











# Liquidtight Fittings

## Overview

Our liquidtight product line offers high quality, high performance fittings. Designed to the toughest standards and integrating the latest technology, not only do you get a reliable and durable product, you also get one that reduces installation time and cost. Our versatile lines of liquidtight fittings are designed for a wide range of industrial, commercial and residential applications. Choose from our Liquidator™, LiQuik™, zinc die cast, non-metallic or low profile liquidtight fittings.

### Liquidtight Fittings Selection Chart:

	Family	Material	Size/Range	Configurations	Typical Applications
	<b>Liquidator™</b>	Malleable Iron	3/8" - 6"	Straight, 45°, 90°	For use with LFMC in tough, industrial, corrosive applications
	<b>Liquidator LT SA Aluminum</b>	Copper-free Aluminum	3/8" - 4"	Straight (3/8" through 4"), 90° (3/8" through 2")	Used where aluminum material is preferred in tough, industrial, corrosive applications
	<b>LTK Low Profile</b>	Steel/Malleable Iron	3/8" - 2"	Straight, 45°, 90°	Used where there are space restrictions in tough, industrial, corrosive applications
	<b>LTQ LiQuik™</b>	Malleable Iron	3/8" - 2"	Straight (3/8" through 2"), 45° & 90° (1/2" through 1")	Labor saving, no disassembly, in tough, industrial, corrosive applications
	<b>LTDC Zinc Die Cast</b>	Zinc Die Cast	3/8" - 4"	Straight, 90°	Used where zinc die cast material is preferred in tough, industrial, corrosive applications
	<b>LTNM Non-metallic</b>	Nylon	3/8" - 2"	Straight, 90°	Use with non-metallic Type B LT conduit in corrosive, commercial and residential applications
	<b>LT US Product of the USA</b>	Steel/Malleable Iron	3/8" - 4"	Straight, 45°, 90°	When Product of the USA material is specified in tough, industrial, corrosive applications
	<b>LTS Steel</b>	Tubular Steel	1/2" - 2"	Straight Only	For use in cost-competitive applications in light industrial and commercial applications
	<b>LT SS Stainless Steel</b>	304 Stainless Steel	1/2" - 2"	Straight, 90°	Used where corrosion resistance is required in tough, industrial, corrosive applications
	<b>Space-Saver</b>	Malleable Iron	3/8" - 1"	Straight Only	Used where space restrictions occur in tough, industrial, corrosive applications

Liquidtight

Product Features	User Benefits
UL Listed; cUL certified	Assurance of safe and reliable performance; end-user peace of mind
Provides protection in wet locations	Meets NEC and UL requirements for use in wet locations; reduces downtime and replacement costs
Available in various configurations in various trade sizes and materials	Complete selection of styles and sizes; easy selection from one source, saves time and money
Hex surfaces on gland nut and body	Easy wrenching; fast, easy installation results in labor savings
Sealing gasket effectively seals out water, oil, dust and dirt	Eliminates leakage, potential downtime and replacement costs
Locknut bites into box; won't vibrate loose	Provides a reliable ground and safety of personnel and equipment
Cupped long grounding ferrule is distortion-free	Provides excellent pull-out strength, prevents conduit pop-out and provides grounding for safety of personnel and equipment
Concrete tight	Provides rugged durability in concrete applications

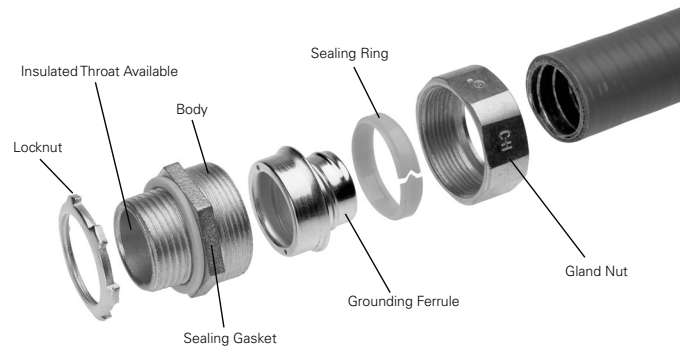
# Liquidtight Fittings

## Overview

### Applications:

Typical applications for liquidtight conduit and liquidtight fittings include the wiring of machine tools, motors, transformers, food processing equipment, robotics, air conditioning units, illuminated storefront signs and billboards, etc. The flexible metallic conduit and fittings protect conductors from mechanical damage due to vibration and movement, and seal out cutting oils, coolants, water, dust, etc. Applications such as these can be found in, but are not limited to, industries such as:

