

# AEROSPACE MATERIAL SPECIFICATION



**MAM 2615B**

Issued AUG 1945  
Revised JUL 1991  
Cancelled NOV 2001  
Superseded by AMS 2615  
Superseding MAM 2615A

Pressure Testing, Hydraulic  
Pressure as Specified, Metric

## CANCELLATION NOTICE

This specification has been "CANCELLED" by the Aerospace Materials Division, SAE, as of November 2001, and has been superseded by AMS 2615 using a test pressure As Specified. The requirements of the latest issue of AMS 2615 shall be fulfilled whenever reference is made to the cancelled MAM 2615. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications noting that it is superseded by AMS 2615 using a test pressure As Specified.

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## 1. SCOPE:

This specification provides requirements and procedures for hydraulic-pressure leak testing of parts.

### 1.1 AMS 2615 is the inch/pound version of this MAM.

### 1.2 Classification:

The following classes of tests establish the allowable leakage as follows:

Class A - No visible leakage permitted.

Class B - 2 mL/minute.

Class C - 2 mL/minute for any area bounded by a 25 mm diameter circle.

Class D - Very slow leak allowing the surface to become slightly moist or damp.

Class E - A specified leakage rate acceptable to purchaser.

#### 1.2.1 If a class is not specified, Class A shall apply.

### 1.3 Safety - Hazardous Materials:

While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel involved.

## 2. APPLICABLE DOCUMENTS:

Not applicable.

## 3. TECHNICAL REQUIREMENTS:

### 3.1 Equipment:

#### 3.1.1 Fixtures: Test fixtures shall not seal off areas of possible leakage or create stresses on parts other than those induced by the pressure or by fittings acceptable to purchaser.

#### 3.1.2 Gaskets: Suitable gasket material shall be used with plugs or blanking plates to prevent damage to finished surfaces. Flanges or fittings designed for use with specific O-rings or gaskets shall use those for test. Formed in place gaskets that could mask dimensional or surface flaws shall not be used except for raw castings.

#### 3.1.3 Valves: Bleeder valves shall be provided to release entrapped air.