oilite® SYNTHETIC PERFORMANCE DIFFERENCE®



# FFM1218-08NT

## Oilite® M-Series Metric Non-Tox

### Flange

USDA H1 Approved Synthetic Lubricant: Non-Tox-SPD™. For Incidental Food Contact Applications Temp Range -59°C to +175°C

### Dimensions & Tolerances

| | |
|---|---|
| Nominal ID: | 12 mm |
| ID Max: | 12.03 mm |
| ID Min: | 12.01 mm |
| Nominal OD: | 18 mm |
| OD Max: | 18.05 mm |
| OD Min: | 18.03 mm |
| Length: | 8 mm ±0.127 |
| Flange OD: | 24 mm ±0.127 |
| Flange Thickness: | 3 mm ±0.0635 |
| Weight: | 0.019 lbs / 8.6 g |

### Press Fit

| | |
|---|---|
| Housing Bore: | 17.98657 mm ±0.013 |
| Shaft Diameter: | 11.91741 mm ±0.005 |

### Temperature

| | |
|---|---|
| Max Temp F / C: | 420 / 216 |
| Min Temp F / C: | -75 / -59 |

### Pressure Ratings

| | |
|---|---|
| Max P: | 13.78 ($N/mm^2$) |
| Max V: | 6.1 (m/s) |
| Max PV: | 1.75 ($N\text{-}M/mm^2\text{-}s$) |
| 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: | USDA-H1 Certified<br>Lead-Free<br>Conflict Free<br>RoHS Certified<br>Reach Certified |
| Engineering Preferences: | Conducts Electricity<br>Corrosion Resistant |
| Specifications Met: | **SAE 841**<br>**ASTM B-438 GR 1 TYPE 2**<br>**CT-1000-K26** |

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

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