## **Oilite**<sup>®</sup> SYNTHETIC PERFORMANCE DIFFERENCE®

# AAM1014-14FC

# **Oilite® M-Series Food-**

## Contact

#### Sleeve

Sintered Bronze Impregnated with Food Grade Mineral Oil: FDA 21 CFR 172.878.

Temp Range -23°C to +100°C



#### Dimensions & Tolerances

Nominal ID: 10 mm ID Max: 10.03 mm ID Min: 10.01 mm Nominal OD: 14 mm OD Max: 14.05 mm OD Min: 14.03 mm Length: 14 mm ±0.127 Weight: 0.016 lbs / 7.3 g Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max PY: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated PV: 0 (m/s) Calculated PV: 0 (N/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Read-Certifie		
ID Min: 10.01 mm Nominal OD: 14 mm OD Max: 14.05 mm OD Min: 14.03 mm Length: 14 mm ±0.127 Weight: 0.016 lbs / 7.3 g Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (N/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified	Nominal ID:	10 mm
Nominal OD: 14 mm OD Max: 14.05 mm OD Min: 14.03 mm Length: 14 mm ±0.127 Weight: 0.016 lbs / 7.3 g Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified	ID Max:	10.03 mm
OD Max: 14.05 mm OD Min: 14.03 mm Length: 14 mm ±0.127 Weight: 0.016 lbs / 7.3 g Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max V: 6.1 (m/s) Max VV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Reguneering Preferences: Conducts Electricity Corrosion Resistant	ID Min:	10.01 mm
OD Min: 14.03 mm Length: 14 mm ±0.127 Weight: 0.016 lbs / 7.3 g Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (N/mm <sup>2</sup> -s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certifi	Nominal OD:	14 mm
Length: 14 mm ±0.127 Weight: 0.016 lbs / 7.3 g Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (m/s) Calculated PV: 0 (n-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified	OD Max:	14.05 mm
Weight: 0.016 lbs / 7.3 g         Press Fit         Housing Bore: 13.98937 mm ±0.013         Shaft Diameter: 9.92093 mm ±0.005         Temperature         Max Temp F / C: 220 / 104         Max Temp F / C: 220 / 104         Min Temp F / C: -10 / -23         Pressure Ratings         Max P: 13.78 (N/mm <sup>2</sup> )         Max V: 6.1 (m/s)         Max V: 6.1 (m/s)         Calculated P: 0 (N/mm <sup>2</sup> -s)         Calculated P: 0 (N/mm <sup>2</sup> )         Calculated PV: 0 (N-M/mm <sup>2</sup> -s)         Material Specifications         Lubrication: Self-Lubricating         Regulations: USDA-H1 Certified         Free         Conflict Free         RoHS Certified         Reach Certified         Reach Certified         Reach Certified         Reach Certified	OD Min:	14.03 mm
Press Fit Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max V: 6.1 (m/s) Max VV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated P: 0 (m/s) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Froe Conflict Free RoHS Certified Reach Certifi	Length:	14 mm ±0.127
Housing Bore: 13.98937 mm ±0.013 Shaft Diameter: 9.92093 mm ±0.005 Temperature Max Temp F / C: 220 / 104 Min Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max V: 6.1 (m/s) Calculated P: 0 (N/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Weight:	0.016 lbs / 7.3 g
Shaft Diameter: 9.92093 mm ±0.005         Temperature         Max Temp F / C: 220 / 104         Min Temp F / C: -10 / -23         Pressure Ratings         Max P: 13.78 (N/mm <sup>2</sup> )         Max V: 6.1 (m/s)         Max PV: 1.75 (N-M/mm <sup>2</sup> -s)         Calculated P: 0 (N/mm <sup>2</sup> )         Calculated V: 0 (m/s)         Calculated PV: 0 (N-M/mm <sup>2</sup> -s)         Material Specifications         Lubrication: Self-Lubricating         Regulations: USDA-H1 Certified         Food Contact Certified         Lead-Free         Conflict Free         RoHS Certified         Reach Certified         Reach Certified         Reach Certified         Reach Certified         Reach Certified         Reach Certified	Press Fit	
Temperature         Max Temp F / C: 220 / 104         Min Temp F / C: -10 / -23         Pressure Ratings         Max P: 13.78 (N/mm <sup>2</sup> )         Max V: 6.1 (m/s)         Max V: 6.1 (m/s)         Max PV: 1.75 (N-M/mm <sup>2</sup> -s)         Calculated P: 0 (N/mm <sup>2</sup> )         Calculated V: 0 (m/s)         Calculated PV: 0 (N-M/mm <sup>2</sup> -s)         Material Specifications         Lubrication: Self-Lubricating         Regulations: USDA-H1 Certified         Food Contact Certified         Lead-Free         Conflict Free         RoHS Certified         Reach Certif	Housing Bore:	13.98937 mm ±0.013
Max Temp F / C: 220 / 104 Min Temp F / C: -10 / -23 Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Re	Shaft Diameter:	9.92093 mm ±0.005
Min Temp F / C: -10 / -23  Pressure Ratings  Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated VV: 0 (N-M/mm <sup>2</sup> -s)  Material Specifications  Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Temperature	
Pressure Ratings Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach	Max Temp F / C:	220 / 104
Max P: 13.78 (N/mm <sup>2</sup> ) Max V: 6.1 (m/s) Max VV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Min Temp F / C:	-10 / -23
Max V: 6.1 (m/s) Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Reach Certified Reach Certified Reach Certified Reach Certified	Pressure Ratings	
Max PV: 1.75 (N-M/mm <sup>2</sup> -s) Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Max P:	13.78 (N/mm <sup>2</sup> )
Calculated P: 0 (N/mm <sup>2</sup> ) Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Max V:	6.1 (m/s)
Calculated V: 0 (m/s) Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Max PV:	1.75 (N-M/mm <sup>2</sup> -s)
Calculated PV: 0 (N-M/mm <sup>2</sup> -s) Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Calculated P: 0 (N/mm <sup>2</sup> )	
Material Specifications Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Calculated V: 0 (m/s)	
Lubrication: Self-Lubricating Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Calculated PV:	0 (N-M/mm <sup>2</sup> -s)
Regulations: USDA-H1 Certified Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Material Specifications	
Food Contact Certified Lead-Free Conflict Free RoHS Certified Reach Certified Engineering Preferences: Conducts Electricity Corrosion Resistant	Lubrication:	Self-Lubricating
Corrosion Resistant		Food Contact Certified Lead-Free Conflict Free RoHS Certified
Specifications Met: SAE 841	<b>a b</b>	
ASTM B-438 GR 1 TYPE 2 CT-1000-K26		ASTM B-438 GR 1 TYPE 2

Preferred Supplier -Beemer Precision, Inc. All Products Made in the U.S.A Contact (215) 646-8440 https://oilite.com Beemer Precision, Inc. ("Beemer") supplies these drawings and specifications for illustration purposes only and without representation or warranty of any kind whatsoever. The buyer is solely responsible for determining whether a bearing is suitable for the buyer's application. Dimensions, tolerances, and materials may change at any time. All bearing sales are subject to Beemer's Standard Terms and Conditions of Sale, which may be found <u>here</u> Copyright Beemer Precision, Inc.