

## Star Teck Extreme XP® (STEX) – Hazardous Location Series Fittings for Teck Cable

**Extreme**

Removable armour-stop is factory installed. Fitting comes ready to install on smallest cable in its range. No disassembly required for larger cables – simply unscrew and discard armour-stop. This makes the fitting very range taking.

Copper-free construction – non-corrosive all aluminum body and gland nut.

Exclusive power-grip provides a grip that's high up on the cable – not on the first convolution – so precise cable preparation is not critical.

Tapered elastomeric bushing – cone shaped to provide a secure tight fit while eliminating cupping of water in vertical installations.

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.

**Extreme**

Elastomeric collar ring extends cable diameter range per fitting. Matching cable to fitting hub size is easy.



Built-in O-Ring to ensure liquidtight installation.

High visibility, red union features twist-on action for easy connection and disconnection. Also serves as mechanical splitter to separate hub from fitting during disassembly.

“Power Grip” grounding ring is non-magnetic tin-plated phosphorous bronze or stainless steel. Dual sets of grounding devices ensure 360° long-term dependable grounding. Makes immediate contact with the cable during insertion.

**Extreme**

Built-in cable jacket stripping gauge

Easy to fill sealing chamber – requires less sealing compound – saves time and materials. Optimally designed flame path for easy insertion into hub. Quick-turn lock unitizes assembly during installation. Note : The red armour stop must be removed and discarded prior to potting the fitting.



### Easy Installation



1. Prepare cable



2. Install StarTeck Extreme XP® on cable



3. Tighten gland nut



4. Remove armour stop



5. Pot cable using liquid or putty



6. Insert hub on enclosure

7. Insert cable and tighten red union



Clean, professional cable terminations on the broadest range of teck cable diameters.

**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, tin-plated phosphorous bronze or stainless steel grounding device with dual grounding fingers.
  - a taper threaded hub.
  - a hexagonal body and gland nut as manufactured by Thomas & Betts (aluminum Series STEX075).
- With single conductor cable and/or in corrosive environments, aluminum connectors such as Thomas & Betts Series STE075 shall be installed.
- In hazardous location applications, the fitting shall be of the integral seal type with metal-to-metal contact construction such as Thomas & Betts StarTeck Extreme XP Series. Sealing of multi-conductor or shielded cables shall be accomplished with a liquid type polyurethane compound such as Thomas & Betts Series SC4-KIT-1. Putty type sealing compound such as Thomas & Betts Series SC65 may be used for other applications.
- The fitting must:
  - Provide an environmental seal around the outer jacket of the cable and electrically bond the fitting to the cable armour prior to potting the explosion-proof seal.
  - Allow the possibility of disconnection without disturbing the environmental seal, the electrical bonding or the explosion-proof seal.

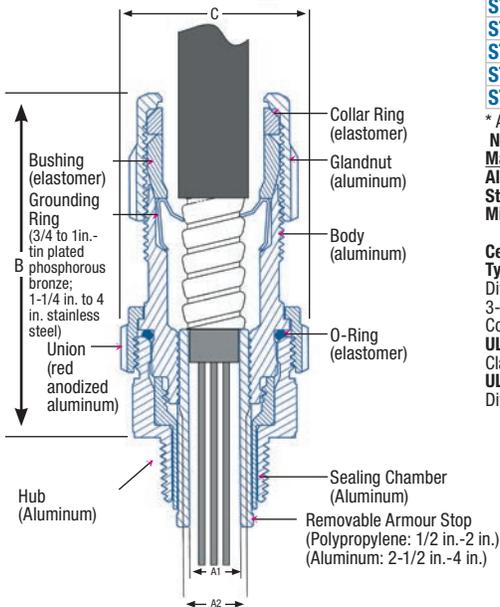
- All metal-clad cable fittings, for jacketed and non-jacketed interlocked armour cable, shall incorporate an easily-removable armour stop (not requiring fitting disassembly) ensuring proper positioning of the cable armour during cable termination, such as Thomas & Betts Series STEX075.

