The Timken Company
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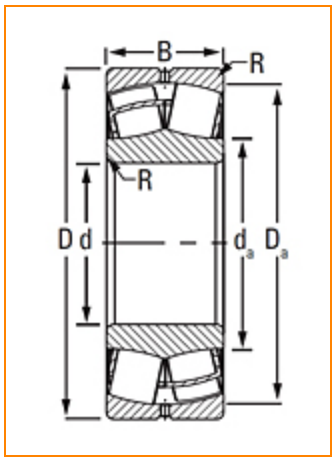
Part Number 22328KEJW33C3, Spherical Roller Bearings - Steel Cage

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	087796027541
Design Unit	Metric
d - Bore	140 mm
Lubrication Type	Standard Grease
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	22328KCJW33C3

s

e - ISO Factor[1]	0.33
Y0 - ISO Factor[2]	2.01
Y1 - ISO Factor[3]	2.06
Y2 - ISO Factor[4]	3.06
Reference Thermal Speed Rating (Grease)	1600 rpm
Reference Thermal Speed Rating (Oil)[5]	1800 rpm
Cg - Geometry Factor[6]	0.0914

Dimensions

D - Outer Diameter	300 mm 11.811 in
B' - Inner Ring Width	102 mm 4.0157 in
B - Outer Ring Width	102 mm 4.0157 in

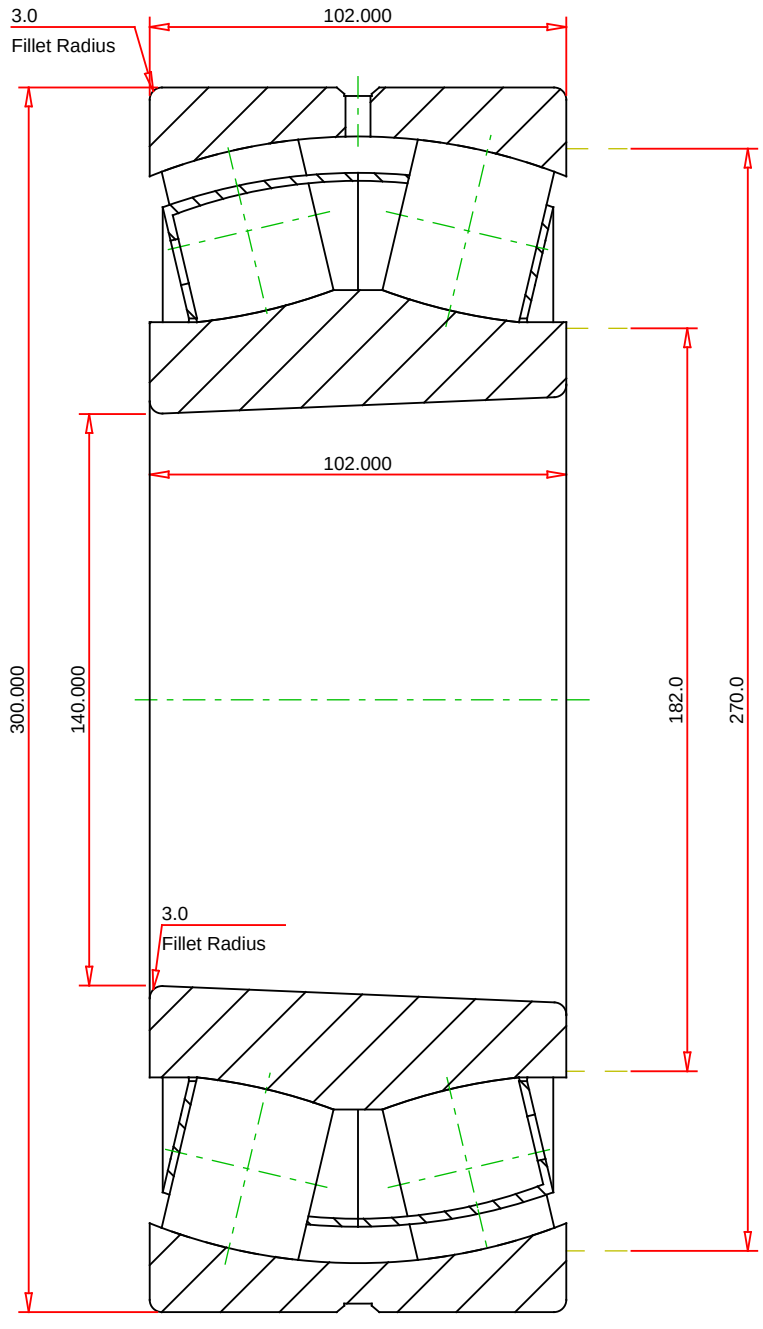
Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[7]	3 mm 0.120 in
r - Outer Ring "To Clear" Radius[8]	3 mm 0.12 in
da - Inner Ring Backing Diameter	182 mm 7.1000 in
Da - Outer Ring Backing Diameter	270 mm 10.600 in

Basic Load Ratings

C0 - Static Radial Rating	1670000 N 375000 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	1450000 N 326000 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	0.33	
ISO Factor Y0	2.01	
ISO Factor Y1	2.06	
ISO Factor Y2	3.06	
Bearing Weight		kg
Cage Type	EJ	
Cage Material	Steel	
Bore Taper	1/12	

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

22328KEJW33C3
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	1450000	N
Static Radial Rating	1670000	N

FOR DISCUSSION ONLY