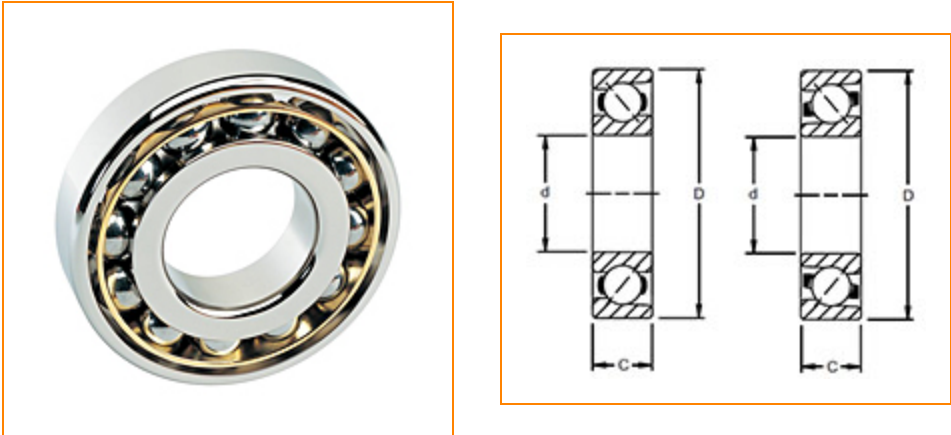




The Timken Company
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Part Number 7205WN SU, **Fafnir®** Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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	25 mm
D - Outer Diameter	52 mm 2.0472 in
Bearing Width	15 mm 0.5906 in
Contact Angle	40 °

Basic Load Ratings

 C ₀ - Static Radial Rating	9400 N 2120 lbf
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Ce - Dynamic Radial Rating¹16600 N
3750 lbf**Factors****Limiting Speed (Grease)**

7775 rpm

Limiting Speed (Oil)

10370 rpm

Specifications**Ball Type**

STEEL

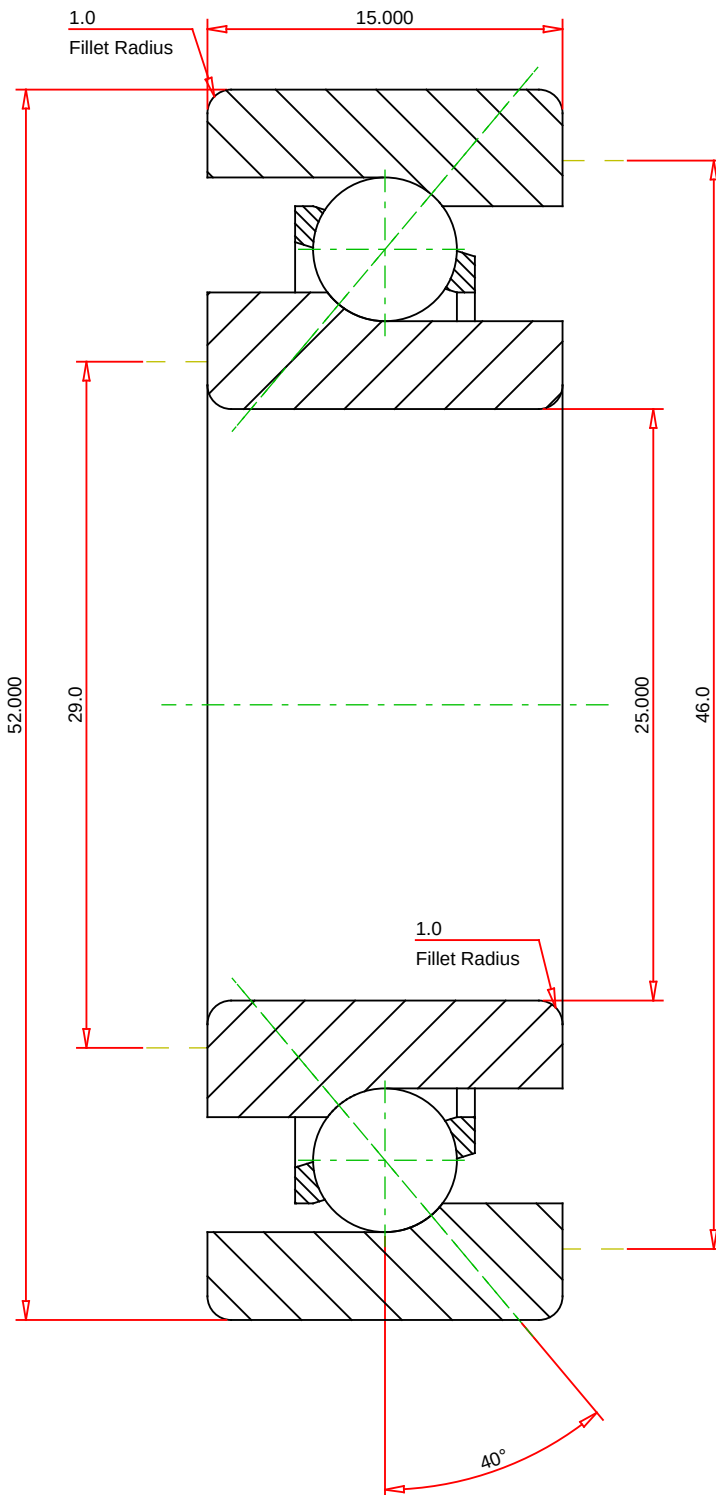
Cage Type

Ball Piloted, Pressed Brass Cage

Design Units

Metric

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius²**1 mm
0.039 in**r - Outer Ring "To Clear" Radius³**1 mm
0.039 in**da - Inner Ring Backing Diameter**29.00 mm
1.140 in**Da - Outer Ring Backing Diameter**46.00 mm
1.810 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
Bearing Weight

13
0.132 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7205WN SU
Fafnir® Single Row Angular Contact Ball Bearings
(7200, 7300, 7400)

Dynamic Radial Rating
Static Radial Rating

16600 N
9400 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