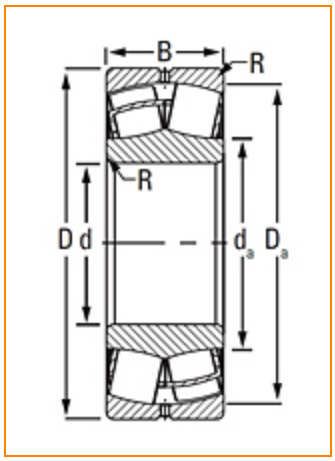
The Timken Company
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N. Canton, OH 44720
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E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number 21306KEJW33C3, 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	087796151475
Design Unit	Metric
d - Bore	30 mm
Lubrication Type	Standard Grease
Bore_Taper	1/12
Cage Type	EJ
Cage Material	Steel
Superseded Part	21306KCJW33C3

s

e - ISO Factor[1]	0.26
Y0 - ISO Factor[2]	2.54
Y1 - ISO Factor[3]	2.6
Y2 - ISO Factor[4]	3.87
Reference Thermal Speed Rating (Grease)	7200 rpm
Reference Thermal Speed Rating (Oil)[5]	8900 rpm
Cg - Geometry Factor[6]	0.0405

Dimensions

D - Outer Diameter	72 mm 2.8346 in
B' - Inner Ring Width	19 mm 0.7480 in
B - Outer Ring Width	19 mm 0.748 in

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[7]	1 mm 0.040 in
r - Outer Ring "To Clear" Radius[8]	1 mm 0.040 in
da - Inner Ring Backing Diameter	41 mm 1.600 in
Da - Outer Ring Backing Diameter	64 mm 2.500 in

Basic Load Ratings

C0 - Static Radial Rating	70300 N 15800 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	56500 N 12700 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.

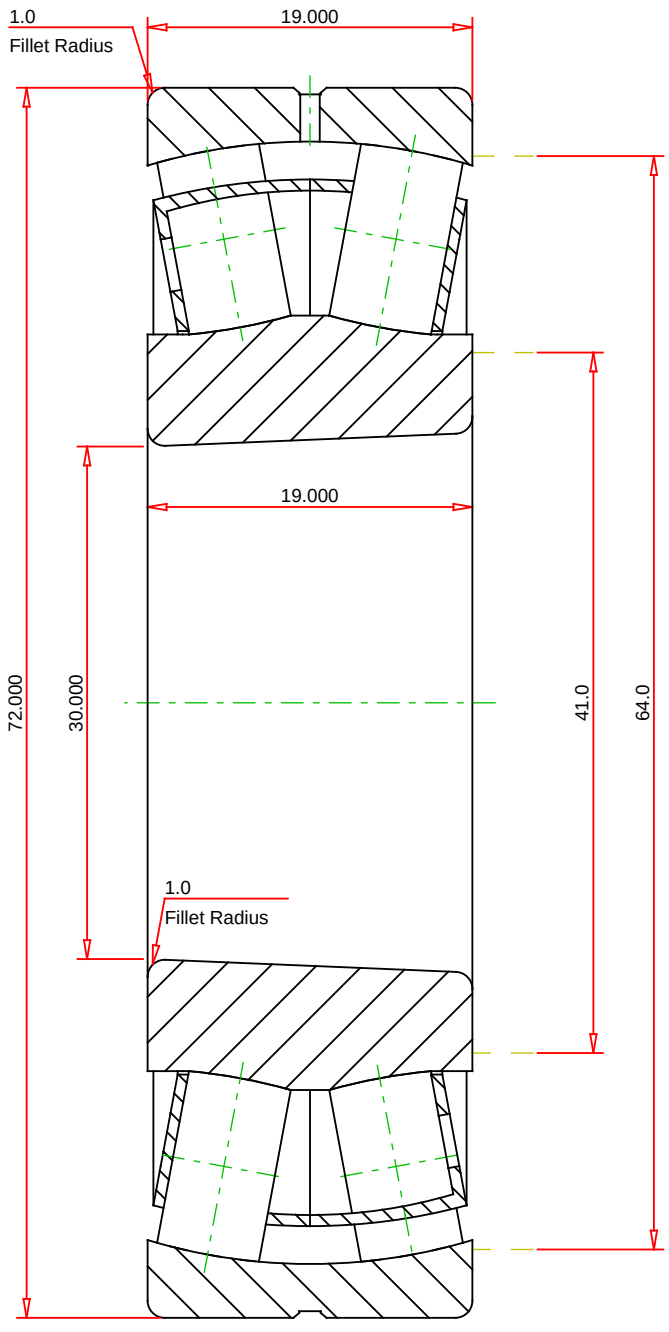
[4] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

[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	13	
ISO Factor e	0.26	
ISO Factor Y0	2.54	
ISO Factor Y1	2.60	
ISO Factor Y2	3.87	
Bearing Weight		kg
Cage Type	EJ	
Cage Material	Steel	
Bore Taper	1/12	

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

21306KEJW33C3
SRB ASSEMBLY

Dynamic Radial Rating (Two Rows)	56500	N
Static Radial Rating	70300	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