



Product Specification: Made in the USA Flexible Metal Conduit Connectors, Combination Couplings and Straps

PART 1: Overview

Product used to secure and terminate Flexible Metal Conduit to a box or enclosure, to join two lengths of Flexible Metal Conduit together, to join Electrical Metallic Tubing (EMT) to Flexible Metal Conduit, or to support Flexible Metal Conduit to a mounting surface. All product shall be Made in the USA.

General Specification Guidance: “Flexible Metal Conduit Fittings shall be zinc plated steel or zinc die cast as manufactured by Bridgeport Fittings, Inc. Connectors and couplings shall be locknut or snap-in type. Snap-in Connectors shall be Bridgeport Patented Whipper-Snap design.”

PART 2: Products

2.01 ACCEPTABLE MANUFACTURERS

- A. Combination Couplings – Zinc Die Cast. Shall be series 581-DC through 583-DC as manufactured by Bridgeport Fittings, Inc.
- B. Locknut Type Squeeze Connectors – Zinc Die Cast. Shall be series 403-DC2 through 418-DC2 (Non-insulated versions) or 403-DCI2 through 418-DCI2 (Insulated versions) as manufactured by Bridgeport Fittings.
- C. Locknut Type Set Screw Connectors – Zinc Die Cast. Shall be 507-DC2 and 508-DC2 (Non-insulated versions) or 507-DCI2 and 508-DCI2 (Insulated versions) as manufactured by Bridgeport Fittings, Inc.
- D. Snap-In Type Two Screw Strap Connectors – Zinc Die Cast. Shall be 840SP as manufactured by Bridgeport Fittings, Inc.
- E. Locknut Type Screw-in Connectors – Zinc Die Cast. . Shall be series 520-DC2 through 525-DC2 (Non-insulated versions) or 520-DCI2 through 525-DCI2 (Insulated versions) as manufactured by Bridgeport Fittings.
- F. Screw-In Type Couplings – Zinc Die Cast. Shall be series 530-DC2 through 533-DC2 or 535-DC2 as manufactured by Bridgeport Fittings.
- G. Snap-In Type “U” Shaped Strap Connectors– Zinc Die Cast. Shall be SG38SP (Non-insulated version) or SG38ASP (Insulated version) as manufactured by Bridgeport Fittings, Inc.
- H. Locknut Snap Type Connectors – Zinc Die Cast. Shall be 590-DC2 (Non-insulated version) or 590-DCI2 (Insulated version) as manufactured by Bridgeport Fittings, Inc.



- I. Snap-In Type Double Snap Connectors – Zinc Die Cast. Shall be 380SP (Non-insulated version) or 38ASP (Insulated version) as manufactured by Bridgeport Fittings, Inc.
- J. Locknut Set Screw Type Duplex Connectors – Zinc Die Cast. Shall be 600-DC2 or 602-DC2 as manufactured by Bridgeport Fittings, Inc.
- K. Locknut Strap Type Duplex Connectors – Zinc Die Cast. Shall be 601-DC2 or 630-DC2 as manufactured by Bridgeport Fittings, Inc.
- L. Snap-In Type Duplex Connectors– Zinc Die Cast. Shall be 846SP as manufactured by Bridgeport Fittings, Inc.
- M. Locknut Type Two Screw Strap Connectors – Zinc Die Cast. Shall be 653-DC2 as manufactured by Bridgeport Fittings, Inc.
- N. Locknut Type 90 Degree Connectors – Zinc Die Cast. Shall be series 801-DC2 through 810-DC2 (Non-insulated version) or 801-DCI2 through 810-DCI2 (Insulated version) as manufactured by Bridgeport Fittings, Inc.
- O. Snap-In Type 90 Degree Connectors – Zinc Die Cast. Shall be 850-SP as manufactured by Bridgeport Fittings, Inc.
- P. One Hole Straps – Steel. Shall be 900-F as manufactured by Bridgeport Fittings, Inc.

2.02 MATERIALS

- A. Steel Product shall be SAE 1050.
- B. Die Cast Zinc Product shall be #7 or #3 ZAMAK.

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.