

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
29 West 39th Street
New York City

AMS 4614C

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B R A S S F O R G I N G S

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.

2. FORM: Forgings.

3. COMPOSITION:

Copper	58.0 - 62.0
Lead	1.5 - 2.5
Iron	0.30 max
Total Other Elements	0.50 max
Zinc	remainder

4. CONDITION: Forgings shall be supplied with hardness of Brinell 70 - 120, 1000 kg load, or equivalent.

5. QUALITY: (a) Forgings shall be uniform in quality and condition, clean, sound, smooth, and free from foreign materials and from internal and external defects detrimental to fabrication or to performance of parts. Forgings in which defects are revealed during fabrication will be subject to rejection.

(b) Forgings and parts shall be subject to inspection by any method which will reveal harmful defects.

6. REPORTS: (a) Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a notarized report showing the results of tests to determine conformance to the requirements of this specification, or stating that the chemical composition of the product conform to the requirements specified. This report shall include the purchase order number, material specification number, part number and quantity.

(b) Unless otherwise specified, the vendor of finished or semi-finished parts shall furnish with each shipment three copies of a notarized report showing the purchase order number, material specification number, contractor or other direct supplier of the product, part number, and quantity. When the product for making parts is produced or purchased by the parts vendor, that vendor shall inspect each lot of the product to determine conformance to the requirements of this specification, and shall include in the report a certification that the product conforms, or shall include copies of laboratory reports showing the results of tests to determine conformance.

7. IDENTIFICATION: Forgings shall be identified in accordance with the latest issue of AMS 2808.

8. REJECTIONS: Material not conforming to this specification or to authorized modifications will be subject to rejection. Unless otherwise stipulated, rejected material or parts will be returned to vendor at vendor's expense, unless purchaser receives, within three weeks of notification of rejection, other instructions for disposition.