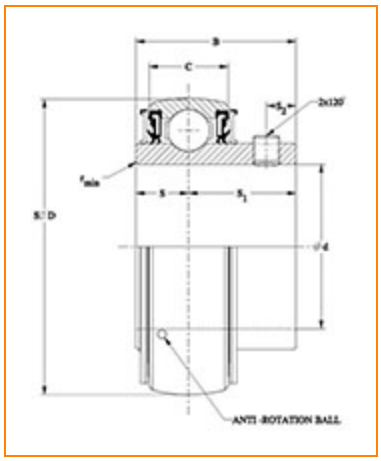
The Timken Company
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Part Number SUC204-12-IP69K/F, Corrosion-Resistant Inserts – Stainless Steel Ball Bearing Set Screw Locking





Specifications | Dimensions | Basic Load Ratings

Specifications

Bore Shape	Cylindrical bore
Type	Insert Bearing
Locking Style	Set Screw Locking
Seal Type	IP69K Seal
Bore Size	0.7500 in
Lubrication Type	Standard Food Safe Grease
Bearing Style	Ball Bearing

Dimensions

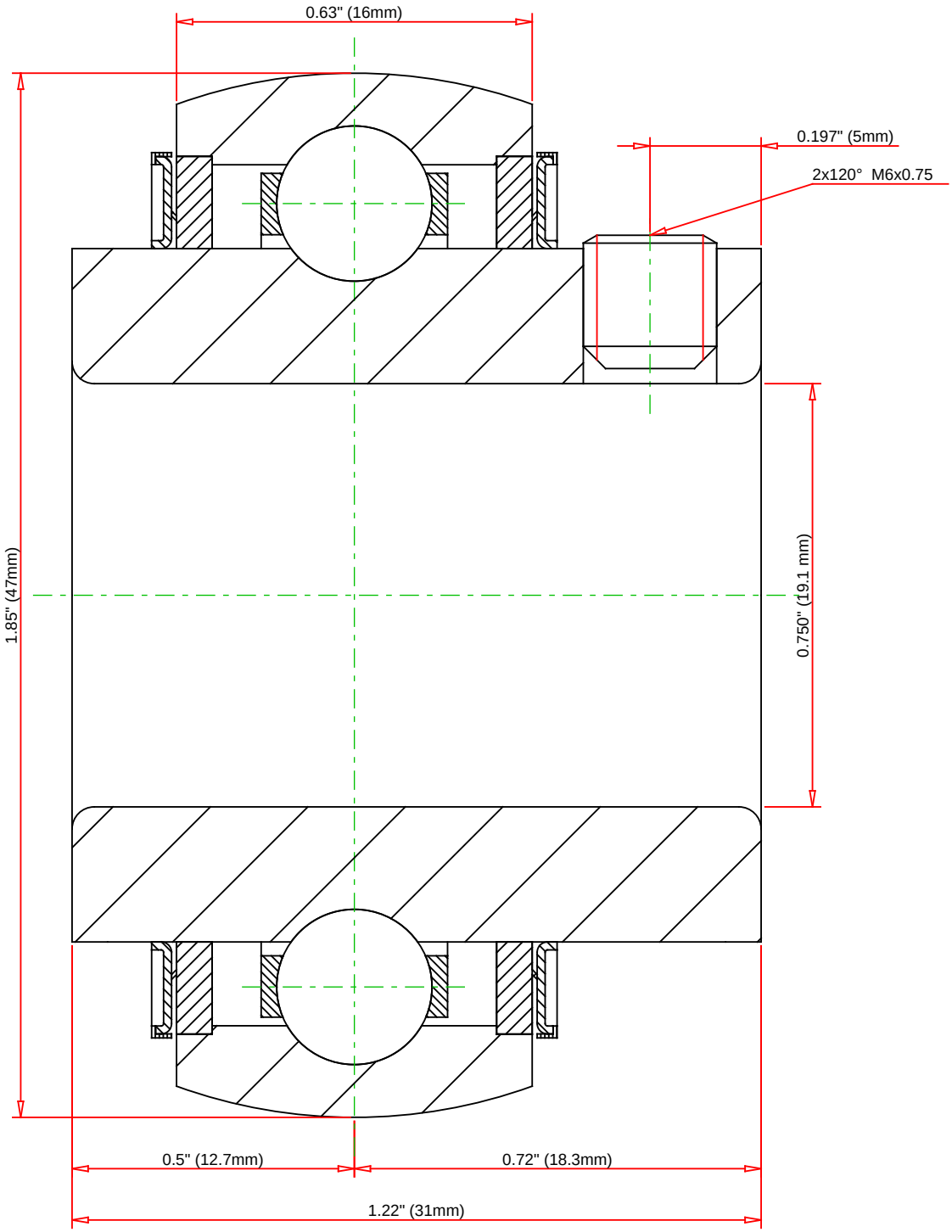
Outside Diameter D	1.850 in 47 mm
Outside Ring Width C	0.630 in 16 mm
Radius r[1]	0.039 in 1 mm
Groove Position C1	0.153 in 3.9 mm
Center of Bearing from End S	0.500 in 12.7 mm
Inside Ring Width B	1.22 in 31 mm
Dimension S1	0.720 in 18.3 mm
Set Screw Distance S2	0.197 in 5.0 mm
Set Screw Size	M6×0.75
Number of Set Screw	2
Angle between Set Screws	120 °

Basic Load Ratings

Static Load Rating	1203 lbf 5350 N
Dynamic Load Rating[2]	2451 lbf 10900 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

SUC204-12-IP69K/F

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

Basic Load Ratings - C_r	2451 lbf	10900 N
Load Ratings - C_{0r}	1203 lbf	5350 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