

SECTION 15140
NON-CONTINUOUS HANGERS AND PIPE SUPPORTS

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PART 1- GENERAL

1.1 SCOPE

- A. Clevis Hanger (2.3A)
- B. Clevis Hanger Light Duty (2.3B)

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 installation of 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. Non-continuous pipe hanger supports shall be designed and manufactured in accordance with MSS SP 58.
- E. 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.

2.3 HANGERS AND PIPE SUPPORTS

- A. Clevis Hanger
 - 1. Clevis Hanger shall provide a support of stationary non-insulated pipe lines.
 - 2. Clevis Hanger shall be cULus Listed.
 - 3. Clevis Hanger shall have a plain, red oxide, yellow chromate, felt lined or hot dipped galvanized finish.
 - 4. Clevis Hanger shall be manufactured by ERICO, Inc. model #400 or approved equal.
- B. Clevis Hanger- Light Duty
 - 1. Light Duty Clevis Hanger shall provide a support for stationary light load pipe lines.
 - 2. Light Duty Clevis Hanger shall have a plain, red oxide, yellow chromate, felt lined or hot dipped galvanized finish.
 - 3. Light Duty Clevis Hanger shall be manufactured by ERICO, Inc. model #410 or approved equal.

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PART 3 – EXECUTION

3.1-INSTALLATION

- A. Installation and configuration shall conform to the requirements of the NFPA 13, manufacturer's instructions and applicable local codes.
- B. Do not exceed load ratings specified by manufacturer.