


The Timken Company

4500 Mt Pleasant St. NW

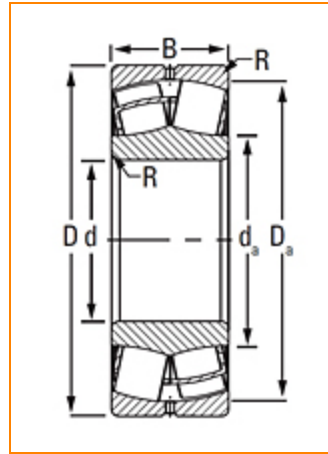
N. Canton, OH 44720

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Part Number 23148EJW507C08, 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	087796080867
Design Unit	Metric
d - Bore	240 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	23148CJW507C08

Factors



e - ISO Factor¹	0.3
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Y0 - ISO Factor²	2.23
Y1 - ISO Factor³	2.28
Y2 - ISO Factor⁴	3.4
Reference Thermal Speed Rating (Grease)	910 rpm
Reference Thermal Speed Rating (Oil)⁵	1000 rpm
Cg - Geometry Factor⁶	0.1105

Dimensions

D - Outer Diameter	400 mm 15.748 in
B' - Inner Ring Width	128 mm 5.0394 in
B - Outer Ring Width	128 mm 5.0394 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁷	3 mm 0.120 in
r - Outer Ring "To Clear" Radius⁸	3 mm 0.12 in
da - Inner Ring Backing Diameter	276.000 mm 10.9000 in
Da - Outer Ring Backing Diameter	364 mm 14.3000 in

Basic Load Ratings

C0 - Static Radial Rating	3330000 N 748000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	2280000 N 512000 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.

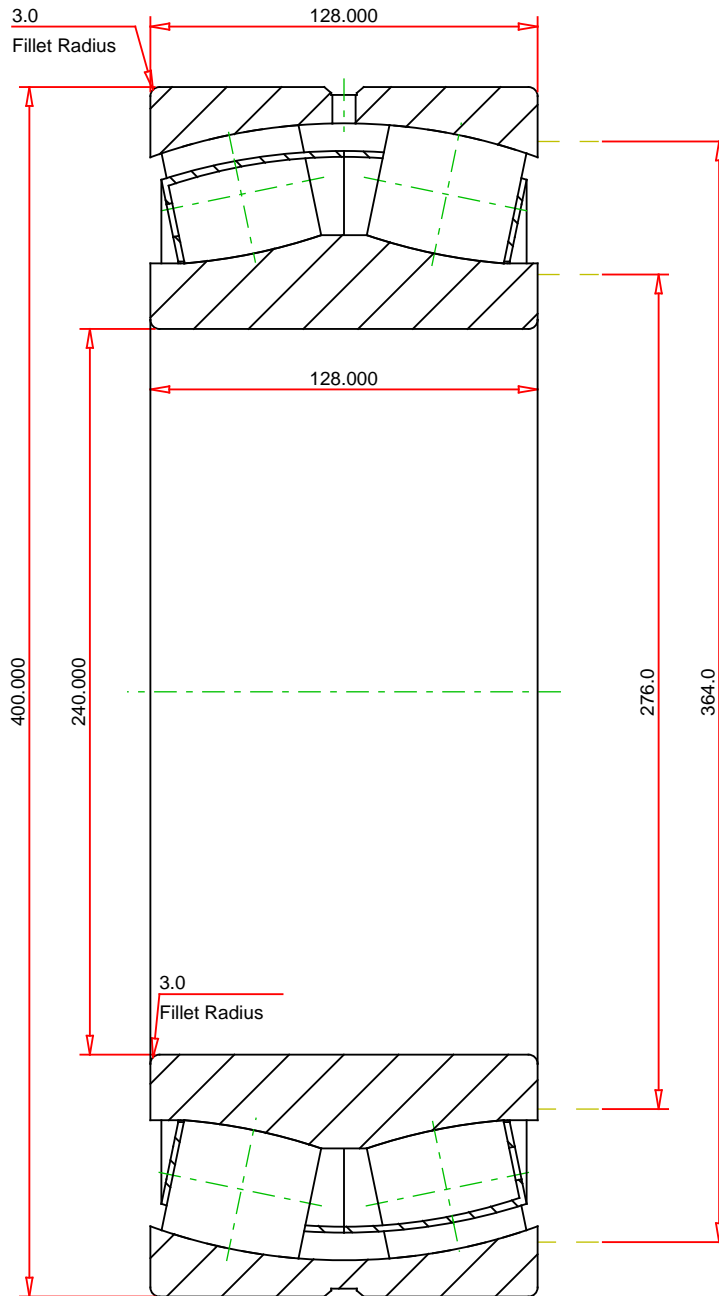
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁵ See thermal speed ratings in the engineering section.

⁶ Geometry constant for Lubrication Life Adjustment Factor a_3 .

⁷ Maximum housing fillet radius that bearing corners will clear.

⁸ These maximum fillet radii will be cleared by the bearing corners.



METRIC UNITS

<div><div>Number of Rollers Per Row21</div><div>ISO Factor e0.30</div><div>ISO Factor Y02.23</div><div>ISO Factor Y12.28</div><div>ISO Factor Y23.40</div><div>Bearing Weightkg</div><div>Cage TypeEJ</div><div>Cage MaterialSteel</div></div>	<div><div>TIMKEN®</div><div>THE TIMKEN COMPANY</div><div>NORTH CANTON, OHIO USA</div></div>	<div><div>23148EJW507C08</div><div>SRB ASSEMBLY</div></div> <div><div>Dynamic Radial Rating (Two Rows)2280000</div><div>Static Radial Rating3330000</div><div>N</div><div>N</div></div>
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FOR DISCUSSION ONLY