

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
	Liquidator™	Malleable Iron	3/8" - 6"	Straight, 45°, 90°	For use with LFMC in tough, industrial, corrosive applications
	Liquidator LT SA Aluminum	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
	LTK Low Profile	Steel/Malleable Iron	3/8" - 2"	Straight, 45°, 90°	Used where there are space restrictions in tough, industrial, corrosive applications
	LTQ LiQuik™	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
	LTDC Zinc Die Cast	Zinc Die Cast	3/8" - 4"	Straight, 90°	Used where zinc die cast material is preferred in tough, industrial, corrosive applications
	LTNM Non-metallic	Nylon	3/8" - 2"	Straight, 90°	Use with non-metallic Type B LT conduit in corrosive, commercial and residential applications
	LT US Product of the USA	Steel/Malleable Iron	3/8" - 4"	Straight, 45°, 90°	When Product of the USA material is specified in tough, industrial, corrosive applications
	LTS Steel	Tubular Steel	1/2" - 2"	Straight Only	For use in cost-competitive applications in light industrial and commercial applications
	LT SS Stainless Steel	304 Stainless Steel	1/2" - 2"	Straight, 90°	Used where corrosion resistance is required in tough, industrial, corrosive applications
	Space-Saver	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

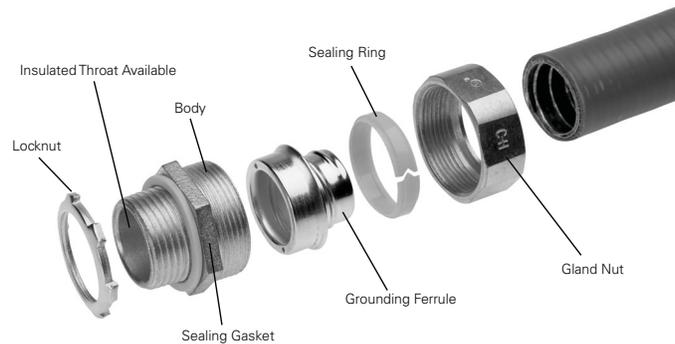
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Applications:

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

LTK Low Profile Conduit Fittings

Applications:

- Flexible metallic liquidtight conduit used with liquidtight fittings is designed to protect conductors from mechanical damage due to vibration and movement while sealing out cutting oils, coolants, water, dust, etc.
- Typical applications include the wiring of machine tools, motors, transformers, food processing equipment, robotics, air conditioning units, illuminated signs, etc.
- LTK Low Profile Liquidtight Fittings are designed specifically for OEM applications that require close side-by-side mounting of multiple liquidtight fittings in tight spaces

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: steel
45°: malleable iron
90°: malleable iron
- Gland nut – steel
- Ferrule – steel
- Gland nut sealing ring – nylon
- Sealing gasket – polypropylene
- Locknut – steel

Standard Finishes:

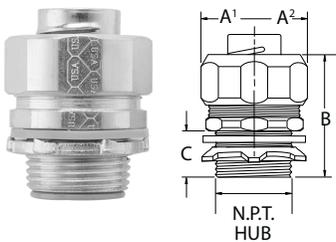
- Steel – zinc electroplate
- Malleable iron – zinc electroplate

Replacement Ferrules



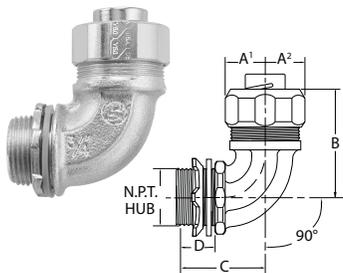
Trade Size	Cat. #	Trade Size	Cat. #
3/8"	LTKF38	1 1/4"	LTKF125
1/2"	LTKF50	1 1/2"	LTKF150
3/4"	LTKF75	2"	LTKF200
1"	LTKF100		

Straight Connectors – Steel



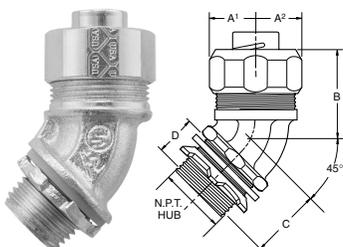
Trade Size	Cat. # Non-insulated	Cat. # Insulated	Unit Qty.	Wt. Lbs. Per 100	Over Round Corner A'	Hex A ²	B	C
3/8"	LTK38	LTK38	25	11	1.094	1.031	1.188	0.594
1/2"	LTK50	LTK50	25	13	1.188	1.125	1.688	0.594
3/4"	LTK75	LTK75	10	19	1.438	1.375	1.438	0.594
1"	LTK100	LTK100	5	30	1.750	1.688	1.625	0.656
1 1/4"	LTK125	LTK125	5	45	2.156	2.063	1.844	0.672
1 1/2"	LTK150	LTK150	2	62	2.375	2.281	2.000	0.719
2"	LTK200	LTK200	2	83	2.875	2.781	2.125	0.719

90° Angle Connectors – Malleable Iron



Trade Size	Cat. # Non-insulated	Cat. # Insulated	Unit Qty.	Wt. Lbs. Per 100	Over Round Corner A'	Hex A ²	B	C	D
3/8"	LTK3890	LTK3890	10	20	1.094	1.031	1.594	1.250	0.563
1/2"	LTK5090	LTK5090	10	23	1.188	1.125	1.656	1.250	0.563
3/4"	LTK7590	LTK7590	5	31	1.438	1.375	1.781	1.531	0.563
1"	LTK10090	LTK10090	5	68	1.750	1.688	2.188	1.844	0.656
1 1/4"	LTK12590	LTK12590	2	82	2.156	2.063	2.375	1.938	0.688
1 1/2"	LTK15090	LTK15090	1	105	2.375	2.281	2.625	2.094	0.719
2"	LTK20090	LTK20090	1	180	2.875	2.781	3.063	2.406	0.719

45° Angle Connectors – Malleable Iron



Trade Size	Cat. # Non-insulated	Cat. # Insulated	Unit Qty.	Wt. Lbs. Per 100	Over Round Corner A'	Hex A ²	B	C	D
3/8"	LTK3845	LTK3845	10	21	1.094	1.031	1.219	1.031	0.594
1/2"	LTK5045	LTK5045	10	20	1.188	1.031	1.313	1.031	0.594
3/4"	LTK7545	LTK7545	10	30	1.438	1.375	1.375	1.125	0.406
1"	LTK10045	LTK10045	5	68	1.750	1.688	1.656	1.250	0.656
1 1/4"	LTK12545	LTK12545	5	73	2.156	2.063	1.719	1.344	0.688
1 1/2"	LTK15045	LTK15045	2	105	2.375	2.281	2.000	1.469	0.719
2"	LTK20045	LTK20045	1	150	2.875	2.781	2.281	1.625	0.719