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# Timken Part Number 7408W, 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** | 40.000 mm<br>1.5748 in |
| **D - Outer Diameter** | 110.000 mm<br>4.3307 in |
| **Bearing Width** | 27.000 mm<br>1.0630 in |
| **Contact Angle** | 20 ° |
| **do - Ball Diameter** | 22.22500 mm<br>0.87500 in |

## Basic Load Ratings

| | |
|---|---|
| **C0 - Static Radial Rating** | 56400 N<br>12700 lbf |
| **Ce - Dynamic Radial Rating[1]** | 99500 N<br>22400 lbf |

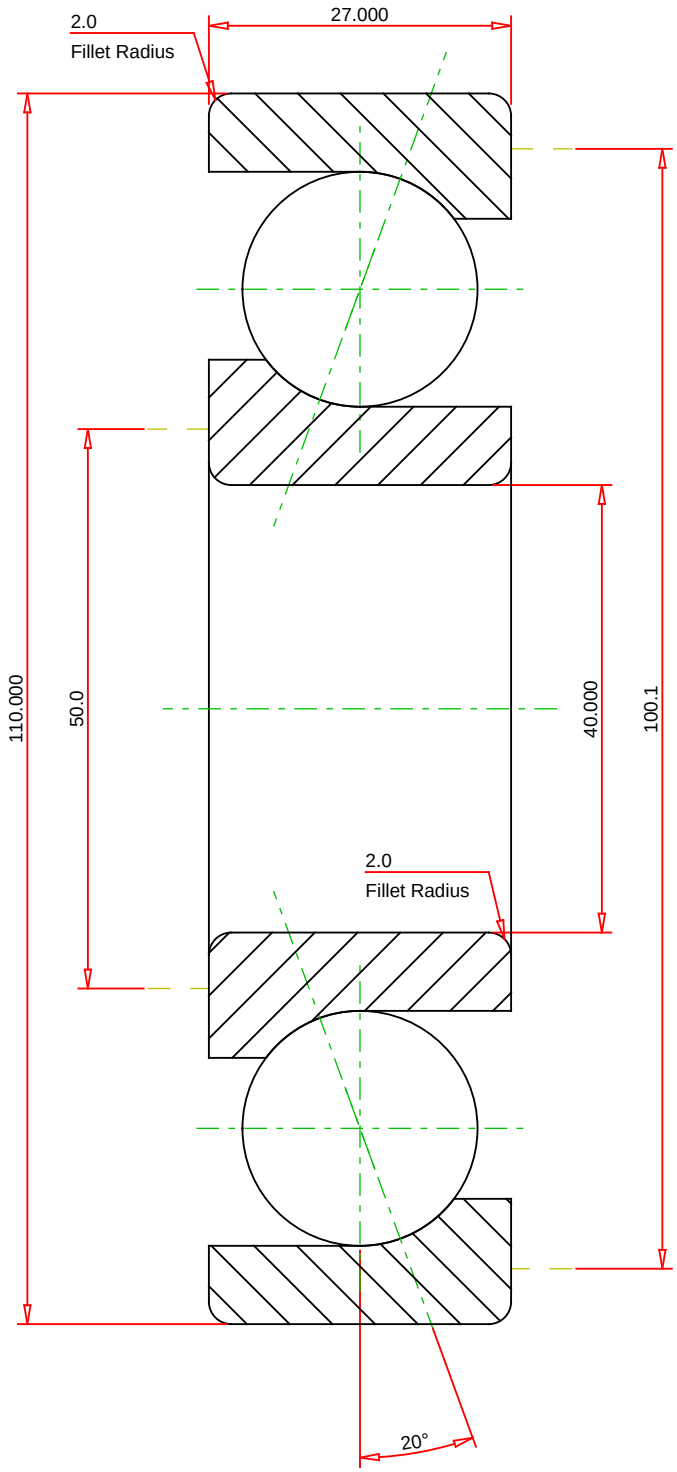
## Specifications

| | |
|---|---|
| **Ball Type** | Steel |
| **Cage Type** | Steel Cage |
| **Bearing Weight** | 1.311 Kg<br>2.89 lb |
| **Design Units** | METRIC |

## Abutment and Fillet Dimensions

| | |
|---|---|
| **R - Inner Ring "To Clear" Radius[2]** | 2.000 mm<br>0.079 in |
| **r - Outer Ring "To Clear" Radius[3]** | 2.000 mm<br>0.079 in |
| **da - Inner Ring Backing Diameter** | 50.000 mm<br>1.970 in |
| **Da - Outer Ring Backing Diameter** | 100.100 mm<br>3.940 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 | 1.311 | kg |

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

# 7408W

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

| | | |
|---|---|---|
| Dynamic Radial Rating | 99500 | N |
| Static Radial Rating | 56400 | 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