



Product Specification: Made in the USA Liquid Tight Connectors

PART 1: Overview

Product used to secure Metallic or Non-Metallic Liquid Tight Conduit Tubing to a box or enclosure. All product shall be Made in the USA.

General Specification Guidance: “Liquid Tight Conduit Fittings shall be zinc plated steel, zinc die cast, malleable iron or nonmetallic as manufactured by Bridgeport Fittings, Inc.”

PART 2: Products

2.01 ACCEPTABLE MANUFACTURERS

- A. Straight Nonmetallic Liquid Tight Connectors for Non-Metallic (Type B) Liquid Tight Conduit – Nonmetallic. Shall be 429-NMLT or 432-NMLT as manufactured by Bridgeport Fittings.
- B. 90 Degree Nonmetallic Liquid Tight Connectors for Non-Metallic (Type B) Liquid Tight Conduit – Nonmetallic. Shall be 469-NMLT or 472-NMLT as manufactured by Bridgeport Fittings.
- C. Straight Liquid Tight Connectors for Metallic and Non-Metallic (Type B) Liquid Tight Conduit – Zinc Die Cast. Shall be series 435-LT2 through 439-LT2 (Non-insulated versions) or 435-LTI2 through 439-LTI2 (Insulated versions) as manufactured by Bridgeport Fittings.
- D. Straight Liquid Tight Connectors for Metallic Liquid Tight Conduit – Steel. Shall be series 429-SLT through 435-SLT (Non-insulated versions) or 429-SLTI through 435-SLTI (Insulated versions) as manufactured by Bridgeport Fittings.
- E. Straight Liquid Tight Connectors with Grounding Lugs for Metallic Liquid Tight Conduit – Steel. Shall be series 429-SLTG through 435-SLTG (Non-insulated versions) or 429-SLTIG through 435-SLTIG (Insulated versions) as manufactured by Bridgeport Fittings.
- F. 45 Degree Liquid Tight Connectors for Metallic Liquid Tight Conduit – Malleable Iron. Shall be series 449-SLT through 455-SLT (Non-insulated versions) or 449-SLTI through 455-SLTI (Insulated versions) as manufactured by Bridgeport Fittings.
- G. 90 Degree Liquid Tight Connectors for Metallic Liquid Tight Conduit – Steel. Shall be series 469-SLT through 475-SLT (Non-insulated versions) or 469-SLTI through 475-SLTI (Insulated versions) as manufactured by Bridgeport Fittings.



H. 90 Degree Liquid Tight Connectors for Metallic Liquid Tight Conduit – Steel. Shall be series 469-SLT through 475-SLT (Non-insulated versions) or 469-SLTI through 475-SLTI (Insulated versions) as manufactured by Bridgeport Fittings.

I. 90 Degree Liquid Tight Connectors with Grounding Lugs for Metallic Liquid Tight Conduit – Steel. Shall be series 469-SLTG through 475-SLTG (Non-insulated versions) or 469-SLTIG through 475-SLTIG (Insulated versions) as manufactured by Bridgeport Fittings.

2.02 MATERIALS

A. Steel Product shall be SAE 1050.

B. Die Cast Zinc Product shall be #7 or #3 ZAMAK.

C. Malleable Iron Product shall be Ferretic and shall conform to ASTM Specification A-47-77 for Grade 32510 and SAE Specification J158 for Grade M3210.

2.03 GENERAL DESIGN

A. Zinc die cast components shall be ball burnished.

B. Steel parts shall be zinc plated for corrosion protection.

C. Bridgeport logo shall appear on each fitting and/or box.

D. Die cast zinc locknuts shall have precision machine-cut threads and possess a serrated face on each side.

E. All set screw products shall have staked screws to prevent disassembly in transit.

F. All fitting throat diameters shall be smooth with no sharp edges.

G. All fittings shall be tested to UL 514B and be listed by Underwriters Laboratories.