

AEROSPACE MATERIAL SPECIFICATION

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Noncurrent	JAN 1983
Cancelled	OCT 2001
Superseding AMS 4632D	

Aluminum Bronze Bars and Rods
90Cu - 8.5Al
Hard

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Documents

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1. SCOPE:

1.1 Form:

This specification covers one type of aluminum bronze in the form of bars and rods.

1.2 Application:

Primarily for parts, such as bushings, requiring strength and corrosion resistance at moderate temperatures.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications (AMS) shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

2.1.1 Aerospace Material Specifications:

AMS 2221	Tolerances, Copper and Copper Alloy Rods and Bars
AMS 2350	Standards and Test Methods

2.2 ASTM Publications:

Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM B154	Mercurous Nitrate Test for Copper and Copper Alloys
ASTM B249	General Requirements for Wrought Copper and Copper-Alloy Rod, Bar, and Shapes
ASTM E8	Tension Testing of Metallic Materials
ASTM E10	Brinell Hardness of Metallic Materials
ASTM E18	Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials
ASTM E478	Chemical Analysis of Copper-Base Alloys

2.3 Government Publications:

Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

2.3.1 Federal Standards:

Federal Test Method Standard No. 151 - Metals; Test Methods