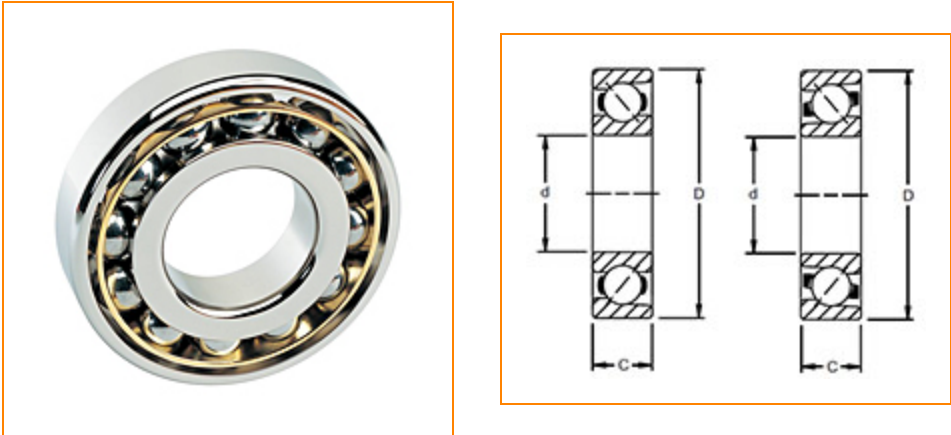




The Timken Company
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Part Number 7216WN SU, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	80 mm
D - Outer Diameter	140 mm 5.5118 in
Bearing Width	26 mm 1.0236 in
Contact Angle	40 °

Basic Load Ratings

 C₀ - Static Radial Rating	65500 N 15600 lbf
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Ce - Dynamic Radial Rating¹

91500 N
20400 lbf

Factors**Limiting Speed (Grease)**

2730 rpm

Limiting Speed (Oil)

3640 rpm

Specifications**Ball Type**

STEEL

Cage Type

Ball Piloted, Pressed Brass Cage

Design Units

Metric

Manufacturing Part Number

7216WNSU

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius²**

2 mm
0.079 in

r - Outer Ring "To Clear" Radius³

2 mm
0.079 in

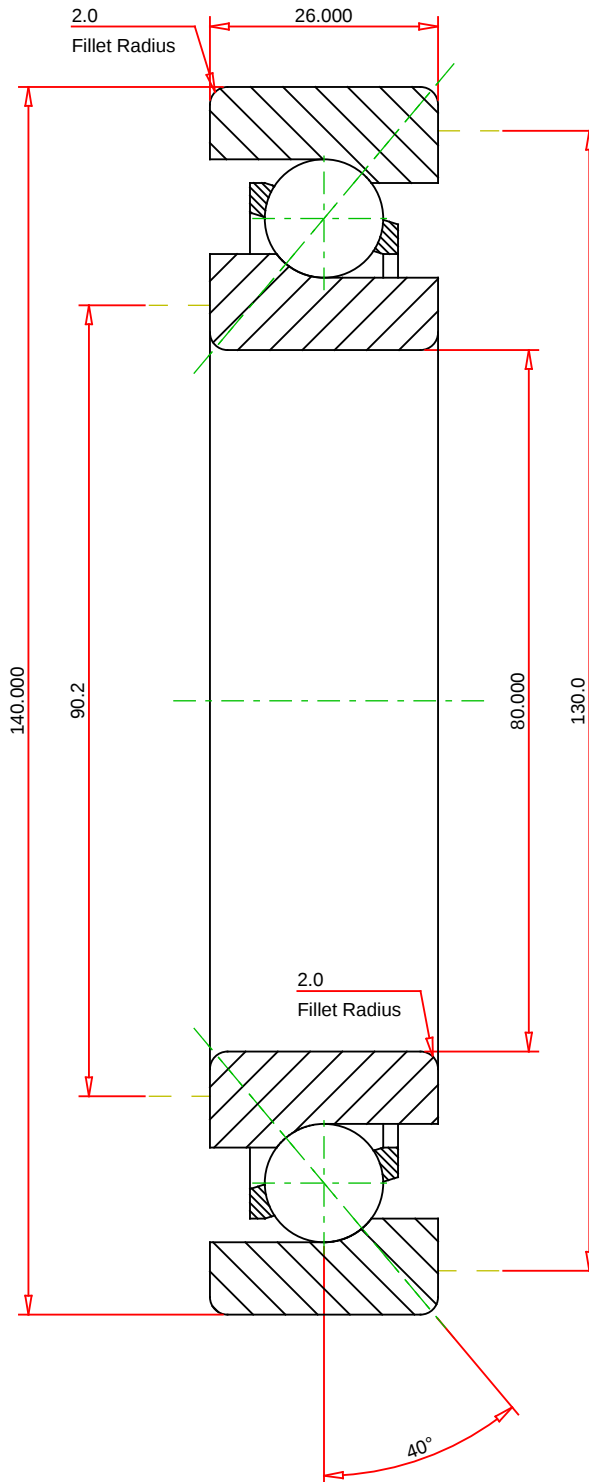
da - Inner Ring Backing Diameter

90.20 mm
3.550 in

Da - Outer Ring Backing Diameter

130.00 mm
5.120 in

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 Bearing Weight	16 1.483 kg	TIMKEN®		7216WN SU Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)	
		THE TIMKEN COMPANY NORTH CANTON, OHIO USA		Dynamic Radial Rating	91500 N
				Static Radial Rating	65500 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