



The Timken Company

4500 Mt Pleasant St. NW

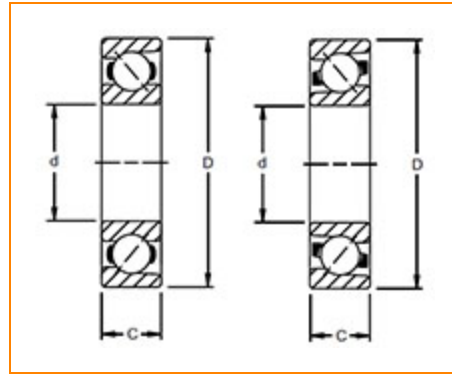
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Part Number 7313WN SU, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	65 mm
D - Outer Diameter	140 mm 5.5118 in
Bearing Width	33 mm 1.2992 in
Contact Angle	40 °

Basic Load Ratings



C₀ - Static Radial Rating

75500 N
17000 lbf

Ce - Dynamic Radial Rating¹115000 N
26000 lbf**Factors****Limiting Speed (Grease)**

3420 rpm

Limiting Speed (Oil)

3900 rpm

Specifications**Ball Type**

STEEL

Cage Type

Ball Piloted, Pressed Brass Cage

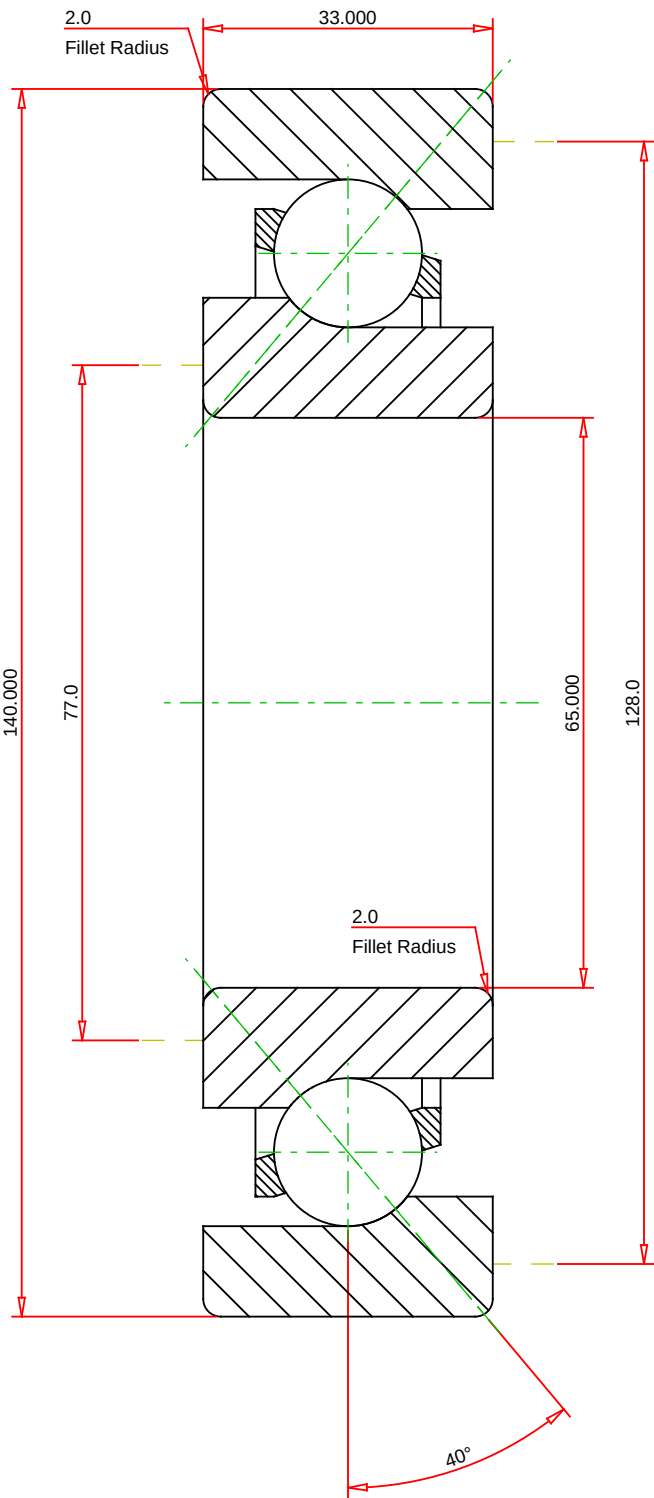
Design Units

Metric

Manufacturing Part Number

7313WNSU

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius²**2 mm
0.083 in**r - Outer Ring "To Clear" Radius³**2 mm
0.083 in**da - Inner Ring Backing Diameter**77.00 mm
3.0300 in**Da - Outer Ring Backing Diameter**128.00 mm
5.0400 in¹ 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®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

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

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