Oilite[®] Synthetic Difference®

SOFM0812-16

Super Oilite® 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

Dimensions & Tolerances	
Nominal ID:	8 mm
ID Max:	8.035 mm
ID Min:	8.01 mm
Nominal OD:	12 mm
OD Max:	12.055 mm
OD Min:	12.03 mm
Length:	16 mm ±0.25
Flange OD:	16 mm ±0.25
Flange Thickness:	2 mm ±0.125
Weight:	0.015 lbs / 6.8 g
Press Fit	
Housing Bore:	11.98948 mm ±0.013
Shaft Diameter:	7.91491 mm ±0.005
Temperature	
Max Temp F / C:	300 / 149
Min Temp F / C:	-15 / -26
Pressure Ratings	
Max P:	27.56 (N/mm ²)
Max V:	1.14 (m/s)
Max PV:	1.225 (N-M/mm ² -s)
Calculated P:	0 (N/mm ²)
Calculated V:	0 (m/s)
Calculated PV:	0 (N-M/mm ² -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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