

# Liquidtight ST™ Series Plain Throat and STB Series Insulated Throat Connectors and External Grounding Lugs

For Liquidtight Flexible Metal Conduit

**NEC/CEC — Suitable for use in the following Hazardous Locations:**

- Class I, Division 2 per NEC 501.10(B)(4)
- Class I, Zone 2 per NEC 505.15(C)(2)
- Class II, Division 1 per NEC 502.10(A)(2)(2)
- Class II, Division 2 per NEC 502.10(B)(2)

**NEC/CEC — Suitable for use in the following Hazardous Locations:**

- Class III, Division 1 per NEC 503.10(A)(3)(2)
- Class III, Division 2 per NEC 503.10(B)
- Intrinsically Safe per NEC 504.20

## Applications

- For use with liquidtight flexible metal conduit where an external, visible equipment bonding jumper is desired.

## Features

- ST-L Series has plain throat.
- STB-L Series has insulated throat to protect against wire damage.
- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Adequately sized bonded lugs provide excellent grounding continuity and allow for visible ground path inspection.
- Liquidtight/raintight/oiltight/concretetight.
- Suitable for outdoor use.
- Full, machined tapered threads (NPT).

## Standard Material/Finish

- 3/8" thru 1" straight: steel body and compression nut
- 1-1/4" thru 5" straight: malleable iron body and compression nut
- 3/8" thru 4" 45° and 90°: malleable iron body
- 3/8" thru 1" 45° and 90° caps: steel
- 1-1/4" thru 4" 45° and 90° caps: malleable iron
- 3/8" thru 1" ferrule: steel
- 1-1/4" thru 4" ferrule: aluminum
- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder/zinc electroplate

## Certifications and Compliances

- UL Standard: 514B and 467
- UL Listed: E6581
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

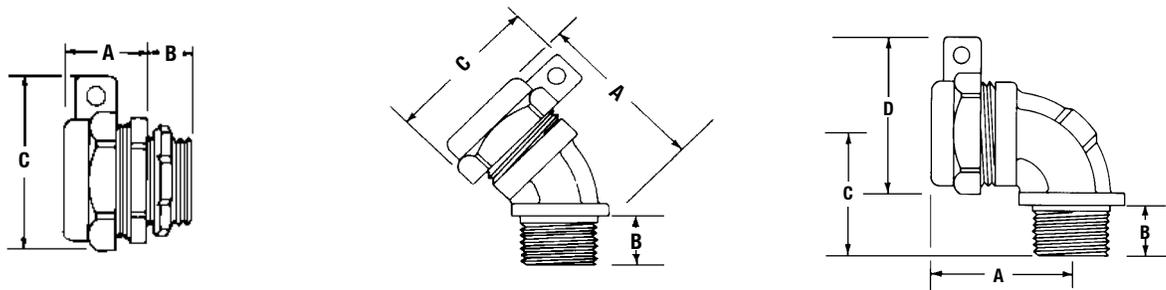


ST-38L

## STD Conduit Thread Size

Flexible Conduit Size (Inches)	NPT Size
3/8	1/2
1/2	1/2
3/4	3/4
1	1
1-1/4	1-1/4
1-1/2	1-1/2
2	2
2-1/2	2-1/2
3	3
3-1/2	3-1/2
4	4
5	5

