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# Timken Part Number 7324WN MBR, 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** | 4.7244 in |
| **D - Outer Diameter** | 10.2362 in |
| **Bearing Width** | 2.1654 in |
| **Contact Angle** | 40 º |
| **do - Ball Diameter** | 1.75000 in |

## Basic Load Ratings

| | |
|---|---|
| **C0 - Static Radial Rating** | 259000 N<br>58500 lbf |

| | |
|---|---|
| **Ce - Dynamic Radial Rating[1]** | 284000 N<br>64000 lbf |

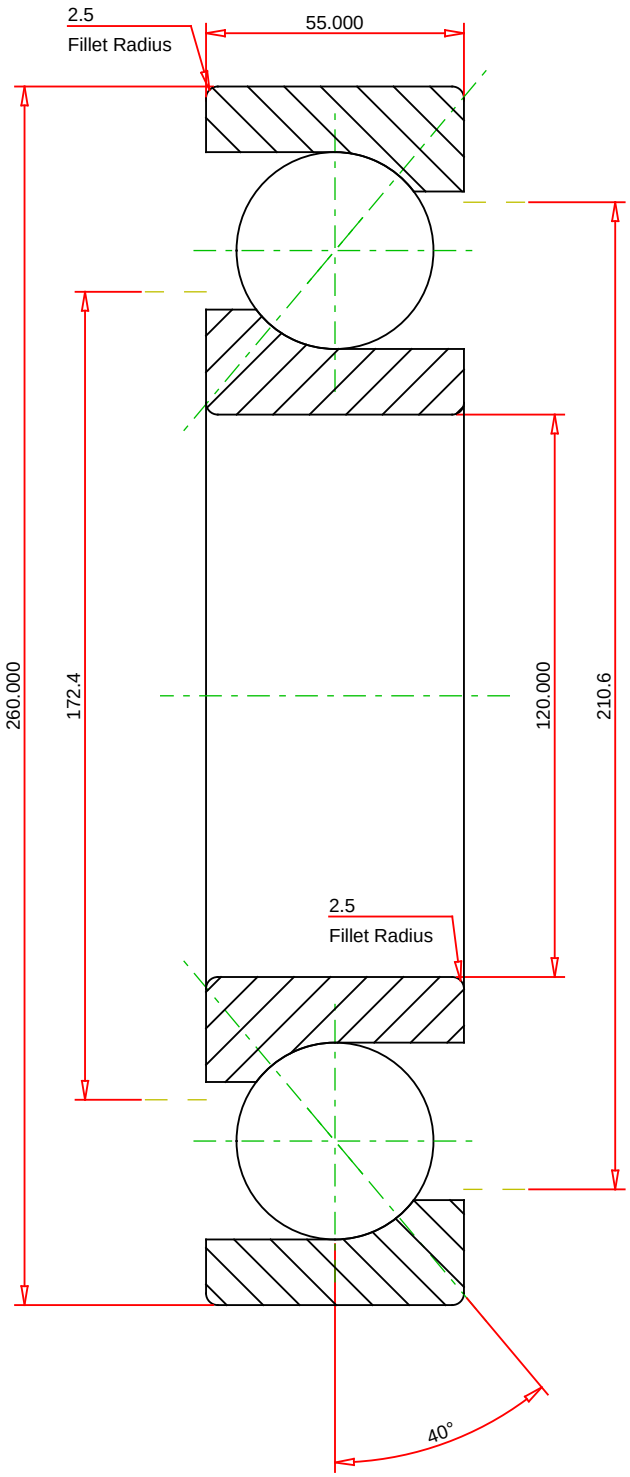
## Specifications

| | |
|---|---|
| **Ball Type** | Steel |
| **Cage Type** | Outer Ring Piloted, Machined Bronze Cage |
| **Bearing Weight** | 31.62 lb |
| **Design Units** | METRIC |

## Abutment and Fillet Dimensions

| | |
|---|---|
| **R - Inner Ring "To Clear" Radius[2]** | 0.098 in |
| **r - Outer Ring "To Clear" Radius[3]** | 0.098 in |
| **da - Inner Ring Backing Diameter** | 6.787 in |
| **Da - Outer Ring Backing Diameter** | 8.292 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 | 12 | |
| Bearing Weight | 14.356 | kg |

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

# 7324WN MBR

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

| | | |
|---|---|---|
| Dynamic Radial Rating | 284000 | N |
| Static Radial Rating | 259000 | 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