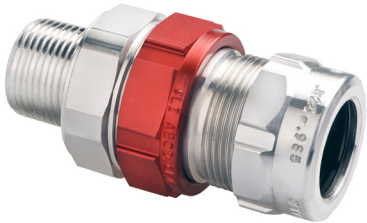


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 TECHNICAL DATA SHEET

# ABB cable glands – STX Star Teck® series

## Hazardous locations



STX is the original STAR TECK® 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.

**Certifications / Standards:**



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**IMPORTANT:**

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

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**Features & Benefits:**

- Excellent solution for hazardous location
- Excellent pullout strength
- Robust metallic construction
- Quick and easy installation without disassembly
- Provides grounding continuity of cable armor
- Splined gland and gripping features for ease of installation

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**Applications:**

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

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**Material:**

- Copper free aluminum
- Zinc plated steel option
- PVC coating available for both materials option

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**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

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**Environmental ratings:**
**Working Temperature:**

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

**Ingress protection:**

- Type 4 / 4X

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**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	D
STX050-462	1/2	5	13.34	16.51	10.41	14.48	20.07	63.50	41.40	10.41
			(0.525)	(0.650)	(0.410)	(0.570)	(0.790)	(2.500)	(1.630)	(0.410)
STX050-464	1/2	5	15.24	19.30	12.45	17.27	20.07	63.50	41.40	12.45
			(0.600)	(0.760)	(0.490)	(0.680)	(0.790)	(2.500)	(1.630)	(0.490)
STX075-465	3/4	8	18.42	22.48	15.67	20.45	20.07	66.55	46.23	15.67
			(0.725)	(0.885)	(0.617)	(0.805)	(0.790)	(2.620)	(1.820)	(0.617)
STX075-466	3/4	8	20.96	25.02	18.42	22.99	20.07	66.55	46.23	18.42
			(0.825)	(0.985)	(0.725)	(0.905)	(0.790)	(2.620)	(1.820)	(0.725)
STX100-467	1	16	22.35	27.05	19.30	25.02	25.02	71.88	61.98	19.30
			(0.880)	(1.065)	(0.760)	(0.985)	(0.985)	(2.830)	(2.440)	(0.760)
STX100-468	1	16	26.04	30.61	22.99	28.58	25.02	71.88	61.98	22.99
			(1.025)	(1.205)	(0.905)	(1.125)	(0.985)	(2.830)	(2.440)	(0.905)
STX125-469	1-1/4	23	30.15	34.93	27.10	32.89	25.65	77.47	64.01	27.10
			(1.187)	(1.375)	(1.067)	(1.295)	(1.010)	(3.050)	(2.520)	(1.067)
STX150-470	1-1/2	43	34.29	41.28	30.15	39.24	26.16	95.50	83.31	30.15
			(1.350)	(1.625)	(1.187)	(1.545)	(1.030)	(3.760)	(3.280)	(1.187)
STX150-550	1-1/2	43	38.10	41.28	34.93	39.24	26.16	95.50	83.31	34.93
			(1.500)	(1.625)	(1.375)	(1.545)	(1.030)	(3.760)	(3.280)	(1.375)
STX150-471	1-1/2	43	40.64	47.63	37.47	45.59	26.16	95.50	83.31	37.47
			(1.600)	(1.875)	(1.475)	(1.795)	(1.030)	(3.760)	(3.280)	(1.475)
STX200-472	2	72	43.18	49.91	39.67	47.88	26.92	102.87	92.46	39.67
			(1.700)	(1.965)	(1.562)	(1.885)	(1.060)	(4.050)	(3.640)	(1.562)
STX200-473	2	72	48.26	55.55	44.75	53.52	26.92	102.87	92.46	44.75
			(1.900)	(2.187)	(1.762)	(2.107)	(1.060)	(4.050)	(3.640)	(1.762)
STX200-474	2	72	53.34	60.33	50.80	57.91	26.92	105.41	102.87	50.80
			(2.100)	(2.375)	(2.000)	(2.280)	(1.060)	(4.150)	(4.050)	(2.000)
STX250-475	2-1/2	147	58.42	65.15	55.63	63.12	40.13	109.47	115.32	55.63
			(2.300)	(2.565)	(2.190)	(2.485)	(1.580)	(4.310)	(4.540)	(2.190)
STX250-476	2-1/2	147	63.50	69.85	60.20	67.46	40.13	109.47	115.32	60.20
			(2.500)	(2.750)	(2.370)	(2.656)	(1.580)	(4.310)	(4.540)	(2.370)
STX300-478	3	286	65.53	72.14	62.64	69.85	41.66	143.26	125.22	62.64
			(2.580)	(2.840)	(2.466)	(2.750)	(1.640)	(5.640)	(4.930)	(2.466)
STX300-479	3	286	70.87	77.72	67.72	75.44	41.66	147.32	133.35	67.72
			(2.790)	(3.060)	(2.666)	(2.970)	(1.640)	(5.800)	(5.250)	(2.666)
STX350-480	3-1/2	366	76.20	83.06	72.90	81.03	42.93	160.53	147.07	72.90
			(3.000)	(3.270)	(2.870)	(3.190)	(1.690)	(6.320)	(5.790)	(2.870)
STX350-481	3-1/2	366	81.53	88.39	77.93	86.11	42.93	160.53	147.07	77.93
			(3.210)	(3.480)	(3.068)	(3.390)	(1.690)	(6.320)	(5.790)	(3.068)
STX400-482	4	614	86.87	93.73	83.72	91.19	44.20	168.40	157.23	83.72
			(3.420)	(3.690)	(3.296)	(3.590)	(1.740)	(6.630)	(6.190)	(3.296)
STX400-483	4	614	91.69	98.30	88.04	95.76	44.20	168.40	157.23	88.04
			(3.610)	(3.870)	(3.466)	(3.770)	(1.740)	(6.630)	(6.190)	(3.466)
STX400-484	4	614	96.77	102.36	92.38	99.82	44.20	180.09	175.26	92.38
			(3.810)	(4.030)	(3.637)	(3.930)	(1.740)	(7.090)	(6.900)	(3.637)
STX400-485	4	614	100.71	106.30	96.06	103.25	44.20	180.09	175.26	96.06
			(3.965)	(4.185)	(3.782)	(4.065)	(1.740)	(7.090)	(6.900)	(3.782)

To order steel version, add suffix "S". Ex: STX050-464S.

To order with PVC coating, add suffix "PVC". Ex: STX050-464SPVC. Contact your representative for availability.

Dimensions may vary depending on material selection.

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

