

# Installation Instructions 274J2(1), 274J3(1), 274J4(1)

## Two-, Three-, and Four-Point Loadbreak Junctions

**Contents:** Loadbreak Junction assembled with back plate, Two mounting brackets with hardware, Lubricant and Installation Instructions.

The two-, three-, and four-point loadbreak junctions are designed for universal mounting on both flat and curved surfaces. The mounting angle of the junction is adjustable from 0° thru 90° above or below the horizontal in 15° increments. The two-, three-, and four-way loadbreak junctions are used for sectionalizing, looping, tapping or for apparatus change out.

These junctions provide interconnected apparatus interfaces for Elastimold 25kV class (15.2kV phase-to-ground and 26.3kV phase-to-phase) loadbreak connectors. A yellow band provides indication of full elbow seating and also provides vents for improved switching performance. This product is identified by a round yellow marker attached to the bracket.

### 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.**

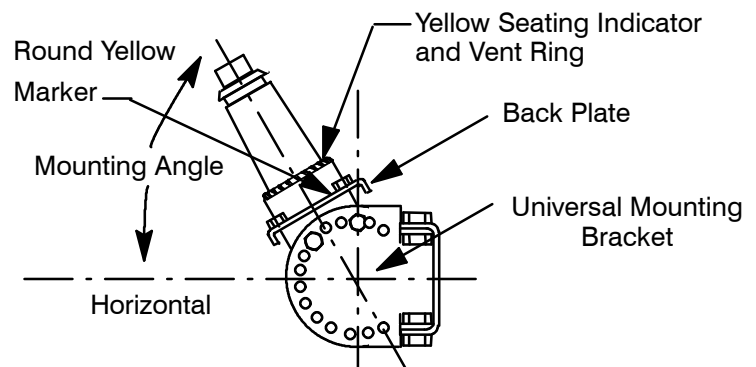
**Failure to follow these instructions will result in damage to the product and serious or fatal injury.**

**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.

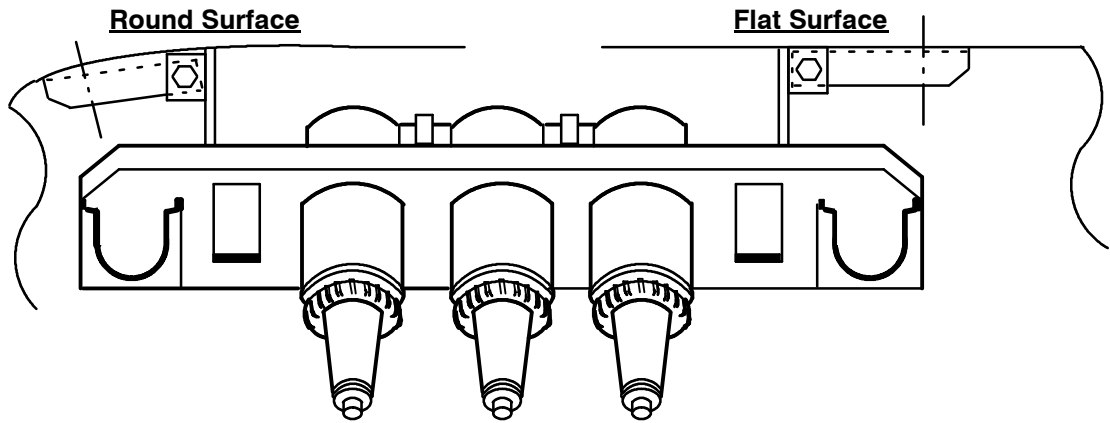
### IMPORTANT

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

Loosely attach universal mounting brackets to the junction back plate and place assembly against the wall. Adjust brackets for proper alignment and mark their location on the wall.

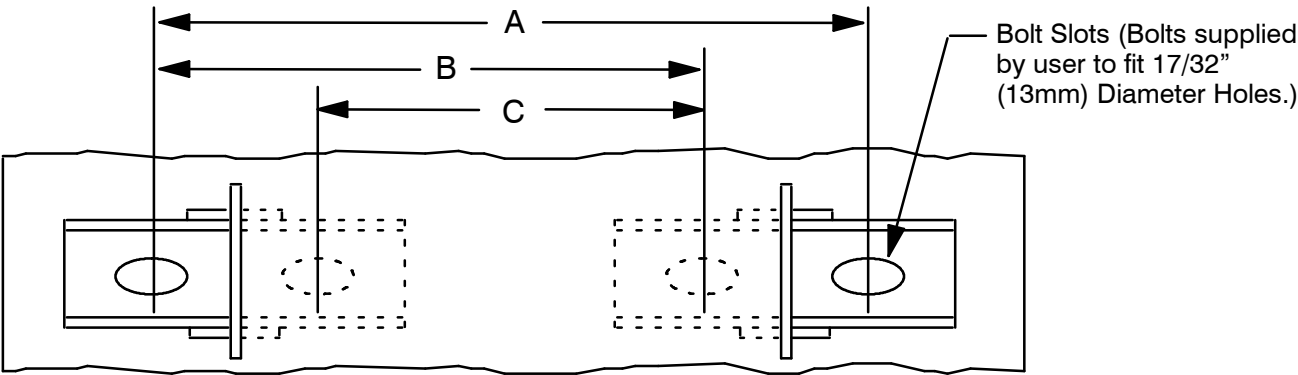


STEP 2

Detach universal mounting brackets from junction back plate. Mount brackets on wall according to marks made in Step 1.

