

SECTION 16xxx
CONDUIT HANGERS AND SUPPORTS

PART 1 – GENERAL

1.1 SCOPE

- A. M-Series Conduit Clips (2.3A)

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 system of conduit hangers and supports as described in this specification.

1.3 DEFINITIONS

- A. UTP: Unshielded twisted pair.
- B. ANSI: American National Standards Institute
- C. ASTM: American Society for Testing and Materials
- D. EIA: Electronic Industries Alliance
- E. TIA: Telecommunications Industry Association
- F. cULus: Listed by Underwriters Laboratories based on both Canadian and US (United States) standards requirements.

1.4 SUBMITTALS

- A. Submit product data on conduit hangers and supports, including attachment methods. Product data to include, but not limited to materials, finishes, approvals, load ratings, and dimensional information.

1.5 QUALITY ASSURANCE

- A. Conduit hangers, supports, and assemblies shall be listed by Underwriters Laboratories based on both Canadian and US standards (cULus).
- B. Conduit hangers and supports shall have the manufacturer's name and part number stamped on the part 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.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with these specifications, conduit hangers and supports shall be as manufactured by ERICO, Inc or approved equal.

2.2 REFERENCES

- A. CADDYCOAT Eliminates oil, providing a cleaner installation and consistent appearance resulting in improved corrosion resistance.

- B. ASTM A682 Standard Specification for Steel, Strip, High-Carbon, Cold-Rolled, Spring Quality
- C. ASTM B117 Standard Method of Salt Spray (Fog) Testing
ASTM D610 Standard test Method for Evaluating Degree of Rusting on Painted Steel Surfaces
- D. ANSI/ TIA/ EIA 568 Commercial Building Telecommunications Cabling Standard, current revision level.
- E. ANSI/ TIA/ EIA 569 Commercial Building Standard for Telecommunications Pathways and Spaces, current revision level.
- F. NFPA 70 National Electrical Code®

2.3 CONDUIT HANGERS

- A. **M-Series Conduit Clip**
 - 1. M-Series Conduit Clip shall be made of spring steel, rated for indoor use in non-corrosive environments.
 - 2. M-Series Conduit Clip shall be UL listed.
 - 3. Shall have a vertical load limit of 100 lbs, and a horizontal load limit of 25 lbs..
 - 4. Shall be available with either a plain hole for 1/4" bolt or a 1/4-20 thread impression.
 - 5. Shall be available for 3/8" through 2" EMT, rigid, and aluminum conduit.
 - 6. Shall be available pre-assembled with manufacturer's specialty fasteners for connection to building structures like beam, flange, drop wire/rod, wood structure, concrete and acoustical tee grid.
 - 7. Acceptable Products: ERICO CADDY® M-Series Conduit Clips, part numbers 6M, 812M, 16M, 20M, 32M, 6M4I, 812M4I, 16M4I, 20M4I, 32M4I, or approved equal.

2.4 FINISHES

- A. CADDYCOAT Eliminates oil, providing a cleaner installation and consistent appearance resulting in improved corrosion resistance.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Installation and configuration shall conform to the requirements of the current revision levels of ANSI/ EIA/TIA Standards 568 & 569, NFPA 70 (National Electrical Code), applicable local codes, and to the manufacturer's installation instructions.
- B. Do not exceed load ratings specified by manufacturer.