



# Aluminum Conduit and Aluminum Liquidtight Fittings

## T&B's LTA Flexible Aluminum Conduit



Ideal for lightweight requirements such as trains, planes and on oil platforms.



The T&B Aluminum Conduit and Fitting system suits the corrosive conditions of food processing plants.

### Designed to Resist Corrosion

Specify T&B's new LTA Flexible Aluminum Conduit to use with T&B AL-Series Liquidtight Fittings in corrosive environments or where weight is a major consideration — such as oil platforms, salt water applications, pulp and paper, refineries, wastewater and food processing.

- Aluminum conduit engineered to be light and corrosion resistant
- The lightweight solution for mission-critical applications

### Specifications for Conduit:

Construction:	Utilizes the flexibility of a lightweight aluminum core, coupled with the advantage of a PVC jacket that is virtually unaffected by sunlight, acid and oil. WEE and RoHS compliant
Application:	Used in situations where concerns of excessive weight and corrosion exist
Standard Color:	Machine tool gray
Working Temperature:	-20° C to +80° C



Add suffix -GR to the fitting catalog number to order the Revolver® Grounding version

### Revolver® Grounding Fitting

Saves time and money using our infinitely adjustable rotating ground lug. Simply align the lug in your preferred position and tighten the gland. You'll never need to worry about tightening it into an inconvenient position again.



T&B Aluminum Liquidtight Fittings and grounded versions are available straight and 90°

# T&B Makes Liquidtight Fittings for Demanding Situations

**Gland** deflects water away from connector and prevents "pooling" of moisture. Look for the distinctive "pumpkin" appearance of the gland nut.

**Self-Cleaning Threads** inside aluminum gland nut keep dirt and grime out of the threads as you tighten.

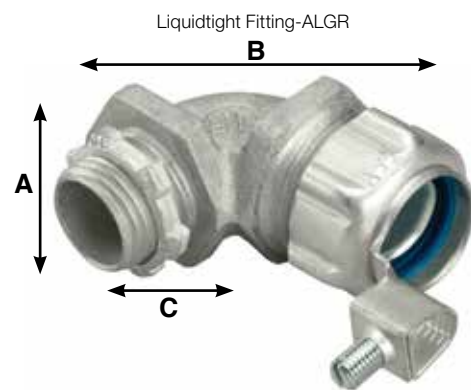
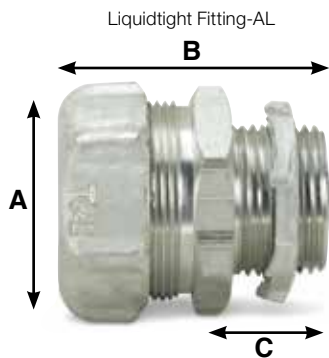
**Double Beveled Sealing Rings** is designed with five unique sealing mechanisms and cannot be installed backwards. Manufactured of high temperature rated thermoplastic to demanding specifications.

**Safe-Edge Ground Cone** provides superior bonding, stronger pullout, easy threading and conductor protection. Look for the distinctive "ski slope" appearance within the "pumpkin" gland nut.

