Oilite[®] Synthetic PERFORMANCE DIFFERENCE®

SOFMP1822-20

Super Oilite® M-Series Metric/PLUS

Flange

PTFE Additive-Reduced Friction Synthetic Oilite® Plus-SPD™. Extreme Performance-Unique Applications.

Temp Range -50°C to +149°C



Dimensions & Tolerances

Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.14 (m/s) Max PV: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (N/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Nominal ID:	18 mm
Nominal OD: 22 mm OD Max: 22.065 mm OD Min: 22.04 mm Length: 20 mm ±0.25 Flange OD: 26 mm ±0.25 Flange Thickness: 2 mm ±0.125 Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Femperature Max Temp F / C: 300 / 149 Min Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (N/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	ID Max:	18.035 mm
OD Max: 22.065 mm OD Min: 22.04 mm Length: 20 mm ±0.25 Flange OD: 26 mm ±0.25 Flange Thickness: 2 mm ±0.125 Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Femperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (m/s) Calculated PV: 0 (m/s) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	ID Min:	18.01 mm
OD Min: 22.04 mm Length: 20 mm ±0.25 Flange OD: 26 mm ±0.25 Flange Thickness: 2 mm ±0.125 Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.14 (m/s) Max PV: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (N/mm ²) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Nominal OD:	22 mm
Length: 20 mm ±0.25 Flange OD: 26 mm ±0.25 Flange Thickness: 2 mm ±0.125 Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.14 (m/s) Max PV: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	OD Max:	22.065 mm
Flange OD: 26 mm ±0.25 Flange Thickness: 2 mm ±0.125 Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Femperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (N/mm ²) Calculated P: 0 (m/s) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	OD Min:	22.04 mm
Flange Thickness: 2 mm ±0.125 Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 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 P: 0 (N/mm ²) Calculated V: 0 (m/s) 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	Length:	20 mm ±0.25
Weight: 0.04 lbs / 18.1 g Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Femperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 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 V: 0 (m/s) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Flange OD:	26 mm ±0.25
Press Fit Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (N/mm ²) Calculated PV: 0 (m/s) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Flange Thickness:	2 mm ±0.125
Housing Bore: 21.99147 mm ±0.013 Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.14 (m/s) Max PV: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (m/s) Calculated PV: 0 (m/s) Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Weight:	0.04 lbs / 18.1 g
Shaft Diameter: 17.90271 mm ±0.005 Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) Max V: 1.14 (m/s) Max PV: 1.225 (N-M/mm ² -s) Calculated P: 0 (N/mm ²) Calculated P: 0 (m/s) 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	Press Fit	
Temperature Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) 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	Housing Bore:	21.99147 mm ±0.013
Max Temp F / C: 300 / 149 Min Temp F / C: -60 / -51 Pressure Ratings Max P: 27.56 (N/mm ²) Max V: 1.14 (m/s) 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 V: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Shaft Diameter:	17.90271 mm ±0.005
Min Temp F / C: -60 / -51 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 VV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Temperature	
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	Max Temp F / C:	300 / 149
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	Min Temp F / C:	-60 / -51
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	Pressure Ratings	
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	Max P:	27.56 (N/mm ²)
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	Max V:	1.14 (m/s)
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	Max PV:	1.225 (N-M/mm ² -s)
Calculated PV: 0 (N-M/mm ² -s) Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Calculated P:	0 (N/mm ²)
Material Specifications Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Calculated V:	0 (m/s)
Lubrication: Self-Lubricating Regulations: Lead-Free Conflict Free RoHS Certified	Calculated PV:	0 (N-M/mm ² -s)
Regulations: Lead-Free Conflict Free RoHS Certified	Material Specifications	
Conflict Free RoHS Certified	Lubrication:	Self-Lubricating
RoHS Certified	Regulations:	
Reach Certified		RoHS Certified Reach Certified
Engineering Preferences: Conducts Electricity	Engineering Preferences:	
Specifications Met: SAE 863		-
ASTM B-439 GR 4		
FC-2000-K30		FC-2000-K30

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