

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:
Class I, Division 2

Applications

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

Features

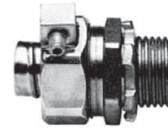
- ST-L Series has plain throat.
- STB-L Series has insulated throat to protect against wire damage.
- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements.
- Ferrule provides maximum surface contact for better sealing and a continuous, permanent, positive 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

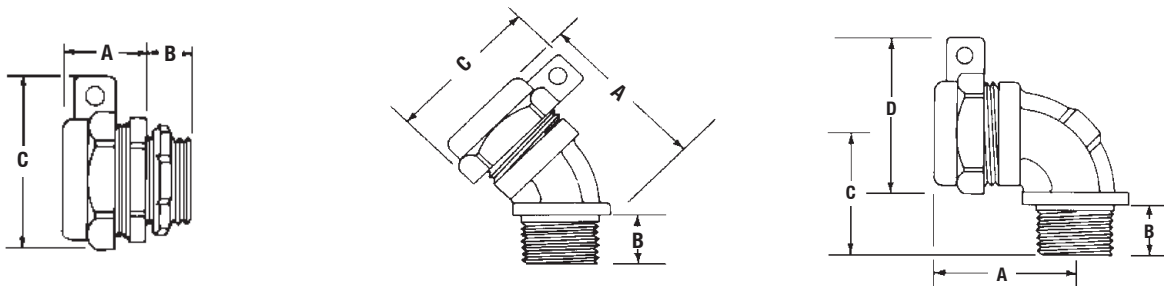


ST-38L

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

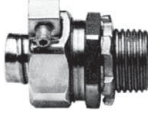
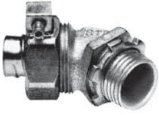

Illustrated Dimensions



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

For Liquidtight Flexible Metal Conduit

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Class I, Division 2

Dimensions in Millimeters (Inches)									
Conduit Size (Inches)	A	B	C	D	Turning Radius Gland Nut	Grounding Lugs Wire Size	Weight per 100 kg (lb)	Catalog Number	
Straight									
	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)	ST-38L
	1/2	22.4 (0.88)	12.7 (0.5)	47.8 (1.88)	—	30.2 (1.19)	14-4	8.16 (18.00)	ST-50L
	3/4	25.4 (1.00)	12.7 (0.5)	54.1 (2.13)	—	33.3 (1.31)	14-4	12.70 (28.00)	ST-75L
	1	28.7 (1.13)	16.0 (0.63)	60.5 (2.38)	—	36.6 (1.44)	14-4	18.14 (40.00)	ST-100L
	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)	ST-125L
	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)	ST-150L
	2	38.1 (1.50)	16.0 (0.63)	95.3 (3.75)	—	55.6 (2.19)	8-1/0	78.93 (174.00)	ST-200L
	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)	ST-250L
	3	49.3 (1.94)	28.7 (1.13)	134.9 (5.31)	—	77.7 (3.06)	1-4/0	208.20 (459.00)	ST-300L
	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)	ST-350L
4	57.2 (2.25)	31.8 (1.25)	165.1 (6.50)	—	92.2 (3.63)	1-4/0	307.08 (677.00)	ST-400L	
45°									
	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)	ST-4538L
	1/2	44.5 (1.75)	14.2 (0.56)	47.8 (1.88)	—	30.2 (1.19)	14-4	9.98 (22.00)	ST-4550L
	3/4	52.3 (2.06)	14.2 (0.56)	54.1 (2.13)	—	33.3 (1.31)	14-4	17.24 (38.00)	ST-4575L
	1	84.1 (3.31)	12.7 (0.50)	60.5 (2.38)	—	36.6 (1.44)	14-4	23.59 (52.00)	ST-45100L
	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)	ST-45125L
	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)	ST-45150L
	2	95.3 (3.75)	14.2 (0.56)	95.3 (3.75)	—	55.6 (2.19)	8-1/0	15.21 (254.00)	ST-45200L
	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)	ST-45250L
	3	165.1 (6.50)	28.7 (1.13)	134.9 (5.31)	—	77.7 (3.06)	1-4/0	40.44 (971.00)	ST-45300L
	4	190.5 (7.50)	30.2 (1.19)	165.1 (6.50)	—	92.2 (3.63)	1-4/0	91.73 (1525.00)	ST-45400L
90°									
	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)	ST-9038L
	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)	ST-9050L
	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)	ST-9075L
	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)	ST-90100L
	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)	ST-90125L
	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)	ST-90150L
	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)	ST-90200L
	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)	ST-90250L
	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)	ST-90300L
	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)	ST-90400L

COMMERCIAL AND INDUSTRIAL FITTINGS: LIQUIDTIGHT CONDUIT FITTINGS



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Class I, Division 2

Dimensions in Millimeters (Inches)

