## **Oilite**<sup>®</sup> SYNTHETIC PERFORMANCE DIFFERENCE®

## SOFM1420-14

## Super Oilite® M-Series Metric

## Flange

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 |   | 1 Olci alloco |

| Dimensions & Tolerances  |                                 |
|--------------------------|---------------------------------|
| Nominal ID:              | 14 mm                           |
| ID Max:                  | 14.035 mm                       |
| ID Min:                  | 14.01 mm                        |
| Nominal OD:              | 20 mm                           |
| OD Max:                  | 20.055 mm                       |
| OD Min:                  | 20.03 mm                        |
| Length:                  | 14 mm ±0.25                     |
| Flange OD:               | 26 mm ±0.25                     |
| Flange Thickness:        | 3 mm ±0.125                     |
| Weight:                  | 0.035 lbs / 15.9 g              |
| Press Fit                |                                 |
| Housing Bore:            | 19.98308 mm ±0.013              |
| Shaft Diameter:          | 13.90615 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:      | -                               |
|                          | ASTM B-439 GR 4                 |
|                          | FC-2000-K30                     |
|                          |                                 |

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