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400 COMMONWEALTH DRIVE WARRENDALE PA 15096

**AEROSPACE
MATERIAL
SPECIFICATION**

AMS 4129B
Superseding AMS 4129A

Issued 11-1-69
Revised 7-1-83

ALUMINUM ALLOY BARS, ROLLED OR COLD FINISHED
1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T651)
Stress Relief Stretched

1. SUPERSEDING SPECIFICATION: The requirements of this specification are embodied in the latest issue of AMS 4117, ALUMINUM ALLOY BARS AND FLASH WELDED RINGS, 1.0Mg - 0.60Si - 0.28Cu - 0.20Cr (6061-T6 -T651), Solution and Precipitation Heat Treated. The requirements of the latest issue of AMS 4117 shall be fulfilled whenever reference is made to this specification.

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AEROSPACE MATERIAL

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

SPECIFICATION

AMS 4129A

Superseding AMS 4129

Issued 11-1-69

Revised 1-15-79

UNS A96061

ALUMINUM ALLOY BARS, ROLLED, DRAWN, OR COLD FINISHED

1.0Mg - 0.60Si - 0.30Cu - 0.20Cr (6061-T651)

Stress Relief Stretched

1. SCOPE:

1.1 Form: This specification covers an aluminum alloy in the form of bars and rods 0.500 in. (12.70 mm) and over in nominal diameter or least distance between parallel sides.

1.2 Application: Primarily for parts where strength is required and limited formability is acceptable and where distortion during machining must be minimized.

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 Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2201 - Tolerances, Aluminum and Aluminum Alloy Bar, Rod, Wire, and Forging Stock, Rolled or Drawn

AMS 2350 - Standards and Test Methods

AMS 2355 - Quality Assurance Sampling and Testing of Aluminum-Base and Magnesium-Base Alloys, Wrought Products (Except Forgings and Forging Stock) and Flash Welded Rings

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

2.2.1 Military Specifications:

MIL-H-6088 - Heat Treatment of Aluminum Alloys

2.2.2 Military Standards:

MIL-STD-649 - Aluminum and Magnesium Products, Preparation for Shipment and Storage

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