
 TECHNICAL DATA SHEET

ABB cable glands – STEX Star Teck® extreme series

Hazardous locations



The STAR TECK® STEX Explosion Proof fitting for Teck, MC and ACWU - its innovative design provides quality engineering, easier installation and helps achieve safer, more reliable terminations in challenging industrial environments. The STEX offers a broader cable range per fitting compared to the regular STX series.

Certifications / Standards:


IMPORTANT:

Must be installed with the SC4-KIT-1 sealing compound or the SC65 putty sealing compound. Sold separately. See sealing compounds information.

Features & Benefits:

- Excellent solution for hazardous location
- Excellent pullout strength
- Robust metallic construction
- Quick and easy installation without disassembly
- Extended clamping range taking
- Provides grounding continuity of cable armor
- Removable armor-stop for greater cable ranges

Applications:

- Provides means for passing jacketed metal clad cables through a bulkhead or enclosure in industrial and hazardous areas
- Construction and installation zones where metal clad cables are specified
- Suitable for Class 1 Div 1 areas
- Suitable for cable types:
 - Jacketed Teck
 - Armored control and instrument (ACIC Div2 locations)
 - Type MC: Jacketed corrugated metal clad (aluminum and steel)

Material:

- Copper free aluminum

Sealing compounds information:

- Use SC4-KIT-1 liquid compound for shielded cables and cables with 5 conductors or more (including ground).
- The SC65 is not recommended for use with shielded cables. Suitable for use on cables with a maximum of 4 conductors (including ground).
- Approximate Sealing Compound Volumes:
 - SC4-KIT-1 = 50cc / SC65 = 34cc

Environmental ratings:
Working Temperature:

- Normal use -40 to +90°C (-40 to +194°F)

Ingress protection:

- Type 4 / 4X

Conforms to:

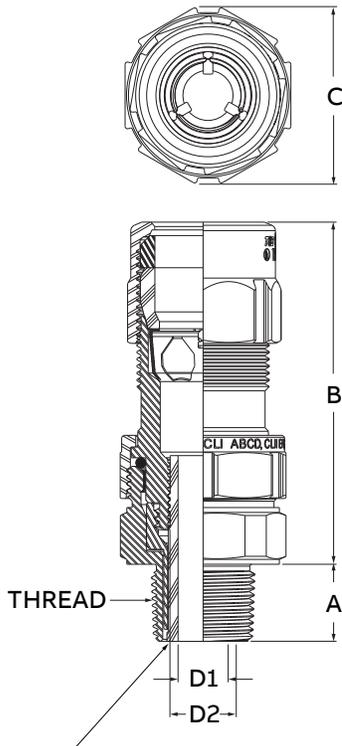
- CSA 22.2-25/ -30/ -174/ -94
 - Class I Div1 ABCD Class II Div1 EFG Class III Div1
- UL2225
 - Class I Div1 ABCD Class II Div1 EFG Class III Div1
- UL514B and CSA C22.2-18.3
 - Wet and Dry Locations
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II

Product selection

Part no:	Thread (NPT)	Max. Vol. of sealing compound	Range over jacket		Range over armour		Nominal dimensions				
			Min	Max	Min	Max	A	B	C	D1	D2
STEX075	3/4	8	15.24 (0.600)	25.02 (0.985)	13.21 (0.520)	22.73 (0.895)	20.07 (0.790)	86.36 (3.400)	46.23 (1.820)	12.70 (0.500)	17.02 (0.670)
STEX100	1	16	21.84 (0.860)	30.61 (1.205)	19.81 (0.780)	28.58 (1.125)	25.02 (0.985)	90.93 (3.580)	61.98 (2.440)	16.38 (0.645)	20.96 (0.825)
STEX125	1-1/4	23	24.13 (0.950)	34.93 (1.375)	22.10 (0.870)	32.89 (1.295)	25.65 (1.010)	99.57 (3.920)	64.01 (2.520)	21.06 (0.829)	27.33 (1.076)
STEX150	1-1/2	43	29.21 (1.150)	41.28 (1.625)	25.15 (0.990)	37.21 (1.465)	26.16 (1.030)	127.51 (5.020)	83.31 (3.280)	24.21 (0.953)	32.51 (1.280)
STEX200	2	72	36.58 (1.440)	49.91 (1.965)	32.51 (1.280)	45.85 (1.805)	26.92 (1.060)	130.05 (5.120)	92.46 (3.640)	31.62 (1.245)	39.75 (1.565)
STEX250	2-1/2	147	46.36 (1.825)	60.33 (2.375)	42.29 (1.665)	56.26 (2.215)	40.13 (1.580)	131.32 (5.170)	115.32 (4.540)	41.40 (1.630)	50.80 (2.000)
STEX300	3	286	57.53 (2.265)	72.14 (2.840)	53.47 (2.105)	68.07 (2.680)	41.66 (1.640)	167.89 (6.610)	125.22 (4.930)	52.48 (2.066)	63.37 (2.495)
STEX350	3-1/2	366	67.82 (2.670)	83.06 (3.270)	64.64 (2.545)	79.88 (3.145)	42.93 (1.690)	187.45 (7.380)	147.07 (5.790)	64.06 (2.522)	73.53 (2.895)
STEX400	4	614	81.79 (3.220)	98.30 (3.870)	78.49 (3.090)	92.46 (3.640)	44.20 (1.740)	194.31 (7.650)	157.23 (6.190)	77.72 (3.060)	89.41 (3.520)

Bold numbers are metric, parenthesis numbers are inches.

Note: Product must be installed in accordance with applicable national and local electrical codes.



REMOVABLE ARMOR STOP, SEE
“D” DIMENSIONS
D1 = WITH ARMOR STOP
D2 = WITHOUT ARMOR STOP

