

T&B HIGH-/LOW-TEMPERATURE  
LIQUIDTIGHT SYSTEM

**T&B<sup>®</sup> Fittings**



**Thomas&Betts**  
A Member of the ABB Group

## Hot or Cold, T&B Makes the Perfect Liquidtight Fitting to Handle the Job.



**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 gland nut keep dirt and grime out of the threads as you tighten.



**Double Beveled Sealing Ring** is designed with five unique sealing mechanisms and cannot be installed backwards. Manufactured of high temperature rated thermoset 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.



**Double Plating** for superior corrosion protection; Zinc plating with clear chromate finish.

**Precision Rolled Threads** provides smooth, easy installations and is stronger than cut threads. The body is drawn steel for exceptional strength and quality.

**Case-Hardened Locknut with Teeth** provides superior strength, electrical bonding and easy installation.



The exclusive design features of the popular T&B Liquidtight Fitting now include a high-temperature version, perfect for demanding environments.

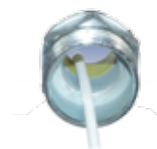
*T&B HT-Series Liquidtight Fittings are available straight, 45° and 90°.*



**Heat-Curled Insulator** molded inside body provides excellent wire protection and easier glide of the conductors through and into the fitting. Also, the heat-curled finish gives the insulator more strength compared to “glue-in” versions.



T&B's Heat-Curled Insulator



Competitor's Glue-In Insulator

# The Perfect Combination for Extreme Liquidtight Applications

Specify T&B's new ATX Liquidtight Flexible Metal Conduit to use with T&B HT-Series Liquidtight Fittings in excessive temperature range applications such as industrial ovens, boilers and furnaces, kilns, heavy machinery or sub-zero environments.



**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.



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

## T&B's ATX Flexible Metal Conduit

Conduit designed to withstand an extreme temperature range

### Construction:

Utilizes the flexibility of a standard core, coupled with the advantage of a elastomeric jacket that is virtually unaffected by temperature extremes and contains no halogens. The material has a flammability rating of UL 94-HB.

### Application:

Used in situations where concerns of resistance to temperature exposure exist. These include heavy outdoor equipment, boilers and furnaces, pulp and paper mills and sub-zero areas.

**Standard Color:** Black

### Working Temperature:

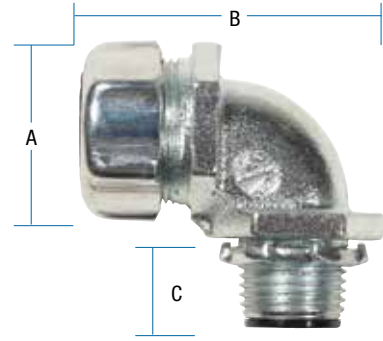
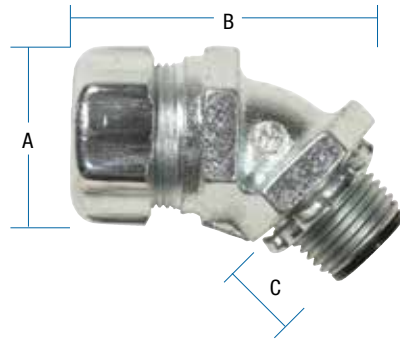
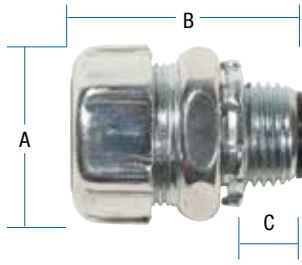
-60°C to 150°C intermitting to 165°C



*The T&B High-/Low-Temperature Liquidtight System suits the demanding conditions of food processing plants and transportation applications.*







### Straight Liquidtight Fittings — HT

Cat. Number	Conduit Size	Dimensions		
		A	B	C
5331-HT	3/8"	1 5/32"	1 1/2"	9/16"
5332-HT	1/2"	1 3/8"	1 5/8"	9/16"
5333-HT	3/4"	1 21/32"	1 5/8"	9/16"
5334-HT	1"	1 7/8"	2 1/16"	3/4"
5335-HT	1 1/4"	2 9/32"	2 1/2"	13/16"
5336-HT	1 1/2"	2 22/32"	2 11/16"	13/16"
5337-HT	2"	3 1/4"	3 1/16"	7/8"
5338-HT	2 1/2"	3 3/4"	4 7/8"	1"
5339-HT	3"	4 1/2"	4 3/4"	1"
5340-HT	4"	5 1/2"	4 1/2"	1 1/8"

