



The Timken Company

4500 Mt Pleasant St. NW

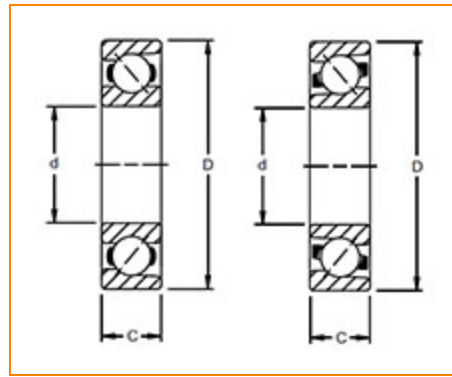
N. Canton, OH 44720

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Part Number 7313WN, 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 mm
D - Outer Diameter	140 mm
Bearing Width	33 mm
Contact Angle	40°

Basic Load Ratings

C0 - Static Radial Rating	75500 N
Ce - Dynamic Radial Rating¹	115000 N



Factors

Limiting Speed (Grease)	3420 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	2 mm
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r - Outer Ring "To Clear" Radius³	2 mm
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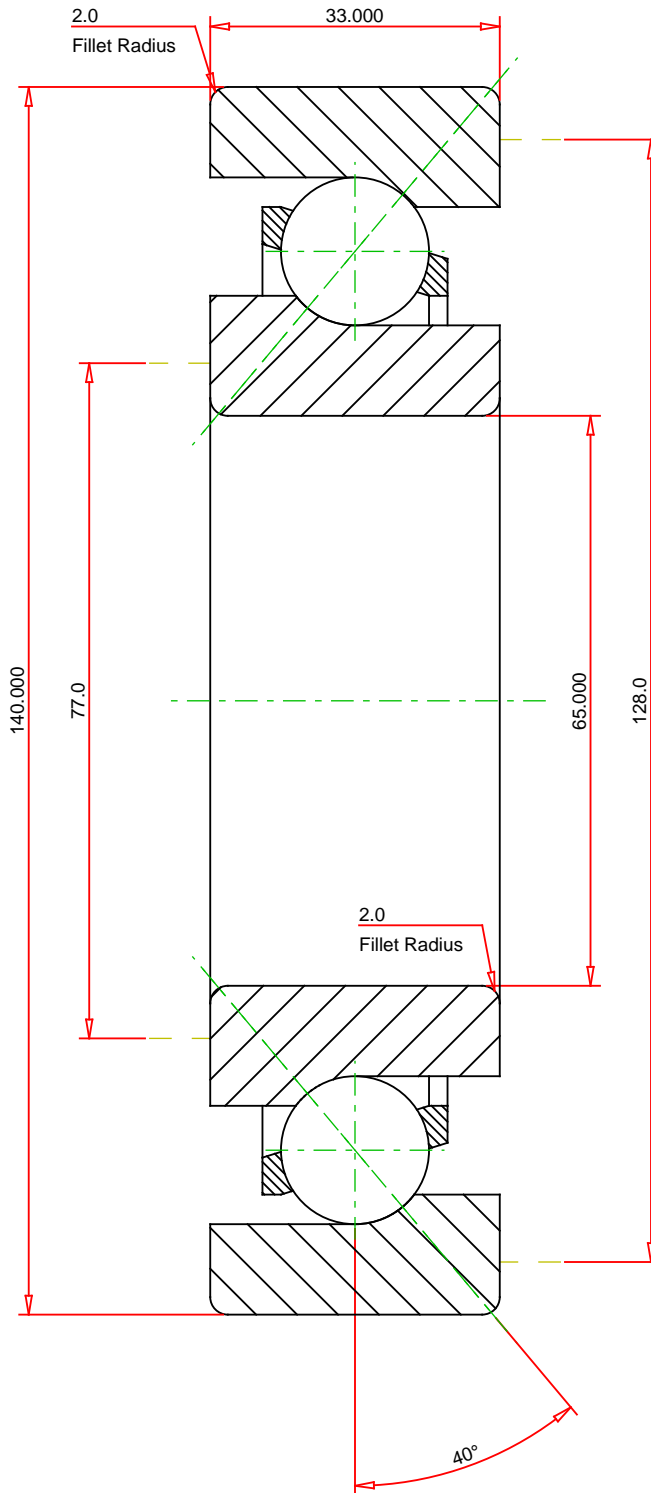
da - Inner Ring Backing Diameter	77.00 mm
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Da - Outer Ring Backing Diameter	128.00 mm
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¹ Based on 10^6 revolutions of calculated fatigue life.

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 12
 Bearing Weight 2.477 kg

TIMKEN®

7313WN
 Fafnir® Single Row Angular Contact Ball Bearings
 (7200, 7300, 7400)

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 115000 N
 Static Radial Rating 75500 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