

## Star Teck Extreme® (STE) – Series Fittings for Teck Cable and ACWU Cable

### Extreme

**Removable armour-stop** is factory installed. Fittings come ready to install on smallest cable in its range. For larger cables, simply unscrew armour-stop and discard. No fitting disassembly required.

### Extreme

**Built-in sealing device** provides 3600 seal even when enclosure surface is rough or uneven.

**Copper-free construction**  
Non-corrosive all aluminum body and gland nut.

**Tapered elastomeric bushing.** Cone shaped to provide a secure, tight fit while eliminating cupping of water in vertical installations.

### Extreme

**Elastomeric collar ring** extends cable diameter range per fitting. Matching cable to fitting hub size is made easy.  
(NOTE : The STE 050-DATA collar ring is made of stainless steel.)

### Extreme

**Sharp biting teeth** provide superior electrical bonding and allow corrosive liquids to drain away quickly.

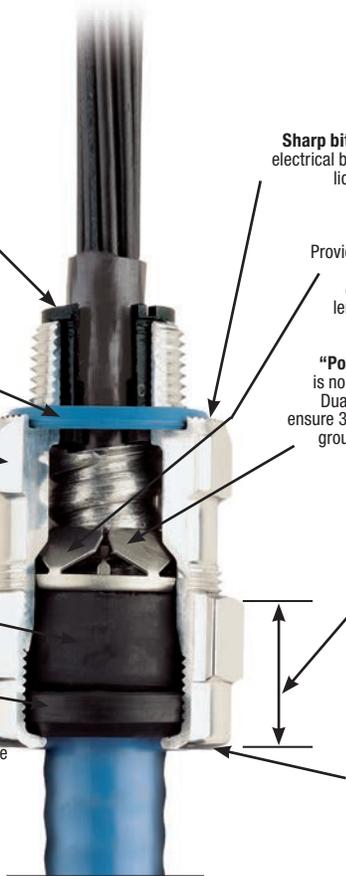
**Exclusive power-grip**  
Provides a grip that's high up on the cable— not on the first convolution—so jacket strip length of cable is not critical.

**"Power Grip" grounding ring** is non-magnetic stainless steel. Dual sets of grounding devices ensure 3600 long-term dependable grounding. It makes immediate contact with the cable during insertion.

### Extreme

**Built-in jacket stripping gauge** on each fitting.

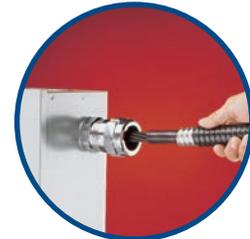
**Low profile gland nut** fits tight spaces. Has grooves for screwdriver installation, and flats for a wrench. Durable and reusable with funnel entry for easy cable insertion.



## Easy Installation



### 1. Prepare cable



### 2a. Insert cable



### 2b. For larger cables, unscrew and discard armour-stop.



### 3. Tighten gland nut

#### Warning:

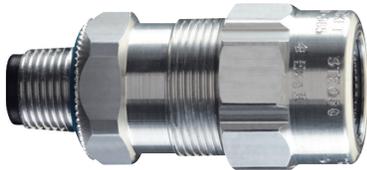
Always ensure that the system is de-energized before performing any installation.

## Suggested specifications for metal-clad cable or teck cable fittings in hazardous locations:

- All metal-clad cable fittings for jacketed and non-jacketed interlocked armour cable, continuous corrugated cable or teck cable shall be approved by a nationally recognized testing laboratory, inspection agency or product evaluation organization.
- Where corrugated-jacketed, metal-clad cable exposed to intermittent or continuous moisture is terminated into a threaded opening, the fitting shall be watertight type furnished with:
  - an elastomeric beveled bushing.
  - a funnel entry, splined gland nut.
  - a non-magnetic, stainless steel grounding device with dual grounding action.
  - a taper threaded hub.
  - a hexagonal body and gland nut as manufactured by Thomas & Betts (aluminum Series STE050).
- A synthetic rubber sealing device shall be captivated in a shoulder groove providing optimized sealing even on irregular surfaces. The configuration shall also prevent over-compression of the seal such as Thomas & Betts Series STE050, by incorporating a shoulder groove.
- With single conductor cable and/or in corrosive environments, aluminum fittings such as Thomas & Betts Series STE050 shall be installed.
- All metal-clad cable fittings, for jacketed and non-jacketed interlocked armour cable, shall provide external bonding/grounding teeth capable of penetrating surface finishes to contact enclosure base metal. (Thomas & Betts Series STE050.)

