



**The Timken Company**

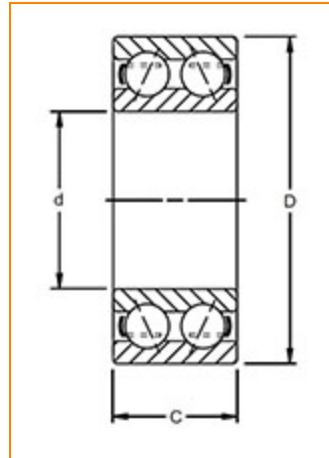
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Part Number 3309 AJ/C3, Timken® Double Row Angular Contact Ball Bearings (3200, 3300)



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## Dimensions

|                           |                        |
|---------------------------|------------------------|
| <b>d - Bore</b>           | 45.00 mm<br>1.7717 in  |
| <b>D - Outer Diameter</b> | 100.00 mm<br>3.9370 in |
| <b>C - Ring Width</b>     | 39.7 mm<br>1.5630 in   |
| <b>Contact Angle</b>      | 30 °                   |

## Specifications

|                  |       |
|------------------|-------|
| <b>Features</b>  | Open  |
| <b>Ball Type</b> | STEEL |

|                |                     |
|----------------|---------------------|
| Cage Type      | Pressed             |
| Cage Material  | Steel               |
| Bearing Weight | 1.33 Kg<br>2.930 lb |
| Design Units   | METRIC              |

## Basic Load Ratings

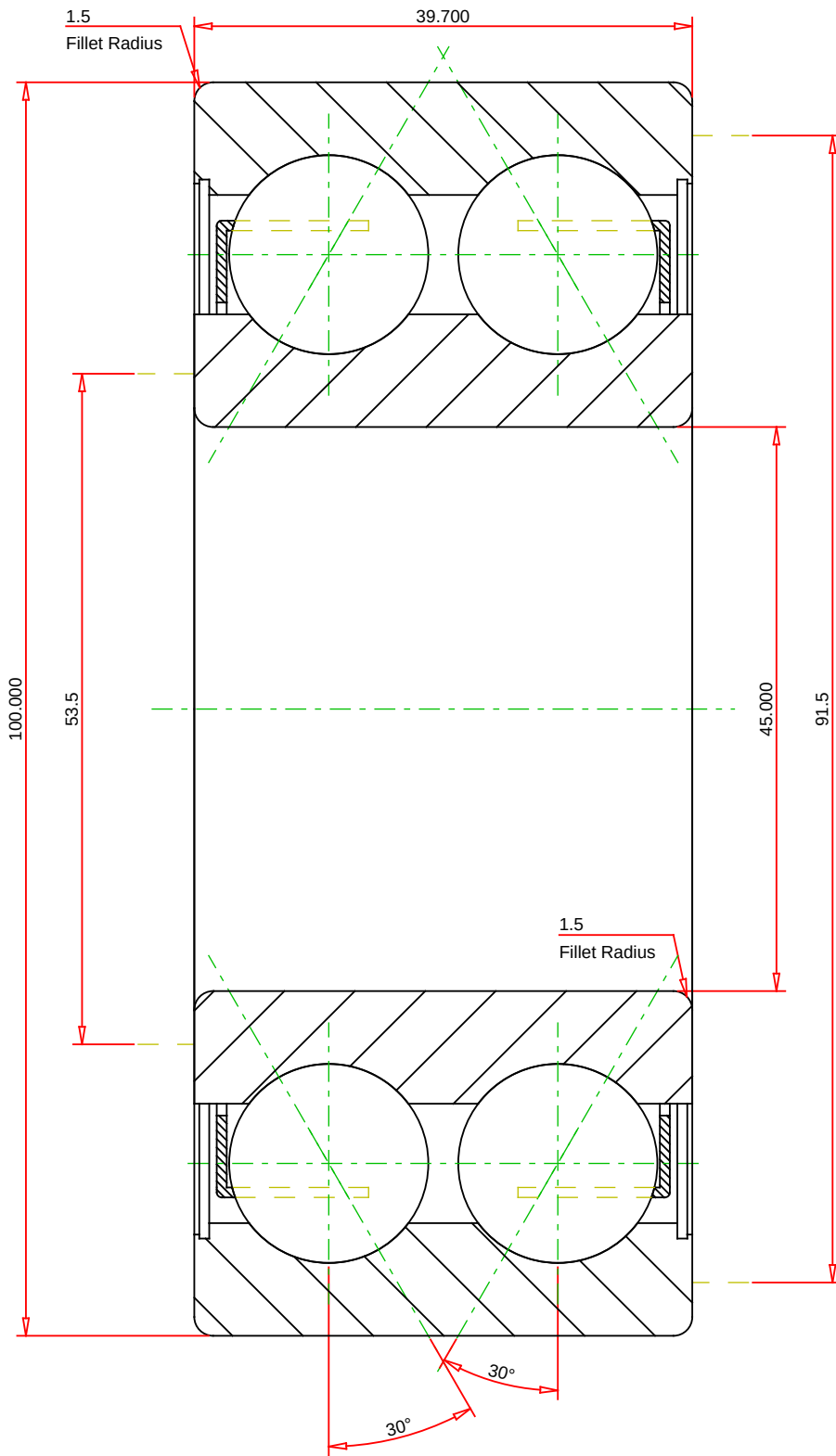
|                                |                      |
|--------------------------------|----------------------|
| C0 - Static Radial Rating      | 49600 N<br>11148 lbf |
| C1 ISO - Dynamic Radial Rating | 66400 N<br>14924 lbf |

## Abutment and Fillet Dimensions

|                                               |                     |
|-----------------------------------------------|---------------------|
| R - Inner Ring "To Clear" Radius <sup>1</sup> | 1.50 mm<br>0.059 in |
| r - Outer Ring "To Clear" Radius <sup>2</sup> | 1.50 mm<br>0.059 in |
| da - Inner Ring Backing Diameter              | 53.5 mm<br>2.106 in |
| Da - Outer Ring Backing Diameter              | 91.5 mm<br>3.602 in |

<sup>1</sup> Maximum housing fillet radius that bearing corners will clear.

<sup>2</sup> Maximum shaft fillet radius that bearing corners will clear.



## METRIC UNITS

Number of Balls Per Row  
Bearing Weight

16  
1.330 kg

**TIMKEN**

**THE TIMKEN COMPANY**  
NORTH CANTON, OHIO USA

**3309 AJ/C3**

Timken® Double Row Angular Contact Ball Bearings  
(3200, 3300)

Dynamic Load Rating  
Static Load Rating

66400 N  
49600 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**