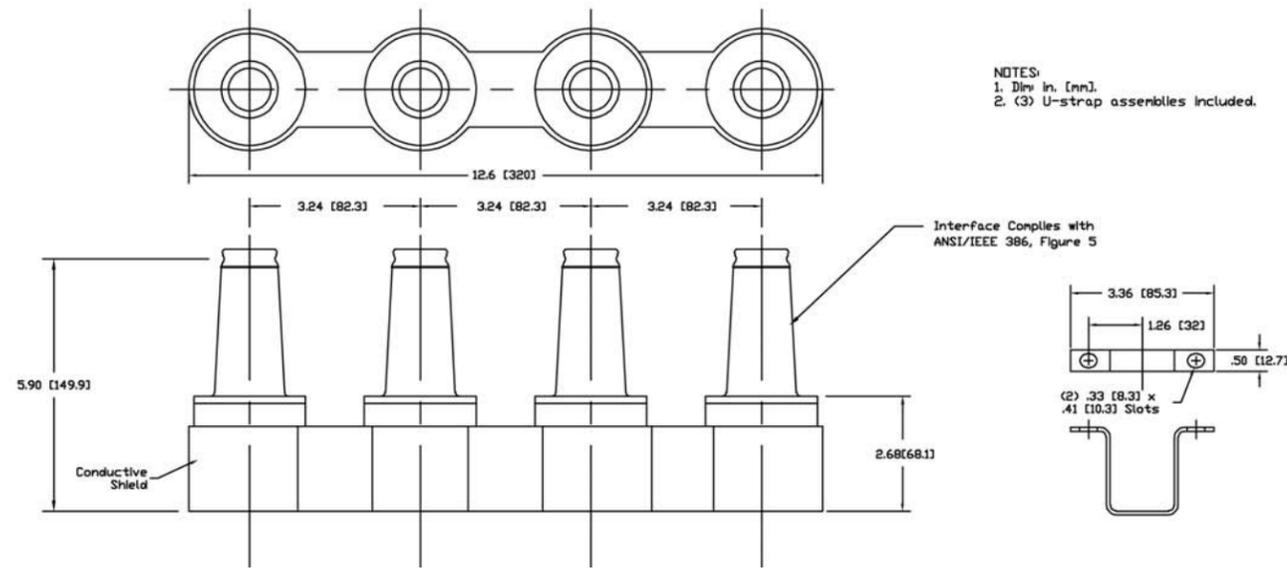
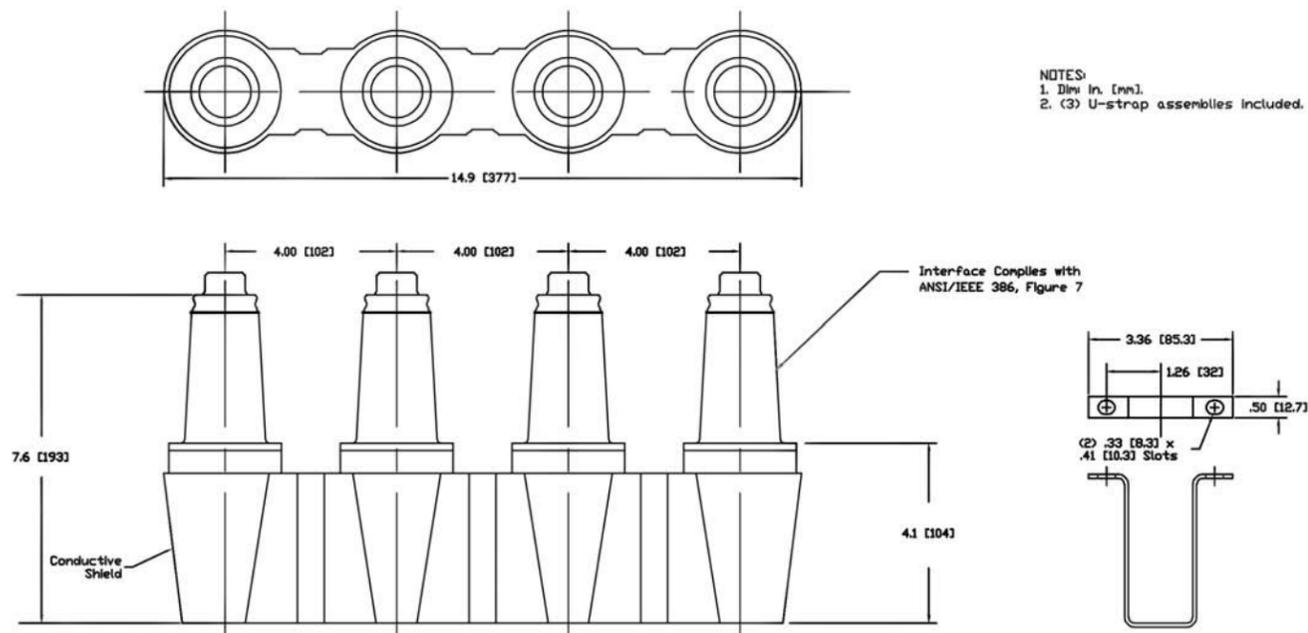


15kV Junction and U-Strap



25/28kV Junction and U-Strap



HUBBELL
Power Systems

**CABLE
ACCESSORIES**



1850 Richland Ave. East • Aiken, SC 29801 • Phone: 573-682-5521 • Fax: 573-682-8714
E-mail: hpsliterature@hps.hubbell.com • Website: <http://www.hubbellpowersystems.com>

NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.
© Copyright 2006 Hubbell Power Systems Printed in U.S.A.

