



AEROSPACE MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
TWO PENNSYLVANIA PLAZA, NEW YORK, N.Y. 10001

AMS 2372

Issued 11-1-70
Revised

QUALITY ASSURANCE SAMPLING OF CARBON AND LOW ALLOY STEELS Forgings and Forging Stock

1. **APPLICATION:** To provide quality assurance procedures which may be used to determine conformance to applicable specification requirements of carbon and low alloy steel forgings and forging stock.
 - 1.1 Omission from this specification of confirmatory tests of certain material properties or attributes controlled by the applicable specification for a material does not relieve the vendor of responsibility for furnishing materials which conform in all respects to the applicable specification.
 - 1.2 In the event of a conflict between the requirements specified herein and the requirements of a particular material specification, the following rules shall apply:
 - 1.2.1 When the requirements of the material specification are more stringent, they shall take precedence.
 - 1.2.2 When the requirements of this AMS are more stringent, they shall take precedence.
 - 1.2.3 When instructions are issued by the purchaser regarding quality assurance sampling procedures, such instructions shall take precedence over the requirements of either this specification or the particular specification in which this specification is invoked.
2. **RESPONSIBILITY FOR TESTS:** The vendor shall supply all samples and shall be responsible for accomplishing the required tests. Results of tests shall be reported to the purchaser as required by the applicable material specification.
3. **TESTING:** Test methods shall be in accordance with the requirements of the applicable material specification. If a test method is not specified, the method of test shall be as agreed upon by purchaser and vendor.
4. **REQUIREMENTS:**
 - 4.1 **Classification:** For the purpose of clarifying test requirements, forgings shall be classified as follows:

Class	Description
I	Forgings furnished in the final heat treated condition and requiring destructive testing for verification of specified mechanical properties.
II	Forgings furnished normalized, normalized and tempered, normalized and annealed, or annealed only, requiring capability testing to assure conformance to specified mechanical properties after subsequent heat treatment.
III	Forgings furnished hardened and tempered to a specified hardness range only.
IV	Forgings furnished normalized, normalized and tempered, normalized and annealed, or annealed only, i. e., carburizing grades.

SAE Technical Board rules provide that: "All technical reports, including standards approved by the Board, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard, and no commitment to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."