### 45° Liquidtight Fittings — HT

Cat. Number	Conduit Size	Dimensions		
		A	B	C
5341-HT	3/8"	1 5/32"	1 9/16"	9/16"
5342-HT	1/2"	1 3/8"	1 7/8"	9/16"
5343-HT	3/4"	1 21/32"	2 1/8"	9/16"
5344-HT	1"	1 7/8"	2 1/4"	3/4"
5345-HT	1 1/4"	2 9/32"	2 3/4"	13/16"
5346-HT	1 1/2"	2 22/32"	2 3/8"	13/16"
5347-HT	2"	3 1/4"	3 3/8"	7/8"

### 90° Liquidtight Fittings — HT

Cat. Number	Conduit Size	Dimensions		
		A	B	C
5341-HT	3/8"	1 5/32"	1 9/16"	9/16"
5342-HT	1/2"	1 3/8"	1 7/8"	9/16"
5343-HT	3/4"	1 21/32"	2 1/8"	9/16"
5344-HT	1"	1 7/8"	2 1/4"	3/4"
5345-HT	1 1/4"	2 9/32"	2 3/4"	13/16"
5346-HT	1 1/2"	2 22/32"	2 3/8"	13/16"
5347-HT	2"	3 1/4"	3 3/8"	7/8"

### ATX Flexible Liquidtight Conduit

Conduit Size	Cat. Number	Length (ft.)	Inside Bend Radius (in.)
3/8"	ATX038-TB	100	1.5
1/2"	ATX050-TB	100	2.0
3/4"	ATX075-TB	100	2.5
1"	ATX100-TB	100	3.0
1 1/4"	ATX125-TB	50	3.5
1 1/2"	ATX150-TB	50	4.5
2"	ATX200-TB	50	5.5
2 1/2"	ATX250-TB	25	8.0
3"	ATX300-TB	25	10.0
4"	ATX400-TB	25	12.0



### Suggested Specifications

High Temperature Flexible Metal Liquidtight Fittings

Where liquidtight flexible metal fittings are required in high temperature environments up to 150°C:

- Fitting's body, gland, locknut and ground cone shall be constructed from steel or malleable iron, electro-zinc plated and chromate coated for corrosion protection.
- Fitting's sealing ring and throat insulator will be molded from high temperature nylon suitable for temperatures up to 150°C and a minimum UL flammability rating of UL94-V2.
- The fitting shall be constructed to accept high temperature flexible metal liquidtight conduit rated to 150°C.
- The fitting shall have a plastic throat insulator to protect conductors.
- The fitting shall have a steel ground cone to:
  - provide high quality ground contact
  - single helical thread for easy installation into conduit
  - rolled over edge to protect conductors
- The fitting shall have a plastic sealing ring to:
  - grip and seal at leading and trailing edge (double bevel up to 2") of conduit jacket
  - provide a watertight/oiltight seal
- The fittings shall be capable to terminate the conduit in either a threaded or threadless opening.
- For applications where termination into a threaded opening is required the fitting shall have external tapered NPT threads.
- Accepted Manufacturers: Thomas & Betts — 5331-HT straight series, 5341-HT 45° series, 5351-HT 90° series; 5262 sealing ring series

### Standard Materials / Finish

#### Fittings

Body, Gland, Locknut, Ground Cones .....All Steel or Malleable Iron  
 Sealing Ring and Insulator .....High Temperature Rated Thermoplastic  
 Exterior and Interior Finish .....Zinc Plating with Clear Chromate

#### ATX Conduit

Conduit .....Elastomeric Jacket

⊕ Add suffix -GR to the fitting catalog number to order the Revolver® Grounding version.  
 Can be used with WMG Series Mesh Grip for additional strain relief.

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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