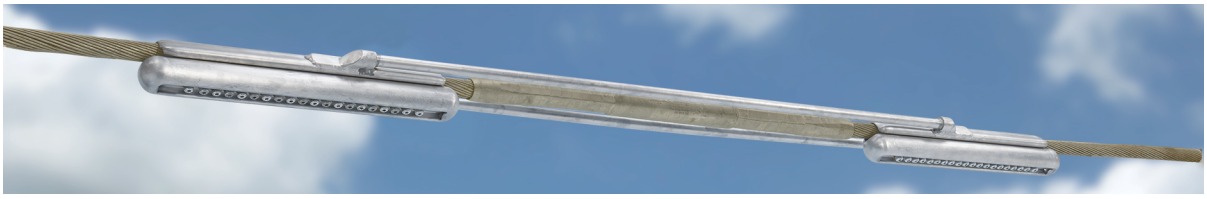
INSTALLATION INSTRUCTIONS

ClampStar® Transmission Class Units

In-Line Splice Shunt



Assure you have the right ClampStar for your conductor.

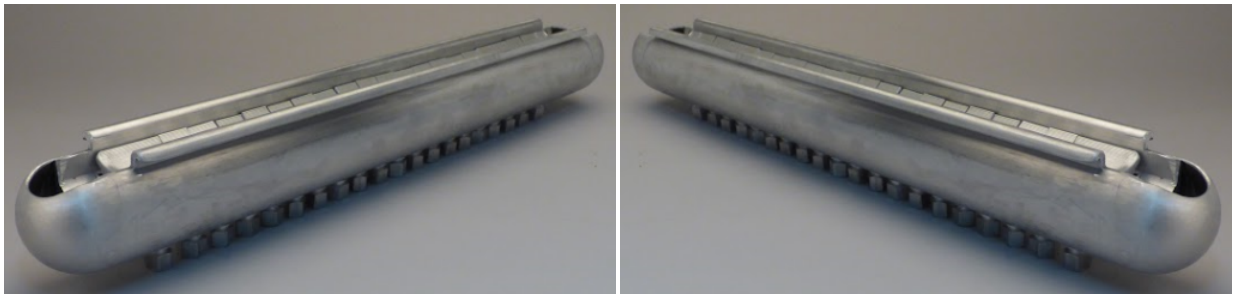
Part #	ACSR Conductor Range	Conductor Diameter Range Inches	Conductor Diameter Range Millimeters
CSR-1140	477 kcmil - 795	0.814 - 1.140	20.7 – 29.0
CSR-1386	605.0 kcmil –	1.051 - 1.386	26.7 – 35.2
CSR-1631	1272 kcmil -1780	1.345 - 1.631	34.2 – 41.4
CSR-1912	1351.5 kcmil - 2515	1.524 -1.912	38.7 – 48.6

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 800kV, 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 CC^2 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.

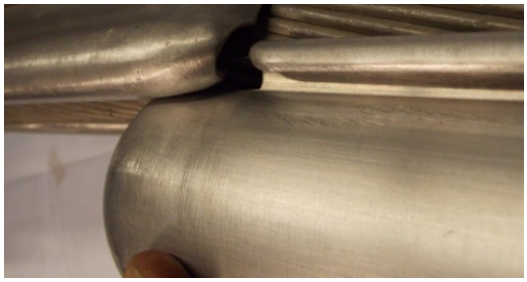
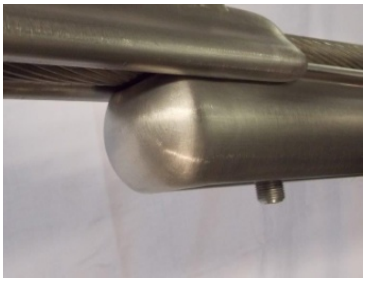


Heads removed from body assembly.

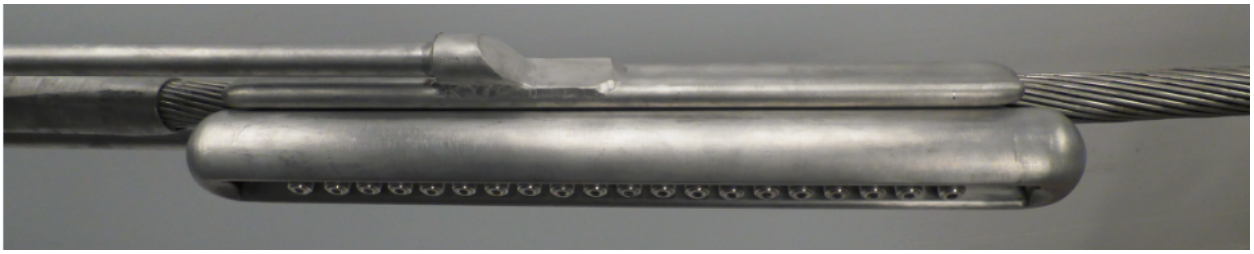
The Body can now be placed into position <u>on top</u> of the conductor with the conductor grooves down. The weight of the Body assembly should be easy for one man to maneuver…

From below, it will look similar to this.

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

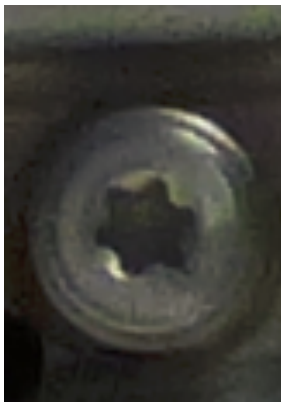




Slide Head until it abuts solid against inner lip stop – Head will be evenly positioned on body.



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 ¾" 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® T-Class unit