

# Aluminum Liquidtight ST Series Connectors with Plain Throat

For Liquidtight Flexible Metal Conduit

Suitable for use in Class I, Division 2

## Applications

- Provides a dependable connection for liquidtight flexible metal conduit.

## Features

- Lightweight aluminum construction facilitates installation.
- Seals out oil, water, dust, dirt and fumes.
- High corrosion resistance.
- 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.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined tapered threads (NPT).
- Compact design with small turning radius.

## Standard Material

- Copperfree (4/10 of 1% of copper or less) aluminum

## Certifications and Compliances

- UL Standard: 514B
- UL Listed: E14814
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

|                                                                                     | Catalog Number  | Trade Size (Inches) | STD Pipe Thread Size | Dimensions in Inches/Millimeters |           |            | Weight Lbs./Kgs. Per 100 |
|-------------------------------------------------------------------------------------|-----------------|---------------------|----------------------|----------------------------------|-----------|------------|--------------------------|
|                                                                                     |                 |                     |                      | A                                | B         | C          |                          |
|  | <b>ST-38AL</b>  | 3/8 flex, 1/2 hub   | 1/2" - 14"           | 1.44/36.6                        | 0.63/16.0 | 1.13/28.7  | 4.80/101.40              |
|                                                                                     | <b>ST-50AL</b>  | 1/2                 | 1/2" - 14"           | 1.44/36.6                        | 0.63/16.0 | 1.25/31.8  | 4.50/2.04                |
|                                                                                     | <b>ST-75AL</b>  | 3/4                 | 3/4" - 14"           | 1.50/38.1                        | 0.63/16.0 | 1.50/38.1  | 6.60/299                 |
|                                                                                     | <b>ST-100AL</b> | 1                   | 1" - 11-1/2"         | 1.63/41.4                        | 0.75/19.1 | 1.81/45.9  | 10.20/4.63               |
|                                                                                     | <b>ST-125AL</b> | 1-1/4               | 1-1/4" - 11-1/2"     | 2.00/50.8                        | 0.63/16.0 | 2.31/58.7  | 25.20/11.43              |
|                                                                                     | <b>ST-150AL</b> | 1-1/2               | 1-1/2" - 11-1/2"     | 2.25/57.2                        | 0.63/16.0 | 2.63/66.8  | 36.00/16.33              |
|                                                                                     | <b>ST-200AL</b> | 2                   | 2" - 11-1/2"         | 2.50/63.5                        | 0.69/17.5 | 3.19/81.0  | 49.50/22.45              |
|                                                                                     | <b>ST-250AL</b> | 2-1/2               | 2-1/2" - 8"          | 3.38/85.9                        | 1.06/26.9 | 3.94/100.1 | 105.00/47.63             |
|                                                                                     | <b>ST-300AL</b> | 3                   | 3" - 8"              | 3.69/93.7                        | 1.19/30.2 | 4.38/111.3 | 135.00/61.23             |
|                                                                                     | <b>ST-400AL</b> | 4                   | 4" - 8"              | 4.00/101.6                       | 1.25/31.8 | 5.50/139.7 | 199.20/90.34             |

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|                                                                                     |                   |                     | B                                | C         | E         | F         |                          |
|  | <b>ST-9038AL</b>  | 3/8 flex, 1/2 hub   | 0.63/16.0                        | 1.13/28.7 | 1.50/38.1 | 1.25/31.8 | 6.80/3.08                |
|                                                                                     | <b>ST-9050AL</b>  | 1/2                 | 0.63/16.0                        | 1.25/31.8 | 1.50/38.1 | 1.25/31.8 | 6.90/3.13                |
|                                                                                     | <b>ST-9075AL</b>  | 3/4                 | 0.63/16.0                        | 1.50/38.1 | 1.56/39.6 | 1.44/36.6 | 11.70/5.31               |
|                                                                                     | <b>ST-90100AL</b> | 1                   | 0.75/19.1                        | 1.81/45.9 | 1.88/47.8 | 1.38/35.1 | 18.60/8.44               |
|                                                                                     | <b>ST-90125AL</b> | 1-1/4               | 0.63/16.0                        | 2.31/58.7 | 2.38/60.5 | 1.81/45.9 | 34.20/15.51              |
|                                                                                     | <b>ST-90150AL</b> | 1-1/2               | 0.63/16.0                        | 2.63/66.8 | 3.19/81.0 | 2.44/61.9 | 58.50/26.54              |
|                                                                                     | <b>ST-90200AL</b> | 2                   | 0.69/17.5                        | 3.19/81.0 | 3.56/90.4 | 2.63/66.8 | 87.00/39.46              |

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|  | ST-38AL        | 3/8 flex, 1/2 hub   | 1/2" - 14"           | 1.44/36.6                        | 0.63/16.0 | 1.13/28.7  | 4.80/101.40              |
|                                                                                     | ST-50AL        | 1/2                 | 1/2" - 14"           | 1.44/36.6                        | 0.63/16.0 | 1.25/31.8  | 4.50/2.04                |
|                                                                                     | ST-75AL        | 3/4                 | 3/4" - 14"           | 1.50/38.1                        | 0.63/16.0 | 1.50/38.1  | 6.60/299                 |
|                                                                                     | ST-100AL       | 1                   | 1" - 11-1/2"         | 1.63/41.4                        | 0.75/19.1 | 1.81/45.9  | 10.20/4.63               |
|                                                                                     | ST-125AL       | 1-1/4               | 1-1/4" - 11-1/2"     | 2.00/50.8                        | 0.63/16.0 | 2.31/58.7  | 25.20/11.43              |
|                                                                                     | ST-150AL       | 1-1/2               | 1-1/2" - 11-1/2"     | 2.25/57.2                        | 0.63/16.0 | 2.63/66.8  | 36.00/16.33              |
|                                                                                     | ST-200AL       | 2                   | 2" - 11-1/2"         | 2.50/63.5                        | 0.69/17.5 | 3.19/81.0  | 49.50/22.45              |
|                                                                                     | ST-250AL       | 2-1/2               | 2-1/2" - 8"          | 3.38/85.9                        | 1.06/26.9 | 3.94/100.1 | 105.00/47.63             |
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|                                                                                     | ST-9050AL      | 1/2                 | 0.63/16.0                        | 1.25/31.8 | 1.50/38.1 | 1.25/31.8 | 6.90/3.13                |
|                                                                                     | ST-9075AL      | 3/4                 | 0.63/16.0                        | 1.50/38.1 | 1.56/39.6 | 1.44/36.6 | 11.70/5.31               |
|                                                                                     | ST-90100AL     | 1                   | 0.75/19.1                        | 1.81/45.9 | 1.88/47.8 | 1.38/35.1 | 18.60/8.44               |
|                                                                                     | ST-90125AL     | 1-1/4               | 0.63/16.0                        | 2.31/58.7 | 2.38/60.5 | 1.81/45.9 | 34.20/15.51              |
|                                                                                     | ST-90150AL     | 1-1/2               | 0.63/16.0                        | 2.63/66.8 | 3.19/81.0 | 2.44/61.9 | 58.50/26.54              |
|                                                                                     | ST-90200AL     | 2                   | 0.69/17.5                        | 3.19/81.0 | 3.56/90.4 | 2.63/66.8 | 87.00/39.46              |