



The Timken Company

4500 Mt Pleasant St. NW

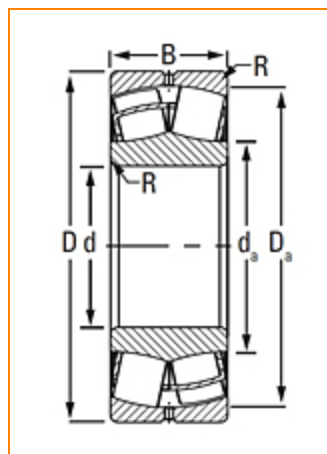
N. Canton, OH 44720

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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](#) | [Dimensions](#) | [Abutment and Fillet Dimensions](#) | [Basic Load Ratings](#) | [Factors](#)

Specifications

UPC Code	087796166516
Design Unit	Metric
d - Bore	340 mm
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	23168KCJW507C08

Dimensions



D - Outer Diameter 580 mm
22.835 in

B' - Inner Ring Width 190 mm
7.48 in

B - Outer Ring Width 190 mm
7.4800 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹ 4 mm
0.16 in

r - Outer Ring "To Clear" Radius² 4.0 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

Factors

e - ISO Factor³ 0.30

Y0 - ISO Factor⁴ 2.17

Y1 - ISO Factor⁵ 2.22

Y2 - ISO Factor⁶	3.3
Reference Thermal Speed Rating (Grease)	570 rpm
Reference Thermal Speed Rating (Oil)⁷	630 rpm
Cg - Geometry Factor⁸	0.1383

¹ Maximum housing fillet radius that bearing corners will clear.

² These maximum fillet radii will be cleared by the bearing corners.

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

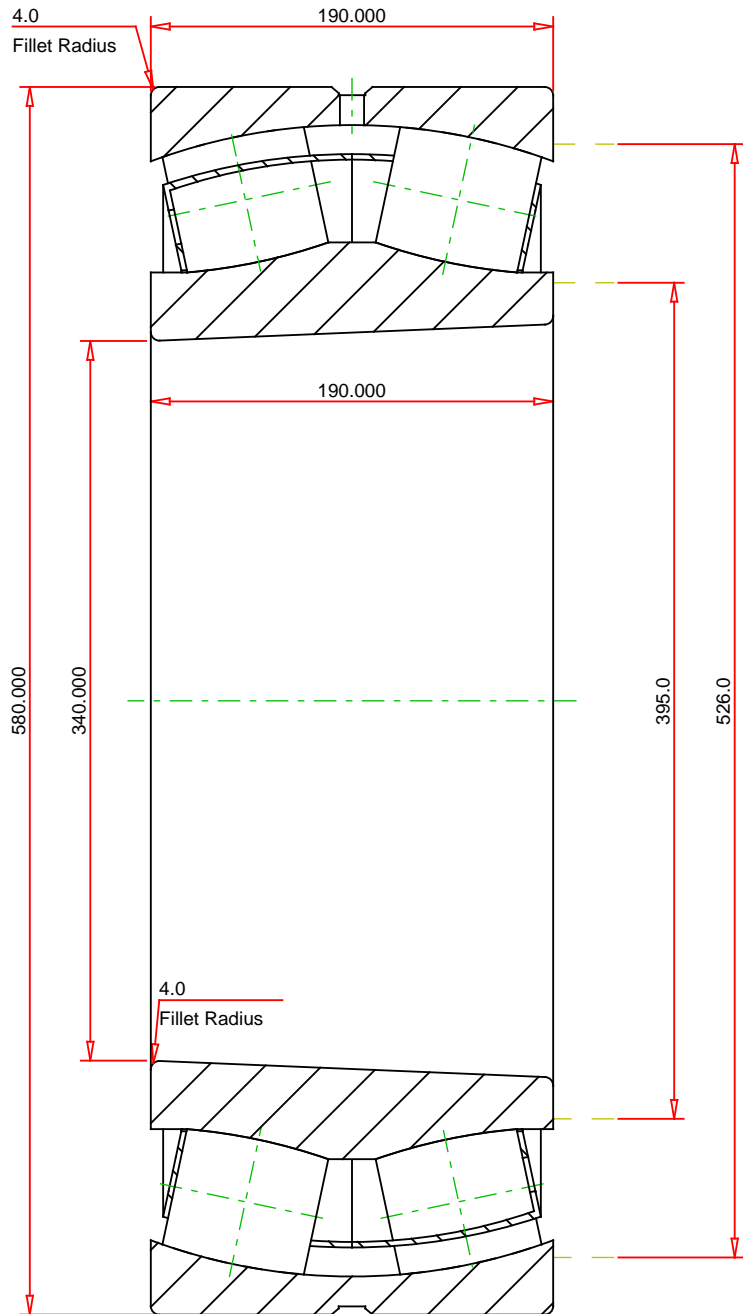
⁴ These factors apply for both inch and metric calculations. See engineering

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⁷ See thermal speed ratings in the engineering section.

⁸ Geometry constant for Lubrication Life Adjustment Factor a3l.



METRIC UNITS

Number of Rollers Per Row		21	<div>kg</div> <div>TIMKEN®</div> <div>THE TIMKEN COMPANY</div> <div>NORTH CANTON, OHIO USA</div>	23168KEJW507C08		
ISO Factor e		0.30		SRB ASSEMBLY		
ISO Factor Y0		2.17				
ISO Factor Y1		2.22				
ISO Factor Y2		3.30				
Bearing Weight						
Cage Type		EJ				
Cage Material		Steel				
Bore Taper		1/12				
				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