



The Timken Company

4500 Mt Pleasant St. NW

N. Canton, OH 44720

Phone: (234) 262-3000

E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 23022KEJW33, 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	087796231542
Design Unit	Metric
d - Bore	110 mm
Lubrication Type	Standard Grease
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	23022KCJW33



e - ISO Factor ¹	0.23
Y0 - ISO Factor ²	2.84
Y1 - ISO Factor ³	2.9
Y2 - ISO Factor ⁴	4.32
Reference Thermal Speed Rating (Grease)	2900 rpm
Reference Thermal Speed Rating (Oil) ⁵	3600 rpm
Cg - Geometry Factor ⁶	0.0707

Dimensions

D - Outer Diameter	170 mm
B' - Inner Ring Width	45 mm
B - Outer Ring Width	45 mm

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius ⁷	2 mm
r - Outer Ring "To Clear" Radius ⁸	2 mm
da - Inner Ring Backing Diameter	125 mm
Da - Outer Ring Backing Diameter	158.0 mm

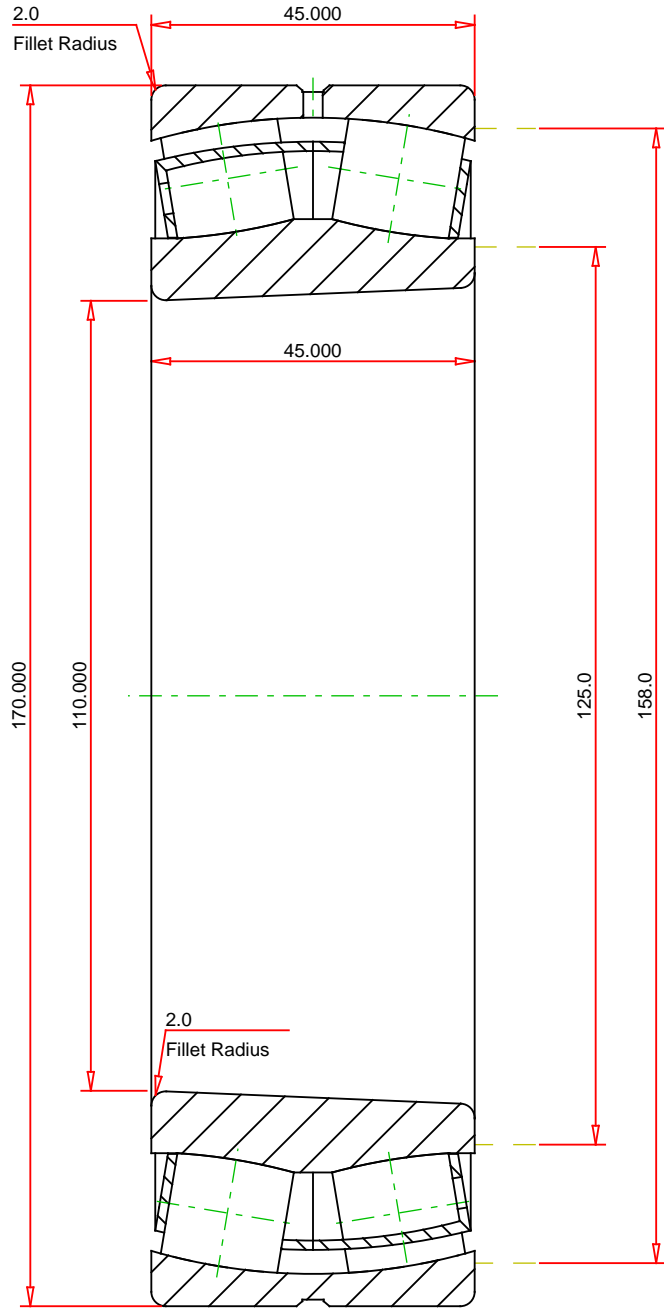
Basic Load Ratings

C0 - Static Radial Rating	534000 N
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**C1(2) - Dynamic Radial Rating
(Two-Rows)**

391000 N

- ¹ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
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- ⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
- ⁵ See thermal speed ratings in the engineering section.
- ⁶ Geometry constant for Lubrication Life Adjustment Factor a_3 .
- ⁷ Maximum housing fillet radius that bearing corners will clear.
- ⁸ These maximum fillet radii will be cleared by the bearing corners.



METRIC UNITS

Number of Rollers Per Row	25
ISO Factor e	0.23
ISO Factor Y0	2.84
ISO Factor Y1	2.90
ISO Factor Y2	4.32
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/12

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

23022KEJW33	
SRB ASSEMBLY	
Dynamic Radial Rating (Two Rows)	391000 N
Static Radial Rating	534000 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.

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