

"PG" and "ISO" Metric Thread Liquidtight Insulated Connectors for Liquidtight Flexible Metal Conduit

Applications

- Provides a dependable connection for liquidtight flexible metal conduit.

Features

- Unique long ferrule with more pronounced threads provides over four times UL pull-out requirements. The ferrule also provides maximum surface contact for better sealing and a continuous, permanent, positive metal-to-metal ground.
- Insulated throat protects against wire damage.
- Liquidtight/raintight/oiltight.
- Suitable for wet locations.
- Full, machined metric threads.
- Compact design with small turning radius.

Standard Materials

- 3/8" to 1" (straight): steel.
- 1-1/4" to 2" (straight) and 3/8" to 2" (45° and 90°): malleable iron.
- Ferrule: (3/8" to 1") steel; (1-1/4" to 2") aluminum.
- Insulators: Nylon.

Standard Finishes

- Steel-zinc electroplate.
- Malleable iron—zinc electroplate, dichromate and epoxy powder coat.

Size Range

- 3/8" thru 2" conduit size.

Compliances

- UL Standard 514B, File No. E14814. CSA File No. 65178.
- "PG" Metric Thread—German industry Std. DIN 40430.



Steel 3/8"—1"
Malleable Iron 1-1/4"—2"



Malleable Iron 3/8"—2"
3/8"—1" with Steel Caps

Catalog Number	Flexible Conduit Size (In.)	Metric Thread	Catalog Number	Flexible Conduit Size (In.)	Metric Thread
"PG" Metric Thread			"ISO" Metric Thread		
Straight-			Straight		
PG 3811-STB	3/8	11.0	ISO 3816-STB	3/8	16.0
PG 3813-STB	3/8	13.5	ISO 5020-STB	1/2	20.0
PG 50-STB	1/2	16.0	ISO 7525-STB	3/4	25.0
PG 75-STB	3/4	21.0	ISO 10032-STB	1	32.0
PG 100-STB	1	29.0			
PG 125-STB	1-1/4	36.0			
PG 150-STB	1-1/2	42.0			
PG 200-STB	2	48.0			
45°			45°		
PG45 3811-STB	3/8	11.0	ISO45 3816-STB	3/8	16.0
PG45 3813-STB	3/8	13.5	ISO45 5020-STB	1/2	20.0
PG45 50-STB	1/2	16.0	ISO45 7525-STB	3/4	25.0
PG45 75-STB	3/4	21.0	ISO45 10032-STB	1	32.0
PG45 100-STB	1	29.0			
PG45 125-STB	1-1/4	36.0			
PG45 150-STB	1-1/2	42.0			
PG45 200-STB	2	48.0			
90°			90°		
PG90 3811-STB	3/8	11.0	ISO90 3816-STB	3/8	16.0
PG90 3813-STB	3/8	13.5	ISO90 5020-STB	1/2	20.0
PG90 50-STB	1/2	16.0	ISO90 7525-STB	3/4	25.0
PG90 75-STB	3/4	21.0	ISO90 10032-STB	1	32.0
PG90 100-STB	1	29.0			
PG90 125-STB	1-1/4	36.0			
PG90 150-STB	1-1/2	42.0			
PG90 200-STB	2	48.0			

Liquidtight Connectors and Hubs for Liquidtight Flexible Metal Conduit

General Information and special features.

Applications

- Seal out oil, water, dirt, dust and fumes wherever liquidtight flexible metal conduit is used.
- Typical applications include food processors, beverage plants, chemical plants, dairies, machine shops, plastic fabricators, petroleum machinery, and gantry cranes.

ST and STB Series

For connections to threaded hubs. Insulated throat on STB protects conductors. Connectors are available with grounding lugs. Straight sizes 3/8" thru 5"; 45° and 90°, 3/8" thru 4". Straight and 90° styles in sizes 3/8" thru 2" also available with certain metric thread sizes. See page I-49.

STN Space-Saving Connectors for Enclosures

Appleton STN Series makes liquidtight connections to sheet metal enclosures. Space-saving, self-locking gasketed wedge forms a perfect seal and allows more wiring room. Straight sizes 3/8" thru 4"; 90° sizes 3/8" thru 1".

STG Neoprene Sealing Gasket Assembly

Steel backed, neoprene gasket assembly assures a liquidtight connection to a rough metal surface such as knock-outs in steel junction boxes. Sizes 1/2" thru 4" feature bonded gasket/retainer assembly. 1/4 and 3/8 available in thermoplastic material.

Female Steel ST Connectors

For liquidtight connections to threaded rigid metal conduit. Sizes 3/8" thru 1".

Features

- **Extra-long ferrule resists pull-outs.** All Appleton liquidtight fittings feature a one-piece, deep-grip ferrule design that simplifies installation and prevents conduit sleeving. Its extra length and sharply defined threads provide greater surface contact with the conduit for excellent grounding continuity, greater pull-out strength (4X UL requirements)...and added protection against excessive external conduit flexing and vibration. It virtually eliminates the need for an external strain relief in many applications.



Straight ST/STB

90° ST/STB

45° ST/STB



Female ST



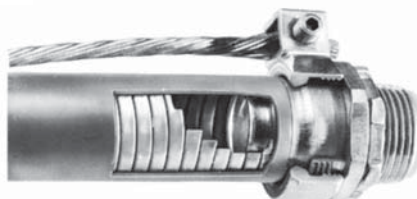
STG Neoprene Sealing Gasket Assembly



90° STN



Straight STN



Cutaway view—ST with External Grounding Lugs



STB with Strain Relief

- **External grounding lugs available on all Appleton liquidtight connectors.** Where National Electrical Code permits an external equipment bonding jumper, [NEC sections 250-96(b), 501-16(b) and 502-16(b)], Appleton ST and STB connectors are offered with an integral bonded steel zinc electroplated lug. Cut-away view shows extended ferrule design for maximum grounding effectiveness. Grounding lugs also available in STN, STL and Female ST Series. Consult factory.

- **Wire mesh strain relief available on all STB, STN, and female ST connectors.** Woven stainless steel mesh sleeve alleviates flexing stress at liquidtight connection.