



The Timken Company

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Part Number 21319KEJW33C2, 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	087796358263
Design Unit	Metric
d - Bore	95 mm
Lubrication Type	Standard Grease
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	21319KCJW33C2



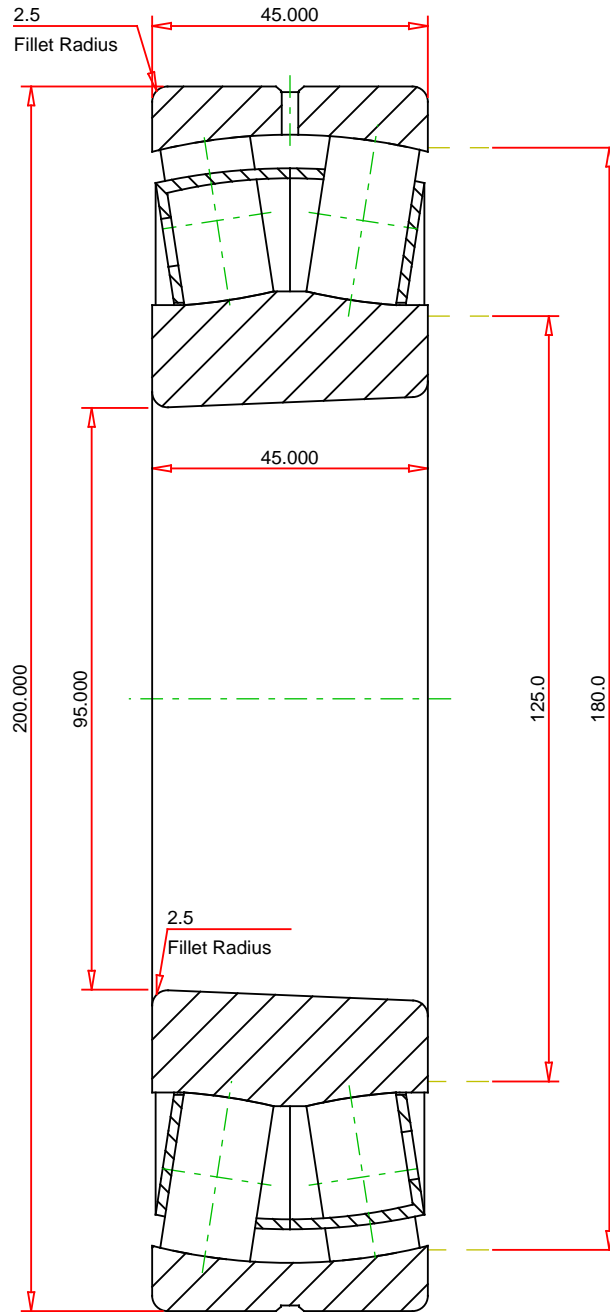
e - ISO Factor¹	0.22
Y0 - ISO Factor²	2.96
Y1 - ISO Factor³	3.02
Y2 - ISO Factor⁴	4.5
Reference Thermal Speed Rating (Grease)	3000 rpm
Reference Thermal Speed Rating (Oil)⁵	3600 rpm
Cg - Geometry Factor⁶	0.0716

Dimensions

D - Outer Diameter	200 mm 7.874 in
B' - Inner Ring Width	45 mm 1.7717 in
B - Outer Ring Width	45 mm 1.7717 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	125 mm 4.9000 in
Da - Outer Ring Backing Diameter	180.000 mm 7.1000 in



METRIC UNITS

Number of Rollers Per Row	16
ISO Factor e	0.22
ISO Factor Y0	2.96
ISO Factor Y1	3.02
ISO Factor Y2	4.50
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/12

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

21319KEJW33C2
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	474000	N
Static Radial Rating	483000	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