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Timken Part Number 7407W, 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	35.000 mm 1.3780 in
D - Outer Diameter	100.000 mm 3.9370 in
Bearing Width	25.000 mm 0.9843 in
Contact Angle	20 °
do - Ball Diameter	20.63750 mm 0.81250 in

Basic Load Ratings

C0 - Static Radial Rating	42800 N 9650 lbf
Ce - Dynamic Radial Rating[1]	79900 N 18000 lbf

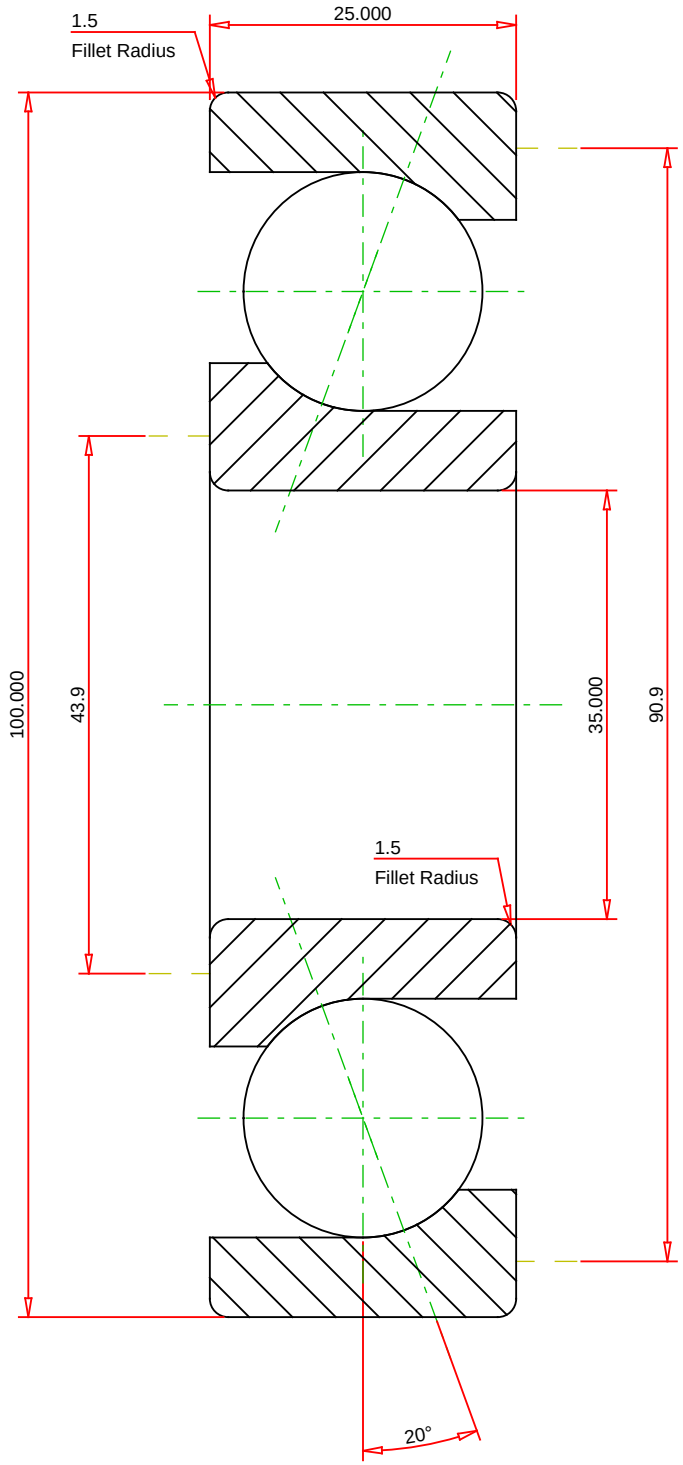
Specifications

Ball Type	Steel
Cage Type	Steel Cage
Bearing Weight	1.002 Kg 2.210 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	1.500 mm 0.059 in
r - Outer Ring "To Clear" Radius[3]	1.500 mm 0.059 in
da - Inner Ring Backing Diameter	43.900 mm 1.730 in
Da - Outer Ring Backing Diameter	90.900 mm 3.580 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	1.002	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7407W

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

Dynamic Radial Rating	79900	N
Static Radial Rating	42800	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