



The Timken Company

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Part Number 22218KEJW33, 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	087796023529
Design Unit	Metric
d - Bore	90 mm
Lubrication Type	Standard Grease
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	22218KCJW33



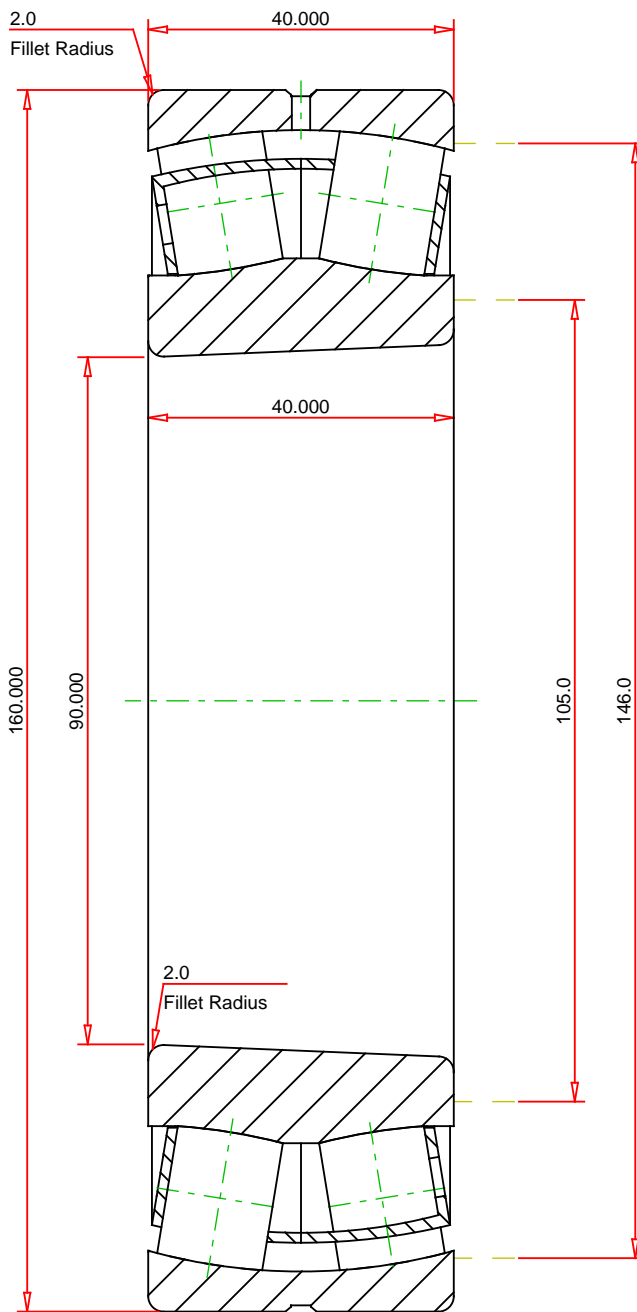
e - ISO Factor¹	0.23
Y0 - ISO Factor²	2.83
Y1 - ISO Factor³	2.9
Y2 - ISO Factor⁴	4.31
Reference Thermal Speed Rating (Grease)	3500 rpm
Reference Thermal Speed Rating (Oil)⁵	4300 rpm
Cg - Geometry Factor⁶	0.0638

Dimensions

D - Outer Diameter	160 mm 6.2992 in
B' - Inner Ring Width	40 mm 1.5748 in
B - Outer Ring Width	40 mm 1.5748 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	105.000 mm 4.2000 in
Da - Outer Ring Backing Diameter	146.000 mm 5.800 in



METRIC UNITS

Number of Rollers Per Row	18
ISO Factor e	0.23
ISO Factor Y0	2.83
ISO Factor Y1	2.90
ISO Factor Y2	4.31
Bearing Weight	kg
Cage Type	EJ
Cage Material	Steel
Bore Taper	1/12

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

22218KEJW33
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	355000	N
Static Radial Rating	388000	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