- Machine tool manufacturers
- Electric power generating plants
- Waste treatment facilities
- Paint manufacturing facilities
- Automobile manufacturing facilities
- Aerospace industries
- Breweries
- Food processing plants
- Dairies
- Pulp and paper mills
- Petroleum refineries
- Chemical and petrochemical plants



### Features:

- Liquidtight, raintight, oiltight for protection and long life in wet, dusty and corrosive environments
- Hex shaped gland nut allows for easy wrenching, providing a fast, tight installation
- Suitable for wet locations
- Reusable, long ferrule prevents pull-out and tight bend conduit pop-out
- Furnished with locknut and sealing ring
- Third party certified
- Available in insulated and non-insulated versions to meet any customer preference

### Certifications and Compliances:

- UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following hazardous locations under NEC:
  - Class I, Division 2;
  - Class II, Divisions 1 & 2; and
  - Class III, Divisions 1 & 2;
  - Suitable for grounding in sizes 3/8" through 1 1/4" under NEC
- UL Standards 514B, 467
- cUL Standard C22.2 No. 18F
- UL File No. E-19189



# Liquidtight Fittings

## Liquidator™ Flexible Metallic Conduit Fittings

### Applications:

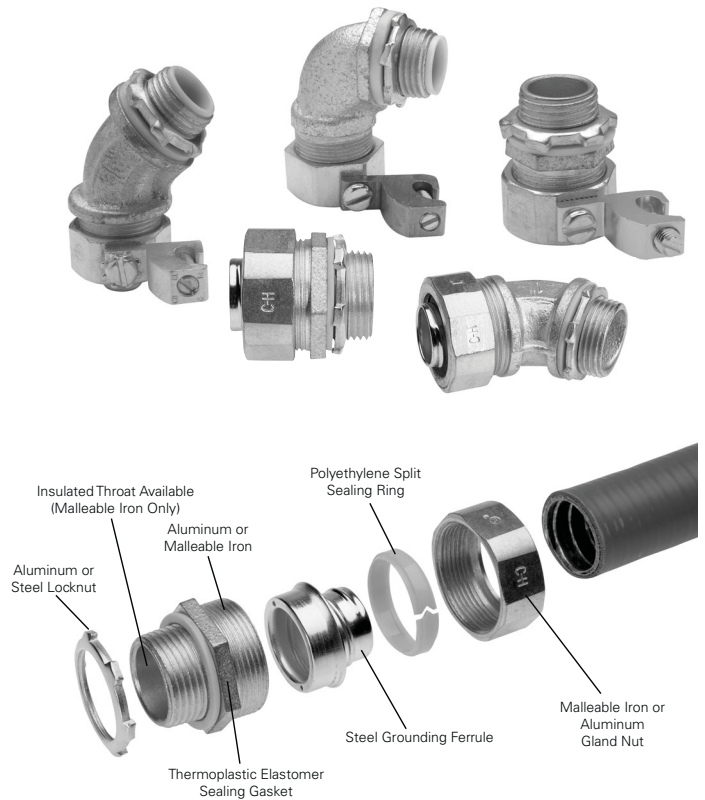
- Liquidator™ Fittings are used when liquidtight conduit is in tough, industrial and corrosive applications
- Available in both malleable iron and aluminum construction with the option of a ground lug pre-attached

### Features:

- Liquidtight, raintight, oiltight for protection and long life in wet, dusty and corrosive environments
- Hex shaped gland nut allows for easy wrenching, providing a fast, tight installation
- Suitable for wet locations
- Reusable, long ferrule prevents pull-out and tight bend conduit pop-out
- Furnished with locknut and sealing ring
- Third party certified
- Available in malleable iron and aluminum construction
- Available in straight, 90 and 45 degree configurations
- Available in sizes  $\frac{3}{8}$ " to 6" (select sizes)
- Available in insulated and non-insulated versions to meet any customer preference

### Certifications and Compliances:

- UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following hazardous locations under NEC:
  - Class I, Division 2;
  - Class II, Divisions 1 & 2; and
  - Class III, Divisions 1 & 2;
- Suitable for grounding in sizes  $\frac{3}{8}$ " through  $1\frac{1}{4}$ " under NEC
- UL Standards 514B, 467
- cUL Standard C22.2 No. 18F
- UL File No. E-19189



