

# Corrosion Preventive Properties of Lubricating Greases

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## Corrosion Preventive Properties of Lubricating Greases in Presence of Dilute Synthetic Sea Water Environments

### test method

Determines the corrosion preventive properties of greases when distributed in a tapered roller bearing stored under wet conditions.

### corrosion preventive properties apparatus

- Conforms to ASTM D1743 and D4950 specifications

Distributes a lubricating grease sample in a roller bearing by running the bearing under light thrust load. Corrosion preventive capability is determined on a pass/fail basis by the presence of rust spots (1mm or larger) on the bearing race after a 60 second run-in period followed by prolonged exposure to water at constant temperature. Consists of variable speed motor, 1750rpm run-in stand, bearing holder assemblies, spindle/thrust loading device, mechanical grease packer pliers and test bearings.

### specifications

Conforms to the specifications of:  
ASTM D1743, D4950, Draft Method, D5969  
Drive Motor: 1750rpm

Electrical Requirements  
115V 60Hz, Single Phase, 2.0A  
220-240V 50/60Hz, Single Phase, 1.0A

#### Included Accessories

Bearing Holder Assemblies (3): Consisting of:  
1kg weight  
upper and lower plastic collars for cone  
plastic collar for cup  
plastic jar with screw cap  
metal screw

Spindle/Thrust Loading Device

Mechanical Grease Packer

Pliers

Test Bearings (3) (cone and roller assemblies)

Dimensions l x w x h, in. (cm)  
10x15x20 (25.4x38.1x50.8)  
Net Weight: 27 lbs (12.2kg)

Shipping Information  
Shipping Weight: 36 lbs (16.3kg)  
Dimensions: 5 Cu. ft.

### ordering information

catalog no.	description
<b>K17980</b>	Corrosion Preventive Properties Apparatus 115V 60Hz
<b>K17989</b>	Corrosion Preventive Properties Apparatus 220-240V 50/60Hz

#### accessories

<b>K17981</b>	Bearing Holder Assembly
<b>K17981-0-2</b>	Upper Flange
<b>K17981-0-3</b>	Lower Flange
<b>K17982</b>	Mechanical Grease Packer
<b>K17983</b>	Pliers
<b>K17984</b>	Plastic Jar
<b>289-004-002</b>	Test Bearing



**K17980 Corrosion Preventive Properties Apparatus**

### corrosion preventive properties apparatus (alternate method)

- Conforms to ASTM D1743-73 specifications

Determines corrosion preventive properties of lubricating greases in accordance with original ASTM D1743-73 specifications, now incorporated as Appendix #2 in the current ASTM D1743 method. Offers a suitable alternative to the new method for laboratories needing a quicker screening test method. Consists of drive motor on base with driving cone hub, thrust loading device, mechanical grease packer, test bearings (3), bearing supports (3) and containers with lids (3).

### specifications

Conforms to the specifications of: ASTM D1743-73, FTM 791-4012  
Electrical Requirements:  
115V 60Hz, Single Phase, 5.2A  
220-240V 50/60Hz, Single Phase, 2.6A

Dimensions l x w x h, in. (cm)  
7x12x9.75 (18x30x25)  
Net Weight: 27 lbs (12.3kg)

Shipping Information  
Shipping Weight: 36 lbs (16.3kg)  
Dimensions: 5 Cu. ft.

### ordering information

catalog no.	description
<b>K17970</b>	Corrosion Preventive Properties Apparatus (Alternate Method), 115V 60H
<b>K17979</b>	Corrosion Preventive Properties Apparatus (Alternate Method), 220-240V 50/60Hz

#### accessories (alternative method)

<b>K17900</b>	Thrust Loading Device and Mechanical Grease Packer
<b>K17910</b>	Test Bearing
<b>K17920</b>	Bearing Supports
<b>K17930</b>	Container with Lid