



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

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/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