

Operating Instructions

168DRG

Insulated Cap with Test Point & Ground Lead

CONTENTS: *Insulated Cap with test point, Ground Lead, Lubricant, Operating Instructions*

The 168DRG is designed for insulating, shielding and watersealing any ELASTIMOLD 15kV class (8.3kV phase-to-ground and 14.4kV phase-to-phase) loadbreak bushing interface.

DANGER

All apparatus must be de-energized during installation or removal of part(s) except for test point caps and indicators that can be installed and operated energized.

After installation loadbreak products can be operated energized per operating instructions. All deadbreak connectors must be de-energized before operating.

All apparatus must be installed and operated in accordance with individual user, local, and national work rules. These instructions do not attempt to provide for every possible contingency.

Do not touch or move energized products.

Loadbreak connectors must be operated with a full insulated "hotstick" type live-line tool. Consult the company's safe work practices for the required live-line tool length.

Excess distortion of the assembled product may result in its failure.

Inspect parts for damage, rating and compatibility with mating parts.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices.

Failure to follow these instructions will result in damage to the product and serious or fatal injury.

If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

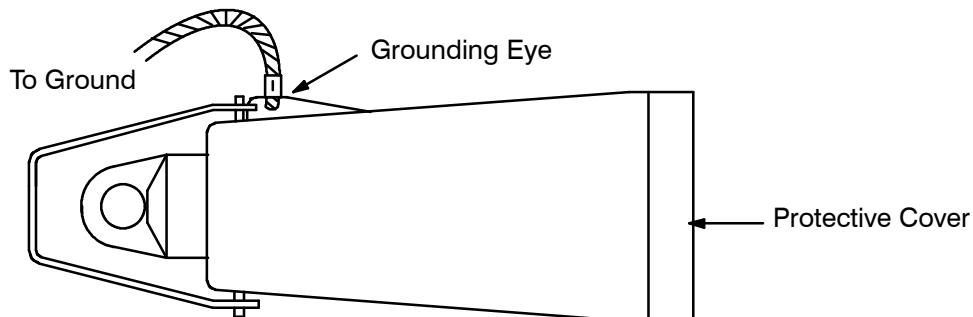
FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD OFFICE.

IMPORTANT

1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.

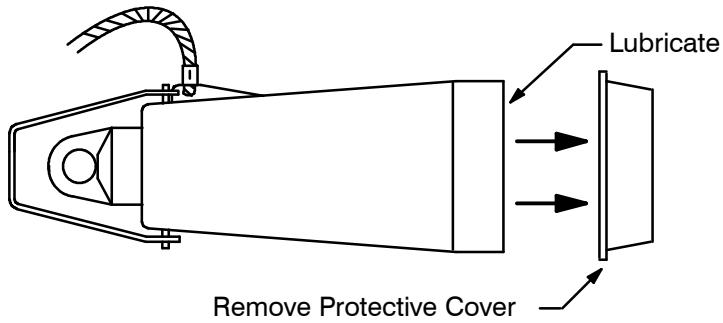
STEP 1

Connect free end of electrostatic grounding wire to the system ground, leaving enough slack for hot-stick operation of the insulated cap. **CAUTION:** The electrostatic grounding wire should be trained so as not to contact the bushing interface during operation. **WARNING:** IF THE GROUND LEAD DISCONNECTS DURING OPERATION, DO NOT ATTEMPT TO REATTACH WITHOUT FIRST PULLING INSULATED CAP OFF THE BUSHING WITH THE HOTSTICK.



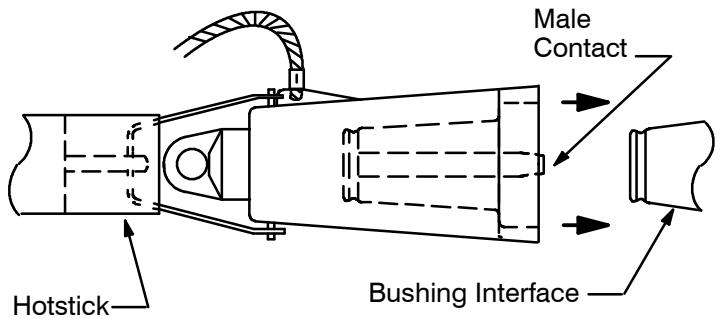
STEP 2

Remove protective cap from the insulated cap and lubricate the receptacle's internal mating surface. Use only ELASTIMOLD approved lubricants. DO NOT SUBSTITUTE. Other lubricants may be harmful to this product and it mating products. Keep the internal mating surface free from dirt and grime. Always replace protective cover when not in use.



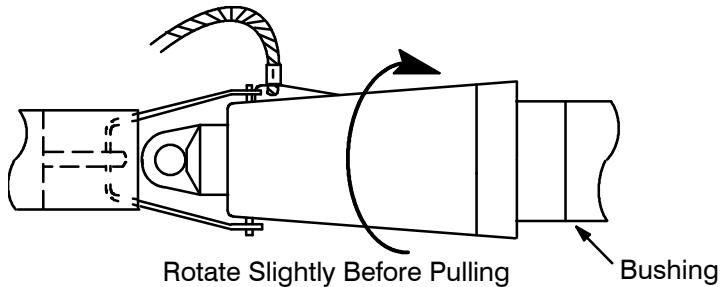
STEP 3

Firmly attach hotstick to the insulated cap pulling eye. Insert the male contact of the insulated cap into the loadbreak bushing, and push home with a fast, firm, straight motion. Make certain it is fully mated, with the locking ring seated. Detach hotstick from the insulated cap.



STEP 4

To remove. Attach hot-stick to pulling eye. Before pulling rotate insulated cap while in the mated position to break surface friction. Pull receptacle off with a fast, firm, straight motion to complete the operation. Remove electrostatic grounding wire of the insulated cap from the system ground. Replace protective cap on insulated cap to keep its internal surface clean.



VOLTAGE TEST

The ELASTIMOLD loadbreak elbow connector is equipped with an integral capacitance test point that can be used to establish whether or not the circuit is energized. When using the test point, complete the following steps:

1. Remove test point cap with a hotstick. When removing cap, PEEL OFF AT AN ANGLE rather than pulling directly in line with the test point assembly.
2. **WARNING: THE VOLTAGE TEST POINT IS A CAPACITANCE DEVICE, IT IS NOT DIRECTLY CONNECTED TO THE CONDUCTOR.** Do not use conventional voltage measuring equipment. Follow the manufacturer's directions for the meter that is used. Test with a suitable sensing device, made for use with separable connectors manufactured with capacitive test points, to determine if cable is energized. Contamination, moisture, dirt, etc. around the test point or use of the wrong measuring equipment can provide a false "no voltage" indication on an energized elbow. To prevent serious or fatal injury treat the elbow as energized until the "no voltage" test point indication is confirmed by other means.
3. After voltage detection has been made, clean and lubricate the inside surface of the cap with silicone grease and replace it on the test point.