



AEROSPACE RECOMMENDED PRACTICE

ARP1987™/3**REV. A**

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Superseding ARP1987/3

Titles, SAE Subcommittee G-3E Aerospace Tubing
Installation Documents, Selection Of

RATIONALE

This Technical Report is being stabilized because it covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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**Documents**

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1. SCOPE:

The scope of this SAE Aerospace Recommended Practice (ARP) is to establish the procedure for creating titles of aerospace tubing and clamp installation documents generated by SAE Subcommittee G-3E.

2. REFERENCES:

2.1 Applicable Documents:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications: Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

ARP1987 Titles, SAE G-3 Committee Document, Selection of

2.1.2 U.S. Government Publications: Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-STD-12 Abbreviations for Use on Drawings and in Specifications, Standards, and Technical Documents

3. REQUIREMENTS:

3.1 General:

The general requirements for creating titles shall be as specified in ARP1987. The creation of basic name and basic name modifiers for a product are further characterized as follows and as shown in Tables 1 and 2.

3.2 Composition of Titles:

Each title shall consist of a basic name followed by a series of basic name modifiers. The basic name consists of a noun-word or a noun-phrase used as a single definer. Basic name modifiers shall be in a form acceptable to the G-3E committee members and shall be applied as shown in Figures 1 and 2.

3.3 Basic Name:

The first part of the title shall be the basic name which is either a basic-noun or a basic-noun-phrase. For purposes of this procedure, basic-noun and basic-noun-phrases are categorized as follows:

- a. Tubing: Includes configurations such as straight, coil, bend, and oval. The basic-noun tubing does not include clamps and clamping devices or flange.
- b. Tubing Assembly: Consists of a tubing and tubing fastening devices such as wire, clamps, flanges, fittings, bolts, nuts, and screws.
- c. Tubing End: A standard which defines geometry of an end configuration which is designed to mate with a comparable male and female counterparts used to complete a joint.
- d. Tube Hollow: A hollow shape of material for fabrication of tubing.
- e. Clamp: A fastening device usually loop profile to hold tubing, hose, cable, or instrumentation.
- f. Clamp Assembly: It consists of clamp, bolts, nuts or screws, and locking wire.
- g. Clamp Block and Clamp Block Assembly: It consists of support block, reinforcing channels, bonding straps, and screws.
- h. Clamping Tool: A tool used for installation of clamp.