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Timken Part Number 7303WN, 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	17.000 mm 0.6693 in
D - Outer Diameter	47.000 mm 1.8504 in
Bearing Width	14.000 mm 0.5512 in
Contact Angle	20 °
do - Ball Diameter	9.52500 mm 0.37500 in

Basic Load Ratings

C0 - Static Radial Rating	9200 N 2080 lbf
Ce - Dynamic Radial Rating[1]	20200 N 4550 lbf

Factors

Limiting Speed (Grease)	10930 rpm
Limiting Speed (Oil)	12490 rpm

Specifications

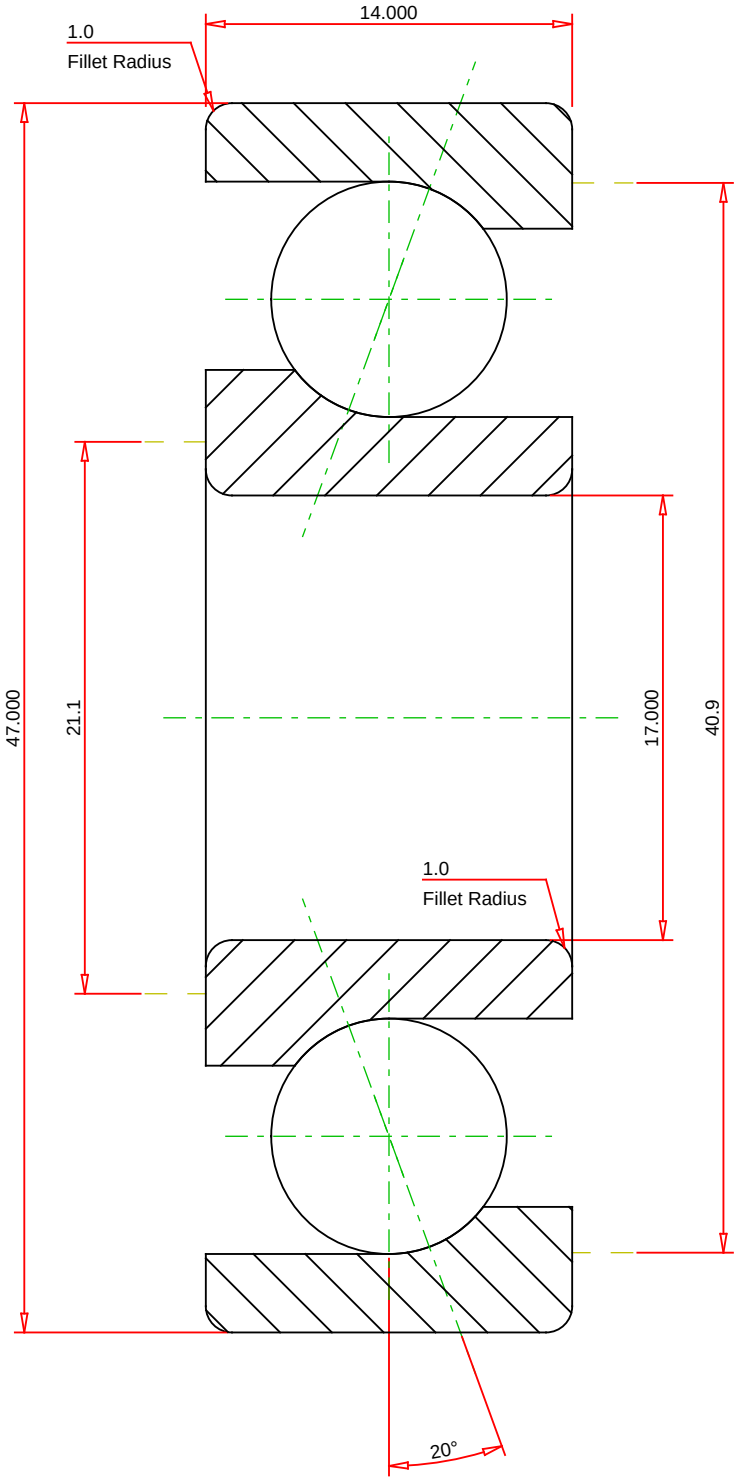
Ball Type	Steel
Cage Type	Steel Cage
Bearing Weight	0.118 Kg 0.26 lb
Design Units	METRIC

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	21.100 mm 0.830 in
Da - Outer Ring Backing Diameter	40.900 mm 1.610 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	9	
Bearing Weight	0.118	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7303WN

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

Dynamic Radial Rating	20200	N
Static Radial Rating	9200	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