


The Timken Company

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Part Number 22322EJW33, 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	087796027145
Design Unit	Metric
d - Bore	110 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	22322CJW33

Factors


e - ISO Factor¹	0.32
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Y0 - ISO Factor²	2.04
Y1 - ISO Factor³	2.08
Y2 - ISO Factor⁴	3.1
Reference Thermal Speed Rating (Grease)	2100 rpm
Reference Thermal Speed Rating (Oil)⁵	2500 rpm
Cg - Geometry Factor⁶	0.0792

Dimensions

D - Outer Diameter	240 mm 9.4488 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	144.0 mm 5.7000 in
Da - Outer Ring Backing Diameter	215.000 mm 8.5000 in

Basic Load Ratings

C0 - Static Radial Rating	1050000 N 236000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	949000 N 213000 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.

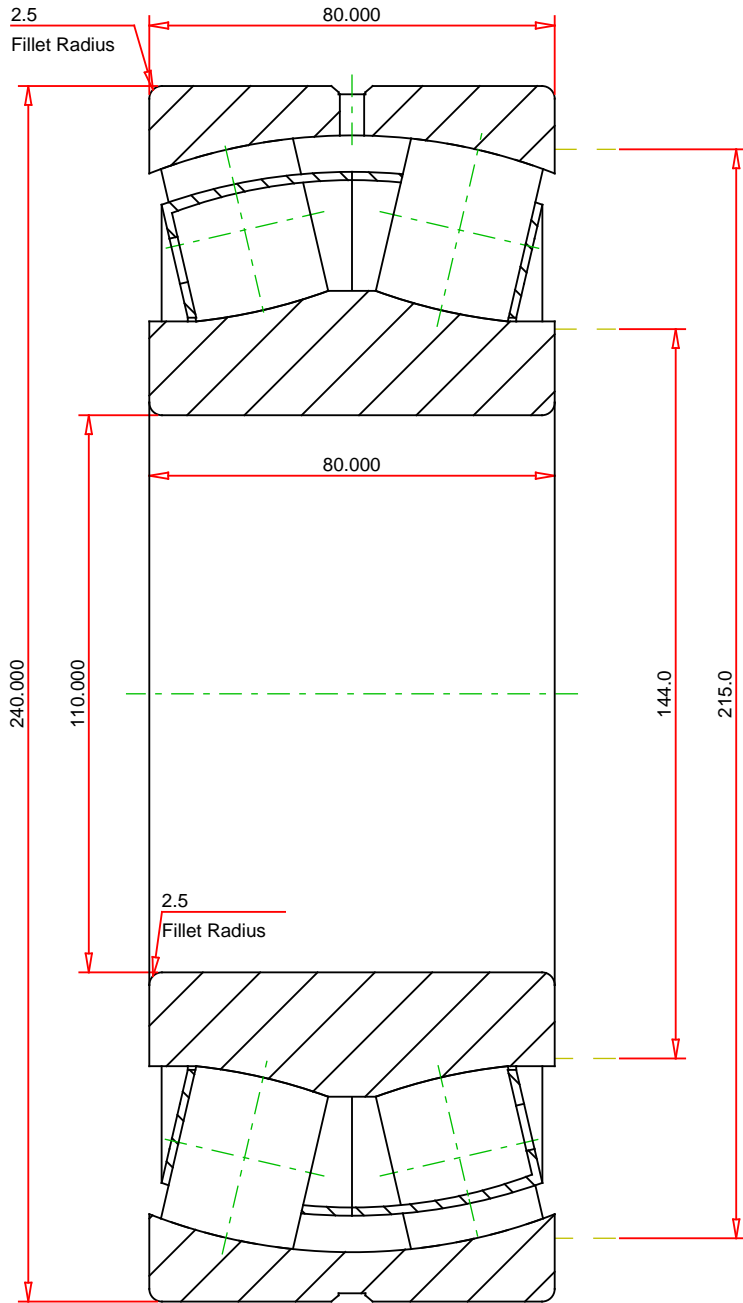
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁵ See thermal speed ratings in the engineering section.

⁶ Geometry constant for Lubrication Life Adjustment Factor a3l.

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	15
ISO Factor e	0.32
ISO Factor Y0	2.04
ISO Factor Y1	2.08
ISO Factor Y2	3.10
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel

TIMKEN®

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NORTH CANTON, OHIO USA

22322EJW33 SRB ASSEMBLY	
Dynamic Radial Rating (Two Rows)	949000 N
Static Radial Rating	1050000 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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