AEROSPACE MATERIAL SPECIFICATION

AMS6930™	REV. G
Issued 2004-01 Revised 2022-08 Superseding AMS6930F	

Titanium Alloy Bars, Forgings and Forging Stock
6.0Al - 4.0V
Solution Heat Treated and Aged
(Composition similar to UNS R56400)

RATIONALE

AMS6930G results from a Five-Year Review and update of this specification with changes to update wording to prohibit unauthorized exceptions (3.5.1.1.5, 8.5), relocate definitions (2.3) and information regarding data and statistical analysis (3.5.1.1.6), update applicable documents (Section 2), metric conversions (Tables 2 and 3), and ordering information (8.6).

1. SCOPE

1.1 Form

This specification covers a titanium alloy in the form of round, hexagon and square bars and forgings up through 3.000 inches (76.20 mm), inclusive, rectangular bar and forgings of thickness up through 4.000 inches (101.60 mm), inclusive, and forging stock of any size (see 8.6).

1.2 Application

These products have been used typically for parts that are machined after solution heat treatment and aging and are suitable for parts requiring high strength-to-weight ratios up to moderately elevated temperatures, but usage is not limited to such applications.

1.2.1 Certain processing procedures and service conditions may cause these products to become subject to stress-corrosion cracking; ARP982 recommends practices to minimize such conditions.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AMS2241 Tolerances, Corrosion- and Heat-Resistant Steel, Iron Alloy, Titanium, and Titanium Alloy Bars and Wire

AMS2249 Chemical Check Analysis Limits, Titanium and Titanium Alloys

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)**
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
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SAE WEB ADDRESS: **http://www.sae.org**

For more information on this standard, visit
https://www.sae.org/standards/content/AMS6930G/