IS200JCT Rev. C 5/13
Page 4

HUBBELL
Power Systems

IS200JCT



Installation & Operating Instructions

15kV & 25/28kV 200 Amp Junctions

DESCRIPTION

Hubbell Junctions are used in underground vaults, sectionalizing cabinets, and other apparatus to provide a loadbreak interface to create taps, loops, & splices in a URD system. These instructions apply for either 2-tap, 3-tap, or 4-tap junction units. Hubbell Junctions meet the requirements of IEEE Standard 386-latest revision.

- 15kv Class: 200A 8.3/14.4kV
- 25kv Class: 200A 15.2/26.3kV
- 28kv Class: 200A 16.2/28.0kV

INSTALLATION TOOLS

- 1/2" wrench
- Hand tools

CONTENT OF PACKAGE

Junction with SS Bracket

- (1) Loadbreak Junction with Frontplate (Assembled)
- (2) Adjustable Mounting Brackets
- (2) Mounting Feet
- (*) Hardware
- (*) Lubricant
- (1) Instruction Sheet
- (1) Ground Lug



Junction with SS Bracket - 215J4B Shown

Junction with U-straps

- (1) Loadbreak Junction
- (*) U-straps with Hardware
- (*) Lubricant (one per tap)
- (1) Instruction Sheet



Junction with U-straps - 215J4U Shown

NOTES

- Check contents of package to ensure that it is complete and components are NOT damaged.

Important: Read these instructions thoroughly before operating the system. Be sure that the connectors are rated for the intended energized use. (See Hubbell catalogs (C1 and C2) for selecting the correct mating product.) Visually inspect parts for damage before using.

⚠ CAUTION

The equipment covered by these instructions should be installed, operated and serviced only by competent personnel trained in good safety practices. This instruction is written for such personnel and is not intended as a substitute for adequate training and experience in safe procedures for this type of equipment.

⚠ DANGER

All apparatus must be de-energized during installation or removal of parts. Do not touch or move energized product by hand. Failure to follow this instruction may result in serious or fatal injury, as well as damage to the product.

⚠ DANGER

Remove all protective shipping caps and replace with an approved insulating cap or connector prior to the junction being submersed or the circuit energized. The protective shipping caps are intended to keep the interfaces clean during shipping and handling and should never be used on energized equipment.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Hubbell Power Systems, Inc.

IS200JCT Rev. C 5/13
Page 1

Installation – Junctions with Brackets

Step 1 – Attach Bracket Feet

Loosely attach bracket mounting feet to the adjustable mounting brackets using supplied 5/16” hardware. See Figure 1.

NOTE: Bracket mounting feet can be aligned to face either the inside or outside direction based on the location and spacing of the mounting holes on the wall.

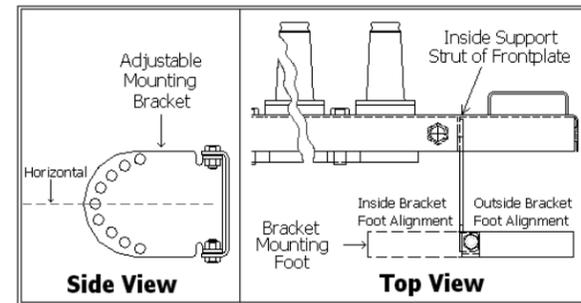


Figure 1

Step 2 – Attach Adjustable Brackets

Align junction frontplate with adjustable mounting brackets ensuring that the desired angle has been obtained. Securely attach bolts once the proper mounting angle has been achieved.

NOTE: Adjustable mounting brackets can be attached to the junction frontplate on either the inside support strut (See Figure 1) or on the outside edge of the frontplate (See Figure 2).