## Star Teck Extreme XP® (STEX) – Hazardous Location Series Fittings for Teck Cable



Star Teck Extreme®

fittings are designed to accommodate a broad range of cables and each hub range overlaps the adjacent hub range, thereby minimizing the possibility of mismatched cables and fittings in the field. They are available in hub sizes from 1/2 to 4 inches, and will handle outer jacket diameters from 0.525 to 3.870 inches.



Cat. No.	Hub Size (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* Length (in.)	C Max. O.D. (in.)	Compound Req'd (approx.) SC65 /SC4-KIT-1 Liquid (CC)
		Min.	Max.	Min.	Max.					
STX050-462	1/2	0.525	0.650	0.415	0.570	N/A***	0.400	2.500	1.630	5
STX050-464	1/2	0.600	0.760	0.490	0.680	N/A***	0.480	2.530	1.630	5
STEX075	3/4	0.600	0.985	0.520	0.895	0.500	0.670	3.400	1.820	8
STEX100	1	0.860	1.205	0.780	1.125	0.645	0.825	3.580	2.300	16
STEX125	1-1/4	0.950	1.375	0.870	1.295	0.829	1.076	3.920	2.510	23
STEX150	1-1/2	1.150	1.625	0.990	1.465	0.953	1.280	5.020	3.260	43
STEX200	2	1.440	1.965	1.280	1.805	1.245	1.565	5.120	3.620	72
STEX250	2-1/2	1.825	2.375	1.665	2.215	1.630	2.000	5.170	4.580	147
STEX300	3	2.265	2.840	2.105	2.680	2.066	2.495	6.610	5.100	286
STEX350	3-1/2	2.670	3.270	2.545	3.145	2.522	2.895	7.380	5.790	366
STEX400	4	3.220	3.870	3.090	3.640	3.060	3.520	7.650	6.190	614

\* Approximate dimension before installation.

Note - Sealing compound not included. Order separately.

### Materials

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

Steel: To order a steel fitting, add the suffix «S» to the catalogue number (example STEX050S).

Minimum quantities may apply (consult your Regional Sales Office).

### Certifications

Type HLA, CSA Certified Class I, Divisions 1 and 2, Groups A, B, C and D; Class II,

Divisions 1 and 2; Groups E, F and G; Class III, SL (integral seal); hub sizes 1/2 through 2-1/2 inches - Enclosure Type 6P; hub sizes 3, 3-1/2 and 4 inches - Enclosure Type 4.

Complies with IEC requirements for Class I, Zones 1 and 2, Groups IIC, IIB and IIA.

UL Listed for 1/2 through 2 inch hub sizes when used with putty or liquid type compound: Class 1, Division 2, Groups A, B, C and D; Class II, Divisions 1 and 2, Groups F and G; Class III and Enclosure Type 6P.

UL Listed for 3-1/2 and 4 when used with putty or liquid type compound: Class 1, Divisions 1 and 2, Groups B, C and D; Class II, Division 2, Groups F and G; Class III and Enclosure Type 4.

## Sealing Compounds



SC4-KIT-1



SC65

For more details, refer to the installation/instruction sheet.

Cat. No.	Description	Volume (cubic centimeter)
SC4-KIT-1	Liquid type sealing compound (includes pouch of sealing compound with integral spout and fiber damming material).	50 cc

Use SC4-KIT-1 liquid compound for shielded cables and cables with 5 conductors or more (including ground).

Cat. No.	Description	Volume (cubic centimeter)
SC65	Putty type sealing compound (cut-to-length stick)	34 cc

Suitable for use on cables with a maximum of four conductors (including ground).

We do not recommend SC65 for use with shielded cables.

Quantity of compound required will vary according to cable conductor fill.

Note - Thomas & Betts hazardous locations fittings with integral seals (STX, STEX and HLT Series) are UL and CSA certified only when used with SC4-KIT-1 or SC65 sealing compounds. No other sealing compounds have been tested, certified or listed.