



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/mm²)
Max V: 1.14 (m/s)
Max PV: 1.225 (N-M/mm²-s)
Calculated P: 0 (N/mm²)
Calculated V: 0 (m/s)
Calculated PV: 0 (N-M/mm²-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