Installation Instructions
373 J2, J3, J4

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 35kV class (21.1kV phase-to-ground and 36.6kV phase-to-phase) loadbreak connectors. A black band provides vents for improved switching performance. This product is identified by a round white marker(s) attached to the bracket.

DANGER

All apparatus must be de-energized during installation or removal of part(s). For loadbreak products follow operating instructions.

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.

Contact with solvents, transformer oil, motor oil and similar substances will degrade jacket conductivity and insulation level if not immediately wiped off.

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.

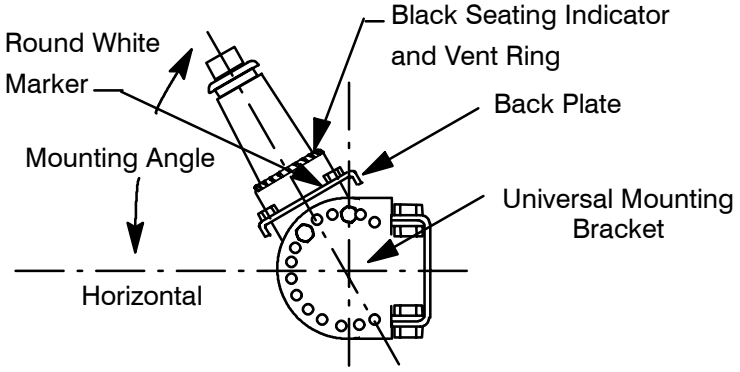
Failure to follow these instructions will result in damage to the product and serious or fatal injury.

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

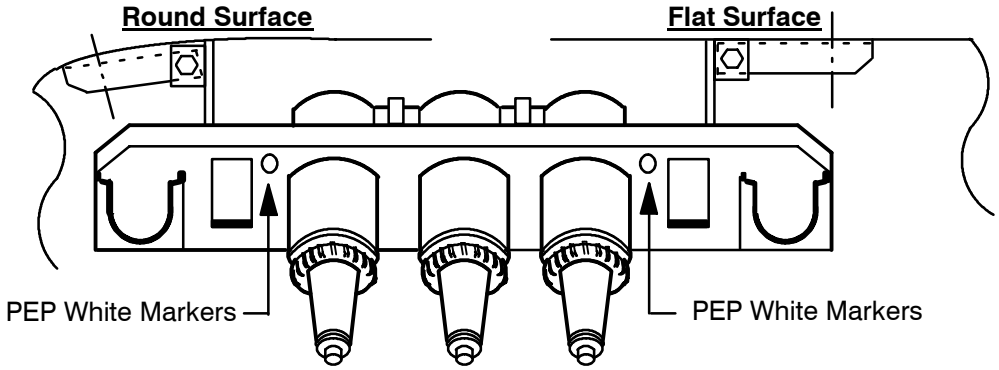
1. Check contents of package to insure they are complete and undamaged.
2. Check all components to insure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.



ELASTIMOLD
Esna Park Drive, Hackettstown, New Jersey 07840 USA
(908)852-1122 FAX: (908)813-2147
A Unit of Thomas & Betts Corporation

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.

