


The Timken Company

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Part Number 22226EMW33, 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	130 mm
Cage Type	EM
Cage Material	Brass
Superseded Part	22226YMW33

Dimensions

D - Outer Diameter	230 mm 9.0551 in
B - Inner Ring Width	64 mm 2.5197 in



B - Outer Ring Width	64 mm 2.5197 in
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius¹	2.5 mm 0.100 in
r - Outer Ring "To Clear" Radius²	2.5 mm 0.1 in
da - Inner Ring Backing Diameter	155 mm 6.1000 in
Da - Outer Ring Backing Diameter	210 mm 8.3000 in

Basic Load Ratings

C0 - Static Radial Rating	945000 N 212000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	757000 N 170000 lbf

Factors

e - ISO Factor³	0.26
Y0 - ISO Factor⁴	2.56
Y1 - ISO Factor⁵	2.62
Y2 - ISO Factor⁶	3.9
Reference Thermal Speed Rating (Grease)	2400 rpm
Reference Thermal Speed Rating (Oil)⁷	2900 rpm

Cg - Geometry Factor⁸

0.0819

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.

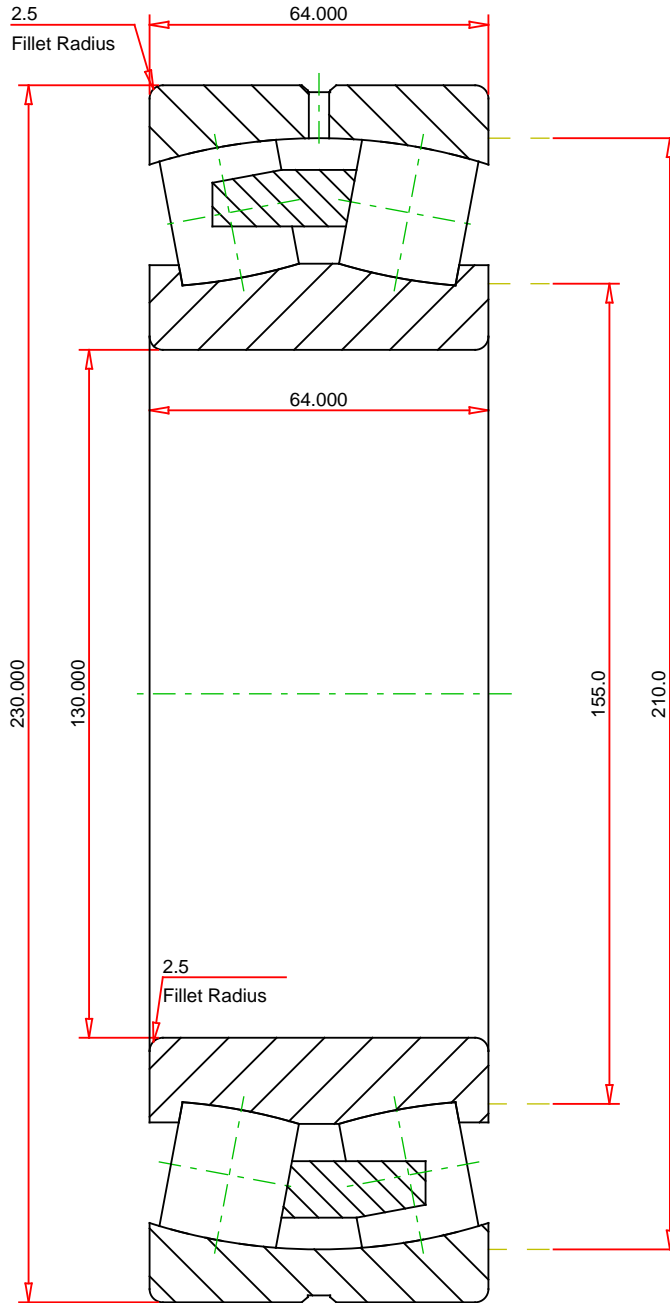
⁴ These factors apply for both inch and metric calculations. See engineering

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

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⁷ See thermal speed ratings in the engineering section.

⁸ Geometry constant for Lubrication Life Adjustment Factor a3l.



METRIC UNITS

Number of Rollers Per Row	20
ISO Factor e	0.26
ISO Factor Y0	2.56
ISO Factor Y1	2.62
ISO Factor Y2	3.90
Bearing Weight	11.3 kg
Cage Type	EM
Cage Material	Brass

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

2226EMW33 SRB ASSEMBLY	
Dynamic Radial Rating (Two Rows)	757000 N
Static Radial Rating	945000 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