oilite® SYNTHETIC PERFORMANCE DIFFERENCE®



SOFM4551-25

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

Nominal ID:	45 mm
ID Max:	45.06 mm
ID Min:	45.01 mm
Nominal OD:	51 mm
OD Max:	51.1 mm
OD Min:	51.05 mm
Length:	25 mm ±0.25
Flange OD:	57 mm ±0.4
Flange Thickness:	3 mm ±0.2
Weight:	0.19 lbs / 86.2 g

Press Fit

Housing Bore:	50.99689 mm ±0.013
Shaft Diameter:	44.87489 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 ($N\text{-}M/mm^2\text{-}s$)
Calculated P:	0 (N/mm^2)
Calculated V:	0 (m/s)
Calculated PV:	0 ($N\text{-}M/mm^2\text{-}s$)

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**

Preferred Supplier -
Beemer Precision, Inc.
All Products Made in the U.S.A
Contact (215) 646-8440
https://oilite.com

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