## Illustrated Dimensions



COMMERCIAL AND INDUSTRIAL FITTINGS: LIQUIDTIGHT CONDUIT FITTINGS

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Conduit Size (Inches)	Dimensions in Millimeters (Inches)				Turning Radius Gland Nut	Grounding Lugs Wire Size	Weight per 100 kg (lb)	Catalog Number
	A	B	C	D				
<b>Straight</b>								
	3/8 flex, 1/2 hub	22.4 (0.88)	12.7 (0.5)	42.9 (1.69)	—	26.9 (1.06)	14-4	8.62 (19.00) <b>ST-38L</b>
	1/2	22.4 (0.88)	12.7 (0.5)	47.8 (1.88)	—	30.2 (1.19)	14-4	8.16 (18.00) <b>ST-50L</b>
	3/4	25.4 (1.00)	12.7 (0.5)	54.1 (2.13)	—	33.3 (1.31)	14-4	12.70 (28.00) <b>ST-75L</b>
	1	28.7 (1.13)	16.0 (0.63)	60.5 (2.38)	—	36.6 (1.44)	14-4	18.14 (40.00) <b>ST-100L</b>
	1-1/4	33.3 (1.31)	16.0 (0.63)	73.2 (2.88)	—	44.5 (1.75)	8-1/0	40.82 (90.00) <b>ST-125L</b>
	1-1/2	35.1 (1.38)	16.0 (0.63)	82.6 (3.25)	—	47.8 (1.88)	8-1/0	57.15 (126.00) <b>ST-150L</b>
	2	38.1 (1.50)	16.0 (0.63)	95.3 (3.75)	—	55.6 (2.19)	8-1/0	78.93 (174.00) <b>ST-200L</b>
	2-1/2	49.3 (1.94)	25.4 (1.00)	117.6 (4.63)	—	69.9 (2.75)	1-4/0	162.84 (359.00) <b>ST-250L</b>
	3	49.3 (1.94)	28.7 (1.13)	134.9 (5.31)	—	77.7 (3.06)	1-4/0	208.20 (459.00) <b>ST-300L</b>
	3-1/2	66.8 (2.63)	28.7 (1.13)	147.6 (5.81)	—	85.9 (3.38)	1-4/0	242.22 (534.00) <b>ST-350L</b>
4	57.2 (2.25)	31.8 (1.25)	165.1 (6.50)	—	92.2 (3.63)	1-4/0	307.08 (677.00) <b>ST-400L</b>	
<b>45°</b>								
	3/8 flex, 1/2 hub	44.5 (1.75)	12.7 (0.50)	42.9 (1.69)	—	26.9 (1.06)	14-4	9.98 (22.00) <b>ST-4538L</b>
	1/2	44.5 (1.75)	14.2 (0.56)	47.8 (1.88)	—	30.2 (1.19)	14-4	9.98 (22.00) <b>ST-4550L</b>
	3/4	52.3 (2.06)	14.2 (0.56)	54.1 (2.13)	—	33.3 (1.31)	14-4	17.24 (38.00) <b>ST-4575L</b>
	1	84.1 (3.31)	12.7 (0.50)	60.5 (2.38)	—	36.6 (1.44)	14-4	23.59 (52.00) <b>ST-45100L</b>
	1-1/4	76.2 (3.00)	16.0 (0.63)	73.2 (2.88)	—	44.5 (1.75)	8-1/0	49.44 (109.00) <b>ST-45125L</b>
	1-1/2	79.5 (3.13)	16.0 (0.63)	82.6 (3.25)	—	47.8 (1.88)	8-1/0	77.56 (171.00) <b>ST-45150L</b>
	2	95.3 (3.75)	14.2 (0.56)	95.3 (3.75)	—	55.6 (2.19)	8-1/0	15.21 (254.00) <b>ST-45200L</b>
	2-1/2	146.1 (5.75)	25.4 (1.00)	117.6 (4.63)	—	69.9 (2.75)	1-4/0	22.02 (269.00) <b>ST-45250L</b>
	3	165.1 (6.50)	28.7 (1.13)	134.9 (5.31)	—	77.7 (3.06)	1-4/0	40.44 (971.00) <b>ST-45300L</b>
	4	190.5 (7.50)	30.2 (1.19)	165.1 (6.50)	—	92.2 (3.63)	1-4/0	91.73 (1525.00) <b>ST-45400L</b>
<b>90°</b>								
	3/8 flex, 1/2 hub	36.6 (1.44)	12.7 (0.50)	31.8 (1.25)	27.4 (1.08)	42.9 (1.69)	14-4	11.79 (26.00) <b>ST-9038L</b>
	1/2	36.6 (1.44)	12.7 (0.50)	33.3 (1.31)	47.8 (1.88)	30.2 (1.19)	14-4	11.79 (26.00) <b>ST-9050L</b>
	3/4	42.9 (1.69)	12.7 (0.50)	38.1 (1.5)	54.1 (2.13)	33.3 (1.31)	14-4	20.41 (45.00) <b>ST-9075L</b>
	1	47.8 (1.88)	12.7 (0.50)	41.4 (1.63)	60.5 (2.38)	36.6 (1.44)	14-4	30.84 (68.00) <b>ST-90100L</b>
	1-1/4	62.0 (2.44)	14.2 (0.56)	52.3 (2.06)	73.2 (2.88)	44.5 (1.75)	8-1/0	54.43 (120.00) <b>ST-90125L</b>
	1-1/2	66.8 (2.63)	14.2 (0.56)	55.6 (2.19)	82.6 (3.25)	47.8 (1.88)	8-1/0	91.17 (201.00) <b>ST-90150L</b>
	2	82.6 (3.25)	19.1 (0.75)	73.2 (2.88)	95.3 (3.75)	55.6 (2.19)	8-1/0	35.62 (299.00) <b>ST-90200L</b>
	2-1/2	189.0 (7.44)	25.4 (1.00)	181.1 (7.13)	117.6 (4.63)	69.9 (2.75)	1-4/0	840.05 (1852.00) <b>ST-90250L</b>
	3	223.8 (8.81)	28.7 (1.13)	215.9 (8.50)	134.9 (5.31)	77.7 (3.06)	1-4/0	503.03 (1109.00) <b>ST-90300L</b>
	4	289.1 (11.38)	28.7 (1.13)	279.4 (11.00)	165.1 (6.50)	92.2 (3.63)	1-4/0	966.15 (2130.00) <b>ST-90400L</b>

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