



The Timken Company

4500 Mt Pleasant St. NW

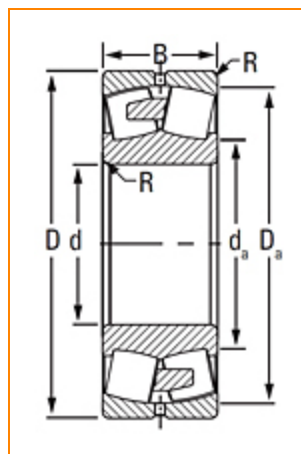
N. Canton, OH 44720

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Part Number 26344EMBW33W45AC3, 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
d - Bore	220 mm
Cage Type	EMB
Cage Material	Brass
Superseded Part	26344YMBW33W45AC3

Dimensions

D - Outer Diameter	420 mm 16.535 in
 - Inner Ring Width	138 mm 5.433 in

B - Outer Ring Width

138 mm
5.4330 in

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

4 mm
0.160 in

r - Outer Ring "To Clear" Radius²

4 mm
0.16 in

da - Inner Ring Backing Diameter

265 mm
10.420 in

Da - Outer Ring Backing Diameter

372.000 mm
14.630 in

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

3260000 N
733000 lbf

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

2480000 N
558000 lbf

Factors**e - ISO Factor³**

0.33

Y0 - ISO Factor⁴

1.99

Y1 - ISO Factor⁵

2.04

Y2 - ISO Factor⁶

3.03

Reference Thermal Speed Rating (Grease)

640 rpm

Reference Thermal Speed Rating (Oil)⁷

700 rpm

Cg - Geometry Factor⁸

0.1075

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.

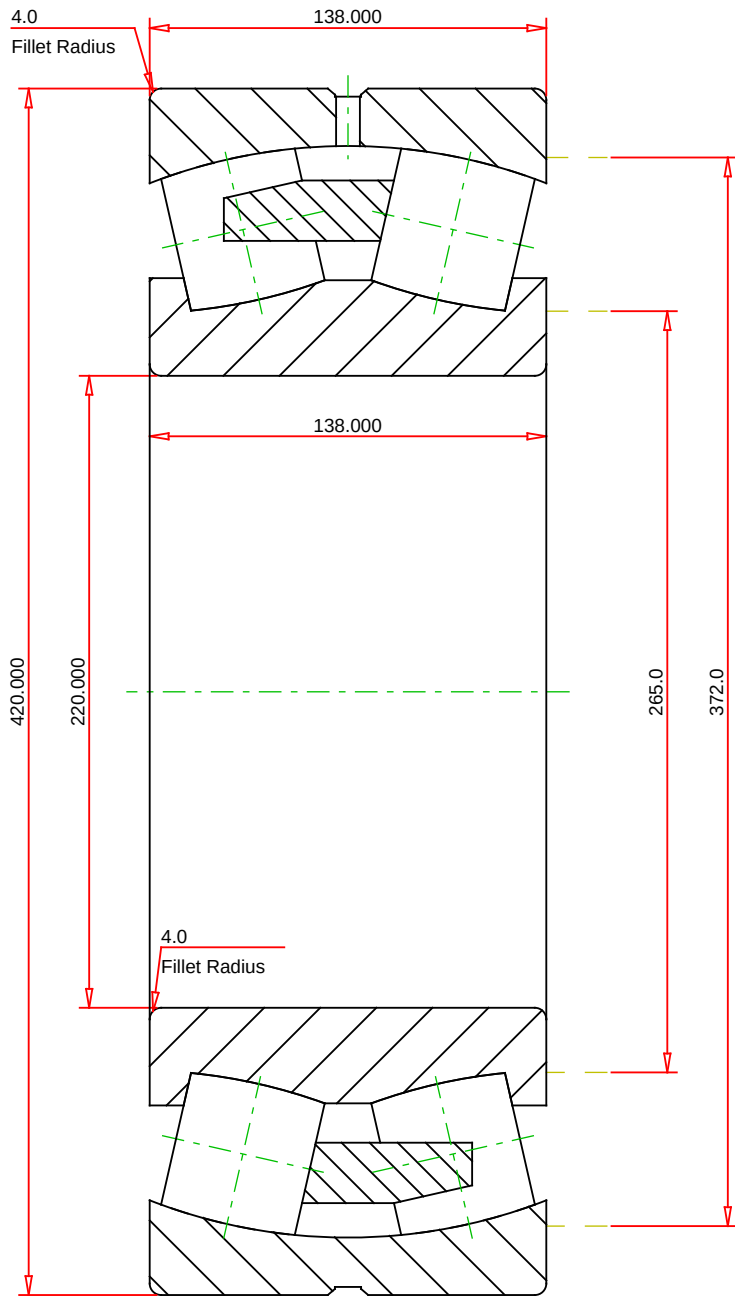
⁴ These factors apply for both inch and metric calculations. See engineering

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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 Row	18
ISO Factor e	0.33
ISO Factor Y0	1.99
ISO Factor Y1	2.04
ISO Factor Y2	3.03
Bearing Weight	88.2 kg
Cage Type	EMB
Cage Material	Brass



THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

26344EMBW33W45AC3 SRB ASSEMBLY		
Dynamic Radial Rating (Two Rows)	2480000	N
Static Radial Rating	3260000	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