

# AERONAUTICAL MATERIAL SPECIFICATION

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## B R O N Z E   S T R I P

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	86.5 min
Tin	3.5 - 4.5
Lead	3.5 - 4.5
Zinc	1.0 - 4.0
Iron	0.10 max
Total Named Elements	99.8 min

5. CONDITION: Cold rolled conforming to the following requirements:

Elongation, % in 2 in	16 min
Hardness	Rockwell B 72-79, or equivalent

6. QUALITY: (a) 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. The surfaces shall be free from pits and excessive lead segregation which will affect burnishing. Strip in which defects are revealed during fabrication will be subject to rejection.

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

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

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 the physical properties of the product conforms 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 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.

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