



**The Timken Company**

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## Part Number 22314KEJW33C3, 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

<b>UPC Code</b>	087796026407
<b>Design Unit</b>	Metric
<b>d - Bore</b>	70 mm
<b>Lubrication Type</b>	Standard Grease
<b>Bore_Taper</b>	1/12
<b>Cage Type</b>	EJ
<b>Cage Material</b>	Steel
<b>Superseded Part</b>	22314KCJW33C3



<b>e - ISO Factor<sup>1</sup></b>	0.33
<b>Y0 - ISO Factor<sup>2</sup></b>	2.02
<b>Y1 - ISO Factor<sup>3</sup></b>	2.07
<b>Y2 - ISO Factor<sup>4</sup></b>	3.08
<b>Reference Thermal Speed Rating (Grease)</b>	3600 rpm
<b>Reference Thermal Speed Rating (Oil)<sup>5</sup></b>	4200 rpm
<b>Cg - Geometry Factor<sup>6</sup></b>	0.0589

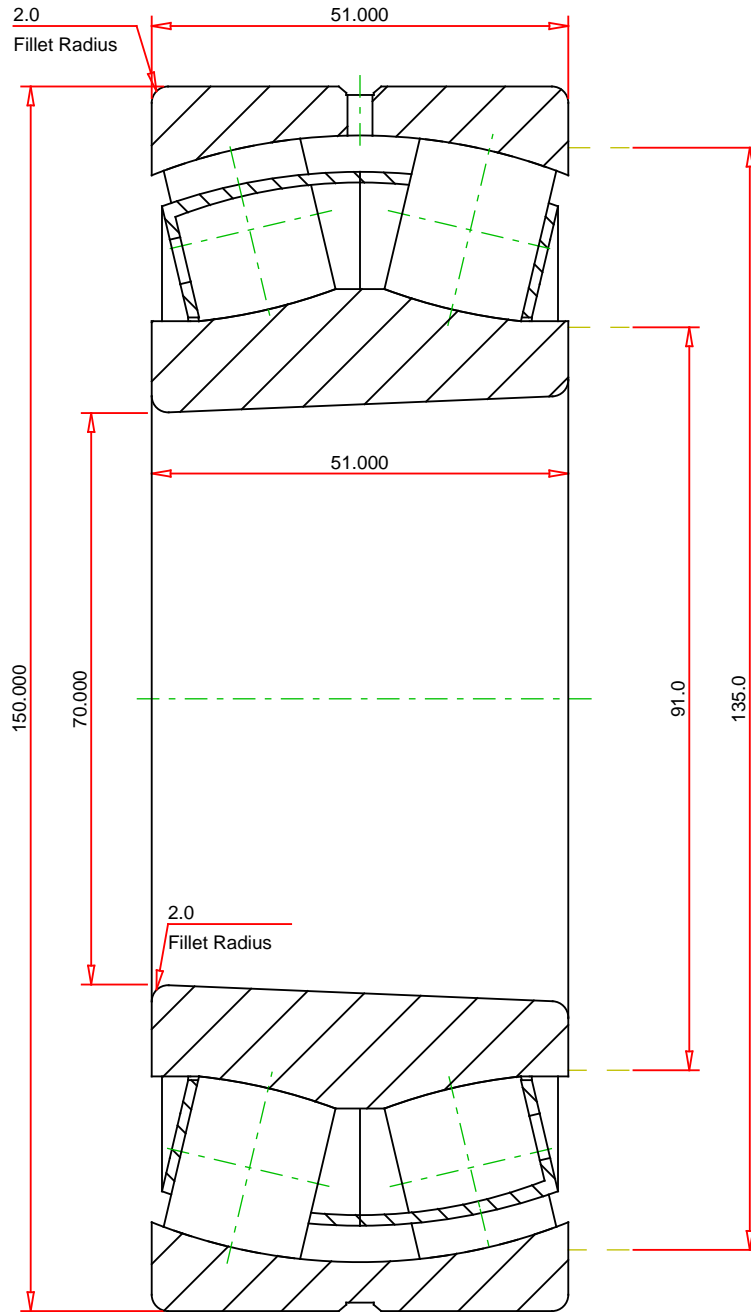
## Dimensions

<b>D - Outer Diameter</b>	150 mm 5.9055 in
<b>B' - Inner Ring Width</b>	51 mm 2.0079 in
<b>B - Outer Ring Width</b>	51 mm 2.0079 in

## Abutment and Fillet Dimensions

<b>R - Inner Ring "To Clear" Radius<sup>7</sup></b>	2 mm 0.080 in
<b>r - Outer Ring "To Clear" Radius<sup>8</sup></b>	2 mm 0.080 in
<b>da - Inner Ring Backing Diameter</b>	91 mm 3.6000 in
<b>Da - Outer Ring Backing Diameter</b>	135.000 mm 5.300 in





METRIC UNITS

Number of Rollers Per Row	15
ISO Factor e	0.33
ISO Factor Y0	2.02
ISO Factor Y1	2.07
ISO Factor Y2	3.08
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/12



22314KEJW33C3  
SRB ASSEMBLY

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

Dynamic Radial Rating (Two Rows)	395000	N
Static Radial Rating	414000	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**