Conduit Size (Inches)	A	B	C	D	Turning Radius Gland Nut	Grounding Lugs Wire Size	Weight per 100 kg (lb)	Catalog Number
Straight								
3/8 flex, 1/2 hub	22.4 (0.88)	12.7 (0.5)	42.9 (1.69)	—	26.9 (1.06)	14-4	8.16 (18.00)	STB-38L
1/2	22.4 (0.88)	12.7 (0.5)	47.8 (1.88)	—	30.2 (1.19)	14-4	8.62 (19.00)	STB-50L
3/4	25.4 (1.00)	12.7 (0.5)	54.1 (2.13)	—	33.3 (1.31)	14-4	3.15 (29.00)	STB-75L
1	28.7 (1.13)	16.0 (0.63)	60.5 (2.38)	—	36.6 (1.44)	14-4	18.14 (40.00)	STB-100L
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)	STB-125L
1-1/2	35.1 (1.38)	16.0 (0.63)	82.6 (3.25)	—	47.8 (1.88)	8-1/0	56.70 (125.00)	STB-150L
2	38.1 (1.50)	16.0 (0.63)	95.3 (3.75)	—	55.6 (2.19)	8-1/0	81.19 (179.00)	STB-200L
2-1/2	49.3 (1.94)	25.4 (1.00)	117.6 (4.63)	—	69.9 (2.75)	1-4/0	158.30 (349.00)	STB-250L
3	49.3 (1.94)	28.7 (1.13)	134.9 (5.31)	—	77.7 (3.06)	1-4/0	208.20 (459.00)	STB-300L
3-1/2	66.8 (2.63)	28.7 (1.13)	147.6 (5.81)	—	85.9 (3.38)	1-4/0	244.49 (539.00)	STB-350L
4	57.2 (2.25)	31.8 (1.25)	165.1 (6.50)	—	92.2 (3.63)	1-4/0	303.00 (668.00)	STB-400L
45°								
3/8 flex, 1/2 hub	44.5 (1.75)	12.7 (0.50)	42.9 (1.69)	—	26.9 (1.06)	14-4	9.53 (21.00)	STB-4538L
1/2	44.5 (1.75)	14.2 (0.56)	47.8 (1.88)	—	30.2 (1.19)	14-4	9.53 (21.00)	STB-4550L
3/4	52.3 (2.06)	14.2 (0.56)	54.1 (2.13)	—	33.3 (1.31)	14-4	16.33 (36.00)	STB-4575L
1	84.1 (3.31)	12.7 (0.50)	60.5 (2.38)	—	36.6 (1.44)	14-4	24.95 (55.00)	STB-45100L
1-1/4	76.2 (3.00)	16.0 (0.63)	73.2 (2.88)	—	44.5 (1.75)	8-1/0	48.99 (108.00)	STB-45125L
1-1/2	79.5 (3.13)	16.0 (0.63)	82.6 (3.25)	—	47.8 (1.88)	8-1/0	75.30 (166.00)	STB-45150L
2	95.3 (3.75)	14.2 (0.56)	95.3 (3.75)	—	55.6 (2.19)	8-1/0	108.41 (239.00)	STB-45200L
2-1/2	146.1 (5.75)	25.4 (1.00)	117.6 (4.63)	—	69.9 (2.75)	1-4/0	348.81 (769.00)	STB-45250L
3	165.1 (6.50)	28.7 (1.13)	134.9 (5.31)	—	77.7 (3.06)	1-4/0	457.67 (1009.00)	STB-45300L
4	190.5 (7.50)	30.2 (1.19)	165.1 (6.50)	—	92.2 (3.63)	1-4/0	822.36 (1813.00)	STB-45400L
90°								
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)	STB-9038L
1/2	36.6 (1.44)	12.7 (0.50)	33.3 (1.31)	47.8 (1.88)	30.2 (1.19)	14-4	12.25 (27.00)	STB-9050L
3/4	42.9 (1.69)	12.7 (0.50)	38.1 (1.5)	54.1 (2.13)	33.3 (1.31)	14-4	19.96 (44.00)	STB-9075L
1	47.8 (1.88)	12.7 (0.50)	41.4 (1.63)	60.5 (2.38)	36.6 (1.44)	14-4	29.03 (64.00)	STB-90100L
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	55.34 (122.00)	STB-90125L
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	89.81 (198.00)	STB-90150L
2	82.6 (3.25)	19.1 (0.75)	73.2 (2.88)	95.3 (3.75)	55.6 (2.19)	8-1/0	132.00 (291.00)	STB-90200L
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	385.10 (849.00)	STB-90250L
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)	STB-90300L
4	289.1 (11.38)	28.7 (1.13)	279.4 (11.00)	165.1 (6.50)	92.2 (3.63)	1-4/0	981.12 (2163.00)	STB-90400L

COMMERCIAL AND INDUSTRIAL FITTINGS: LIQUIDTIGHT CONDUIT FITTINGS



Appleton