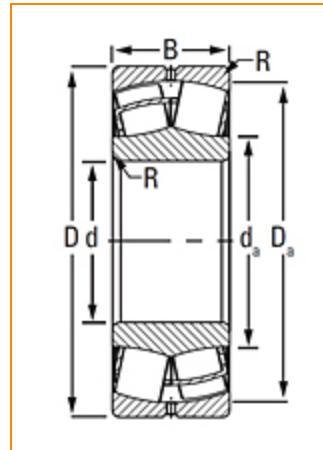




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Part Number 23168KEJW507C08, Spherical Roller Bearings - Steel Cage

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Superseded Part 23168KCJW507C08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.

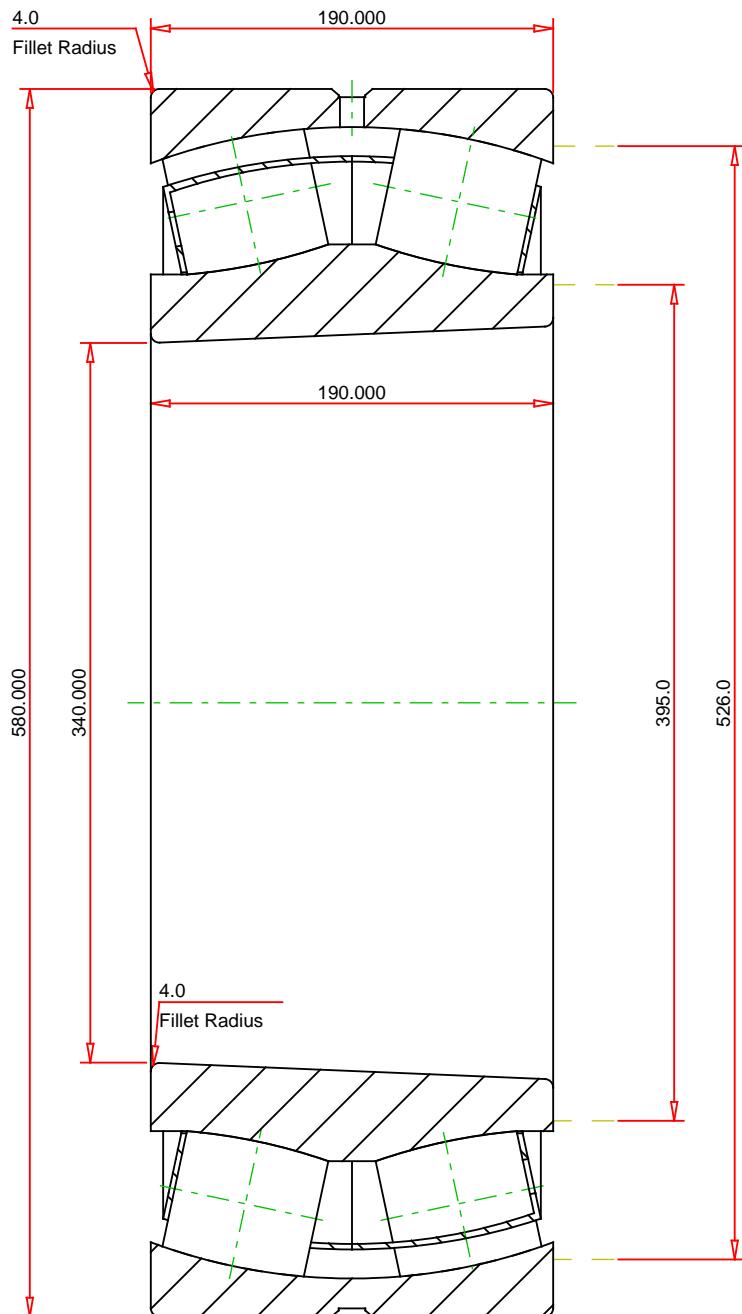
⁴ These factors apply for both inch and metric calculations. See engineering

⁵ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁶ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

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	 THE TIMKEN COMPANY NORTH CANTON, OHIO USA	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		
kg			
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