


The Timken Company

4500 Mt Pleasant St. NW

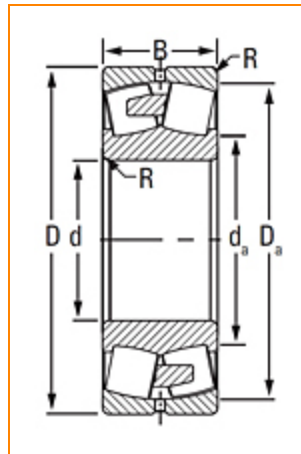
N. Canton, OH 44720

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Part Number 23332EMBW33C3, 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.



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Specifications

Design Unit	Metric
d - Bore	160 mm
Cage Type	EMB
Cage Material	Brass
Superseded Part	23332YMBW33C3

Dimensions

D - Outer Diameter	340 mm 13.3858 in
 - Inner Ring Width	136 mm 5.3543 in

B - Outer Ring Width

136 mm
5.3543 in

Abutment and Fillet Dimensions**R - Inner Ring "To Clear" Radius¹**

3 mm
0.120 in

r - Outer Ring "To Clear" Radius²

3 mm
0.12 in

da - Inner Ring Backing Diameter

202 mm
8.0000 in

Da - Outer Ring Backing Diameter

297.000 mm
11.700 in

Basic Load Ratings**C0 - Static Radial Rating**

2530000 N
568000 lbf

C1(2) - Dynamic Radial Rating (Two-Rows)

2000000 N
449000 lbf

Factors**e - ISO Factor³**

0.42

Y0 - ISO Factor⁴

1.58

Y1 - ISO Factor⁵

1.62

Y2 - ISO Factor⁶

2.41

Reference Thermal Speed Rating (Grease)

900 rpm

Reference Thermal Speed Rating (Oil)⁷

990 rpm

Cg - Geometry Factor⁸

0.0914

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.

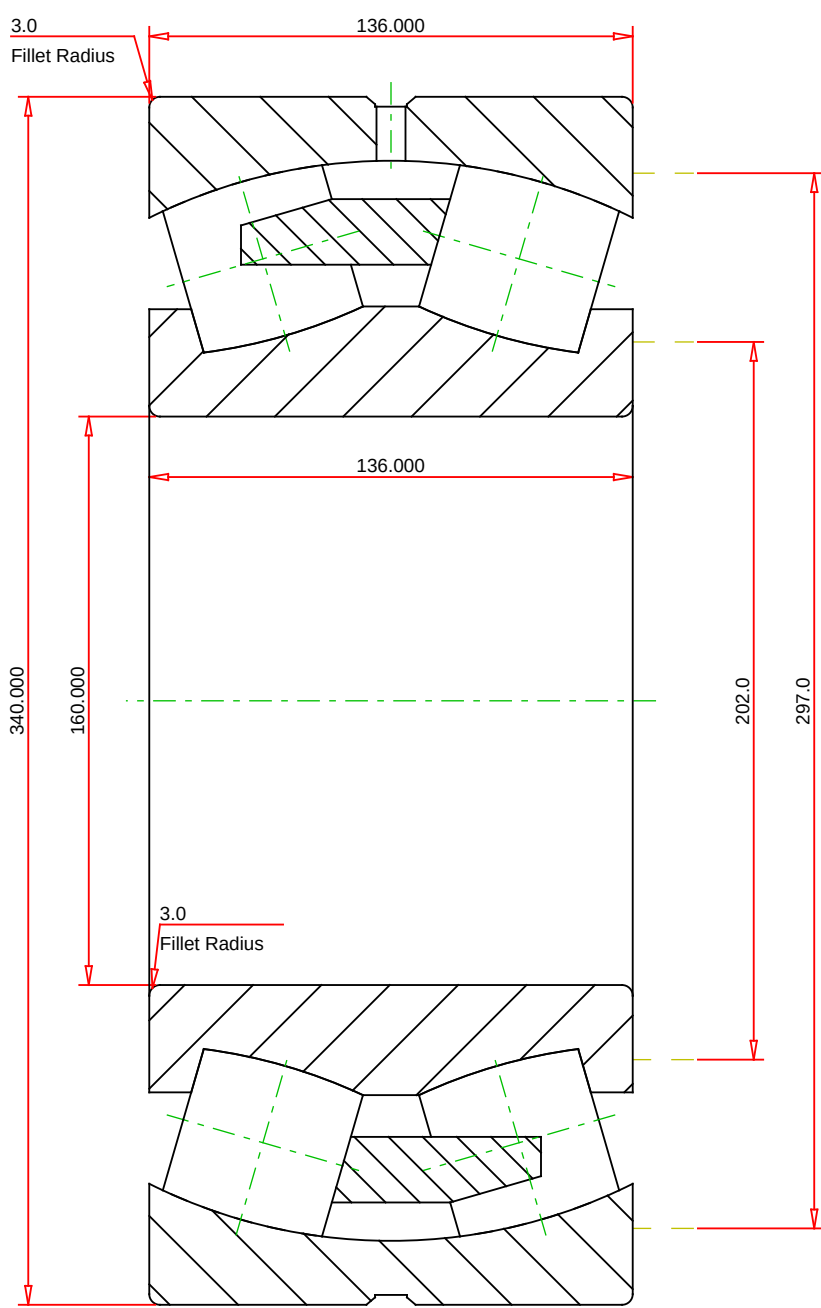
⁴ These factors apply for both inch and metric calculations. See engineering

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⁷ See thermal speed ratings in the engineering section.

⁸ Geometry constant for Lubrication Life Adjustment Factor a_3 .



METRIC UNITS

Number of Rollers Per Row16 ISO Factor e0.42 ISO Factor Y01.58 ISO Factor Y11.62 ISO Factor Y22.41 Bearing Weight61.2 kg Cage TypeEMB Cage MaterialBrass		TIMKEN® THE TIMKEN COMPANY NORTH CANTON, OHIO USA		23332EMBW33C3 SRB ASSEMBLY Dynamic Radial Rating (Two Rows)2000000 N Static Radial Rating2530000 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	