

AERONAUTICAL MATERIAL SPECIFICATION

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

AMS 4520E

Issued 1-22-40

Revised 6-1-51.

BRONZE STRIP

89Cu - 4Sn - 4Pb - 3Zn

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

2. FORM: Strip.

3. APPLICATION: Primarily for rolled split bushings.

4. COMPOSITION:

Copper	86.7 min
Tin	3.5 - 4.5
Lead	3.5 - 4.5
Zinc	1.5 - 4.0
Iron	0.10 max
Total Named Elements	99.8 min

5. CONDITION: Cold rolled.

6. TECHNICAL REQUIREMENTS:

6.1 Tensile Properties:

Elongation, % in 2 in. 16 min

6.2 Hardness: Rockwell B 72-79 or equivalent.

7. QUALITY: Strip 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.

8. TOLERANCES: Shall be as specified on the purchase order.

9. REPORTS:

9.1 Unless otherwise specified, the vendor of strip shall furnish with each shipment three copies of a report showing the results of tests to determine conformance to the requirements of this specification or stating that the chemical composition and tensile properties of the strip conform to the requirements specified. This report shall include the purchase order number, material specification number, thickness, size, and quantity.