# **Oilite**<sup>®</sup> Synthetic Difference®

## SOAM0609-08

## Super Oilite® M-Series Metric

#### Sleeve

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

Temp Range -26°C to +149°C



### Dimensions & Tolerances

| Dimensions & Tolerances |   |
|-------------------------|---|
| Nominal ID              | : 6 mm                                      |
| ID Max                  | : 6.025 mm                                  |
| ID Min                  | : 6 mm                                      |
| Nominal OD              | : 9 mm                                      |
| OD Max                  | : 9.045 mm                                  |
| OD Min                  | : 9.02 mm                                   |
| Length                  | : 8 mm ±0.25                                |
| Weight                  | : 0.004 lbs / 1.8 g                         |
| Press Fit               |   |
| Housing Bore            | : 8.98188 mm ±0.013                         |
| Shaft Diameter          | : 5.90808 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             | Conflict Free<br>RoHS Certified             |
|                         | Reach Certified                             |
| Engineering Preferences |   |
| Specifications Met      | : SAE 863<br>ASTM B-439 GR 4<br>FC-2000-K30 |

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