

**SECTION 15140
NON-CONTINUOUS HANGERS AND PIPE SUPPORTS**

PART 1- GENERAL

1.1 SCOPE

- A. One Hole Strap for CPVC Pipe (2.3A)
- B. Two Hole strap for CPVC Pipe (2.3B)
- C. Side Mount Strap for CPVC Pipe (2.3C)

1.2 SUMMARY

- A. The work covered under this section consists of the furnishing of all necessary labor, supervision, materials, equipment, and services to completely execute the pipe hanger and supports as described in this specification.

1.3 DEFINITIONS

- A. ANSI: American National Standards Institute
- B. ASTM: American Society for Testing and Materials
- C. MSS: Manufacturers Standardization Society
- D. NFPA: National Fire Protection Association
- E. cULus: Listed by Underwriters Laboratories based on both Canadian and US (United States) standards requirements.
- F. FMRC: Factory Mutual Research Corporation

1.4 SUBMITTALS

- A. Submit product data on non-continuous pipe hanger supports. Product data to include, but not limited to materials, finishes, approvals, load ratings, and dimensional information.

1.5 QUALITY ASSURANCE

- A. Non-continuous pipe hanger supports shall be listed by Underwriters laboratories for both Canadian and US standards (cULus).
- B. Non-continuous pipe hanger supports shall have the manufacturers name and part number stamped on the part itself for identification.
- C. Manufacturer: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience in the industry, and certified ISO 9000.
- D. Hangers and supports shall be designed and manufactured in conformance with MSS SP 58. Supports for sprinkler piping shall be in conformance with NFPA 13.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with these specifications, non-continuous pipe hanger supports shall be as manufactured by ERICO, Inc or approved equal.

2.2 REFERENCES:

- A. ASTM B633 Standard Specification for Electro-deposited Coatings of Zinc on Iron and Steel.
- B. ASTM B 695-90 Standard Specification for coatings of Zinc Mechanically Deposited on Iron and Steel.
- C. ASTM A123 Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- D. ASTM A653 G90 -Specification for Steel Sheet, Zinc-Coated by the Hot-Dip Process.
- E. MSS SP58 - Manufacturers Standardization Society: Pipe Hangers and Supports Materials, Design, and Manufacture.
- F. MSS SP69 - Manufacturers Standardization Society: Pipe Hangers and Supports-Selection and Application.
- G. NFPA 13 - Standard for the Installation of Sprinkler Systems.
- H. ASTM A47 Grade 32510 malleable iron

2.3 NON-CONTINUOUS HANGERS AND PIPE SUPPORTS

- A. One Hole Strap for CPVC Pipe
 1. One hole strap for CPVC pipe shall provide support for CPVC or Polybutalene fire sprinkler piping in fire sprinkler systems installed per NFPA 13, 13R and 13D.
 2. One hole strap shall be cULus Listed.
 3. One hole strap shall be fastened with a Hardened Hex Head Screw, #10x1", supplied with the strap.
 4. One Hole Strap shall have a pre-galvanized finish.
 5. One Hole Strap for CPVC PIPE shall be manufactured by ERICO, Inc. model #107 or approved equal.

- B. Two Hole Strap for CPVC Pipe
 1. Two hole strap for CPVC pipe shall provide support for CPVC or Polybutalene fire sprinkler piping in fire sprinkler systems installed per NFPA 13, 13R and 13D.
 2. Two hole strap shall be cULus Listed.
 3. Two hole strap shall be fastened with a Hardened Hex Head Screw, #10x1", supplied with the strap.
 4. Two Hole Strap shall have a pre-galvanized finish.
 5. Two Hole Strap for CPVC PIPE shall be manufactured by ERICO, Inc. model #108 or approved equal.

- C. Side Mount Strap for CPVC Pipe
 1. Side Mount Strap for CPVC pipe shall provide support for CPVC or Polybutalene fire sprinkler piping in fire sprinkler systems installed per NFPA 13, 13R and 13D.
 2. Side Mount Strap shall be cULus Listed.
 3. Side Mount Strap shall be fastened with a Hardened Hex Head Screw, #10x1", supplied with the strap.
 4. Side Mount Strap shall have a pre-galvanized finish.
 5. Side Mount Strap for CPVC PIPE shall be manufactured by ERICO, Inc. model #109 or approved equal.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Installation and configuration shall conform to the requirements of the NFPA 13 (National Fire Protection Association), manufacturer's instructions and applicable local codes.
- B. For model #107 install with hanger tabs upward only. If installed inverted, with the hanger tab downward it does not function as a hanger, but as a restrainer. Do not install on the bottom of a beam or under horizontal surface.