

42kV 1250A IEC INTERFACE TYPE C JUNCTION INSTALLATION & OPERATING INSTRUCTIONS

DESCRIPTION:

The Chardon Junction is used to sectionalize cables or as feed-thru for making lateral bushings. These instructions apply for either 2-bushings, 3-bushings and 4-bushings Junction units. A 3-bushing junction is used for illustration purposes in this instruction sheet. The interface of the Junction meets the requirements for separable insulated connectors, EN 50181 Interface type C. The Chardon Junction meets the requirements of IEC 60502-4 and CENELEC HD 629.1 S2.



JUNCTION WITH U-STRAPS KIT CONTENT:

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| <ul style="list-style-type: none"> ● Junction ● U-straps ● Silicone Grease | <ul style="list-style-type: none"> ● Paper Towel ● Instruction Sheet |
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JUNCTION WITH STAINLESS STEEL BRACKET KIT CONTENT:

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| <ul style="list-style-type: none"> ● Junction with stainless steel bracket ● Silicone Grease | <ul style="list-style-type: none"> ● Paper Towel ● Instruction Sheet |
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CAUTION:

- The installation of Chardon products must be carried out by qualified technical personnel.
- Contact with energized equipment can cause serious damage and even death.
- Wear appropriate protective equipment.
- Make sure Chardon Accessories are completely dry and in good condition at the time of installation.



DANGER:

- Do not touch or handle energized products without adequate protective equipment. Errors in the compliance of this instruction can result in damage to the product, serious injuries to people and even death.
- All associated equipment must be de-energized during installation and maintenance.
- The following instructions do not cover details or variables in the change / installation of the product, to prevent contingencies, please contact the team of Chardon technicians if required.

SAFETY INFORMATION

The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians, who are familiar with this equipment should install, operate and service it.

Warranty

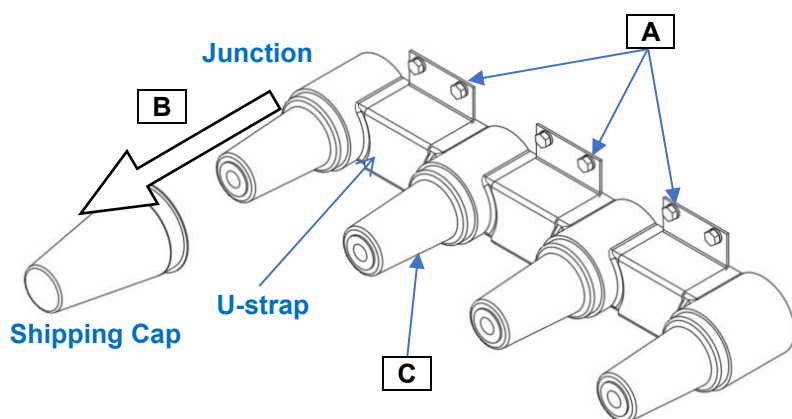
Chardon products are guaranteed for a period of 2 years after their date of purchase, to make this guarantee effective you can come only by presenting a purchase invoice to your authorized Chardon distributor. The warranty will not be valid in the following cases:

1. When the product has been used under conditions other than normal.
2. When the product has not been operated according to the instructions for use.
3. When the product has been altered or repaired by persons not authorized by Chardon.
4. When using components that are not compatible with Chardon accessories.

Inasmuch as CHARDON GROUP, Inc. has no control over the use which others may put the material, it does not guarantee that the same results as those described herein will be obtained, each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible uses of the materials described herein are not to be construed as constituting a license under any CHARDON GROUP, inc. patent covering such use or as recommendations for use of such materials in the infringement of any patent.

FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL DEALER

JUNCTION WITH U-STRAPS INSTALLATION



NOTE:

Do not substitute other lubricants for those provided.

DISASSEMBLY

To remove the connectors from the junction, reverse the operational sequence following applicable operating instructions. Any bushing not being used must be protected from contamination with Insulated Caps .

STEP 1:

- A. Mount the **Junction** on a bracket or tank wall with **U-straps** and tighten the bolts securely.
- B. Remove the **Shipping Caps** from the bushings and make sure they are clean and in perfect condition.
- C. Lubricate the bushings and the interior of the accessories to be installed in them. Do not replace the silicone lubricant supplied in the kit.

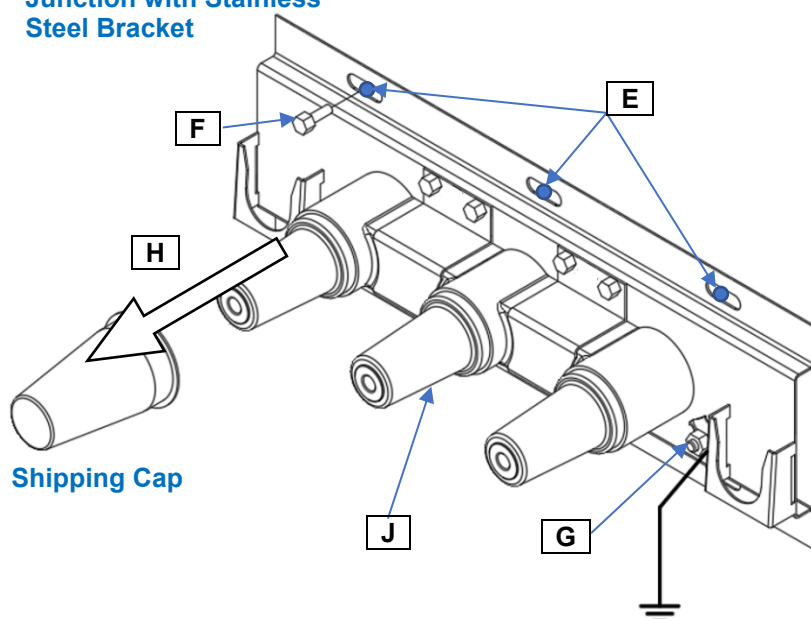
STEP 2:

- D. To install a mating connector, carefully follow the appropriate installation instructions for the connector used.

If a bushing will not be utilized, remove the Shipping Caps and install an **Insulated Cap** following the corresponding installation instructions.

JUNCTION WITH STAINLESS STEEL BRACKET INSTALLATION

Junction with Stainless Steel Bracket



NOTE:

Do not substitute other lubricants for those provided.

DISASSEMBLY

To remove the connectors from the junction, reverse the operational sequence following applicable operating instructions. Any bushing not being used must be protected from contamination with Insulated Caps .

STEP 3:

- E. Place the assembly against the wall and mark the location of the mounting hole on the wall. 12mm(1/2") diameter bolts are recommended for mounting.

STEP 4:

- F. Mount the assembly on the wall according to the marks made in **Step 3** and securely tighten the bolts securing the **Stainless Steel Brackets**.
- G. Ground the bracket to system ground with the grounding clamp of bracket.
- H. Remove the Shipping Caps from the bushings and make sure they are clean and in perfect condition.
- J. Lubricate the bushings and the interior of the accessories to be installed in them. Do not replace the silicone lubricant supplied in the kit.

STEP 5:

- K. To install a mating connector, carefully follow the appropriate installation instructions for the connector used.

If a bushing will not be utilized, remove the shipping caps and install an insulated cap following the corresponding installation instructions.