


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 23068EJW25W509C08, 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	087796176751
Design Unit	Metric
d - Bore	340.000 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	23068CJW25W509C08

Factors


e - ISO Factor¹ 0.23

Y0 - ISO Factor²	2.89
Y1 - ISO Factor³	2.96
Y2 - ISO Factor⁴	4.4
Reference Thermal Speed Rating (Grease)	800 rpm
Reference Thermal Speed Rating (Oil)⁵	930 rpm
Cg - Geometry Factor⁶	0.135

Dimensions

D - Outer Diameter	520 mm 20.472 in
B' - Inner Ring Width	133 mm 5.236 in
B - Outer Ring Width	133 mm 5.2360 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁷	4 mm 0.160 in
r - Outer Ring "To Clear" Radius⁸	4 mm 0.16 in
da - Inner Ring Backing Diameter	381.000 mm 15.000 in
Da - Outer Ring Backing Diameter	481.000 mm 18.9000 in

Basic Load Ratings

C0 - Static Radial Rating	4630000 N 1040000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	2890000 N 650000 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.

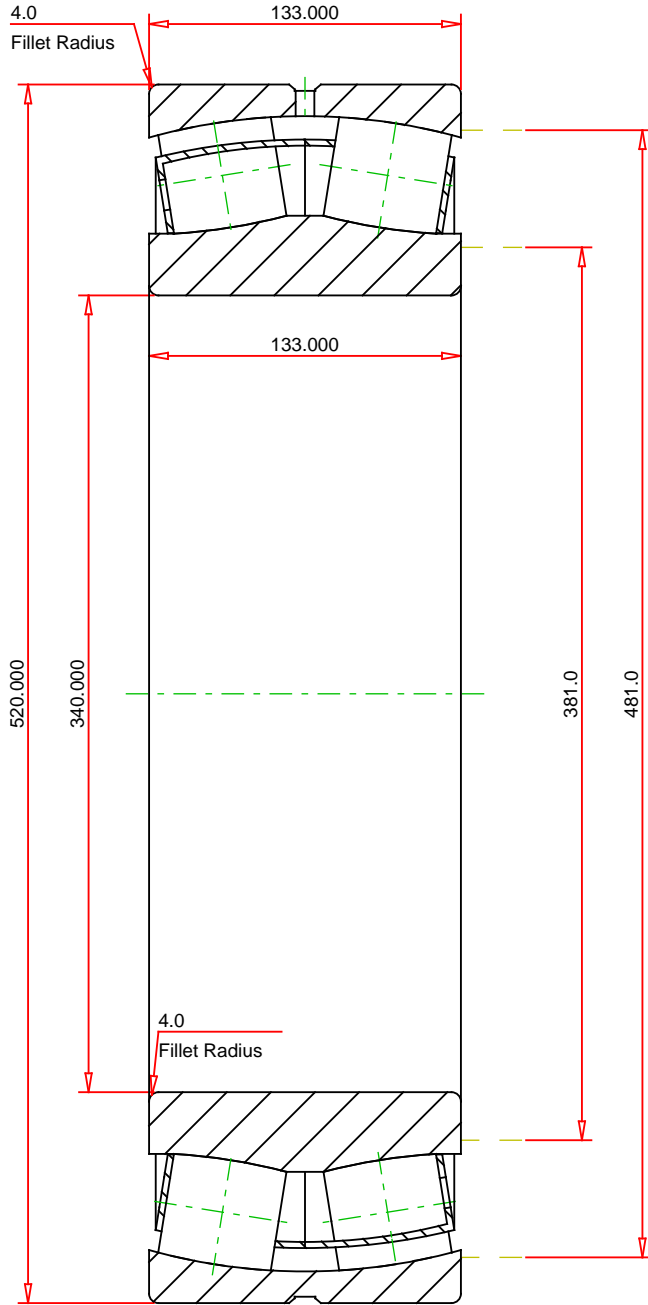
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

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
ISO Factor e	0.23
ISO Factor Y0	2.89
ISO Factor Y1	2.96
ISO Factor Y2	4.40
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

23068EJW25W509C08
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	2890000	N
Static Radial Rating	4630000	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