



hubbellpowersystems.com

IS600SureTap

Sure-Tap™ Installation Instructions



Scan for the installation video



Sure-Tap™ Stud
Stud part numbers:
600 A stud = 625SAST
900 A stud = 925SAST

DESCRIPTION

The Hubbell Sure-Tap™ is designed to mate with a 600 A or 900 A deadbreak elbow to provide a 200 A loadbreak interface for means of testing, phasing, grounding, adding arrester protection, etc..

Sure-Tap™ meets all design and test requirements of IEEE Std 386.

INSTALLATION TOOLS

- 200HE516 (5/16" hex tool)
- 1/2" Wrench
- Torque Wrench

CONTENTS:

- (1) Sure-Tap™ LRTP
- (1) Lubricant (DO NOT SUBSTITUTE)
- (1) Instruction Sheet
- (1) Sure-Tap™ Stud

NOTE:

Check contents 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 catalog C7 for selecting the correct mating product) Visually inspect parts for damage before using.

⚠ WARNING

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.

⚠ WARNING

Remove all protective shipping caps and replace with an approved insulating cap or connector prior to the assembly 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.

⚠ DANGER

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.

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.

Step 1 - Install the related 600 A / 900 A deadbreak connector

Refer to the following installation instructions to install the T-body or Bushing Extender

- Hubbell's 600 A Deadbreak Elbow - Instructions IS628BT
- Hubbell's 600 A Bushing Extender - Instructions IS600BES

Step 2 - Clean & Lubricate

Clean and inspect the 600 A / 900 A interface of Sure-Tap™ and mating product. Uniformly lubricate all mating interfaces with lubricant provided. DO NOT SUBSTITUTE. Other lubricants may be harmful.

Step 3 - Sure-Tap™ Installation

Remove shipping cap from the 200 A loadbreak interface and insert a 5/16" hex tool into the bore of Sure-Tap™ through floating nut and engage the internal hex at the bullet nose. Rotate threads and bullet nose of the Sure-Tap™ with the T-wrench, making sure threads rotate freely (hex tool and shear segment will rotate freely without rotating the entire Sure-Tap™).

Insert bullet nose end of the Sure-Tap™ into the 600 A T-body opposite to the apparatus bushing and engage the threaded compression lug. Sure-Tap™ cannot rotated to engage into compression lug. It may only be engaged by using the allen tool .Continue turning the hex wrench until a positive stop is felt and the threads are fully engaged into the lug. Continue applying clockwise force until the bullet nose shears off and the hex tool rotates freely. Remove bullet nose and recycle

Step 4 - Install stud into apparatus bushing

Ensure unit is de-energized. Supplied stud has two different thread types and lengths. The shorter threaded end of the stud needs to be hand threaded into the apparatus bushing. Long end of stud DOES NOT thread into bushing. Stud should easily thread all the way into bushing by hand. DO NOT CROSS THREAD. Engage the flats on the stud using a 1/2" wrench and tighten an additional 1/4" revolution.

Step 5 - Sure-Tap™/ T-Body Installation on Apparatus Bushing

Clean and uniformly lubricate the apparatus bushing lubricant provided, see step 2. DO NOT SUBSTITUTE. Push the Sure-Tap™ assembly onto the apparatus bushing until the extended length stud contacts the internal threads of the Sure-Tap™. Insert the 5/16" hex tool through the bore of the 200 A tap and engage the floating nut. Torque until the T-body is fully seated onto the bushing and a torque range of 20-60 ft-lbs is achieved using an appropriate torque tool. Ensure torque tool is calibrated.

***Hubbell recommends 55+/-5 ft*lbs for extreme duty applications such as frost heaving and high thru-faults.**

Step 5 - Cap and Ground

Clean and uniformly lubricate the 200 A loadbreak interface and the mating connector, i.e. insulating cap, loadbreak elbow, grounding elbow, elbow arrester. Use lubricant provided. DO NOT SUBSTITUTE. Using an insulated hotstick, install the mating loadbreak connector following appropriate instructions and safe work practices.

Ground all shields using a #14 AWG copper wire or equivalent. Attach wire to one of the ground tabs on the Sure-Tap™. Twist the wire at least two turns at the ground tab, squeeze the loop to secure, and cut off excess wire. Take care not to damage the ground tab. Connect the free end of the wire to system ground, making sure the connection is tight and secure. Leave adequate slack for hotstick operation. Ensure that the mating 200 A loadbreak connector and 600 A T-body are similarly grounded.

