

Installation Instructions K1502A1 Deadbreak Feed-Thru Insert

CONTENTS: Deadbreak Feed-Thru Insert, Stainless Steel Plate, Bar, Stainless Steel Hook Bolts, Stainless Steel Wing Nuts, Lubricant (DO NOT SUBSTITUTE), Installation Instructions.

The K1502A1 is designed to provide the apparatus interface and loop feed-thru for Elastimold 25kV class (15.2kV phase-to-ground and 26.3kV phase-to-phase) deadbreak connections.

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 by hand.

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.

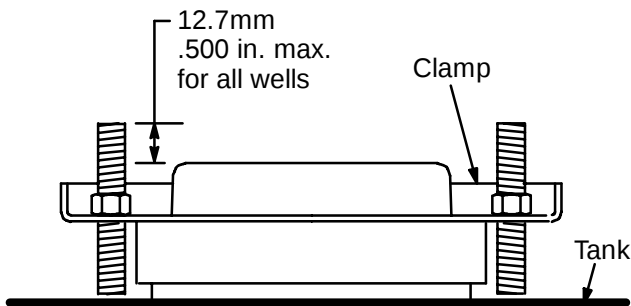
FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD OFFICE.

IMPORTANT

1. Check contents of package to insure they are complete and undamaged.
2. Check all components to insure 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.

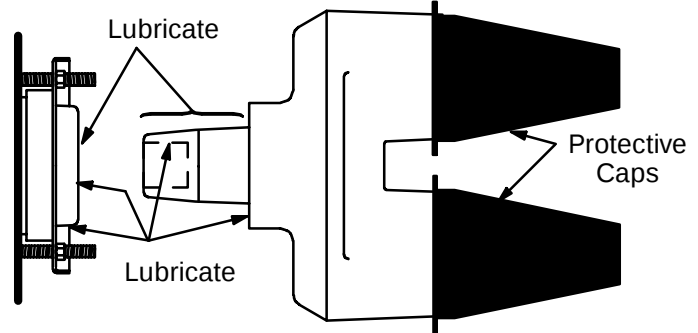
STEP 1

When installing a K1502A1 feed-thru insert in a clampable apparatus bushing well, check the height of the mounting bolts. Hardware which protrudes more than 1/2" (12mm) above the top of the apparatus bushing well will prevent the feed-thru insert from being assembled. If this condition exists, consult with apparatus manufacturer on proper method to shorten bolts.



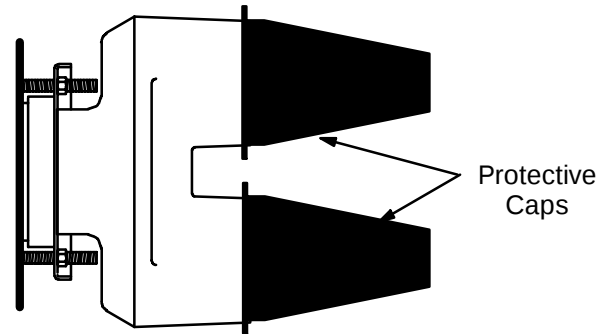
STEP 2

Inspect the apparatus bushing well to ensure it is dry and free from all contaminants. Lubricate the bushing well and outer well surface and the bushing well interface and cuff area of the feed-thru insert with the supplied lubricant or ELASTIMOLD approved lubricants. DO NOT SUBSTITUTE. Other lubricants may be harmful to this product and its mating products.



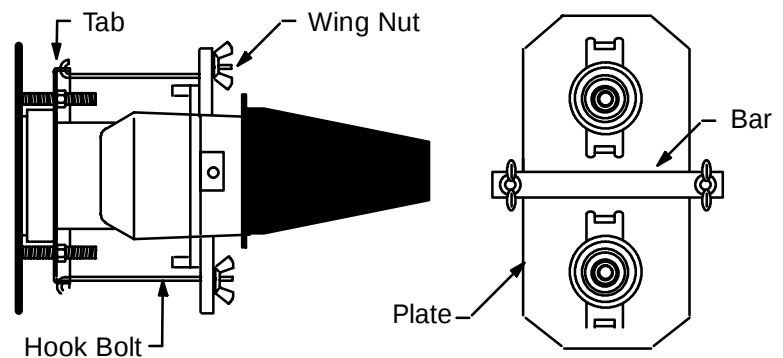
STEP 3

Place the lubricated portion of the feed-thru insert in the apparatus bushing well and rotate feed-thru insert clockwise until fully seated. **DO NOT FORCE.** Overtightening may damage the threads of bushing well. The feed-thru insert has been designed with a special 180° adjustment feature. Feed-thru insert may now be rotated counter-clockwise up to a half turn to obtain desired alignment. A definite stop will be felt at the end of the 180° adjustment range.



STEP 4

Assemble hook bolts in bushing well tabs. Holding plate in position slide bar over hook bolts and assemble wing nuts. Tighten wing nuts securely by hand.

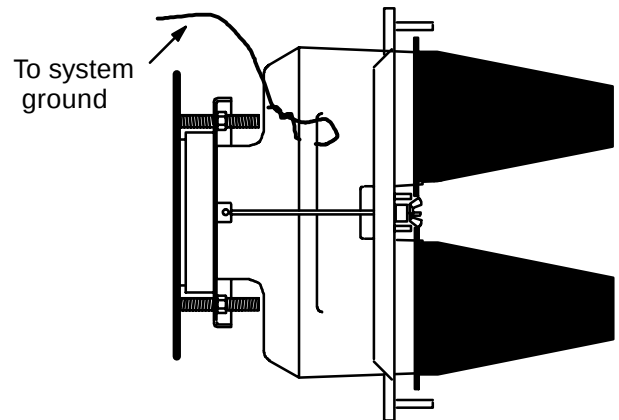


STEP 5

Push a length of copper wire No. 14 AWG (2,5mm²) or equivalent, through one of the grounding tabs on the feed-thru insert. Make a small loop and twist tight, taking care not to damage the conductive shield. Connect free end of wire to the system ground using a suitable connector.

The electrostatic grounding wire should be installed in such a manner so as not to contact the bushing interface or adjacent bushing interfaces or interfere with the placement of accessories on nearby parking stands.

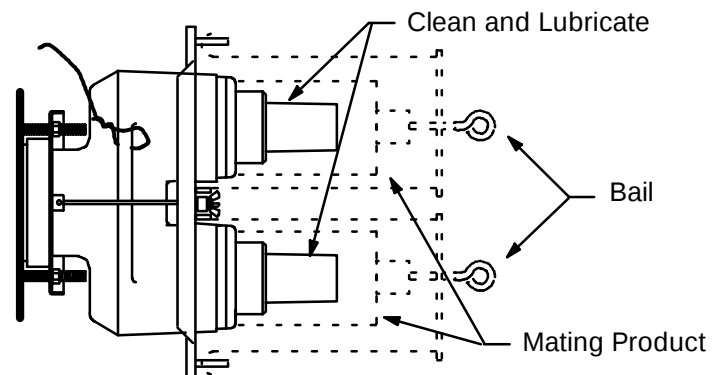
This step provides assurance that the insulation shield on the feed-thru insert is grounded.



STEP 6

Remove protective shipping covers from feed-thru insert. Thoroughly wipe the bushing interface clean of any contaminants and lubricate.

Install and bail the mating products (elbows, elbow arrester or insulated cap) to the feed-thru insert following the instructions supplied with the mating products.



Thomas & Betts