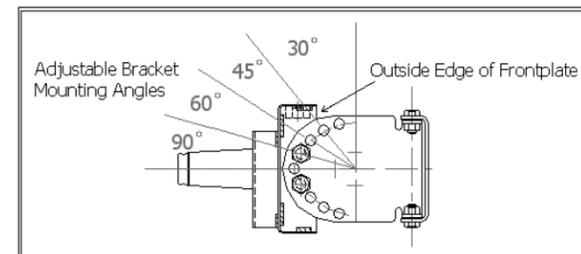


Figure 2

Step 3 – Locate, Mark, & Attach

Locate the full junction assembly to the final position, mark the attachment locations on the mounting surface, and tighten the bracket mounting feet hardware in this final position. Drill holes at the marked locations if required, and securely attach the full junction assembly to the mounting surface using customer supplied hardware. See Figure 3

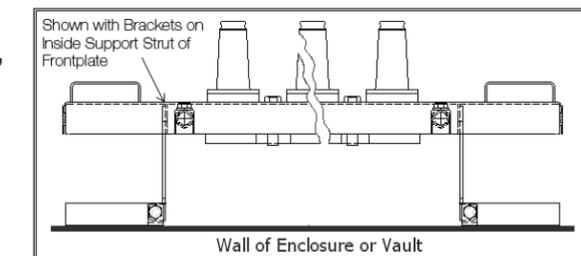


Figure 3

NOTE: Bracket Spacing Clearance

Clearance Required for Vault Wall:

15 kV = 1.75” & 25/28kV = 2.5” (See A in Figure 4)

Clearance Required for Enclosure:

15 kV = 1.75” & 25/28kV = 2.5” (See B in Figure 4)

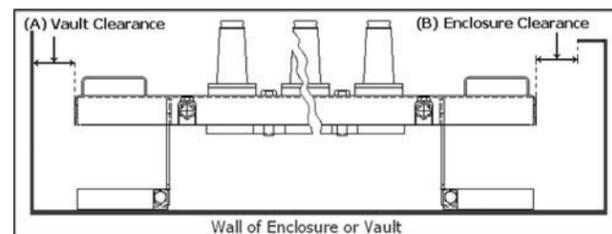


Figure 4

- * Spacing based on Feed-thru in Parking Stands.
- * Allow sufficient space for elbow operation.
- * Consult ANSI C.57.12 for full spacing requirements.

Installation – Junctions with Brackets (continued)

Step 4 – Tighten and Ground

Securely tighten all connections from previous assembly steps and assemble ground clamp to the frontplate. Connect the bracket to system ground with the grounding clamp. See Figure 5

Note: Ground clamp can accommodate wire sizes of #6 to 1/0 stranded.

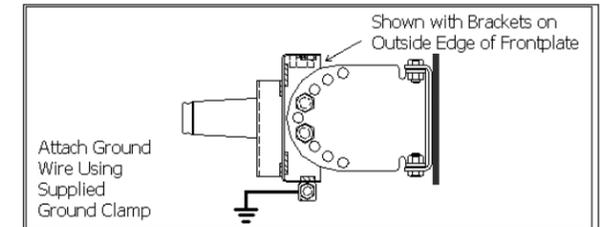


Figure 5

Installation – Junctions with U-straps for Surface Mounting

Step 1 – Locate to apparatus

Locate junction to the final position on the apparatus mounting plate. Check for alignment and mark and drill holes if necessary.

NOTE: U-Strap Spacing Clearance

Allow sufficient spacing to ensure elbow operation is unimpeded by enclosure. See Figure 6

See Figure 6

Step 2 – Attach U-straps and Ground

Place a U-strap between each loadbreak interface and secure junction in place using supplied 5/16” hardware. Connect surface plate or U-straps to system ground. See Figure 7

Note: Make sure to ground U-strap or semi-conductive shield if junction is mounted without a stainless steel back plate.

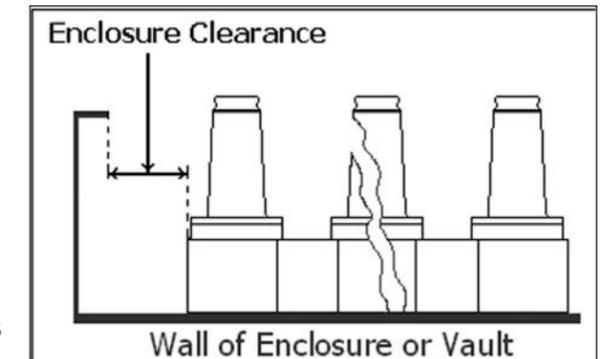


Figure 6

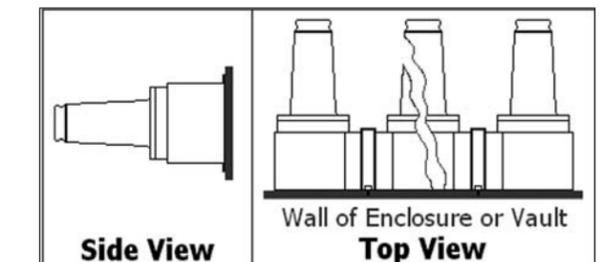


Figure 7

Installation – Junctions with U-straps for Thru-Mounting

Note: A back plate is required to ensure the junction is properly grounded.

* Please consult your Hubbell Representative for more information on this application.