


The Timken Company

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Part Number 22332EJW33C2, 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	087796031128
Design Unit	Metric
d - Bore	160 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	22332CJW33C2

Factors


e - ISO Factor¹	0.32
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Y0 - ISO Factor²	2.04
Y1 - ISO Factor³	2.09
Y2 - ISO Factor⁴	3.11
Reference Thermal Speed Rating (Grease)	1300 rpm
Reference Thermal Speed Rating (Oil)⁵	1500 rpm
Cg - Geometry Factor⁶	0.0920

Dimensions

D - Outer Diameter	340 mm 13.3858 in
B' - Inner Ring Width	114 mm 4.4882 in
B - Outer Ring Width	114 mm 4.4882 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁷	3 mm 0.120 in
r - Outer Ring "To Clear" Radius⁸	3 mm 0.12 in
da - Inner Ring Backing Diameter	207 mm 8.1000 in
Da - Outer Ring Backing Diameter	306 mm 12.000 in

Basic Load Ratings

C0 - Static Radial Rating	2110000 N 475000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	1800000 N 405000 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.

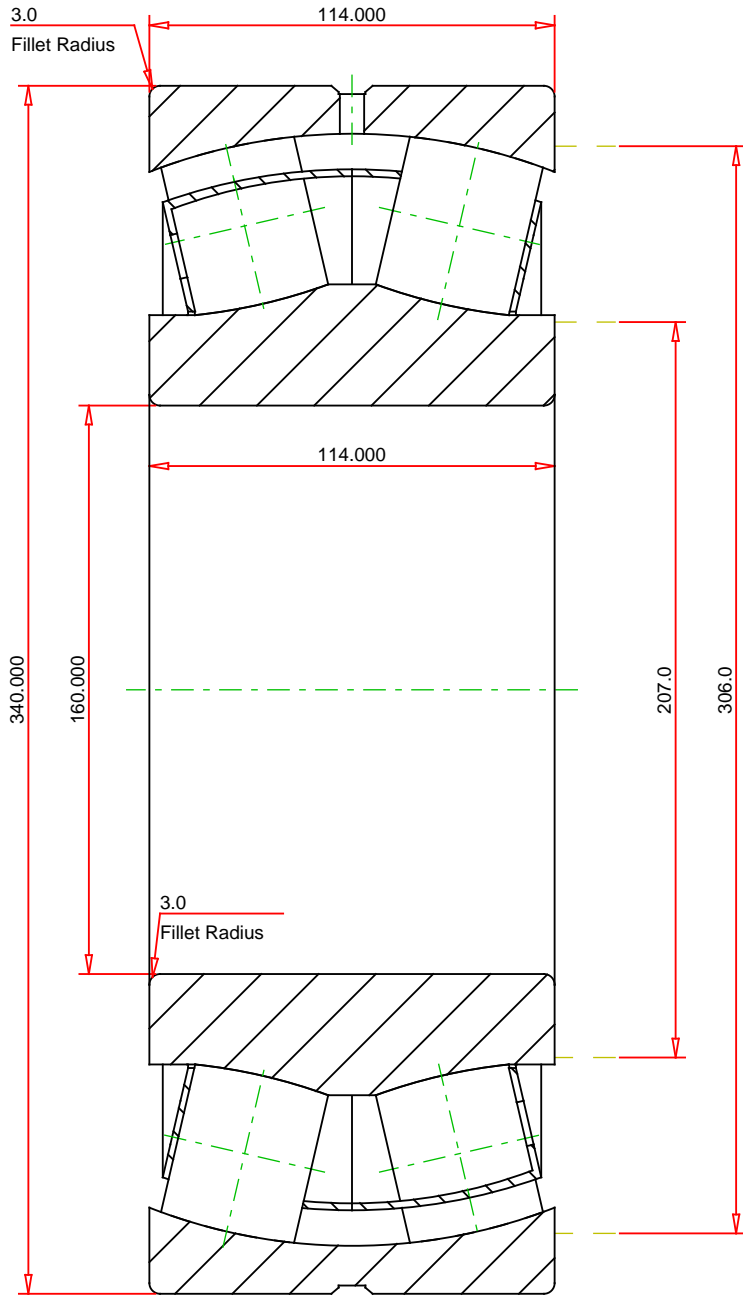
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

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	16
ISO Factor e	0.32
ISO Factor Y0	2.04
ISO Factor Y1	2.09
ISO Factor Y2	3.11
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel

TIMKEN®

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NORTH CANTON, OHIO USA

22332EJW33C2 SRB ASSEMBLY		
Dynamic Radial Rating (Two Rows)	180000	N
Static Radial Rating	211000	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