



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 23168KEJW507C08, 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	087796166516
Design Unit	Metric
d - Bore	340.000 mm
Lubrication Type	Standard Grease
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	23168KCJW507C08



e - ISO Factor¹	0.3
Y0 - ISO Factor²	2.17
Y1 - ISO Factor³	2.22
Y2 - ISO Factor⁴	3.3
Reference Thermal Speed Rating (Grease)	570 rpm
Reference Thermal Speed Rating (Oil)⁵	630 rpm
Cg - Geometry Factor⁶	0.1383

Dimensions

D - Outer Diameter	580 mm 22.8350 in
B' - Inner Ring Width	190 mm 7.48 in
B - Outer Ring Width	190 mm 7.48 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	395.000 mm 15.500 in
Da - Outer Ring Backing Diameter	526.000 mm 20.7000 in

Basic Load Ratings

C0 - Static Radial Rating	6850000 N 1540000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	4500000 N 1010000 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.

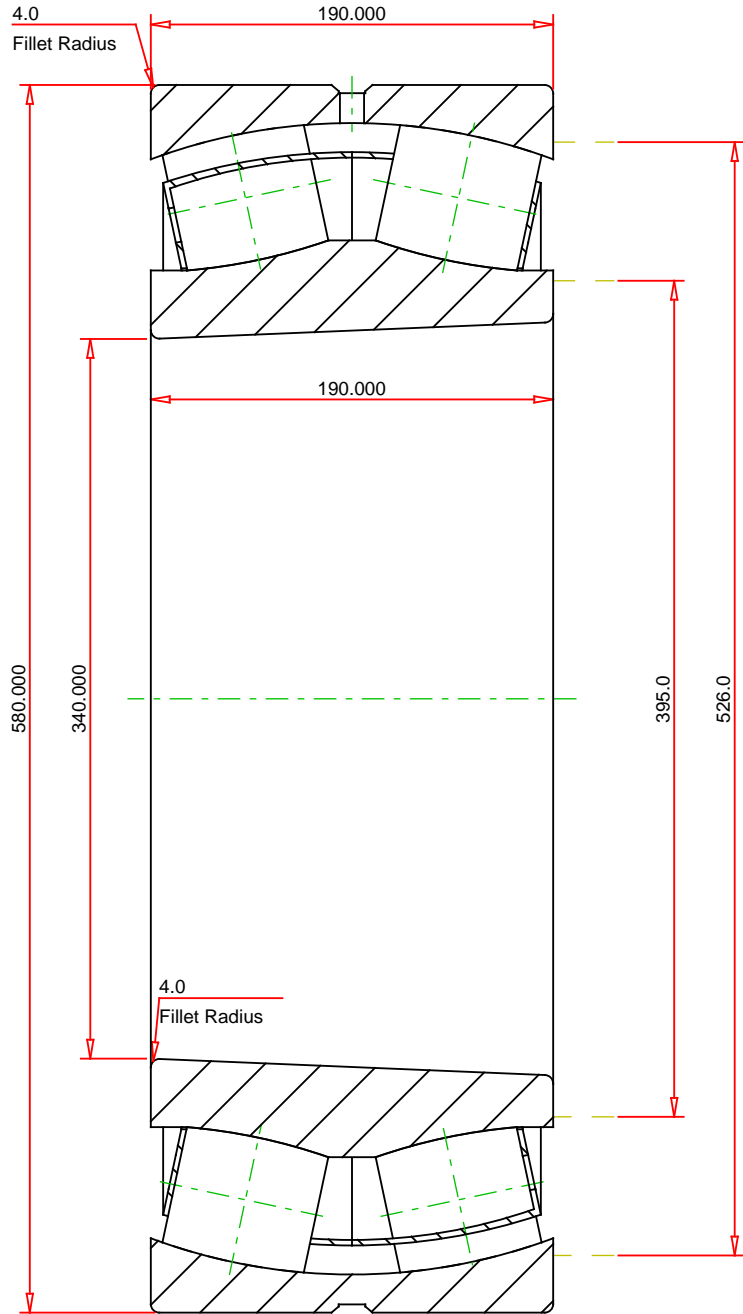
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

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	21
ISO Factor e	0.30
ISO Factor Y0	2.17
ISO Factor Y1	2.22
ISO Factor Y2	3.30
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/12

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

23168KEJW507C08
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	4500000	N
Static Radial Rating	6850000	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