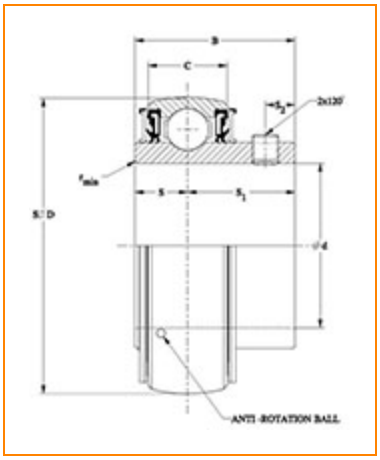
The Timken Company
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Part Number SUC210-30-IP69K/F, Corrosion-Resistant Inserts – Stainless Steel Ball Bearing Set Screw Locking





Specifications | Dimensions | Basic Load Ratings

Specifications

Bore Shape	Cylindrical bore
Type	Insert Bearing
Locking Style	Set Screw Locking
Seal Type	IP69K Seal
Bore Size	1 7/8 in
Lubrication Type	Standard Food Safe Grease
Bearing Style	Ball Bearing

Dimensions

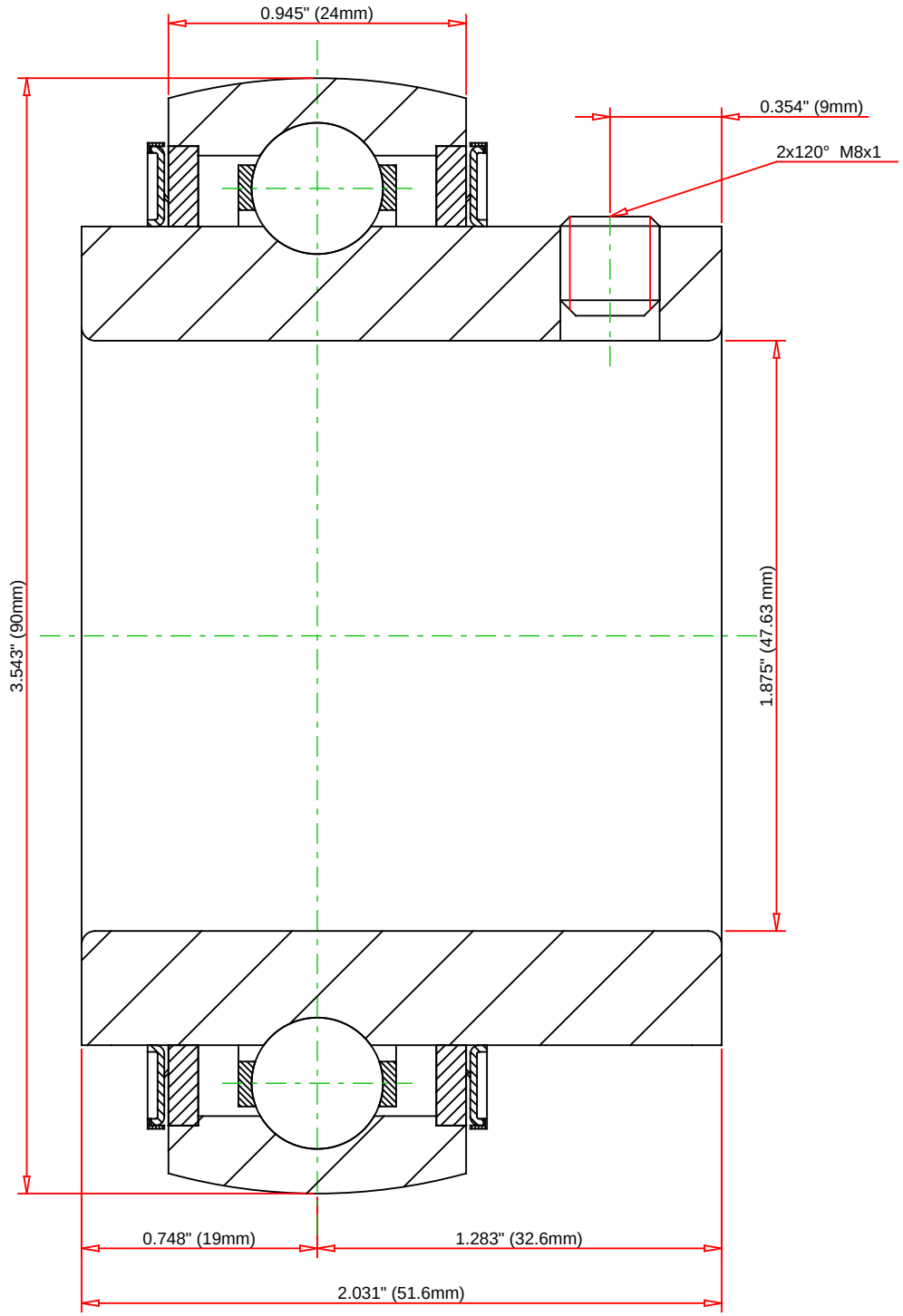
Outside Diameter D	3.543 in 90 mm
Outside Ring Width C	0.945 in 24.0 mm
Radius r[1]	0.043 in 1.1 mm
Groove Position C1	0.236 in 6.0 mm
Center of Bearing from End S	0.748 in 19.0 mm
Inside Ring Width B	2.031 in 51.6 mm
Dimension S1	1.283 in 32.6 mm
Set Screw Distance S2	0.354 in 9.0 mm
Set Screw Size	M8×1
Number of Set Screw	2
Angle between Set Screws	120 °

Basic Load Ratings

Static Load Rating	4182 lbf 18600 N
Dynamic Load Rating[2]	6700 lbf 29800 N

[1] These maximum fillet radii will be cleared by the bearing corners.

[2] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values.



Lubrication Type	Standard Food Safe Grease

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

SUC210-30-IP69K/F

Corrosion-Resistant Inserts – Stainless Steel Ball Bearing Set Screw Locking

Basic Load Ratings - C_r	6700 lbf	29800 N
Load Ratings - C_{0r}	4182 lbf	18600 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