


The Timken Company

4500 Mt Pleasant St. NW

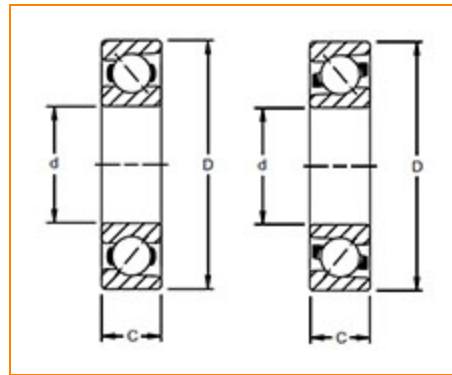
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Part Number 7204WN SU, Fafnir® Single Row Angular Contact Ball Bearings (7200, 7300, 7400)

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](#) | [Specifications](#) | [Abutment and Fillet Dimensions](#)

Dimensions

d - Bore	20 mm
D - Outer Diameter	47 mm 1.8504 in
Bearing Width	14 mm 0.5512 in
Contact Angle	40°

Basic Load Ratings

 C₀ - Static Radial Rating	8100 N 1830 lbf
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Ce - Dynamic Radial Rating¹	16800 N 3800 lbf
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Specifications

Ball Type	STEEL
Cage Type	Ball Piloted, Pressed Brass Cage
Design Units	Metric

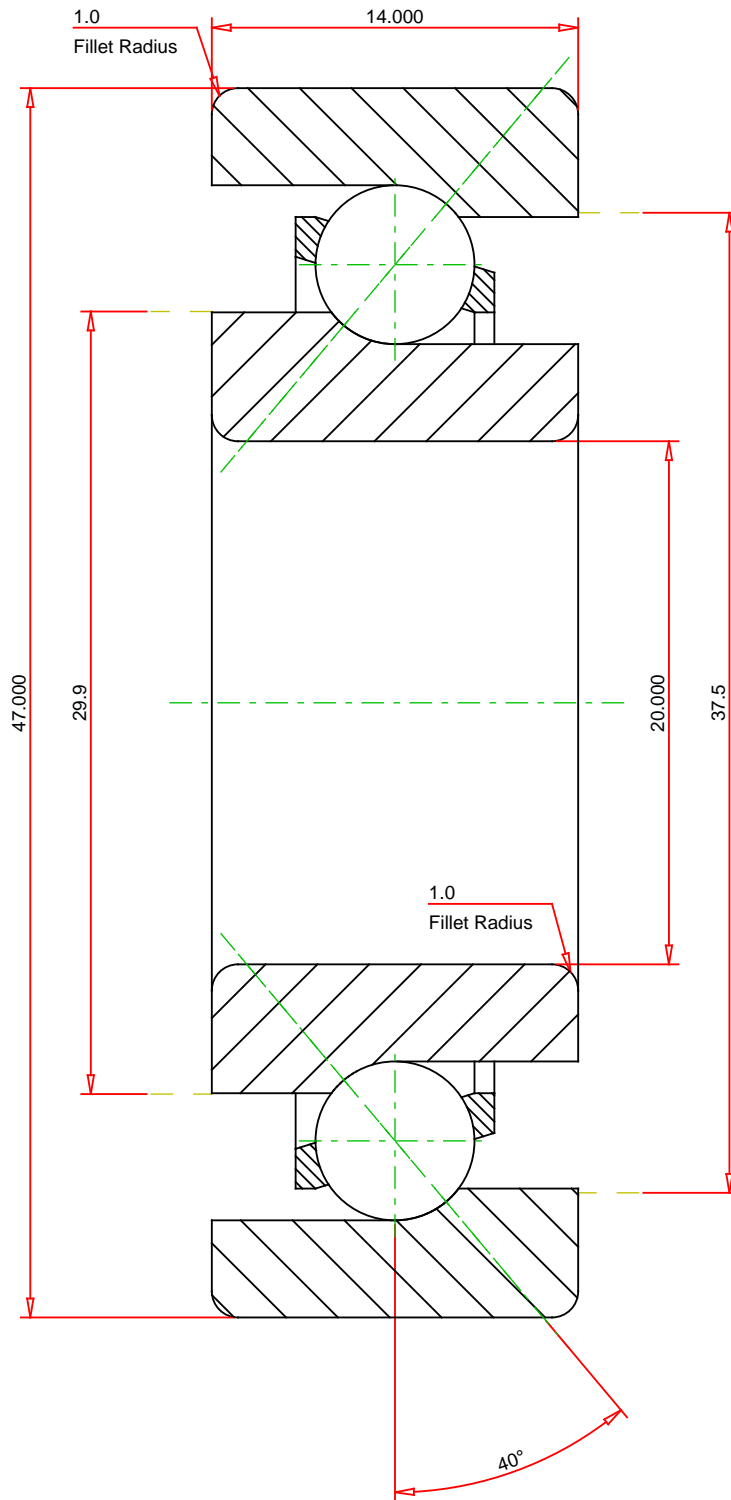
Abutment and Fillet Dimensions

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	29.920 mm 1.178 in
Da - Outer Ring Backing Diameter	37.470 mm 1.475 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	10
Bearing Weight	0.104 kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

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Dynamic Radial Rating	16800 N
Static Radial Rating	8100 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