


**The Timken Company**

4500 Mt Pleasant St. NW

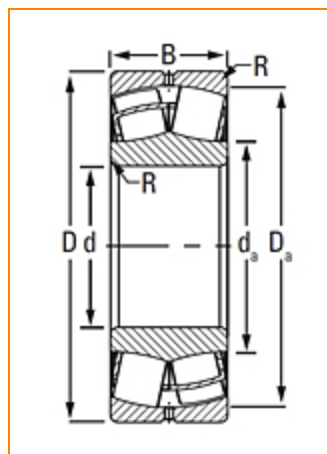
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## Part Number 22317EJW33, Spherical Roller Bearings - Steel Cage

Spherical bearings are designed to manage high radial loads even when misalignment, poor lubrication, contamination, extreme speeds or critical application stresses are present.



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### Specifications

UPC Code	087796026650
Design Unit	Metric
d - Bore	85 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	22317CJW33

### Factors


 e - ISO Factor<sup>1</sup>

0.32

<b>Y0 - ISO Factor<sup>2</sup></b>	2.06
<b>Y1 - ISO Factor<sup>3</sup></b>	2.11
<b>Y2 - ISO Factor<sup>4</sup></b>	3.14
<b>Reference Thermal Speed Rating (Grease)</b>	3000 rpm
<b>Reference Thermal Speed Rating (Oil)<sup>5</sup></b>	3500 rpm
<b>Cg - Geometry Factor<sup>6</sup></b>	0.0662

## Dimensions

<b>D - Outer Diameter</b>	180 mm 7.0866 in
<b>B' - Inner Ring Width</b>	60 mm 2.3622 in
<b>B - Outer Ring Width</b>	60 mm 2.3622 in

## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>7</sup></b>	2.5 mm 0.100 in
<b>r - Outer Ring "To Clear" Radius<sup>8</sup></b>	2.5 mm 0.1 in
<b>da - Inner Ring Backing Diameter</b>	110.000 mm 4.3000 in
<b>Da - Outer Ring Backing Diameter</b>	162.000 mm 6.400 in

## Basic Load Ratings

<b>C0 - Static Radial Rating</b>	584000 N 131000 lbf
<b>C1(2) - Dynamic Radial Rating (Two-Rows)</b>	543000 N 122000 lbf

<sup>1</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>2</sup> These factors apply for both inch and metric calculations. See engineering

<sup>3</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

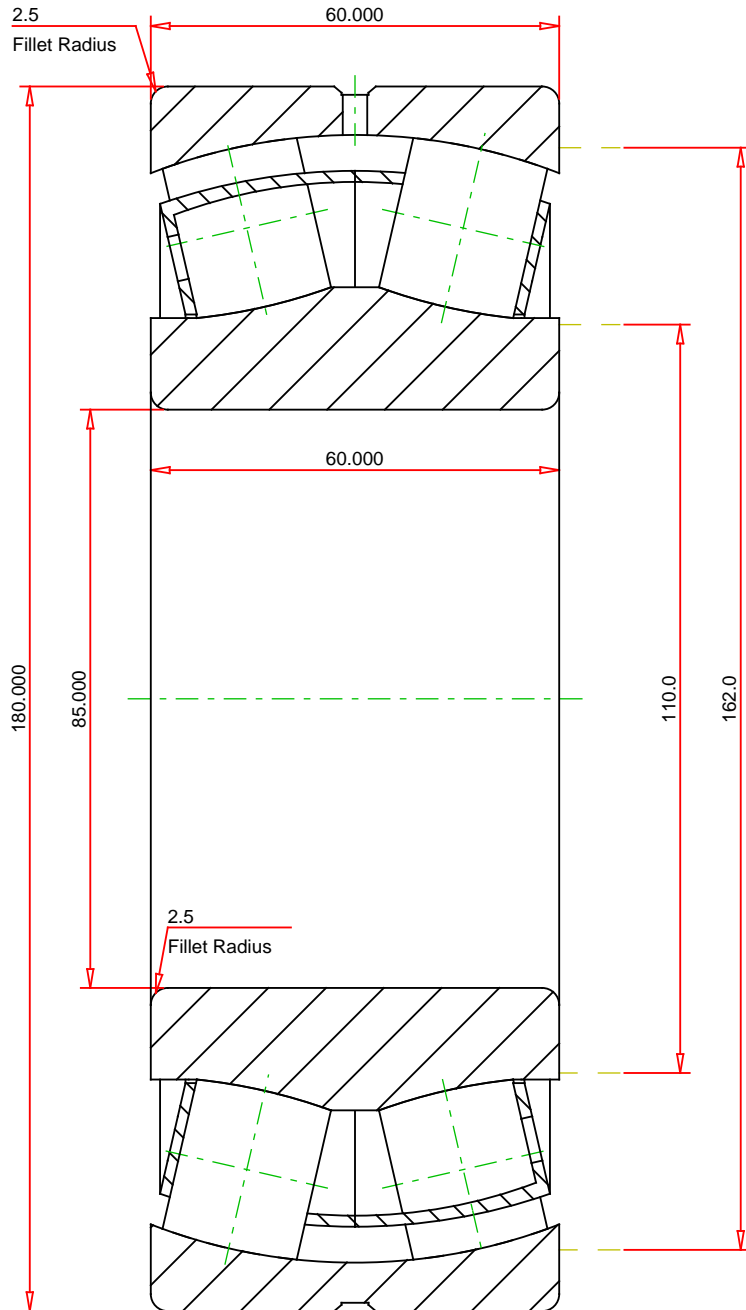
<sup>4</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>5</sup> See thermal speed ratings in the engineering section.

<sup>6</sup> Geometry constant for Lubrication Life Adjustment Factor  $a_3$ .

<sup>7</sup> Maximum housing fillet radius that bearing corners will clear.

<sup>8</sup> These maximum fillet radii will be cleared by the bearing corners.



METRIC UNITS

<div>Number of Rollers Per Row16</div> <div>ISO Factor e0.32</div> <div>ISO Factor Y02.06</div> <div>ISO Factor Y12.11</div> <div>ISO Factor Y23.14</div> <div>Bearing Weightkg</div> <div>Cage TypeEJ</div> <div>Cage MaterialSteel</div>		<div>TIMKEN®</div> <div>22317EJW33</div> <div>SRB ASSEMBLY</div>	
<div>THE TIMKEN COMPANY</div> <div>NORTH CANTON, OHIO USA</div>		<div>Dynamic Radial Rating (Two Rows)543000N</div> <div>Static Radial Rating584000N</div>	

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.

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