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

## SOFM1218-20

## 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
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Dimensions & Tolerances	
Nominal ID: 12 mm	
ID Max: 12.035 mm	
ID Min: 12.01 mm	
Nominal OD: 18 mm	
OD Max: 18.055 mm	
OD Min: 18.03 mm	
Length: 20 mm ±0.25	
Flange OD: 24 mm ±0.25	
Flange Thickness: 3 mm ±0.125	
Weight: 0.044 lbs / 20 g	
Press Fit	
Housing Bore: 17.98468 mm ±0.013	
Shaft Diameter: 11.90859 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	

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