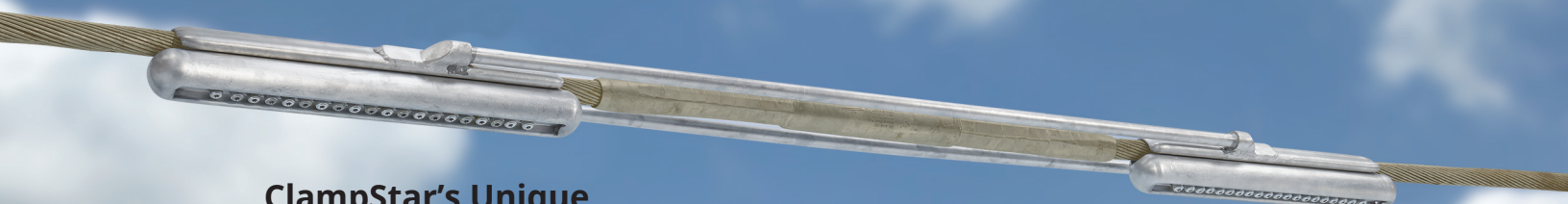


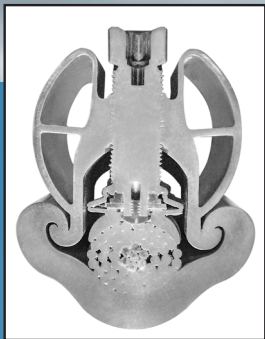
ClampStar®

WHEN YOUR OVERHEAD CONNECTORS ABSOLUTELY, POSITIVELY CANNOT FAIL!

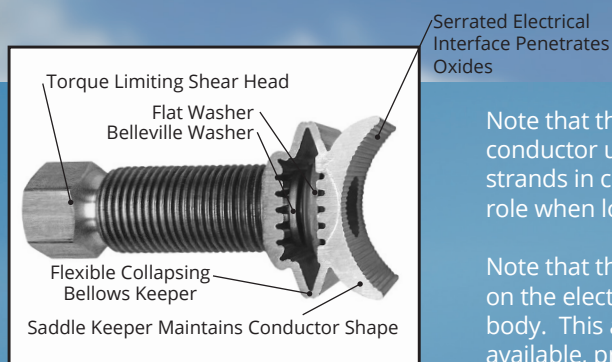
- Available in Full Tension
- Thermal Cycle Tested at 390°C
- Rated for Continuous Service at 250°C
- Corona Free through 800kV AC and 500kV DC



ClampStar's Unique Full Tension Attachment System



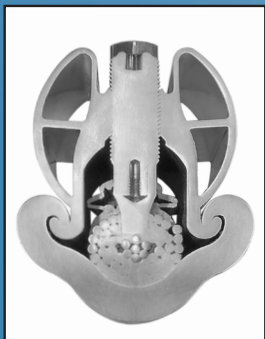
Cutaway View Saddle Keeper



Saddle Keeper Assembly

Note that the Saddle Keeper maintains the round shape of the conductor under compaction of the stranding, preventing the strands in contact from spreading. This plays a very important role when located alternately with the FT Keepers.

Note that the Belleville Washer maintains a resilient force on the electrical interfaces at both the keeper face and the body. This assures the highest integrity electrical connection available, proven by thermal cycle testing at 390°C!



Cutaway View Frusto-Conical Keeper



Frusto-Conical Keeper

Concave (bell shaped) sides allow maximum penetration of the compression face, and combine to force the upper strands to the side, in turn compressing them into the Saddle Keepers.

Compression Face focuses the available force onto a small area, developing over 68,000 pounds of penetrating force. This plastically deforms the aluminum stranding causing it to flow around the steel strand core creating a positive purchase of the steel strands.



The Frusto-Conical Keepers are positioned between Saddle Keepers on the anchor end of the ClampStar. The downward compression sandwiches the core and outward compression interacts with the Saddle Keepers thereby securing the assembly.

Because of their linear position, each of the Saddle Keepers, and in turn, each of the Frusto-Conical Keepers interact with different strands due to the helical lay of the conductor strands. This assures that each core strand is encapsulated in the compressed aluminum center.



ClampStar® IS EASY TO INSTALL

This light weight, three piece design consists of a main ClampStar body weight of 16 lbs. and two individual Keeper Shoes that weigh less than 10 lbs. each, which allows for an easy hot stick installation.

- Installs in **less than 10 minutes** on energized lines
- Decreases total installation time by 70 - 80%
- Easily Installs over existing connectors
- No mechanical grips, Come-Alongs, jumper cables or cutters needed
- Installs with a hot stick or barehand