oilite® SYNTHETIC PERFORMANCE DIFFERENCE®



SOFMP1218-20

Super Oilite® M-Series Metric/PLUS

Flange

PTFE Additive-Reduced Friction Synthetic Oilite® Plus-SPD™. Extreme Performance-Unique Applications.

Temp Range -50°C to +149°C

Dimensions & Tolerances

Nominal ID:	12 mm
ID Max:	12.035 mm
ID Min:	12.01 mm
Nominal OD:	18 mm
OD Max:	18.055 mm
OD Min:	18.03 mm
Length:	20 mm ±0.25
Flange OD:	24 mm ±0.25
Flange Thickness:	3 mm ±0.125
Weight:	0.044 lbs / 20 g

Press Fit

Housing Bore:	17.98468 mm ±0.013
Shaft Diameter:	11.90859 mm ±0.005

Temperature

Max Temp F / C:	300 / 149
Min Temp F / C:	-60 / -51

Pressure Ratings

Max P:	27.56 (N/mm^2)
Max V:	1.14 (m/s)
Max PV:	1.225 ($N\text{-}M/mm^2\text{-}s$)
Calculated P:	0 (N/mm^2)
Calculated V:	0 (m/s)
Calculated PV:	0 ($N\text{-}M/mm^2\text{-}s$)

Material Specifications

Lubrication:	Self-Lubricating
Regulations:	Lead-Free Conflict Free RoHS Certified Reach Certified
Engineering Preferences:	Conducts Electricity
Specifications Met:	**SAE 863** **ASTM B-439 GR 4** **FC-2000-K30**

Preferred Supplier -
Beemer Precision, Inc.
All Products Made in the U.S.A
Contact (215) 646-8440
https://oilite.com

Beemer Precision, Inc. (“Beemer”) supplies these drawings and specifications for illustration purposes only and without representation or warranty of any kind whatsoever. The buyer is solely responsible for determining whether a bearing is suitable for the buyer’s application. Dimensions, tolerances, and materials may change at any time. All bearing sales are subject to Beemer’s Standard Terms and Conditions of Sale, which may be found here
Copyright Beemer Precision, Inc.