


The Timken Company

4500 Mt Pleasant St. NW

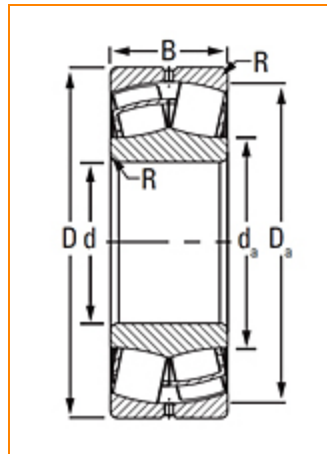
N. Canton, OH 44720

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Part Number 22232EJW33C3SLA, Spherical Roller Bearings - Steel 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](#) | [Factors](#) | [Dimensions](#) | [Abutment and Fillet Dimensions](#) | [Basic Load Ratings](#)

Specifications

UPC Code	087796069268
Design Unit	Metric
d - Bore	160 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	22232CJW33C3SLA

Factors


 e - ISO Factor¹

0.26

Y0 - ISO Factor²	2.57
Y1 - ISO Factor³	2.62
Y2 - ISO Factor⁴	3.91
Reference Thermal Speed Rating (Grease)	1900 rpm
Reference Thermal Speed Rating (Oil)⁵	2200 rpm
Cg - Geometry Factor⁶	0.0931

Dimensions

D - Outer Diameter	290 mm 11.4173 in
B' - Inner Ring Width	80 mm 3.1496 in
B - Outer Ring Width	80 mm 3.1496 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁷	2.5 mm 0.100 in
r - Outer Ring "To Clear" Radius⁸	2.5 mm 0.1 in
da - Inner Ring Backing Diameter	192.000 mm 7.5000 in
Da - Outer Ring Backing Diameter	264.000 mm 10.4000 in

Basic Load Ratings

C0 - Static Radial Rating	1370000 N 309000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	1120000 N 253000 lbf

¹ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

² These factors apply for both inch and metric calculations. See engineering

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

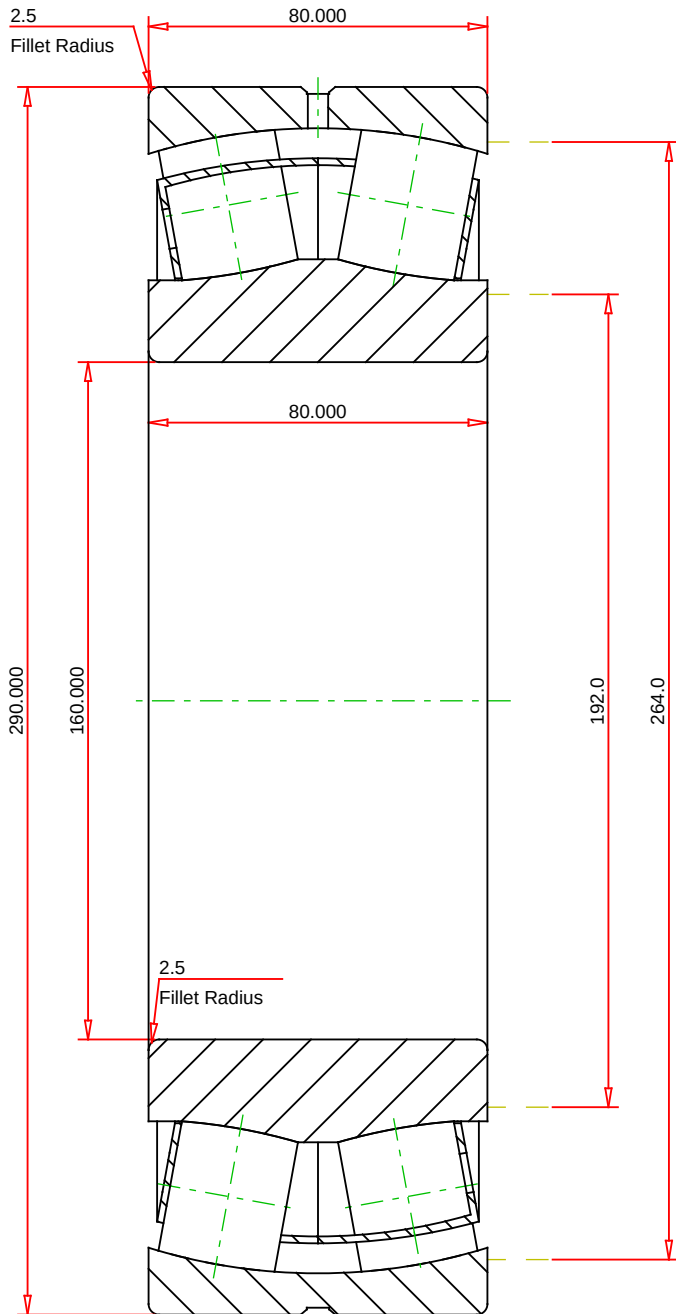
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁵ See thermal speed ratings in the engineering section.

⁶ Geometry constant for Lubrication Life Adjustment Factor a_3 .

⁷ Maximum housing fillet radius that bearing corners will clear.

⁸ These maximum fillet radii will be cleared by the bearing corners.



METRIC UNITS

Number of Rollers Per Row18 ISO Factor e0.26 ISO Factor Y02.57 ISO Factor Y12.62 ISO Factor Y23.91 Bearing Weightkg Cage TypeEJ Cage MaterialSteel	TIMKEN® THE TIMKEN COMPANY NORTH CANTON, OHIO USA	22232EJW33C3SLA SRB ASSEMBLY Dynamic Radial Rating (Two Rows)1120000N Static Radial Rating1370000N
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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