



The Timken Company

4500 Mt Pleasant St. NW

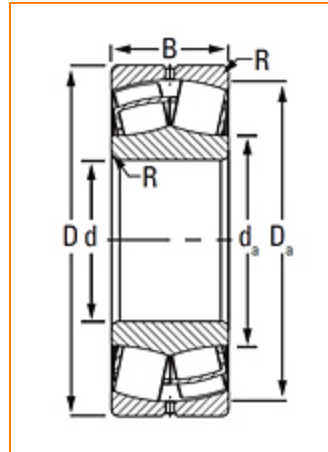
N. Canton, OH 44720

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Part Number 24034KEJW33C3, 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	087796250383
Design Unit	Metric
d - Bore	170 mm
Lubrication Type	Standard Grease
Bore_Taper	1/30
Cage Type	EJ
Cage Material	Steel
Superseded Part	24034KCJW33C3



e - ISO Factor¹	0.3
Y0 - ISO Factor²	2.17
Y1 - ISO Factor³	2.22
Y2 - ISO Factor⁴	3.3
Reference Thermal Speed Rating (Grease)	1500 rpm
Reference Thermal Speed Rating (Oil)⁵	1700 rpm
Cg - Geometry Factor⁶	0.0915

Dimensions

D - Outer Diameter	260 mm 10.2362 in
B' - Inner Ring Width	90 mm 3.5433 in
B - Outer Ring Width	90 mm 3.5433 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁷	2 mm 0.080 in
r - Outer Ring "To Clear" Radius⁸	2 mm 0.080 in
da - Inner Ring Backing Diameter	189.000 mm 7.400 in
Da - Outer Ring Backing Diameter	240.000 mm 9.500 in

C0 - Static Radial Rating	1570000 N 354000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	1030000 N 233000 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.

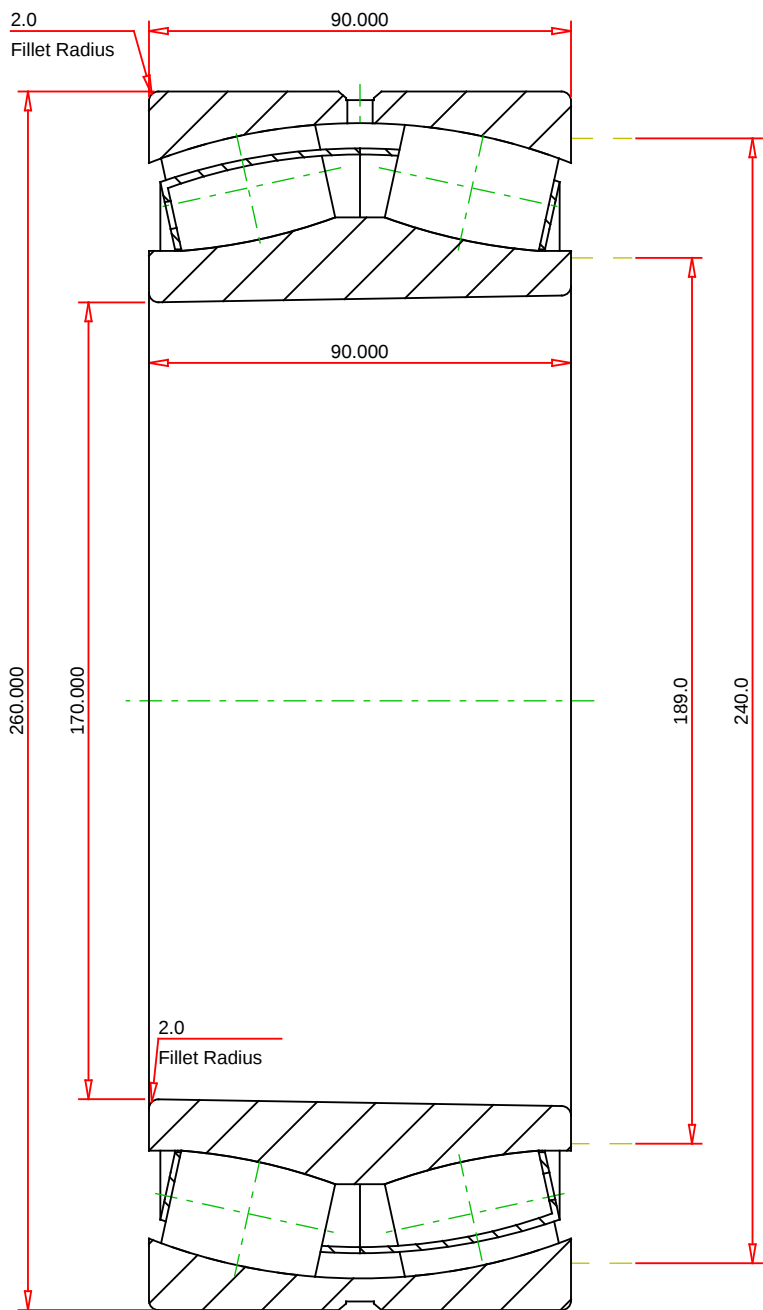
⁴ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁵ See thermal speed ratings in the engineering section.

⁶ Geometry constant for Lubrication Life Adjustment Factor a3l.

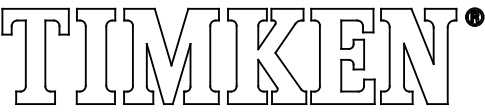
⁷ Maximum housing fillet radius that bearing corners will clear.

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



METRIC UNITS

Number of Rollers Per Row	26
ISO Factor e	0.30
ISO Factor Y0	2.17
ISO Factor Y1	2.22
ISO Factor Y2	3.30
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/30



THE TIMKEN COMPANY

NORTH CANTON, OHIO USA

24034KEJW33C3
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	1030000	N
Static Radial Rating	1570000	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