### Standard Materials:

- Body – straight –  $\frac{3}{8}$ " through 6": malleable iron;  $\frac{3}{8}$ " through 4": aluminum
- 45° –  $\frac{3}{8}$ " through 4": malleable iron
- 90° –  $\frac{3}{8}$ " through 4": malleable iron or aluminum
- Gland nut – malleable iron or aluminum
- Ferrule – steel
- Gland nut sealing ring – polyethylene
- Sealing gasket – thermoplastic elastomer
- Locknut – steel or aluminum

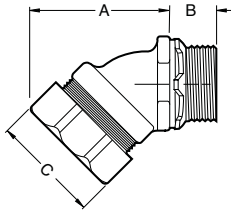
### Standard Finishes:

- Malleable iron – zinc electroplate
- Aluminum – natural

# Liquidtight Fittings

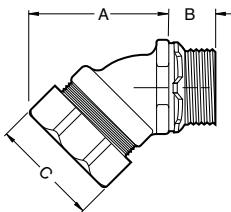
## Liquidator™ Liquidtight Flexible Metallic Conduit Fittings

### 45° Angle Connectors – Malleable Iron



Trade Size	Cat. # Non-insulated	Cat. # Insulated	Unit Qty.	Wt. Lbs. Per 100	A	B	C
3/8"	LT3845	LTB3845	25	27.1	1.938	0.500	1.125
1/2"	LT5045	LTB5045	25	27.1	2.000	0.500	1.250
3/4"	LT7545	LTB7545	10	39.7	2.188	0.500	1.563
1"	LT10045	LTB10045	10	63.5	2.500	0.625	0.813
1 1/4"	LT12545	LTB12545	5	87.3	2.813	0.688	2.250
1 1/2"	LT15045	LTB15045	2	110.2	3.000	0.750	2.438
2"	LT20045	LTB20045	1	176.4	3.688	0.750	3.000
2 1/2"	LT25045	LTB25045	1	573.2	7.313	1.000	4.000
3"	LT30045	LTB30045	1	859.8	7.625	1.125	4.188
3 1/2"	LT35045	LTB35045	1	1278.7	9.625	1.188	5.250
4"	LT40045	LTB40045	1	1521.2	11.063	1.250	5.750

### 45° Angle Connectors with Grounding Lug – Malleable Iron



Trade Size	Cat. # Non-insulated with Aluminum Grounding Lug	Cat. # Insulated with Aluminum Grounding Lug	Cat. # Insulated with Copper Grounding Lug	Lug Size	Unit Qty.	Wt. Lbs. Per 100	A	B	C
3/8"	LT3845G	LTB3845G	LTB3845GC	#4 - #14	25	29.3	1.938	0.500	1.125
1/2"	LT5045G	LTB5045G	LTB5045GC	#4 - #14	25	29.3	2.000	0.500	1.250
3/4"	LT7545G	LTB7545G	LTB7545GC	#4 - #14	10	41.9	2.188	0.500	1.563
1"	LT10045G	LTB10045G	LTB10045GC	#4 - #14	10	65.7	2.500	0.625	0.813
1 1/4"	LT12545G	LTB12545G	LTB12545GC	#4 - #14	5	89.5	2.813	0.688	2.250
1 1/2"	LT15045G	LTB15045G	LTB15045GC	#4 - #14	2	112.4	3.000	0.750	2.438
2"	LT20045G	LTB20045G	LTB20045GC	#4 - #14	1	178.6	3.688	0.750	3.000
2 1/2"	LT25045G	LTB25045G	LTB25045GC	#1/0 - #8	1	582.0	7.313	1.000	4.000
3"	LT30045G	LTB30045G	LTB30045GC	#1/0 - #8	1	868.6	7.625	1.125	4.188
3 1/2"	LT35045G	LTB35045G	LTB35045GC	#3/0 - #6	1	1296.3	9.625	1.188	5.250
4"	LT40045G	LTB40045G	LTB40045GC	#3/0 - #6	1	1538.8	11.063	1.250	5.750

### Replacement Liquidtight Ferrules



Trade Size	Cat. #	Unit Qty.	Wt. Lbs. Per 100
3/8"	FEA38	100	1.9
1/2"	FEA50	100	2.2
3/4"	FEA75	100	2.5
1"	FEA100	100	3.1
1 1/4"	FEA125	50	5.0
1 1/2"	FEA150	50	6.3
2"	FEA200	10	8.1
2 1/2"	FEA250	10	21.3
3"	FEA300	10	27.5
3 1/2"	FEA350	10	31.3
4"	FEA400	10	34.4