



## SOFMP1218-12

### Super Oilite<sup>®</sup> M-Series Metric/PLUS

#### Flange

PTFE Additive-Reduced Friction  
Synthetic Oilite<sup>®</sup> Plus-SPD<sup>™</sup>. 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: 12 mm  $\pm 0.25$   
Flange OD: 24 mm  $\pm 0.25$   
Flange Thickness: 3 mm  $\pm 0.125$   
Weight: 0.027 lbs / 12.2 g

#### Press Fit

Housing Bore: 17.98468 mm  $\pm 0.013$   
Shaft Diameter: 11.90859 mm  $\pm 0.005$

#### Temperature

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

#### Pressure Ratings

Max P: 27.56 (N/mm<sup>2</sup>)  
Max V: 1.14 (m/s)  
Max PV: 1.225 (N-M/mm<sup>2</sup>-s)  
Calculated P: 0 (N/mm<sup>2</sup>)  
Calculated V: 0 (m/s)  
Calculated PV: 0 (N-M/mm<sup>2</sup>-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