oilite® SYNTHETIC PERFORMANCE DIFFERENCE®



# SOF621-04

## Super Oilite®

### Flange

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

Temp Range -15°F to +300°F

**Dimensions & Tolerances**

| | |
|---|---|
| Nominal ID: | 0.5 " |
| ID Max: | 0.503 " |
| ID Min: | 0.502 " |
| Nominal OD: | 0.75 " |
| OD Max: | 0.753 " |
| OD Min: | 0.752 " |
| Length: | 1 " ±0.01 |
| Flange OD: | 1 " ±0.01 |
| Flange Thickness: | 0.125 " ±0.005 |
| Weight: | 0.08 lbs / 36.3 g |

**Press Fit**

| | |
|---|---|
| Housing Bore: | 0.7502 " ±0.0005 |
| Shaft Diameter: | 0.49798 " ±0.0002 |

**Temperature**

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

**Pressure Ratings**

| | |
|---|---|
| Max P: | 4000 (psi) |
| Max V: | 225 (sf/m) |
| Max PV: | 35000 (lb-ft/in$^2$-min) |
| Calculated P: | 0 (psi) |
| Calculated V: | 0 (sf/m) |
| Calculated PV: | 0 (lb-ft/in$^2$-min) |

**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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