The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Timken Part Number 7409W, 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	45.000 mm 1.7717 in
D - Outer Diameter	120.000 mm 4.7244 in
Bearing Width	29.000 mm 1.1417 in
Contact Angle	20 °
do - Ball Diameter	23.01875 mm 0.90625 in

Basic Load Ratings

C0 - Static Radial Rating	62000 N 14000 lbf
Ce - Dynamic Radial Rating[1]	106000 N 24000 lbf

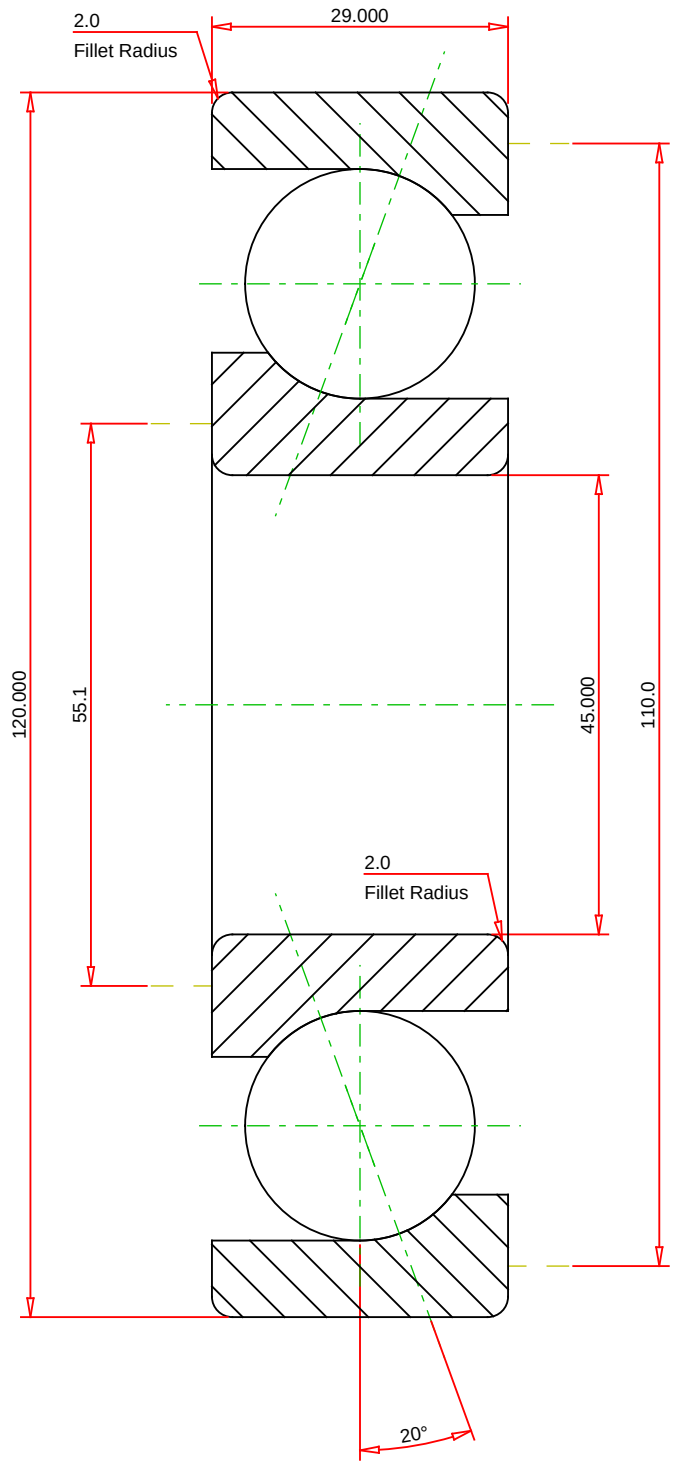
Specifications

Ball Type	Steel
Cage Type	Steel Cage
Bearing Weight	1.647 Kg 3.63 lb
Design Units	METRIC

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[2]	2.000 mm 0.079 in
r - Outer Ring "To Clear" Radius[3]	2.000 mm 0.079 in
da - Inner Ring Backing Diameter	55.100 mm 2.170 in
Da - Outer Ring Backing Diameter	110.000 mm 4.330 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	1.647	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

7409W

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

Dynamic Radial Rating	106000	N
Static Radial Rating	62000	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