

NOTICE OF
ADOPTION

AMS 2808C-91
NOTICE 1
31 October 1991
SUPERSEDING
AMS 2808B-76
26 July 1984

ADOPTION NOTICE

IDENTIFICATION FORGINGS

The above non-Government document was adopted on 10 October 1991 and is approved for use by the DoD. The indicated industry group has furnished the clearances required by existing regulations. Copies of the document should be ordered from Standardization Documents Order Desk, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094 for issue to DoD activities only. All others desiring copies must obtain them from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

RELEASING NON-GOVERNMENT STANDARDS BODY: Society of Automotive Engineers

AMS APPROVAL DATE: 1 October 1991

Custodians:

Army - MR
Navy - AS
Air Force - 11

Military Coordinating Activity:

Army - MR
Project FORG-0222

AREA FORG

DISTRIBUTION STATEMENT A Approved for public release; distribution unlimited.



400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE MATERIAL SPECIFICATION



AMS 2808C

Issued 13 JUN 1940
Revised 1 OCT 1991

Superseding AMS 2808B

Submitted for recognition as an American National Standard

IDENTIFICATION Forgings

1. SCOPE:

This specification covers the requirements for identification of forgings, including die forgings, hand forgings, and rolled rings.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

2.1 SAE Publications:

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

AS478 Identification Marking Methods

3. TECHNICAL REQUIREMENTS:

3.1 Marking Method:

(R)

Shall be in accordance with any method permitted in AS478, unless a specific method is listed on the forging drawing or purchase order. Marking materials and procedures shall have no deleterious effect on the forgings or their performance.

3.1.1 When the forging configuration does not permit identification marking or (R) when specified by purchaser, required identification shall be accomplished by tagging the forgings or by marking the package containing the forgings.

3.2 Location:

(R)

Shall be as specified on the forging drawing or purchase order.

SAE Technical Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

AMS 2808C

SAE

AMS 2808C

3.2.1 When a location has not been specified and a permanent marking method is (R) to be applied, the supplier shall select a location that does not encroach on any edge, corner, fillet, or designated high stress area.

3.2.2 When a location has not been specified and a non-permanent marking method (R) is to be applied, the supplier shall select a prominent location on the surface of the forging.

3.3 Required Information:

(R) Shall be as specified on the forging drawing or purchase order. When required information is not specified, forgings shall be identified with the following information.

Forging/Part Number

Manufacturer's Identification

Die Equipment/Cavity Identification, when more than one set of dies is used.

Number(s) and/or letter(s) traceable to the chemical composition test data, as required by the forging material specification.

Number(s) and/or letter(s) traceable to the mechanical property test data, as required by the forging material specification.

Nondestructive testing acceptance marking, as required by the forging drawing and nondestructive testing specification.

3.3.1 Hand forgings: Shall also be marked with an arrow indicating the direction of longitudinal grain flow. The marking on square or rectangular hand forgings shall be on a face parallel to the long-transverse grain direction. The marking location for other hand forgings, such as rounds, biscuits, or contoured shapes, shall be at the option of the forging vendor.

3.3.2 Forged or Rolled Rings: Shall also be marked with an arrow indicating the direction of predominant grain flow, when this direction is other than circumferential.

3.3.3 Test Specimens: When test specimens are not attached to the forgings, (R) they shall be identified in accordance with the requirements of this specification to provide traceability to the forgings they represent.

4. QUALITY ASSURANCE PROVISIONS:

4.1 Responsibility for Inspection:

The vendor of forgings shall be responsible for inspection to ensure that the identification markings are legible and have been accomplished in accordance with the specified requirements.

5. PREPARATION FOR DELIVERY:

Not applicable.