



## SOFM4046-20

### Super Oilite<sup>®</sup> 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: 40 mm  
ID Max: 40.06 mm  
ID Min: 40.01 mm  
Nominal OD: 46 mm  
OD Max: 46.09 mm  
OD Min: 46.04 mm  
Length: 20 mm ±0.25  
Flange OD: 56 mm ±0.4  
Flange Thickness: 5 mm ±0.2  
Weight: 0.298 lbs / 135.2 g

#### Press Fit

Housing Bore: 45.9909 mm ±0.013  
Shaft Diameter: 39.881 mm ±0.005

#### Temperature

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

#### 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