



**ANSI C80.3-2015**

*American National Standard for  
Electrical Metallic Tubing—Steel (EMT-S)*

Secretariat:

**National Electrical Manufacturers Association**

Approved: December 14, 2015

**American National Standards Institute, Inc.**

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**Foreword** (This foreword is not part of American National Standard C80.3-2015.)

This standard was developed by the Accredited Standards Committee on Raceways for Electrical Wiring Systems, C80. The objective of the committee is to produce a comprehensive specification that would establish uniform dimensions and standard construction requirements for electrical rigid steel conduit, steel electrical metallic tubing, electrical intermediate metal conduit, and electrical aluminum rigid conduit raceway products and their associated components.

The standard was originally approved in 1950 and revised in 1953, 1959, 1963, 1966, 1977, 1983, 1991, 1994, 2005, and 2015.

Suggestions for improvement of this standard will be welcomed. They should be sent to the National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, Virginia 22209.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee (ASC) on Raceways for Electrical Wiring Systems, ASC C80. Committee approval of the standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the C80 Committee comprised the following members:

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## 1 Scope

This standard covers the requirements for steel electrical metallic tubing, for use as a raceway for wires or cables of an electrical system. Finished tubing is typically furnished in nominal 10-ft (3.05-m) lengths. It is protected on the exterior surface with a metallic zinc coating or alternate corrosion protection coating (see UL 797 for alternate corrosion protection coating requirements) and on the interior surface with a zinc or organic coating.

This standard also covers electrical metallic tubing elbows.

Properly assembled systems of EMT-S, manufactured in accordance with this standard, and other identified fittings provide for the electrical continuity required of an equipment grounding conductor.