



**The Timken Company**

4500 Mt Pleasant St. NW

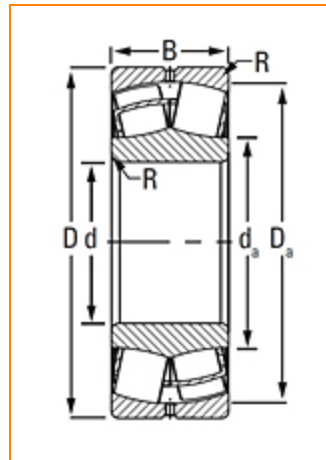
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## Part Number 22215KEJW33C4, Spherical Roller Bearings - Steel Cage

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



[Specifications](#) | [Dimensions](#) | [Abutment and Fillet Dimensions](#) | [Basic Load Ratings](#) | [Factors](#)

### Specifications

Design Unit	METRIC
Bore Taper	1/12
Bearing Weight	1.7 Kg 3.7 lb
Cage Type	EJ
UPC Code	087796169104
Cage Material	Steel
Superseded Part	22215KCJW33C4

### Dimensions

<b>d - Bore</b>	75.00 mm 2.9528 in
<b>D - Outer Diameter</b>	130.00 mm 5.1181 in
<b>B' - Inner Ring Width</b>	31 mm 1.2205 in
<b>B - Outer Ring Width</b>	31.000 mm 1.2205 in

### Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>1</sup></b>	1.50 mm 0.060 in
<b>r - Outer Ring "To Clear" Radius<sup>2</sup></b>	1.50 mm 0.060 in
<b>da - Inner Ring Backing Diameter</b>	88.000 mm 3.5000 in
<b>Da - Outer Ring Backing Diameter</b>	120.000 mm 4.700 in

### Basic Load Ratings

<b>C0 - Static Radial Rating</b>	240000 N 54100 lbf
<b>C1(2) - Dynamic Radial Rating (Two-Rows)</b>	222000 N 49900 lbf

### Factors

<b>e - ISO Factor<sup>3</sup></b>	0.22
<b>Y0 - ISO Factor<sup>4</sup></b>	3.14
<b>Y1 - ISO Factor<sup>5</sup></b>	4.67

<b>Y2 - ISO Factor<sup>6</sup></b>	3.07
<b>Reference Thermal Speed Rating (Grease)</b>	3700
<b>Reference Thermal Speed Rating (Oil)<sup>7</sup></b>	4600
<b>Cg - Geometry Factor<sup>8</sup></b>	0.0547

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

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

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

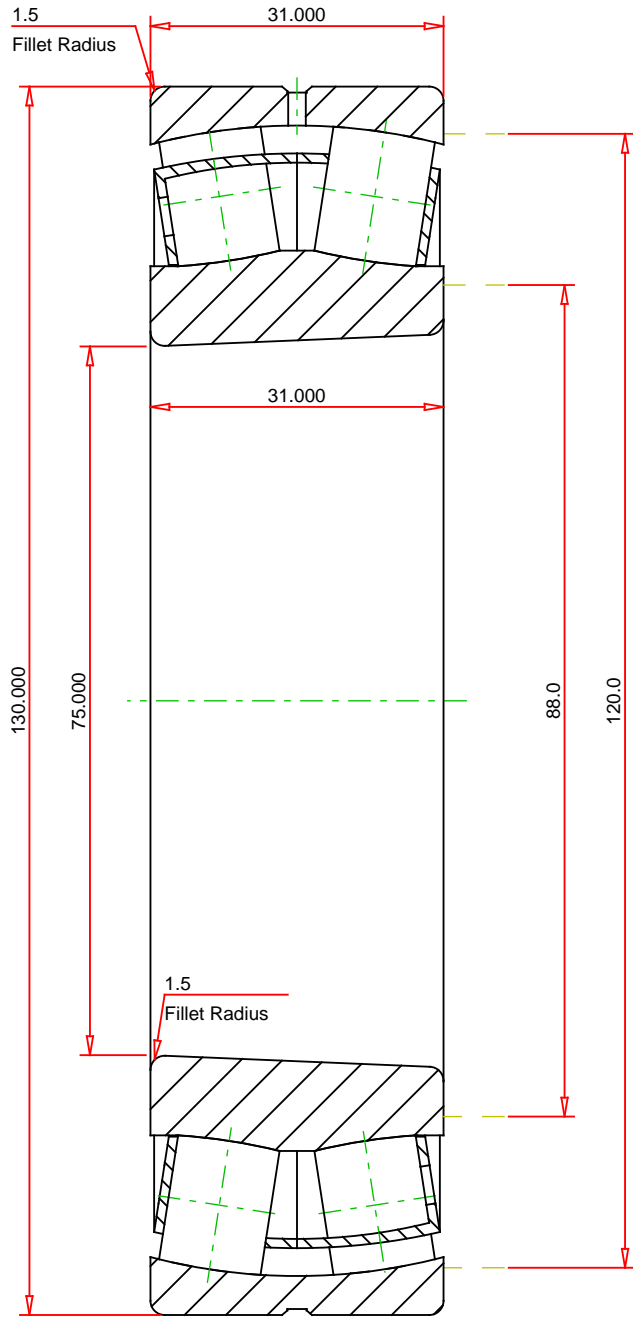
<sup>4</sup> These factors apply for both inch and metric calculations. See engineering

<sup>5</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>6</sup> These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

<sup>7</sup> See thermal speed ratings in the engineering section.

<sup>8</sup> Geometry constant for Lubrication Life Adjustment Factor a3l.



METRIC UNITS

Number of Rollers Per Row	19
ISO Factor e	0.22
ISO Factor Y0	3.14
ISO Factor Y1	4.67
ISO Factor Y2	3.07
Bearing Weight	1.7 kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/12



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

22215KEJW33C4  
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	222000	N
Static Radial Rating	240000	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