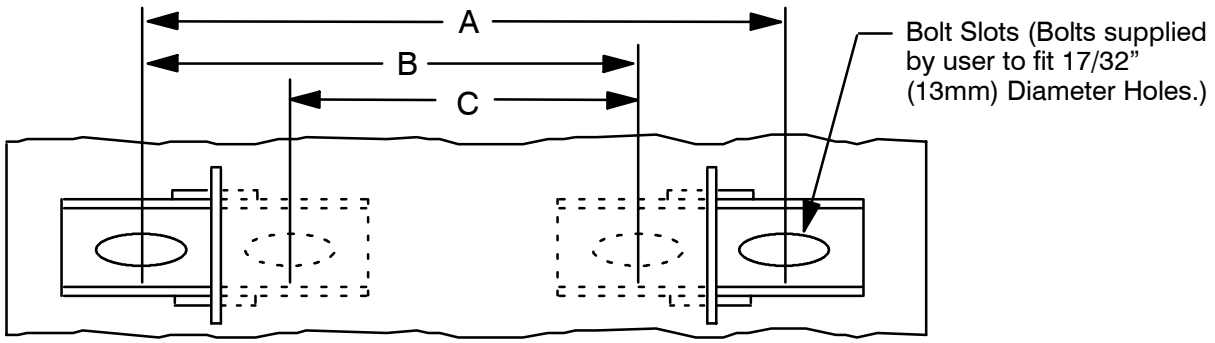


STEP 2

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

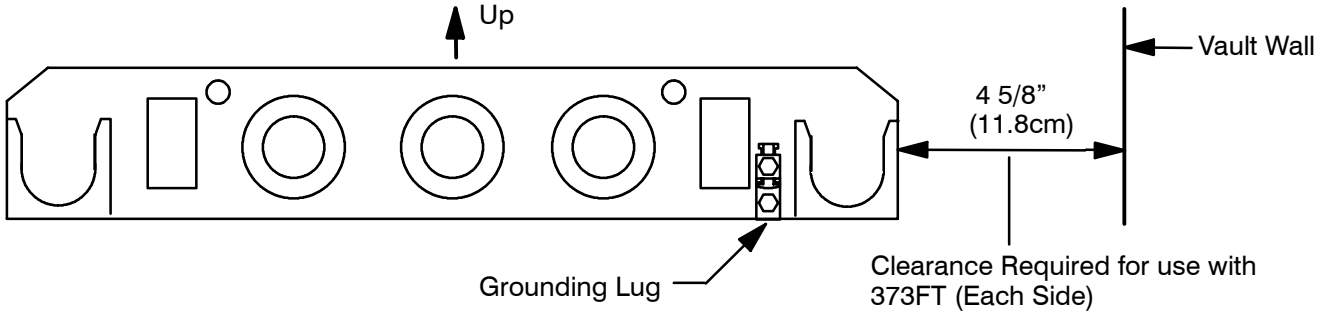
One or both of the mounting brackets can be inverted to change the distance required between bolt centers. The mounting bracket slot length provides the following dimensional ranges between bolt centers.

Junction Part No.	Mounting Dimensions (Inches)		
	A	B	C
373J2	13 1/2 to 16 7/8 34,3cm to 42,9cm	9 1/2 to13 1/8 24,1cm to 33.3cm	5 1/4 to 9 1/4 13,3cm to 23,5cm
373J3	17 1/2 to 20 7/8 45,5cm to 53,0cm	13 1/2 to 17 1/8 34,3cm to 43.5cm	9 1/4 to 13 1/4 23,5cm to 33,7cm
373J4	21 1/2 to 24 7/8 54,6cm to 63,2cm	17 1/2 to 21 1/8 44,5cm to 53.7cm	13 1/4 to 17 1/4 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.

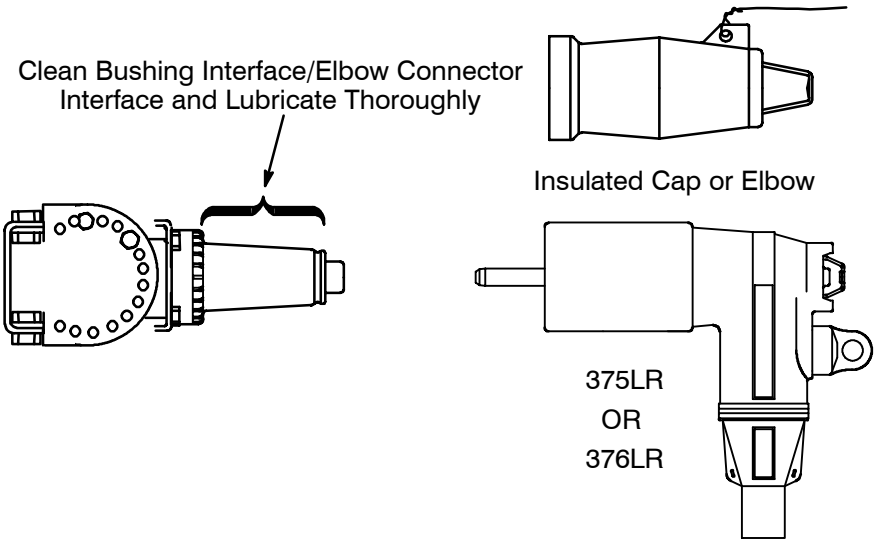


STEP 4
Adjust mounting angle to desired position.

STEP 5
Tighten all bolts securely to assure no movement during operation.

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.

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.



WARNING: IF ALL OPERATING INTERFACES ARE NOT UTILIZED, AN ELASTIMOLD 375DR 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.

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.

ELASTIMOLD
Esna Park Drive, Hackettstown, New Jersey 07840 USA
(908)852-1122 FAX: (908)813-2147
A Unit of Thomas & Betts Corporation