

AERONAUTICAL MATERIAL SPECIFICATION

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

AMS 4507

Issued 7-1-45

Revised

BRASS SHEET AND STRIP Half Hard

1. ACKNOWLEDGMENT: Vendor shall mention this specification number in all quotations and when acknowledging purchase orders.

2. COMPOSITION:

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

3. CONDITION: Cold rolled to half-hard tempers conforming to the following physical properties:

Tensile Strength, psi	56,500 - 66,500
Hardness Rockwell	30T 56 - 68

4. QUALITY: Sheet and strip shall be of uniform quality and condition, clean, sound, smooth and free from defects detrimental to its fabrication. Sheet and strip revealing defects during fabrication shall be subject to rejection.

5. TOLERANCES: Unless otherwise specified, tolerances shall conform to AMS 2222 as applicable and/or as specified below:

- (a) Width - Table III.
- (b) Camber - Table IV.

6. REPORTS: (a) Unless otherwise specified, the vendor of sheet or strip shall furnish with each shipment three copies of a notarized report showing the results of tests made to determine conformance to this specification or stating that the chemical composition and hardness of the sheet or strip 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 sheet or strip, part number, and quantity. When sheet or strip for making parts is supplied by the parts vendor, vendor shall inspect each lot of sheet or strip to determine conformance to the requirements of this specification, and shall include in the report a certification that the sheet or strip conforms, or shall include copies of the laboratory report showing the results of tests to determine conformance.