

AERONAUTICAL MATERIAL SPECIFICATION

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

AMS 4507A

Issued 7-1-45

Revised 11-1-46

BRASS SHEET AND STRIP Half Hard

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

2. FORM: Sheet and strip.

3. APPLICATION: Primarily for stampings.

4. COMPOSITION:

⊕	Copper	68.5 - 71.5
	Lead	0.07 max
	Iron	0.05 max
	Zinc	remainder

5. CONDITION: Cold rolled to half-hard temper conforming to the following:

Tensile Strength, psi	56,500 - 66,500
Hardness Rockwell	30T 56 - or equivalent

6. QUALITY: (a) Material 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. Material in which defects are revealed during fabrication will be subject to rejection.

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

7. TOLERANCES: Unless otherwise specified, tolerances shall conform to the latest issue of AMS 2222 as applicable. Thickness, width and straightness tolerances shall be as specified below:

- (a) Thickness - Table I.
- (b) Width - Table III.
- (c) Straightness - Table IV.

8. 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 and physical properties of the product conform to the requirements specified. This report shall include the purchase order number, material specification number, size 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.