

# 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

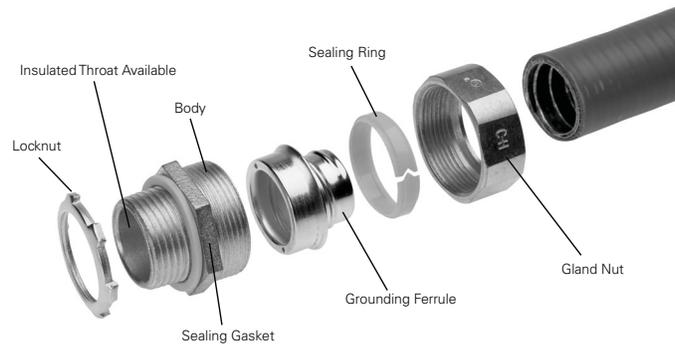
# Liquidtight Fittings

## 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  $\frac{3}{8}$ " through  $1\frac{1}{4}$ " under NEC
- UL Standards 514B, 467
- cUL Standard C22.2 No. 18F
- UL File No. E-19189



# Liquidtight Fittings

## Zinc Die Cast Conduit Fittings

### Applications:

- Used in tough, industrial and corrosive applications

### 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 straight and 90 degree configurations
- Available in sizes 3/8" to 4"
- 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



### Standard Materials:

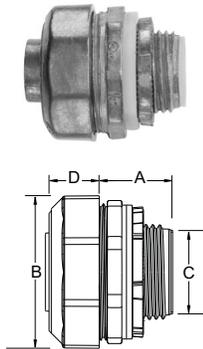
- Body – straight: zinc die cast  
90°: zinc die cast
- Gland nut – zinc die cast
- Ferrule – zinc die cast
- Gland nut sealing ring – polyethylene
- Sealing gasket – thermoplastic elastomer
- Locknut – zinc die cast

### Standard Finish:

- Zinc die cast – natural

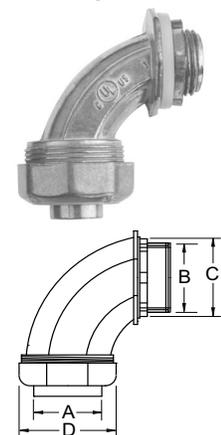
Liquidtight

### Straight Connectors – Zinc Die Cast



Trade Size	Cat. # Non-insulated	Cat. # Insulated	Unit Qty.	Wt. Lbs. Per 100	A	B	C	D
3/8"	LT38DC	LTB38DC	25	17	1.070	0.960	0.620	0.470
1/2"	LT50DC	LTB50DC	25	14	1.070	1.080	0.620	0.470
3/4"	LT75DC	LTB75DC	15	20	1.070	1.330	0.820	0.470
1"	LT100DC	LTB100DC	8	32	1.340	1.563	1.020	0.570
1 1/4"	LT125DC	LTB125DC	5	51	1.150	1.940	1.360	0.710
1 1/2"	LT150DC	LTB150DC	4	68	1.520	2.190	1.600	0.710
2"	LT200DC	LTB200DC	2	75	1.540	2.660	2.070	0.710
2 1/2"	LT250DC	LTB250DC	1	186	2.200	3.280	2.510	1.060
3"	LT300DC	LTB300DC	1	241	2.220	3.800	3.130	1.060
3 1/2"	LT350DC	LTB350DC	1	323	2.360	4.280	3.580	1.060
4"	LT400DC	LTB400DC	1	369	2.440	4.780	4.050	1.060

### 90° Angle Connectors – Zinc Die Cast



Trade Size	Cat. # Non-insulated	Cat. # Insulated	Unit Qty.	Wt. Lbs. Per 100	A	B	C	D
3/8"	LT3890DC	LTB3890DC	25	20	0.620	0.810	0.920	1.220
1/2"	LT5090DC	LTB5090DC	25	21	0.620	0.910	1.020	1.220
3/4"	LT7590DC	LTB7590DC	15	26	0.800	1.150	1.270	1.360
1"	LT10090DC	LTB10090DC	8	43	1.020	1.380	1.480	1.730
1 1/4"	LT12590DC	LTB12590DC	5	73	1.360	1.770	1.930	2.110
1 1/2"	LT15090DC	LTB15090DC	4	93	1.610	2.010	2.170	2.430
2"	LT20090DC	LTB20090DC	2	119	2.080	2.580	2.680	2.930
2 1/2"	LT25090DC	LTB25090DC	1	310	2.510	3.150	3.210	3.620
3"	LT30090DC	LTB30090DC	1	428	3.130	3.670	3.740	4.280
3 1/2"	LT35090DC	LTB35090DC	1	643	3.580	4.170	4.230	4.840
4"	LT40090DC	LTB40090DC	1	748	4.060	4.740	4.750	5.370