


The Timken Company

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Part Number 22226EJW33C3SLA, 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.



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Specifications

UPC Code	087796081116
Design Unit	Metric
d - Bore	130 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	22226CJW33C3SLA

Factors


e - ISO Factor¹ 0.26

Y0 - ISO Factor²	2.56
Y1 - ISO Factor³	2.62
Y2 - ISO Factor⁴	3.9
Reference Thermal Speed Rating (Grease)	2400 rpm
Reference Thermal Speed Rating (Oil)⁵	2900 rpm
Cg - Geometry Factor⁶	0.0819

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

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	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

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.

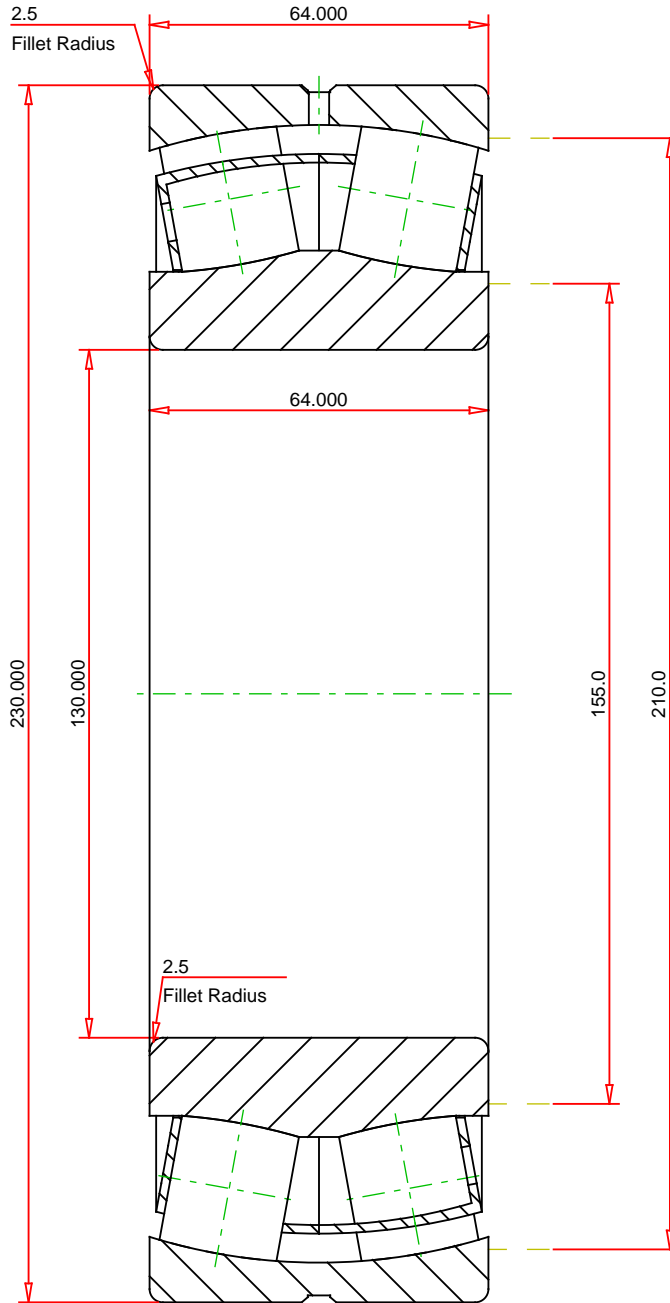
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

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 Row	20
ISO Factor e	0.26
ISO Factor Y0	2.56
ISO Factor Y1	2.62
ISO Factor Y2	3.90
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

22226EJW33C3SLA 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.

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