



AEROSPACE STANDARD	AS4843/1	
	Issued Reaffirmed	1995-05 2015-06
Fittings, Beaded to 37° Flared, Fluid Connection		

RATIONALE

AS4843/1 has been reaffirmed to comply with the SAE five-year review policy.

1. SCOPE:

1.1 Scope:

This SAE Aerospace Standard (AS) establishes the requirements for fluid fittings that combine both beaded hose connections and 37° flared connections for use in all types of fluid systems.

1.2 Classification:

Fittings shall be furnished in the types and styles designated by the applicable AN and other engineering standard drawings. This specification is the same as MIL-F-5509 as applicable to beaded to 37° flared tube fittings except for updated materials and process specifications and industry coordinated general improvements. It is intended to serve as a procurement specification for the fittings described herein and in Section 6.

2. REFERENCES:

2.1 Applicable Documents:

The following publications form a part of this specification 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 specification and references cited herein, the text of this specification takes precedence. Nothing in this specification, 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.

AS4395	Fitting End - Flared Tube Connection, Design Standard
AS4396	Fitting End - Bulkhead Flared Tube Connection, Design Standard
AS4841	Fittings, 37° Flared, Fluid Connection
AS4843	Fittings, Beaded, Fluid Connection

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SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4843/1>

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

MS33656 Fitting End, Standard Dimensions for Flared Tube Connection and Gasket Seal
MS33657 Fitting End, Standard Dimensions for Bulkhead Flared Tube Connection
MS33658 Fitting End, Hose Connection, Standard Dimensions for

3. TECHNICAL REQUIREMENTS:

3.1 Material:

See AS4843.

3.2 Design and Fabrication:

The design and fabrication of the fittings shall be in accordance with the applicable drawings. The beaded ends and the 37° cone ends of fittings shall be in accordance with MS33656, MS33657, MS33658, AS4395, and/or AS4396 as applicable. The 37° cone flared fitting ends shall meet the requirements of AS4841 as applicable.

3.3 Finish:

See AS4843.

3.4 Identification of Product:

See AS4843.

3.5 Workmanship:

See AS4843 for the beaded ends and fitting body and AS4841 for the 37° flared ends.

4. QUALITY ASSURANCE PROVISIONS:

See AS4843 for the beaded ends and fitting body and AS4841 for the 37° flared ends.

5. PREPARATION FOR DELIVERY:

See AS4843.

6. NOTES:

6.1 Intended Use:

See AS4843.