**Precision Machined Threads** provide smooth, easy installations.

**Tempered Aluminum Locknut with Teeth** provides superior strength and electrical bonding.





## Liquidtight Fittings — AL

CAT. NUMBER	CONDUIT SIZE	DIMENSIONS		
		A	B	C
<b>Straight</b>				
5231AL	3/8"	1 <sup>5</sup> / <sub>32</sub> "	1 <sup>1</sup> / <sub>2</sub> "	9/16"
5232AL	1/2"	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>9</sup> / <sub>16</sub> "	9/16"
5233AL	3/4"	1 <sup>21</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>8</sub> "	9/16"
5234AL	1"	1 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>16</sub> "	3/4"
5235AL	1 <sup>1</sup> / <sub>4</sub> "	2 <sup>9</sup> / <sub>32</sub> "	2 <sup>1</sup> / <sub>2</sub> "	13/16"
5236AL	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>22</sup> / <sub>32</sub> "	2 <sup>11</sup> / <sub>16</sub> "	13/16"
5237AL	2"	3 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>16</sub> "	7/8"
5238AL	2 <sup>1</sup> / <sub>2</sub> "	3 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>8</sub> "	1"
5239AL	3"	4 <sup>1</sup> / <sub>2</sub> "	4 <sup>1</sup> / <sub>4</sub> "	1"
5240AL	4"	5 <sup>1</sup> / <sub>2</sub> "	4 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>8</sub> "
<b>90°</b>				
5251AL	3/8"	1 <sup>5</sup> / <sub>32</sub> "	1 <sup>3</sup> / <sub>8</sub> "	9/16"
5252AL	1/2"	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>9</sup> / <sub>16</sub> "	9/16"
5253AL	3/4"	1 <sup>21</sup> / <sub>32</sub> "	1 <sup>3</sup> / <sub>4</sub> "	9/16"
5254AL	1"	1 <sup>7</sup> / <sub>8</sub> "	2 <sup>3</sup> / <sub>16</sub> "	3/4"
5255AL	1 <sup>1</sup> / <sub>4</sub> "	2 <sup>9</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>4</sub> "	13/16"
5256AL	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>23</sup> / <sub>32</sub> "	2 <sup>15</sup> / <sub>16</sub> "	13/16"
5257AL	2"	3 <sup>1</sup> / <sub>4</sub> "	3 <sup>7</sup> / <sub>16</sub> "	7/8"

## LTA Aluminum Flexible Liquidtight Conduit

CAT. NUMBER	CONDUIT SIZE	LENGTH (FT.)	INSIDE BEND RADIUS (IN.)	WT. (LBS.)/	
				100 FT.	50 FT.
LTA50-100	1/2"	100	2.5	15	—
LTA75-100	3/4"	100	3.0	20	—
LTA100-100	1"	100	4.0	29	—
LTA125-50	1 1/4"	50	4.5	—	20
LTA150-50	1 1/2"	50	5.5	—	28
LTA200-50	2"	50	7.0	—	36.5
LTA250-25	2 1/2"	25	9.5	188	—
LTA300-25	3"	25	11.5	244	—
LTA400-25	4"	25	14	332	—

Please ask your Thomas & Betts sales representative for a complete catalog of quality Thomas & Betts electrical products or visit us at [www.tnb.com](http://www.tnb.com). For customer service, call 1-800-816-7809. For technical questions, call 1-888-862-3289.

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1/16/1M GM1180

## Standard Materials/Finish:

Fittings:

Body, Gland, Locknut Aluminum  
Sealing Ring PVC

## Liquidtight Grounded Fittings — ALGR

CAT. NUMBER	CONDUIT SIZE	DIMENSIONS		
		A	B	C
<b>Straight</b>				
5231ALGR	3/8"	1 <sup>5</sup> / <sub>32</sub> "	1 <sup>1</sup> / <sub>2</sub> "	9/16"
5232ALGR	1/2"	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>9</sup> / <sub>16</sub> "	9/16"
5233ALGR	3/4"	1 <sup>21</sup> / <sub>32</sub> "	1 <sup>5</sup> / <sub>8</sub> "	9/16"
5234ALGR	1"	1 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>16</sub> "	3/4"
<b>90°</b>				
5251ALGR	3/8"	1 <sup>5</sup> / <sub>32</sub> "	1 <sup>1</sup> / <sub>4</sub> "	9/16"
5252ALGR	1/2"	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>7</sup> / <sub>16</sub> "	9/16"
5253ALGR	3/4"	1 <sup>21</sup> / <sub>32</sub> "	1 <sup>13</sup> / <sub>16</sub> "	9/16"
5254ALGR	1"	1 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>16</sub> "	3/4"

Ground Wire D 14-8 — 5231ALGR, 5232ALGR

Ground Wire D 14-4 — 5233ALGR, 5234ALGR

Ground Wire D 14-8 — 5251ALGR, 5252ALGR

Ground Wire D 14-4 — 5253ALGR, 5254ALGR

## Standard Materials/Finish:

LTA Conduit:

Conduit Core Aluminum  
Outer Jacket PVC

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