
 TECHNICAL DATA SHEET

STAR TECK® 90-degree fittings (ST90)

Industrial applications



A natural extension to the Star Teck family, the Star Teck ST90 series for Teck and jacketed armored cables offers innovative design that sets the standard for ease of installation, quality engineering, and for safe and reliable cable termination in challenging industrial environments.

Certifications / Standards:


Features & benefits:

- 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

Applications:

- Provides means for passing Teck 90 and jacketed metal clad cables through a bulkhead or enclosure in industrial and hazardous areas
- Oil and gas, mining, infrastructure, chemical and industrial markets
- Construction and installation zones where Teck and jacketed armored cables are specified
- Suitable for cable types:
 - Teck 90 and ACWU90
 - Armored control and instrument (ACIC)
 - Type MC:
 - Jacketed corrugated metal clad (aluminum and steel)

Material:

- Copper free aluminum
- Stainless steel grounding ring

Environmental ratings:
Working temperature:

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

Ingress protection:

- Type 4/4X & Type 6P

Chemical resistance guide:

- See publication TDS000081

Conforms to:

- CSA E60079-0/-7
 - Ex e II
- CSA C22.2 No.25/-174
 - Class I Div 1 ABCD
 - Class II Div 1 EFG Class III Div 1 - Refer to CEC for specific applications
 - *Class I Div 1 when used in combination with a sealing fitting certified for Class I Div 1 locations
- UL2279
 - Class I, Zone 1, AEx e II
- UL514B/50 and CSA C22.2-18.3/-94
 - Wet and dry Locations
 - Suitable for Class I Div 2, Class II Div 2 and Class III location per NEC
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II

Product selection											
Part no:	Thread (NPT)	Range over jacket		Range over armour		Nominal dimensions					
		Min	Max	Min	Max	A	B	C	D	E	F**
ST90-050-464*	1/2	15.24	19.3	13.46	17.27	15.75	64.26	34.16	12.19	97.28	23.37
		(0.600)	(0.760)	(0.530)	(0.680)	(0.620)	(2.530)	(1.345)	(0.480)	(3.830)	(0.92)
ST90-050-466	1/2	19.05	25.02	17.02	22.73	15.75	67.31	40.64	15.75	109.22	21.46
		(0.750)	(0.985)	(0.670)	(0.895)	(0.620)	(2.650)	(1.600)	(0.620)	(4.300)	(0.845)
ST90-075-468	3/4	24.13	30.61	22.10	28.58	15.75	84.58	51.82	20.83	130.30	30.38
		(0.950)	(1.205)	(0.870)	(1.125)	(0.620)	(3.330)	(2.040)	(0.820)	(5.130)	(1.196)
ST90-100-469	1	29.97	34.93	27.69	32.89	20.07	93.98	57.28	26.42	145.29	32.51
		(1.180)	(1.375)	(1.090)	(1.295)	(0.790)	(3.700)	(2.255)	(1.040)	(5.720)	(1.28)

Contact your representative for availability

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

*ST90-050-464 fitting available with Type 4/4X ingress protection only

**F dimensions represent inner radius of elbow

