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# Timken Part Number 7202W, 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** | 15.000 mm<br>0.5906 in |
| **D - Outer Diameter** | 35.000 mm<br>1.3780 in |
| **Bearing Width** | 11.000 mm<br>0.4331 in |
| **Contact Angle** | 20 ° |
| **do - Ball Diameter** | 6.350000 mm<br>0.25000 in |

## Basic Load Ratings

| | |
|---|---|
| **C0 - Static Radial Rating** | 4700 N<br>1060 lbf |
| **Ce - Dynamic Radial Rating[1]** | 10300 N<br>2320 lbf |

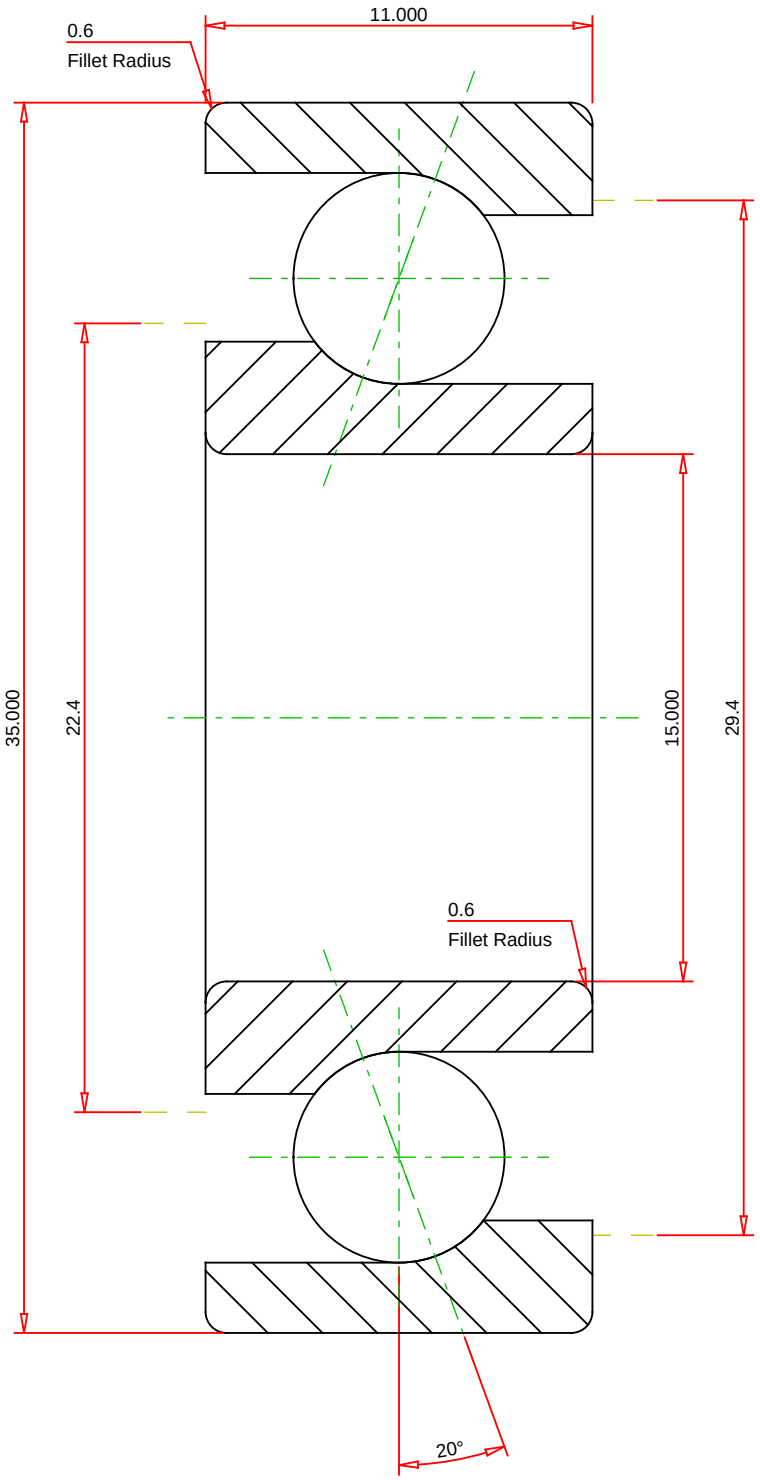
## Specifications

| | |
|---|---|
| **Ball Type** | Steel |
| **Cage Type** | Nylon Cage |
| **Bearing Weight** | 0.045 Kg<br>0.100 lb |
| **Design Units** | METRIC |

## Abutment and Fillet Dimensions

| | |
|---|---|
| **R - Inner Ring "To Clear" Radius[2]** | 0.600 mm<br>0.024 in |
| **r - Outer Ring "To Clear" Radius[3]** | 0.600 mm<br>0.024 in |
| **da - Inner Ring Backing Diameter** | 22.440 mm<br>0.8836 in |
| **Da - Outer Ring Backing Diameter** | 29.440 mm<br>1.159 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 | 0.045 | kg |

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

# 7202W

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

| | | |
|---|---|---|
| Dynamic Radial Rating | 10300 | N |
| Static Radial Rating | 4700 | 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