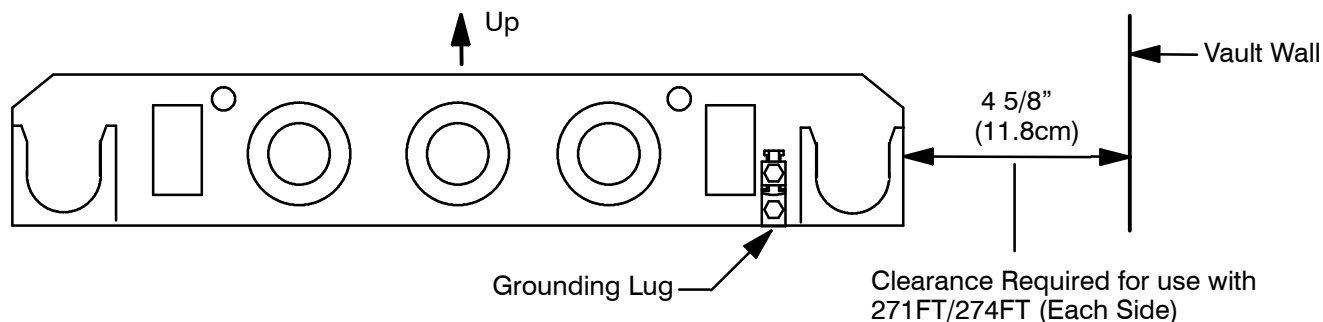
One or both of the mounting brackets can be inverted to change the distance required between bolt centers. The mounting bracket slot length provides the following dimensional ranges between bolt centers.

| Junction<br>Part No. | Mounting Dimensions (Inches)         |                                      |                                      |
|----------------------|--------------------------------------|--------------------------------------|--------------------------------------|
|                      | A                                    | B                                    | C                                    |
| 274J2                | 13 1/2 to 16 7/8<br>34,3cm to 42,9cm | 9 1/2 to 13 1/8<br>24,1cm to 33.3cm  | 5 1/4 to 9 1/4<br>13,3cm to 23,5cm   |
| 274J3                | 17 1/2 to 20 7/8<br>45,5cm to 53,0cm | 13 1/2 to 17 1/8<br>34,3cm to 43.5cm | 9 1/4 to 13 1/4<br>23,5cm to 33,7cm  |
| 274J4                | 21 1/2 to 24 7/8<br>54,6cm to 63,2cm | 17 1/2 to 21 1/8<br>44,5cm to 53.7cm | 13 1/4 to 17 1/4<br>33,7cm to 43,8cm |



### STEP 3

With universal mounting brackets secure, fasten back plate (with junction attached) to mounting brackets, making sure parking stands are in upright position.



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### STEP 4

Adjust mounting angle to desired position.

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### STEP 5

Tighten all bolts securely to assure no movement during operation.

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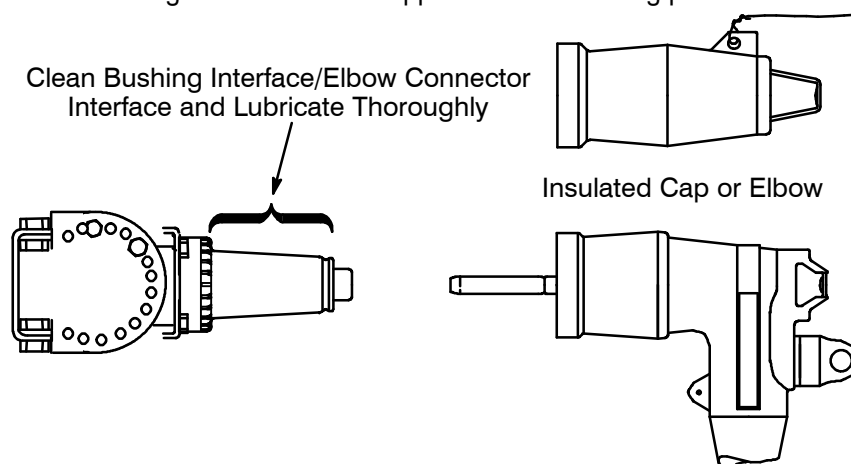
### STEP 6

Ground back plate. A grounding lug is provided for this purpose. It accommodates wire sizes of No. 10 Solid to No. 1 Stranded.

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### STEP 7

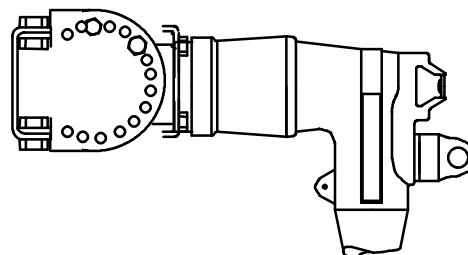
Thoroughly wipe the bushing interface clean of any contaminants and lubricate with the supplied lubricant. Install the mating products to the bushing insert following the instructions supplied with the mating products.



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### STEP 8 SEATING INDICATION

Complete assembly of an insulated cap or elbow is indicated by no portion of the yellow band being visible when viewed from the side.



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**WARNING:** IF ALL OPERATING INTERFACES ARE NOT UTILIZED, AN ELASTIMOLD 273DR INSULATED CAP MUST BE INSTALLED ON THE UNUSED INTERFACE OR INTERFACES BEFORE ENERGIZATION.

DO NOT USE the protective shipping covers for this function as they are not insulated and are only intended to keep the operating interface surfaces clean during handling and installation.

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