- All metal-clad cable fittings, for jacketed and non-jacketed interlocked armour cable, shall incorporate an easily removable armour-stop, not requiring fitting disassembly) ensuring proper positioning of the cable armour during cable termination. (Thomas & Betts Series STE050.)

## Star Teck Extreme® (STE) – Series Fittings for Teck Cable and ACWU Cable



Star Teck Extreme® fittings are designed to accommodate a broad range of cables and each hub size overlaps the adjacent hub range, thereby minimizing the possibility of mismatched cables and fittings in the field. Available in hub sizes from 1/2 to 4 in., Star Teck Extreme® fittings will terminate outer jacket diameters from 0.500 to 4.340.

| Cat. No.           | Hub Size (in.) | Strip Length (in.) | Gland Torque (lb-in.) | Range Over Jacket (in.) |       | Range Over Armour (in.) |       | A1 Throat Dia. Min. (in.) w/ Armour Stop | A2 Throat Dia. Min. (in.) w/o Armour Stop | B* Overall (in.) | C Max. O.D. (in.) |
|--------------------|----------------|--------------------|-----------------------|-------------------------|-------|-------------------------|-------|--|---|------------------|-------------------|
|                    |                |                    |                       | Min.                    | Max.  | Min.                    | Max.  |  |   |                  |                   |
| <b>STE050-DATA</b> | 1/2            | 7/8                | 300                   | 0.500                   | 0.700 | 0.410                   | 0.610 | 0.375                                    | 0.515                                     | 2.100            | 1.360             |
| <b>STE050</b>      | 1/2            | 1-1/4              | 300                   | 0.600                   | 0.985 | 0.520                   | 0.895 | 0.505                                    | 0.617                                     | 2.520            | 1.630             |
| <b>STE075</b>      | 3/4            | 1-1/4              | 600                   | 0.860                   | 1.205 | 0.780                   | 1.125 | 0.645                                    | 0.819                                     | 2.840            | 2.080             |
| <b>STE100</b>      | 1              | 1-1/4              | 700                   | 0.950                   | 1.375 | 0.870                   | 1.295 | 0.785                                    | 1.044                                     | 3.020            | 2.300             |
| <b>STE125</b>      | 1-1/4          | 1-3/4              | 1000                  | 1.150                   | 1.625 | 0.990                   | 1.465 | 0.970                                    | 1.250                                     | 4.010            | 2.820             |
| <b>STE150</b>      | 1-1/2          | 1-3/4              | 1200                  | 1.440                   | 1.965 | 1.280                   | 1.805 | 1.260                                    | 1.562                                     | 4.290            | 3.250             |
| <b>STE200</b>      | 2              | 1-3/4              | 1600                  | 1.825                   | 2.375 | 1.665                   | 2.215 | 1.645                                    | 1.995                                     | 4.120            | 3.600             |
| <b>STE250</b>      | 2-1/2          | 2-1/2              | 1600                  | 2.265                   | 2.840 | 2.105                   | 2.680 | 2.075                                    | 2.424                                     | 5.670            | 4.750             |
| <b>STE300</b>      | 3              | 2-1/2              | 1600                  | 2.670                   | 3.270 | 2.545                   | 3.145 | 2.531                                    | 2.890                                     | 5.780            | 5.400             |
| <b>STE350</b>      | 3-1/2          | 2-1/2              | 1600                  | 3.220                   | 3.870 | 3.090                   | 3.640 | 3.065                                    | 3.414                                     | 5.740            | 5.900             |
| <b>STE400</b>      | 4              | 2-1/2              | 1600                  | 3.665                   | 4.340 | 3.550                   | 4.225 | 3.525                                    | 3.914                                     | 5.790            | 6.400             |

\* Approximate dimension before installation.

### Materials

**Aluminum:** The above listed catalogue numbers relate to aluminum fittings.

**Steel:** The body and gland nut on hub sizes 1/2 to 1-1/2 inch are made of steel. The body and gland nut on 2- to 4-inch hub sizes are made of malleable iron. To order a steel fitting, add the suffix "S" to the catalogue number (example STE050S).

