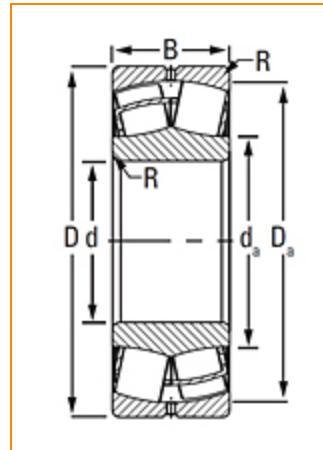




The Timken Company
 4500 Mt Pleasant St. NW
 N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 23034EJW33C4, 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](#) | [Factors](#) | [Dimensions](#) | [Abutment and Fillet Dimensions](#) | [Basic Load Ratings](#)

Specifications

UPC Code 087796356382

Design Unit Metric

d - Bore 170 mm

Lubrication Type Standard Grease

Cage Type EJ

Cage Material Steel

Superseded Part 23034CJW33C4

Factors



e - ISO Factor¹

0.22

Y0 - ISO Factor ²	2.95
Y1 - ISO Factor ³	3.02
Y2 - ISO Factor ⁴	4.49
Reference Thermal Speed Rating (Grease)	1800 rpm
Reference Thermal Speed Rating (Oil) ⁵	2200 rpm
Cg - Geometry Factor ⁶	0.0933

Dimensions

D - Outer Diameter	260 mm 10.2362 in
B' - Inner Ring Width	67 mm 2.6378 in
B - Outer Ring Width	67 mm 2.6378 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius ⁷	2 mm 0.080 in
r - Outer Ring "To Clear" Radius ⁸	2 mm 0.080 in
da - Inner Ring Backing Diameter	192.000 mm 7.6000 in
Da - Outer Ring Backing Diameter	242 mm 9.500 in

Basic Load Ratings

C0 - Static Radial Rating1250000 N
282000 lbf**C1(2) - Dynamic Radial Rating
(Two-Rows)**858000 N
193000 lbf

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

² These factors apply for both inch and metric calculations. See engineering

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

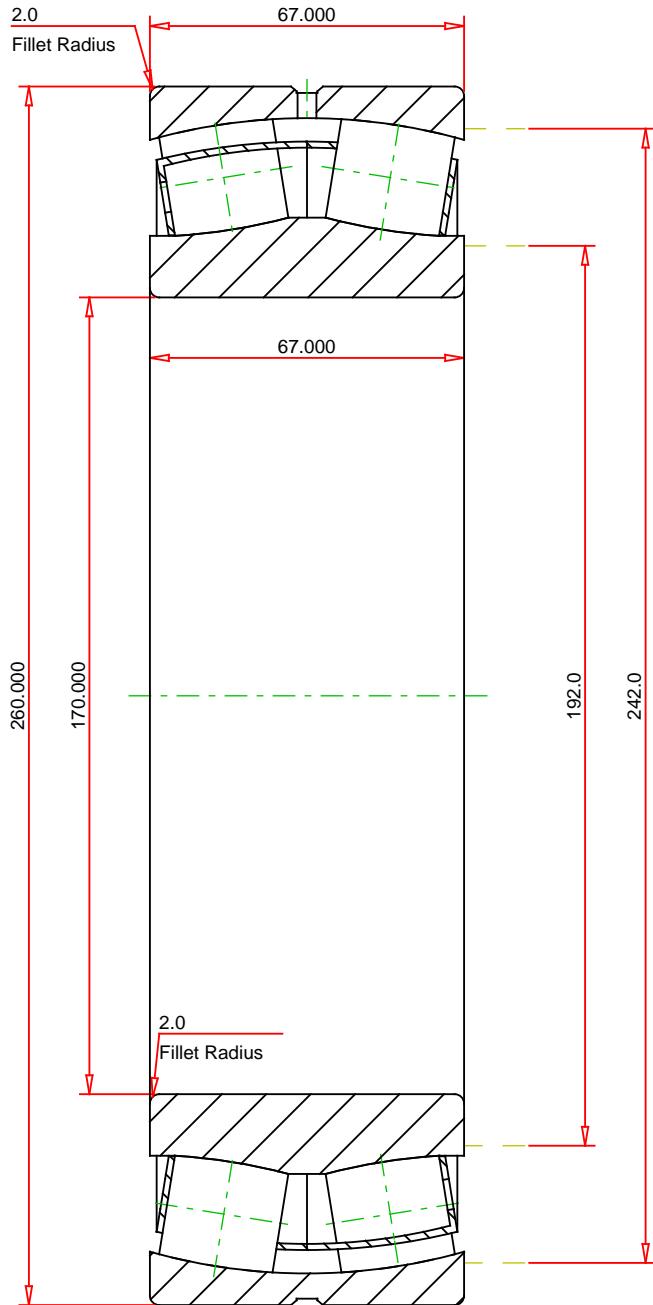
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁵ See thermal speed ratings in the engineering section.

⁶ Geometry constant for Lubrication Life Adjustment Factor a3l.

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	26	 THE TIMKEN COMPANY NORTH CANTON, OHIO USA	23034EJW33C4
ISO Factor e	0.22		SRB ASSEMBLY
ISO Factor Y0	2.95		
ISO Factor Y1	3.02		
ISO Factor Y2	4.49		
Bearing Weight			
Cage Type	EJ		
Cage Material	Steel		
	kg		
Dynamic Radial Rating (Two Rows)	858000	N	
Static Radial Rating	1250000	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