



## SOFMP0508-10

### 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: 5 mm  
ID Max: 5.025 mm  
ID Min: 5 mm  
Nominal OD: 8 mm  
OD Max: 8.045 mm  
OD Min: 8.02 mm  
Length: 10 mm ±0.25  
Flange OD: 11 mm ±0.25  
Flange Thickness: 1.5 mm ±0.125  
Weight: 0.005 lbs / 2.3 g

#### Press Fit

Housing Bore: 7.98268 mm ±0.013  
Shaft Diameter: 4.9093 mm ±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