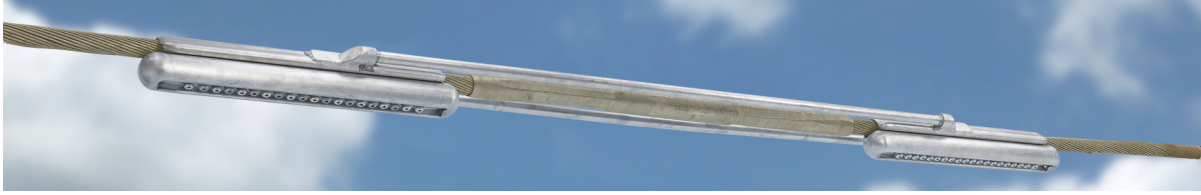


INSTALLATION INSTRUCTIONS
ClampStar® CSR-1631-048 & CSR-1912-060
Assembly for In-Line Splice Shunt

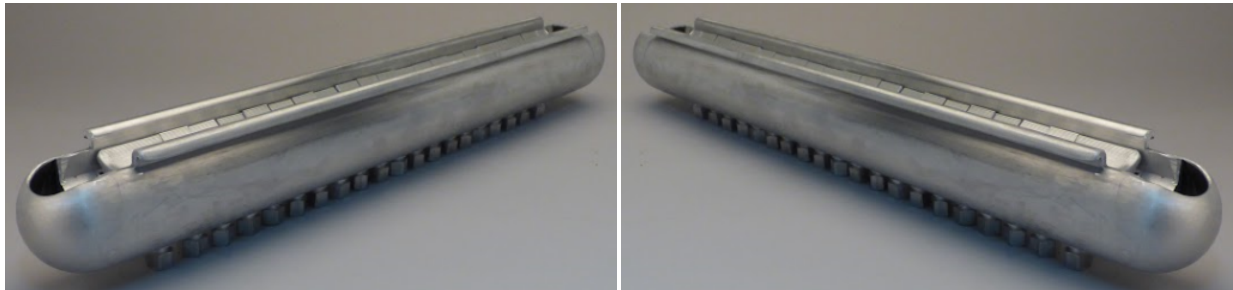


Assure you have the right ClampStar for your conductor. This CSR-1631 is designed to receive conductors with aluminum stranding with overall diameters between 1.292” to 1.631” and the CSR-1912 is designed to receive conductors with aluminum stranding with overall diameters between 1.424” to 1.912”. This includes ACSR, AAC, AAAC, ACSS and ACAR, and also any of the new HTLS type conductors, operating up to 250°C, on all system voltage classes through 500kV, AC and DC.

Prepare the conductor to receive the ClampStar Unit by cleaning and brushing the conductor, using a clean, dry, stainless steel brush, on the surface area where the ClampStar will be placed.

The ClampStar unit comes from the factory, pre-charged with our proprietary CC² Inhibitor Compound. This inhibitor is specifically designed for the ClampStar product, and serves on all applications through 250°C. Additional inhibitor is not required, and other types of compounds are prohibited for use with ClampStar.

Remove the Heads from the body by sliding them out from the ends. They are identical on each end, thus orientation is not required – they may be reinserted from either end.



Heads removed from body assembly.

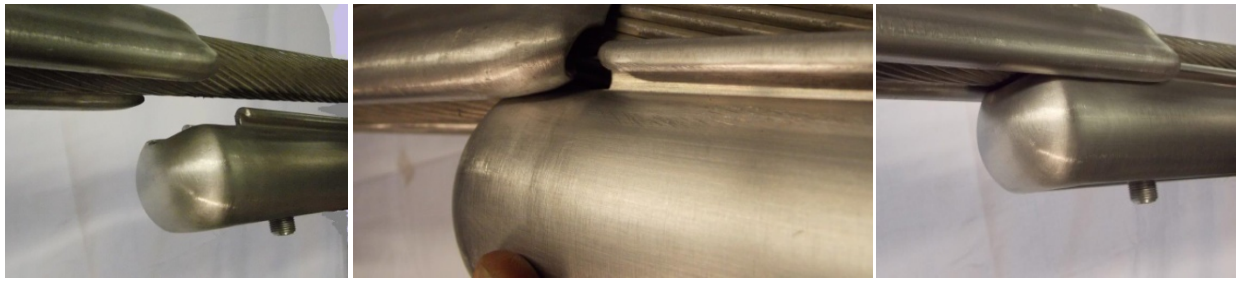


The Body can now be placed into position on top of the conductor with the conductor grooves down. The Body assembly weighs approximately 18 pounds, easy for one man to maneuver...

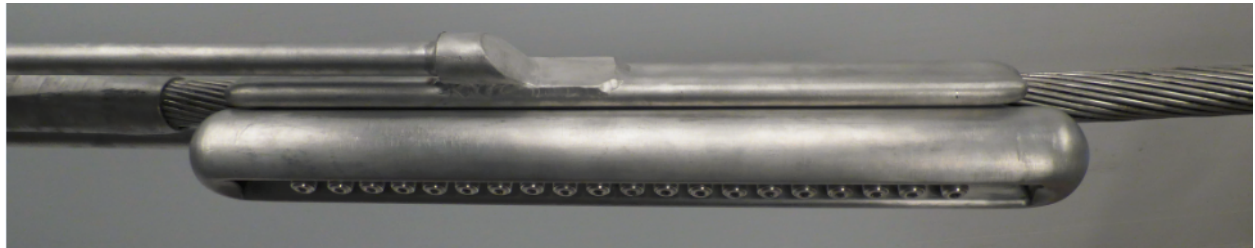
From below, it will look similar to this.



Position the Body equally to each side of the splice...
Slide the Heads in to each respective end of the body.



Slide Head until it abuts solid against inner lip stop – Head will be evenly positioned on body.



This photo shows the fastener heads already sheared off – sorry, I did not have one otherwise.

After assuring body is evenly spaced over the splice, commence tightening the fasteners.
The fasteners may be tightened with either a T-60 Torx® or “star” 6 spline bit, - or - a 3/4” socket.
A T-45 bit is required to loosen the fasteners after the shear head is snapped off.



Go over fasteners in a linear fashion, equivalent to the number of layers of aluminum stranding over the core. For example, a 1590 Falcon ASCR conductor has 3 layers of aluminum stranding over 19 steel core strands. Optimally, one will apply torque to each fastener in succession, 3 times, with the 3rd application of torque continuing until the head snaps off. This will occur at 55 lbf/ft. The end of the fasteners will be within the confines of the corona shielding.



Finished Installation - ClampStar® CSR-1631-048 or CSR-1912-060