oilite® SYNTHETIC PERFORMANCE DIFFERENCE®



# SOFM1016-12

## Super Oilite® M-Series

## Metric

### Flange

Iron-Based Sintered Product Impregnated with Extreme Pressure Synthetic AM3-SPD™. Higher Load, Slower Speed Designs Economic Alternative Material.

Temp Range -26°C to +149°C

### Dimensions & Tolerances

| | |
|---|---|
| Nominal ID: | 10 mm |
| ID Max: | 10.035 mm |
| ID Min: | 10.01 mm |
| Nominal OD: | 16 mm |
| OD Max: | 16.055 mm |
| OD Min: | 16.03 mm |
| Length: | 12 mm ±0.25 |
| Flange OD: | 22 mm ±0.25 |
| Flange Thickness: | 3 mm ±0.125 |
| Weight: | 0.024 lbs / 10.9 g |

### Press Fit

| | |
|---|---|
| Housing Bore: | 15.98628 mm ±0.013 |
| Shaft Diameter: | 9.91103 mm ±0.005 |

### Temperature

| | |
|---|---|
| Max Temp F / C: | 300 / 149 |
| Min Temp F / C: | -15 / -26 |

### 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<br>Conflict Free<br>RoHS Certified<br>Reach Certified |
| Engineering Preferences: | Conducts Electricity |
| Specifications Met: | **SAE 863**<br>**ASTM B-439 GR 4**<br>**FC-2000-K30** |

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

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