

THE INNOVATION CONTINUES

Star Teck[®] ST90 series 90-degree Teck fittings

A new twist on savings



Presenting the ST90 series, a new twist on your favourite Star Teck fittings, designed to save time, space and cable during installation. ST90 series fittings incorporate all the features, reliability and performance you've come to expect from our Star Teck fittings in a 90-degree version.

- Time saving
- Space saving
- Cable saving



Faster and simpler to install

ST90 series fittings incorporate everything you need for 90-degree cable termination.

The three components shown in **photo 1** - Star Teck fitting, rigid elbow and sealing gasket - are an integral part of the ST90 fitting's unique, one-piece design (**photo 2**).

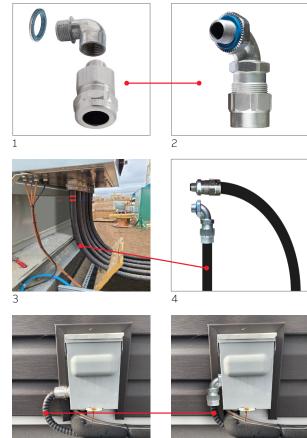
With less separate components to purchase and stock, ST90 fittings simplify product selection and SKU management.

Less space and cable required

The Canadian Electrical Code stipulates that where armoured cables are bent during installation, the bend radius of the inner edge of the cable shall be at least 6 times the external diameter of the armoured cable. For shielded cable, the bend radius must be at least 12 times the external diameter.

Photo 3 shows the additional space and cable required to accommodate a minimum bend radius in a code-compliant installation. A cable terminated with an ST90 fitting has a bend radius that is 80% to 90% smaller than that of corresponding cables (**photo 4**).

Photo 5 shows a cable installation infringing on minimum bend radius as stipulated by the CEC (above). **Photo 6** demonstrates the same termination done with an ST90 series Teck fitting.





THE INNOVATION CONTINUES

Star Teck[®] ST90 series 90-degree Teck fittings

More features and benefits

Superior sealing gasket for enhanced ingress protection:

Locking striations

prevent loosening

of the fitting once

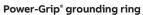
into enclosure to

installed while biting

achieve better binding

Type 4, 4X and 6P*

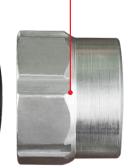
Copper-free aluminum A356-T6 (cast), hardened for higher strength Dual bushing system for broader cable range. Fewer SKUs required (Excludes ST90-464 which contains only one bushing)



- Small fingers hold cable in place for hands-free tightening
- Large fingers help provide superior pullout resistance
- Penetrating 360-degree circular grounding
- Stainless steel construction resists corrosion

One-piece assembly for quick and easy installation without having to remove gland nut for installation





HLA rating: Class I Division 2

Wan say

* ST90-050-464 fitting is rated Type 4/4X only.

Product specifications





Product selection		Values in bold are in millimeters and values in (brackets) are in inches									
Part no:	Thread	Range over jacket		Range over armour		Nominal dimensions					
	(NPT)	Min	Max	Min	Max	А	В	С	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
	3/4	(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)

ABB Installation Products 700 Thomas Avenue Saint-Jean-sur-Richelieu

Quebec J2X 2M9 Tel.: (450) 347-5318 tnb.ca.abb.com



Scan for more information.