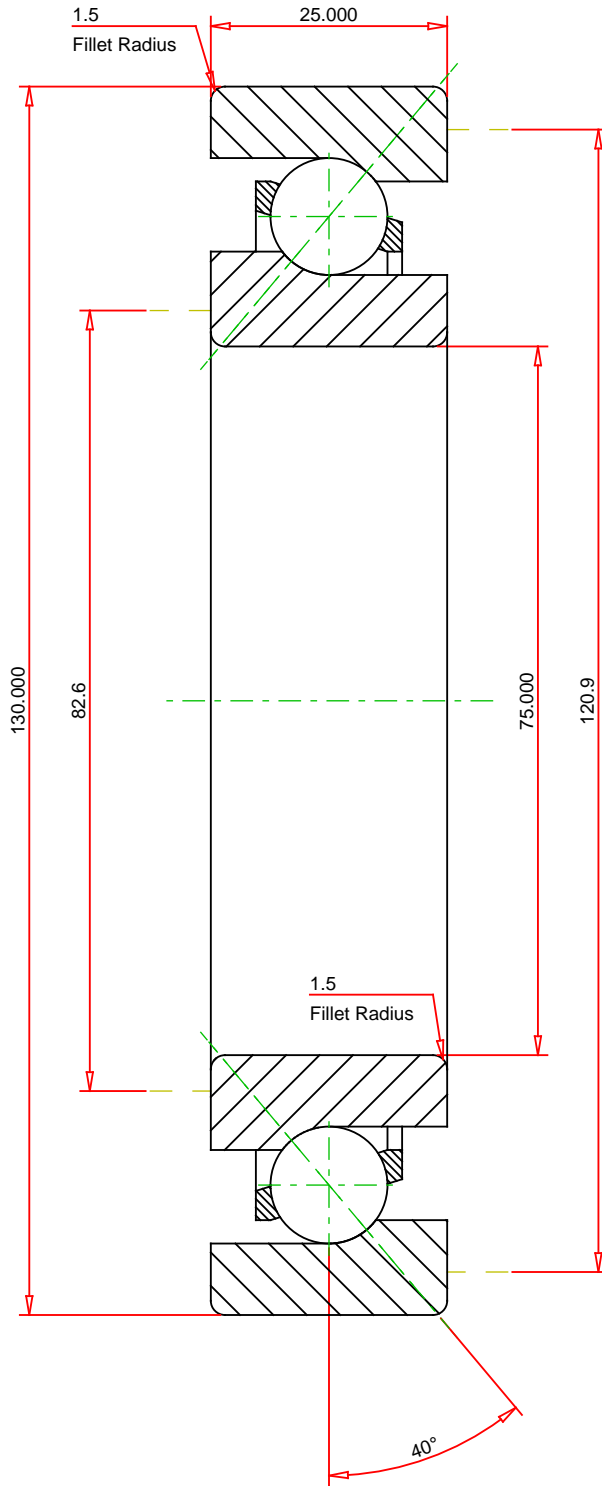
da - Inner Ring Backing Diameter	82.60 mm 3.250 in
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Da - Outer Ring Backing Diameter	120.90 mm 4.760 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

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	1.271 kg

TIMKEN®

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NORTH CANTON, OHIO USA

7215WN
Fafnir® Single Row Angular Contact Ball Bearings
(7200, 7300, 7400)

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