



The Timken Company

4500 Mt Pleasant St. NW

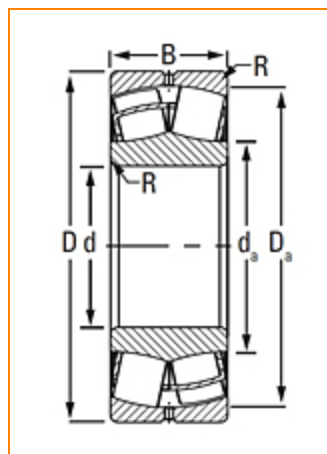
N. Canton, OH 44720

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Part Number 23168KEJW507C08C2, 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	087796167513
Design Unit	Metric
d - Bore	340 mm
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	23168KCJW507C08C2

Dimensions



D - Outer Diameter	580 mm 22.835 in
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B' - Inner Ring Width	190 mm 7.48 in
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B - Outer Ring Width	190 mm 7.4800 in
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	4 mm 0.16 in
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r - Outer Ring "To Clear" Radius²	4.0 mm 0.16 in
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da - Inner Ring Backing Diameter	395.000 mm 15.500 in
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Da - Outer Ring Backing Diameter	526.000 mm 20.7000 in
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Basic Load Ratings

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

e - ISO Factor³	0.30
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Y0 - ISO Factor⁴	2.17
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Y1 - ISO Factor⁵	2.22
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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.

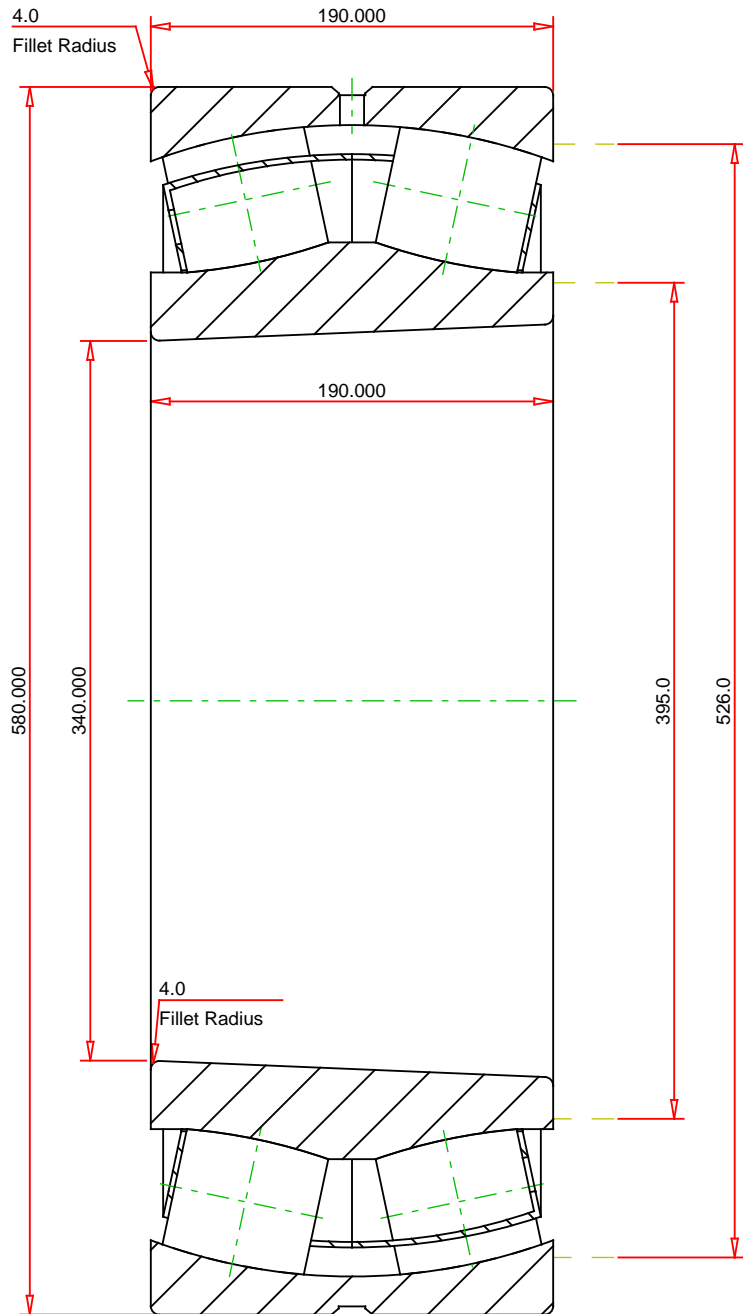
⁴ These factors apply for both inch and metric calculations. See engineering

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⁷ See thermal speed ratings in the engineering section.

⁸ Geometry constant for Lubrication Life Adjustment Factor a3l.



METRIC UNITS

<div>Number of Rollers Per Row21</div> <div>ISO Factor e0.30</div> <div>ISO Factor Y02.17</div> <div>ISO Factor Y12.22</div> <div>ISO Factor Y23.30</div> <div>Bearing Weightkg</div> <div>Cage TypeEJ</div> <div>Cage MaterialSteel</div> <div>Bore Taper1/12</div>		<div>TIMKEN®</div> <div>THE TIMKEN COMPANY</div> <div>NORTH CANTON, OHIO USA</div>	<div>23168KEJW507C08C2</div> <div>SRB ASSEMBLY</div> <div>Dynamic Radial Rating (Two Rows)4500000N</div> <div>Static Radial Rating6850000N</div>
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