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Timken Part Number 7405W, 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	0.9843 in
D - Outer Diameter	3.1496 in
Bearing Width	0.8268 in
Contact Angle	20 º
do - Ball Diameter	0.687500 in

Basic Load Ratings

C0 - Static Radial Rating	25900 N 5850 lbf

Ce - Dynamic Radial Rating[1]	53300 N 12000 lbf

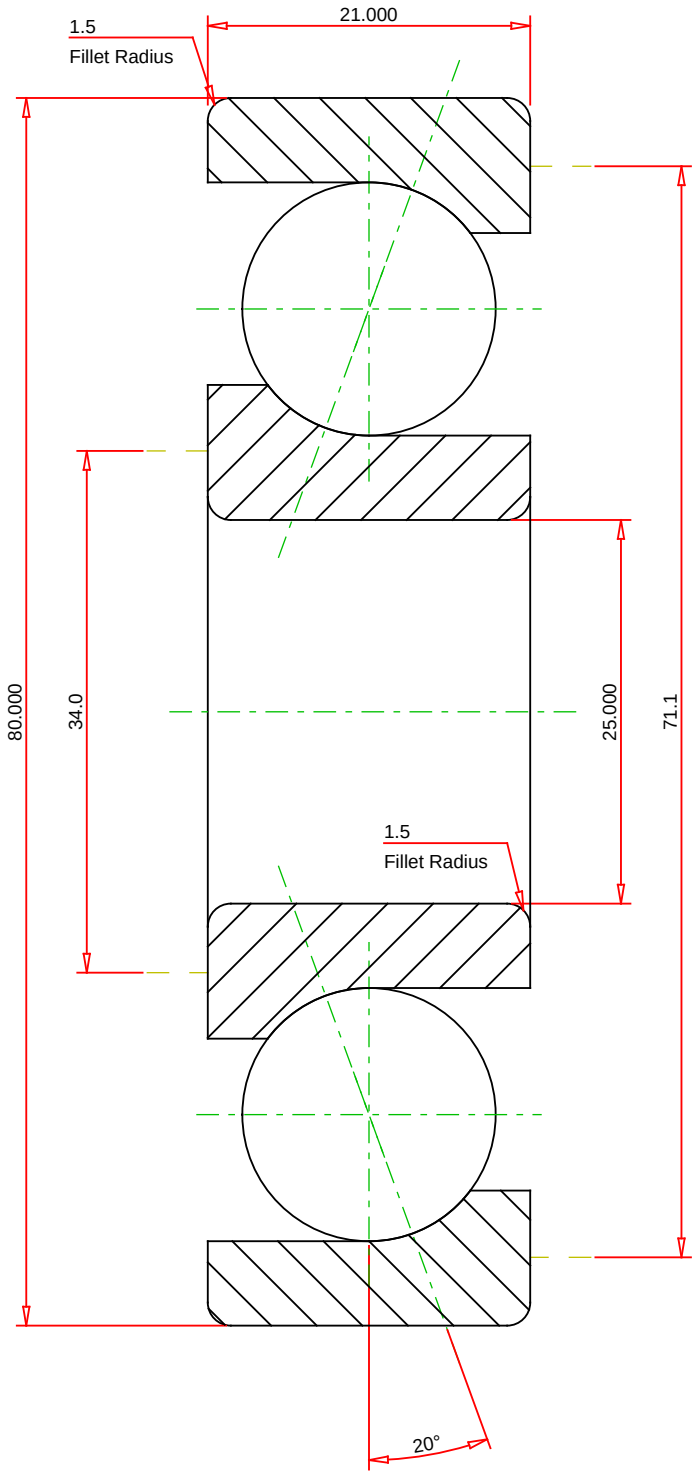
Specifications

Ball Type	Steel
Cage Type	Steel Cage
Bearing Weight	2.04 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	0.059 in
r - Outer Ring "To Clear" Radius[3]	0.059 in
da - Inner Ring Backing Diameter	1.340 in
Da - Outer Ring Backing Diameter	2.800 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	8	
Bearing Weight	0.925	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7405W

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

Dynamic Radial Rating	53300	N
Static Radial Rating	25900	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