


The Timken Company

4500 Mt Pleasant St. NW

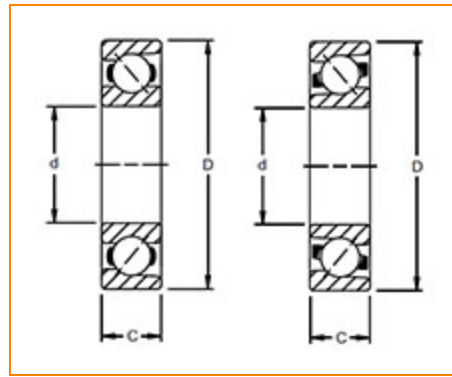
N. Canton, OH 44720

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Part Number 7210WN DU, 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	50 mm
D - Outer Diameter	90 mm 3.5433 in
Bearing Width	20 mm 0.7874 in
Contact Angle	40 °

Basic Load Ratings


C₀ - Static Radial Rating

 28400 N
6400 lbf

Ce - Dynamic Radial Rating¹	42500 N 9500 lbf
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Factors

Limiting Speed (Grease)	4300 rpm
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Limiting Speed (Oil)	5720 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 mm 0.043 in
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r - Outer Ring "To Clear" Radius³	1 mm 0.043 in
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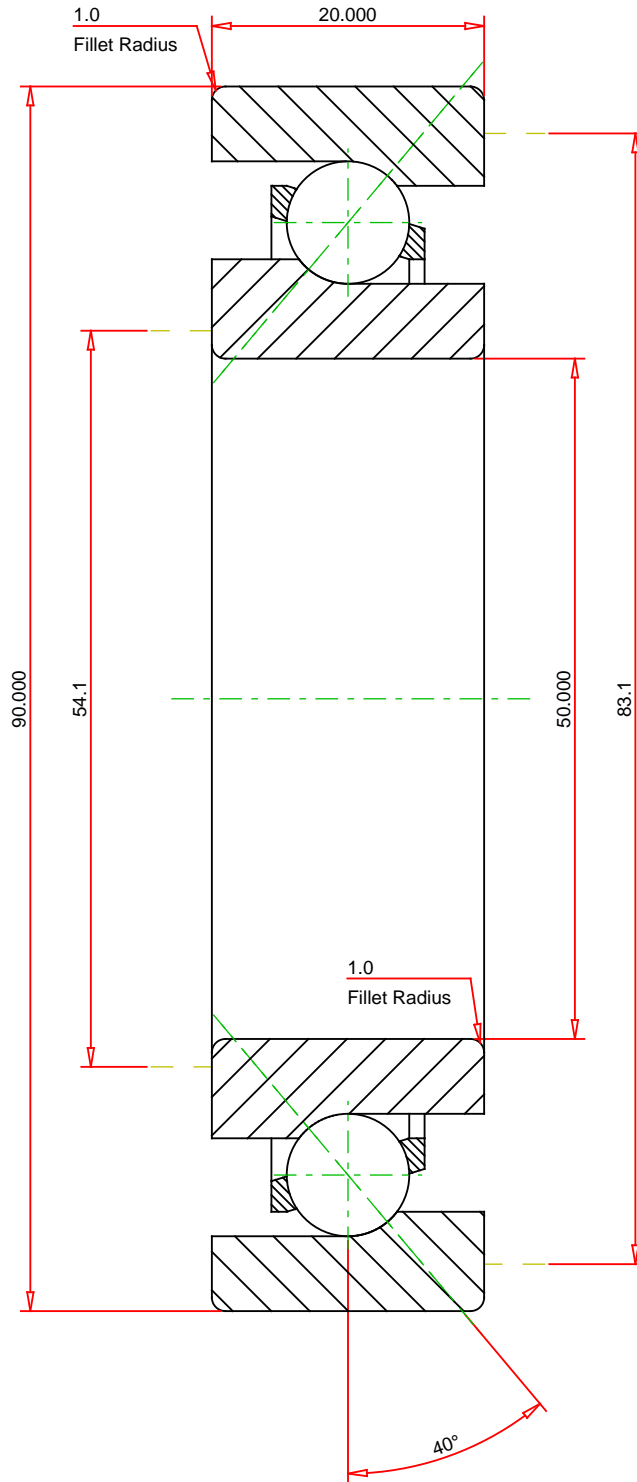
da - Inner Ring Backing Diameter	54.10 mm 2.1300 in
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Da - Outer Ring Backing Diameter	83.10 mm 3.2700 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

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 15
 Bearing Weight 0.508 kg

TIMKEN®

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 NORTH CANTON, OHIO USA

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

Dynamic Radial Rating 42500 N
 Static Radial Rating 28400 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