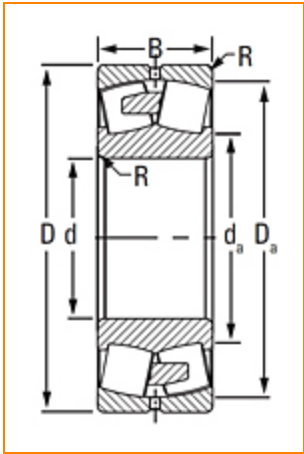




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Part Number 23332EMBW800W848AC4, Spherical Roller Bearings - Brass Cage

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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 [Basic Load Ratings](#) |
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Specifications	
Design Unit	Metric
d - Bore	160 mm
Cage Type	EMB
Cage Material	Brass
Superseded Part	23332YMBW800W848AC4

Dimensions	
D - Outer Diameter	339.993 mm 13.3856 in
 - Inner Ring Width	136 mm 5.3543 in

B - Outer Ring Width	136 mm 5.3543 in
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	3 mm 0.120 in
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r - Outer Ring "To Clear" Radius²	3 mm 0.12 in
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da - Inner Ring Backing Diameter	202 mm 8.0000 in
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Da - Outer Ring Backing Diameter	297.000 mm 11.700 in
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Basic Load Ratings

C0 - Static Radial Rating	2530000 N 568000 lbf
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C1(2) - Dynamic Radial Rating (Two-Rows)	2000000 N 449000 lbf
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Factors

e - ISO Factor³	0.42
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Y0 - ISO Factor⁴	1.58
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Y1 - ISO Factor⁵	1.62
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Y2 - ISO Factor⁶	2.41
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Reference Thermal Speed Rating (Grease)	900 rpm
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Reference Thermal Speed Rating (Oil)⁷	990 rpm
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Cg - Geometry Factor⁸	0.0914
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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

⁵ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁶ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁷ See thermal speed ratings in the engineering section.

⁸ Geometry constant for Lubrication Life Adjustment Factor a3l.

