



AEROSPACE STANDARD

AS85731™

REV. B

Issued 2004-06
Revised 2011-01
Cancelled 2015-12

Superseded by MIL-F-85731

Fastener, Positive Locking, Electronic Equipment,
General Specification For

FSC 5340

RATIONALE

AS85731 was written to permit the cancellation and supersession of MIL-F-85731 without change in requirements. The military Preparing Activity has decided not to adopt AS85731. Users are recommended to use MIL-F-85731 for the same requirements.

CANCELLATION NOTICE

This Technical Report has been declared "CANCELLED" as of December 2012 and has been superseded by MIL-F-85731. By this action, this document will remain listed in the respective index, if applicable. Cancelled Technical Reports are available from SAE.

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Documents

Document Sharing Hub

1. SCOPE

1.1 Scope

This specification covers positive locking fasteners intended for use in aircraft to secure electronic line replaceable units (LRUs).

2. 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 the 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 U.S. Government Publications

Available from the Document Automation and Production Service (DAPS), Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Tel: 215-697-6257, <http://assist.daps.dla.mil/quicksearch/>.

2.1.1 Specifications, Standards and Handbooks

Unless otherwise specified, the following specifications, standards and handbooks of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

QQ-P-35	Passivation Treatments for Corrosion Resistant Steel
QQ-P-416	Plating, Cadmium (Electrodeposited)
PPP-B-566	Box, Folding, Paperboard
PPP-B-576	Box, Wood, Cleated, Veneer, Paper Overlaid

PPP-B-585	Box, Wood, Wirebound
PPP-B-591	Boxes, Shipping, Fiberboard, Wood-Cleated
PPP-B-601	Boxes, Wood, Cleated Plywood
PPP-B-621	Box, Wood, Nailed and Lock Corner
PPP-B-636	Box, Shipping, Fiberboard
PPP-B-665	Boxes, Paperboard, Metal Edge and Components
PPP-B-676	Boxes, Setup
PPP-H-1581	Hardware (Fasteners and Related Items), Packaging of
PPP-T-60	Tape, Packaging, Waterproof
MILITARY	
MIL-P-116	Preservation, Methods of
MIL-H-6088	Heat Treatment of Aluminum Alloys
MIL-H-6875	Heat Treatment of Steels (Aircraft Practices), Process For
MIL-A-8625	Anodic Coatings, for Aluminum and Aluminum Alloys
MIL-L-8937	Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting, NATO Code S-1738
MIL-L-10547	Liner, Case and Sheet, Overwrap, Water Vaporproof Or Waterproof, Flexible
STANDARDS	
MILITARY	
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-130	Identification Marking of U. S. Military Property
MIL-STD-810	Environmental Test Methods and Engineering Guidelines
DOD-STD-1788Avionics Interface Design Standard	

(Copies of specifications, standards, handbooks, drawings and publications required by manufacturer's in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Other Publications

The following document(s) form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable.

2.2.1 ASQ Publications

Available from American Society for Quality, 600 North Plankinton Avenue, Milwaukee, WI 53203, Tel: 800-248-1946 (United States or Canada)) or +1-414-272-8575 (International), www.asq.org

ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes

2.2.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585 www.astm.org

ASTM B117 Method of Salt Spray (Fog) Testing

2.3 Order of Precedence

In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

3. REQUIREMENTS

3.1 Specification Sheet

The individual item requirements shall be as specified herein and in accordance with the applicable specification sheet. In the event of any conflict between the requirements of this specification and the specification sheet, the latter shall govern.

3.2 First Article Inspection

When specified (see 6.2.1), a sample shall be subjected to first article inspection in accordance with 4.3.

3.2.1 Requalification

Requalification will be required in the event any change is made in the product design, material, heat treatment, finish or lubrication.

3.2.2 Retention of Qualification

To maintain status on the Qualified Product List, certification shall be submitted at two year intervals to indicate continued compliance with the requirements of this specification (see 4.3.1).

3.3 Material

The material shall be as specified herein in the applicable specification sheet.

3.3.1 Heat Treatment

3.3.1.1 Aluminum Alloy

Heat treatment of aluminum alloy components shall be in accordance with MIL-H-6088.

3.3.1.2 Corrosion Resistant Steel (CRES) and Alloy Steel

Heat treatment of CRES and alloy steel components shall be in accordance with MIL-H-6875.

3.3.2 Protective Treatment

Fastener components shall be plated or treated as specified herein or in the applicable specification sheet or standard.