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Timken Part Number 7204WN, 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	20.000 mm 0.7874 in
D - Outer Diameter	47.000 mm 1.8504 in
Bearing Width	14.000 mm 0.5512 in
Contact Angle	40 º
do - Ball Diameter	8.73125 mm 0.34375 in

Basic Load Ratings

C0 - Static Radial Rating	8100 N 1830 lbf
Ce - Dynamic Radial Rating[1]	16800 N 3800 lbf

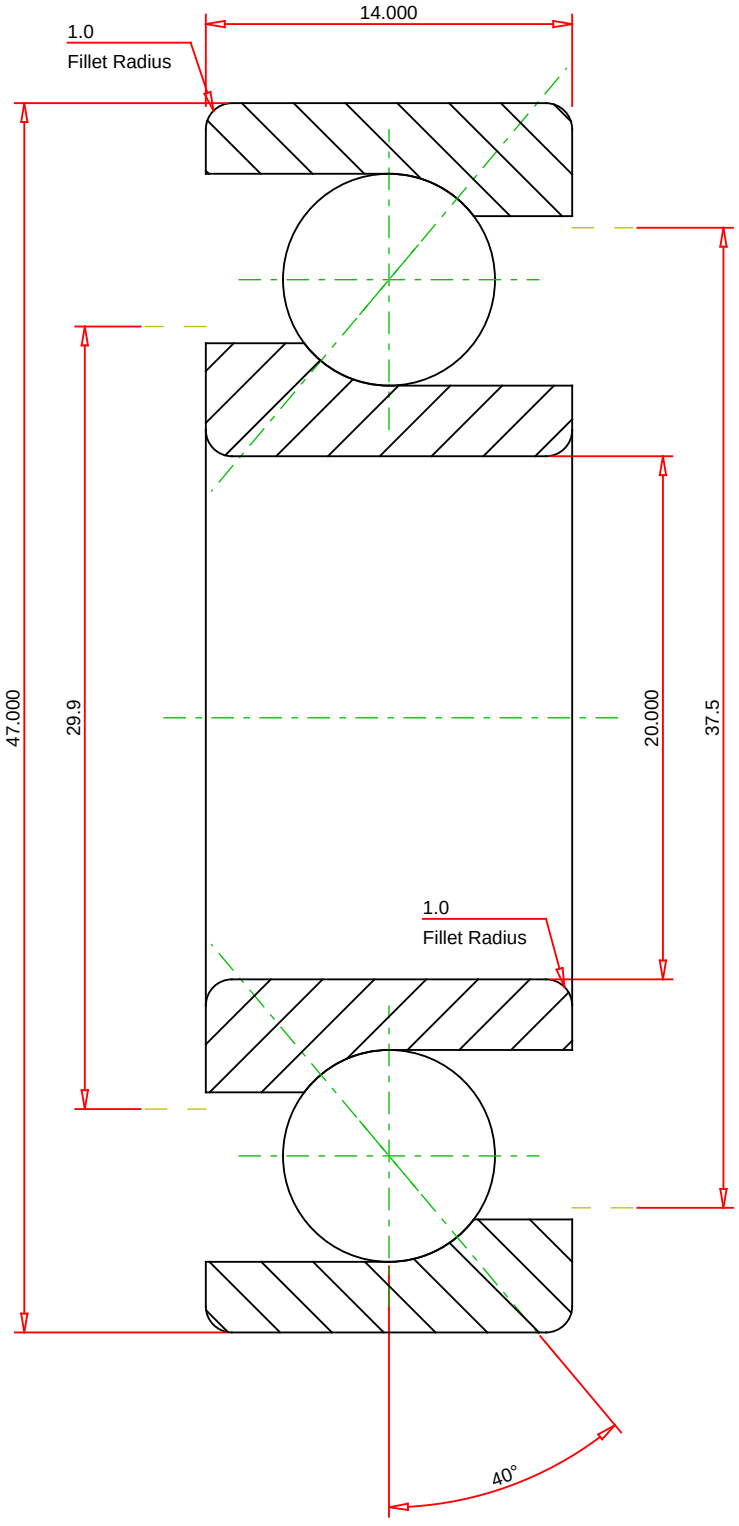
Specifications

Ball Type	Steel
Cage Type	Ball Piloted, Pressed Brass Cage
Bearing Weight	0.104 Kg 0.23 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.000 mm 0.039 in
r - Outer Ring "To Clear" Radius[3]	1.000 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

7204WN

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

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