



The Timken Company

4500 Mt Pleasant St. NW

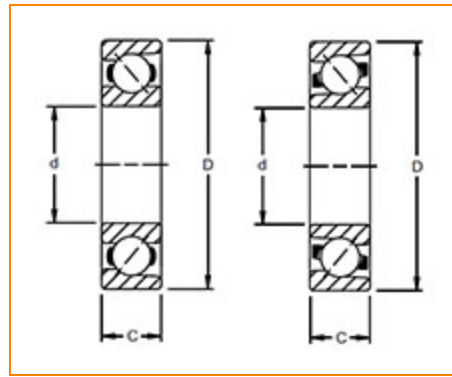
N. Canton, OH 44720

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Part Number 7207WN, 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	35 mm
D - Outer Diameter	72 mm 2.8346 in
Bearing Width	17 mm 0.6693 in
Contact Angle	40°

Basic Load Ratings



C0 - Static Radial Rating

18000 N
4150 lbf

Ce - Dynamic Radial Rating¹	30800 N 6950 lbf
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Factors

Limiting Speed (Grease)	5620 rpm
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Limiting Speed (Oil)	7490 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	1.1 mm 0.043 in
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r - Outer Ring "To Clear" Radius³	1.1 mm 0.043 in
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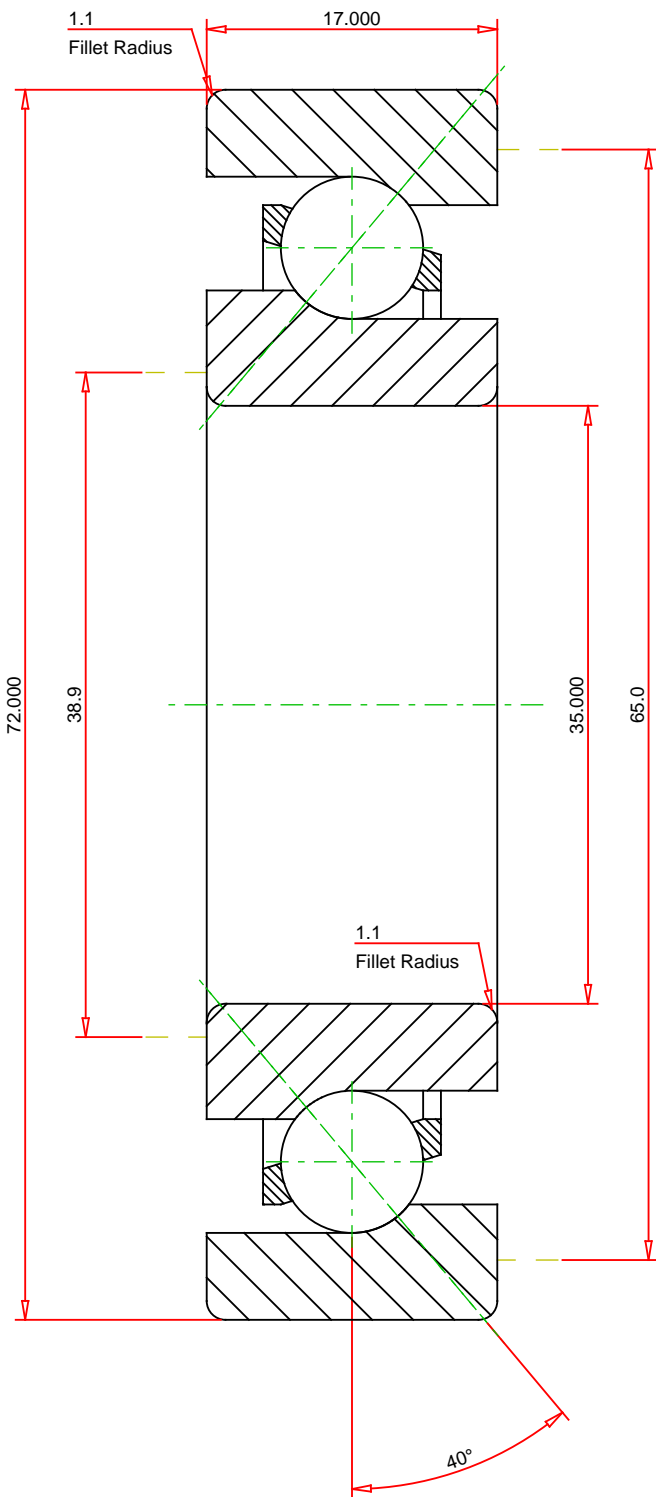
da - Inner Ring Backing Diameter	38.90 mm 1.5300 in
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Da - Outer Ring Backing Diameter	65.00 mm 2.5600 in
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¹ Based on 10^6 revolutions of calculated fatigue life.

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	13
Bearing Weight	0.286 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

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Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)	
Dynamic Radial Rating	30800 N
Static Radial Rating	18000 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