



AEROSPACE STANDARD	AS4842/1	
	Issued Reaffirmed	1995-05 2015-06
Fittings, 37° Flared to Pipe Threaded, Fluid Connection		

RATIONALE

AS4842/1 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 37° flared and pipe threaded 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, AS, MS, NAS, and other engineering standard drawings. This specification is the same as MIL-F-5509 as applicable to 37° flared to pipe threaded 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, External Thread, Flareless Design Standard
AS4841	Fittings, 37° Flared, Fluid Connection
AS4842	Fittings and Bosses, Pipe Threaded, 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/AS4842/1>

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
MS33677 Fitting End, Taper Pipe Thread, Standard Dimensions for

3. TECHNICAL REQUIREMENTS:

3.1 Material:

See AS4842.

3.2 Design and Fabrication:

The design and fabrication of the fittings shall be in accordance with the applicable drawings. The 37° cone and pipe threaded ends of fittings shall be in accordance with AS4395, MS33656, or MS33677 as applicable. The 37° cone flared fitting ends shall meet the requirements of AS4841 as applicable.

3.3 Finish:

See AS4842.

3.4 Identification of Product:

See AS4842.

3.5 Weight:

See AS4842.

3.6 Workmanship:

See AS4842.

4. QUALITY ASSURANCE PROVISIONS:

See AS4842 for pipe threaded fitting ends and AS4841 for the fitting body and flared ends.

5. PREPARATION FOR DELIVERY:

See AS4842.