



## FFM1013-20NT

### Oilite<sup>®</sup> M-Series Metric Non-Tox

#### Flange

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

#### Dimensions & Tolerances

Nominal ID: 10 mm  
ID Max: 10.03 mm  
ID Min: 10.01 mm  
Nominal OD: 13 mm  
OD Max: 13.05 mm  
OD Min: 13.03 mm  
Length: 20 mm  $\pm 0.127$   
Flange OD: 16 mm  $\pm 0.127$   
Flange Thickness: 1.5 mm  $\pm 0.0635$   
Weight: 0.016 lbs / 7.3 g

#### Press Fit

Housing Bore: 12.99007 mm  $\pm 0.013$   
Shaft Diameter: 9.92156 mm  $\pm 0.005$

#### Temperature

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

#### Pressure Ratings

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