



The Timken Company

4500 Mt Pleasant St. NW

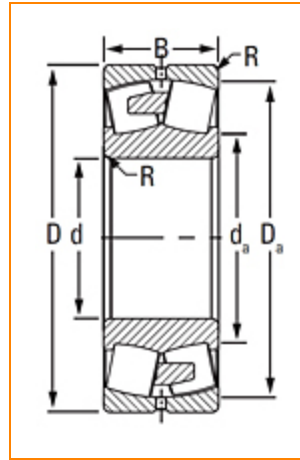
N. Canton, OH 44720

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Part Number 230/600YMBW507C08, Spherical Roller Bearings - Brass 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

Design Unit	METRIC
Bearing Weight	395.000 Kg 869.00 lb
Cage Type	YMB
UPC Code	087796177840
Cage Material	Brass

Dimensions

d - Bore	600.000 mm 23.6220 in
D - Outer Diameter	870.000 mm 34.2520 in

34.2520 in

B' - Inner Ring Width
200 mm
7.874 in

B - Outer Ring Width
200.000 mm
7.8740 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹
5.000 mm
0.200 in

r - Outer Ring "To Clear" Radius²
5.000 mm
0.200 in

da - Inner Ring Backing Diameter
664.000 mm
26.100 in

Da - Outer Ring Backing Diameter
811.000 mm
31.900 in

Basic Load Ratings

C0 - Static Radial Rating
11700000 N
2630000 lbf

C1(2) - Dynamic Radial Rating (Two-Rows)
6040000 N
1360000 lbf

Factors

e - ISO Factor³
0.21

Y0 - ISO Factor⁴
3.2

Y1 - ISO Factor⁵
3.27

Y2 - ISO Factor⁶
4.87

Reference Thermal Speed Rating
400

(Grease)	400
Reference Thermal Speed Rating (Oil) ⁷	450
Cg - Geometry Factor ⁸	0.1173

¹ Maximum housing fillet radius that bearing corners will clear.

² Maximum shaft fillet radius that bearing corners will clear.

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

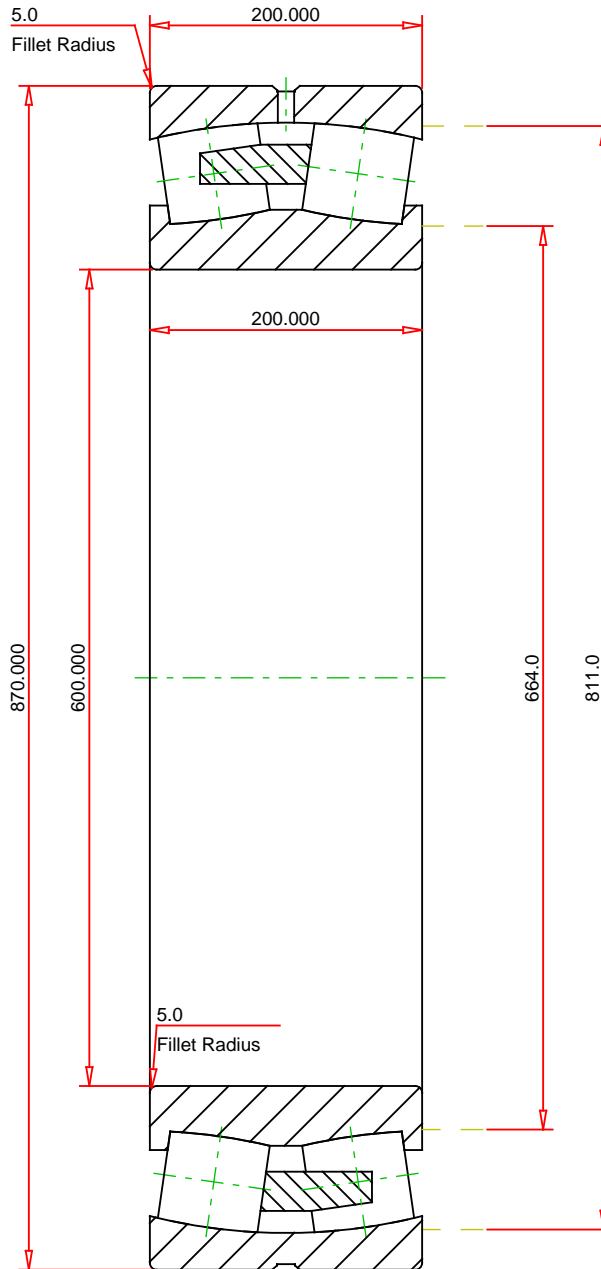
⁴ These factors apply for both inch and metric calculations. See engineering

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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 Row28</div> <div>ISO Factor e0.21</div> <div>ISO Factor Y03.20</div> <div>ISO Factor Y13.27</div> <div>ISO Factor Y24.87</div> <div>Bearing Weight395.0 kg</div> <div>Cage TypeYMB</div> <div>Cage MaterialBrass</div>		<div>TIMKEN®</div> <div>THE TIMKEN COMPANY</div> <div>NORTH CANTON, OHIO USA</div>	<div>230/600YMBW507C08</div> <div>SRB ASSEMBLY</div> <div>Dynamic Radial Rating (Two Rows)6040000 N</div> <div>Static Radial Rating11700000 N</div>
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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