

SECTION 15140
NON-CONTINUOUS HANGERS AND PIPE SUPPORTS

PART 1- GENERAL

1.1 SCOPE

- A. Swivel Loop Hanger (2.3A)
- B. Swivel Loop Hanger Felt Lined (2.3B)
- C. Swivel Loop Hanger PVC Coated (2.3C)
- D. Swivel Loop Hanger Copper Tubing (2.3D)

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.
- E. Supports for sprinkler piping shall be in conformance with NFPA 13.

PART 2- PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- 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. Swivel Loop Hangers (general use)
 - 1. Swivel loop hanger shall provide support for stationary piping allowing for vertical adjustment with ease.
 - 2. Swivel loop hanger shall be cULus Listed.
 - 3. Swivel loop hanger shall be approved by Factory Mutual.
 - 4. Swivel loop hanger shall be manufactured by ERICO, Inc. model #100 or approved equal. Material shall be pre-galvanized carbon steel band with zinc electroplate insert nut.
- B. Felt Lined Swivel Loop Hangers
 - 1. Felt lined swivel loop hanger shall provide support for stationary piping with no metal to pipe contact.
 - 2. Felt lined swivel loop hanger shall be vertically adjustable with ease.
 - 3. Felt lined swivel loop hanger shall be manufactured by ERICO, Inc. model #100FL or approved equal. Material shall be pre-galvanized carbon steel with felt lining, with zinc electroplate insert nut.
- C. PVC Coated Swivel Loop Hangers
 - 1. PVC coated swivel loop hangers shall provide support for stationary glass, aluminum, and plastic piping, where pipe to metal hanger contact is undesirable.
 - 2. PVC coated swivel loop hanger shall be vertically adjustable with ease.
 - 3. PVC coated swivel loop hanger shall be manufactured by ERICO, Inc. model #102 or approved equal. Material shall be carbon steel with PVC coating, with zinc electroplate insert nut.

D. Copper Tubing Swivel Loop Hangers

1. Copper CADDY COAT swivel loop hangers shall provide support for copper tubing.
2. The pipe support is not designed for corrosion or electrolysis resistance.
3. Copper CADDY COAT is for identification purposes only.
4. Copper CADDY COAT swivel loop hanger shall be vertically adjustable with ease.
5. Copper CADDY COAT swivel loop hanger shall be manufactured by ERICO, Inc. model #101 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, applicable local codes and to the manufacturer's installation instructions.
- B. Do not exceed load ratings specified by manufacturer.