### Certifications

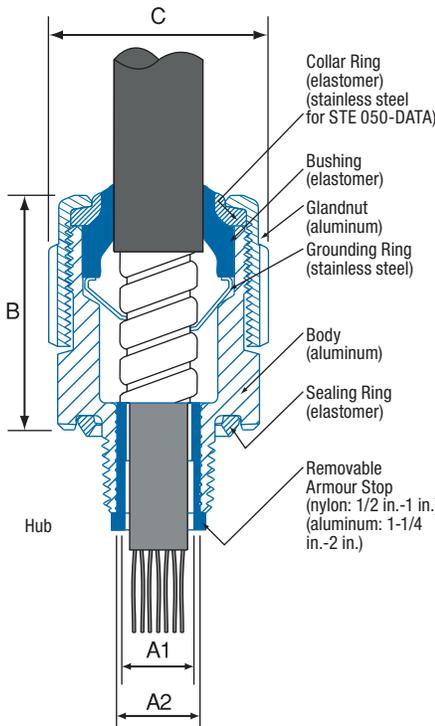
**Type HLA, CSA Certified** Class II, Divisions 1 and 2, Groups E, F, and G; Class III and Enclosure 1/2 to 2 Type 4, 4X and 6P, 2-1/2 to 4 Type 4 and 4X, Classes I, II and III. Suitable for Class I Division 1 locations when used in combination with a certified Class I sealing fitting. Also suitable for Class I Division 2 when installed in accordance with the applicable electrical code. Complies with IEC requirements for Class 1, Zones 1 and 2, when used in combination with a certified Class I hazardous location sealing fitting.

**UL Listed** for metal clad cable, Type 6P. STE050-Data is UL Listed with cables from 0.592 to 0.693 over jacket.

**Note** -To order fittings complete with aluminum BondStar® locknut and lug, add the suffix

"GRL" to the catalogue number (example STE050GRL). For complete details refer to pages A18, A19 of this section.

### Broadest range of teck cable diameters per hub size



| Star Teck Extreme® Cat. No.  | Star Teck® Cat. No. | Hub Size (NPT) (in.) | Range over Jacket (in.) Min. - Max. |
|--|---------------------|----------------------|-------------------------------------|
| Eleven catalogue numbers cover the range from 0.500 to 4.340 inches. |                     |                      |                                     |
| v  | <b>ST038-461S</b>   | 3/8                  | 0.344 - 0.535                       |
| <b>STE050-DATA</b>   | -                   | 1/2                  | 0.500 - 0.700                       |
| <b>STE050</b><br>0.600 - 0.985                                       | <b>ST050-462</b>    | 1/2                  | 0.525 - 0.650                       |
|  | <b>ST050-464</b>    |                      | 0.526 - 0.760                       |
|  | <b>ST050-465</b>    |                      | 0.725 - 0.885                       |
|  | <b>ST050-466</b>    |                      | 0.825 - 0.985                       |
| <b>STE075</b><br>0.860 - 1.205                                       | <b>ST075-467</b>    | 3/4                  | 0.880 - 1.065                       |
|  | <b>ST075-468</b>    |                      | 1.250 - 1.205                       |
| <b>STE100</b><br>0.950 - 1.375                                       | <b>ST100-469</b>    | 1                    | 1.187 - 1.375                       |
| <b>STE125</b><br>1.150 - 1.625                                       | <b>ST125-470</b>    | 1-1/4                | 1.350 - 1.625                       |
|  | <b>ST125-550</b>    |                      | 1.500 - 1.625                       |
|  | <b>ST125-471</b>    |                      | 1.600 - 1.875                       |
| <b>STE150</b><br>1.440 - 1.965                                       | <b>ST150-472</b>    | 1-1/2                | 1.700 - 1.965                       |
|  | <b>ST150-473</b>    |                      | 1.900 - 2.187                       |
| <b>STE200</b><br>1.825 - 2.375                                       | <b>ST200-551</b>    | 2                    | 1.900 - 2.187                       |
|  | <b>ST200-474</b>    |                      | 2.100 - 2.375                       |
|  | <b>ST200-475</b>    |                      | 2.300 - 2.565                       |
|  | <b>ST200-476</b>    |                      | 2.500 - 2.750                       |
| <b>STE250</b><br>2.265 - 2.840                                       | <b>ST250-477</b>    | 2-1/2                | 2.380 - 2.640                       |
|  | <b>ST250-478</b>    |                      | 2.580 - 2.840                       |
| <b>STE300</b><br>2.670 - 3.270                                       | <b>ST300-479</b>    | 3                    | 2.790 - 3.060                       |
|  | <b>ST300-480</b>    |                      | 3.000 - 3.270                       |
|  | <b>ST300-481</b>    |                      | 3.210 - 3.480                       |
| <b>STE350</b><br>3.220 - 3.870                                       | <b>ST350-482</b>    | 3-1/2                | 3.420 - 3.690                       |
|  | <b>ST350-483</b>    |                      | 3.610 - 3.870                       |
| <b>STE400</b><br>3.665 - 4.340                                       | <b>ST400-484</b>    | 4                    | 3.810 - 4.030                       |
|  | <b>ST400-485</b>    |                      | 3.965 - 4.185                       |
|  | <b>ST400-486</b>    |                      | 4.120 - 4.340                       |