



AEROSPACE MATERIAL SPECIFICATION	AMS4965™	REV. N
	Issued	1966-09
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Superseding AMS4965M		
Titanium Alloy, Bars, Wire, Forgings, and Rings 6.0Al - 4.0V Solution Heat Treated and Aged (Composition similar to UNS R 6400)		

RATIONALE

AMS4965N results from a Five-Year Review and update of this specification with changes to update general agreement language related to unauthorized exceptions (3.5.1.1, 3.5.1.1.3, 8.7), and update applicable documents (Section 2, 8.3) and ordering information (8.8).

1. SCOPE

1.1 Form

This specification covers a titanium alloy in the form of bars, wire, forgings, and flash welded rings 4.000 inches (101.60 mm) and under in nominal diameter or least distance between parallel sides and on both of any size for forging and flash welded rings.

1.2 Application

These products have been used typically for parts which 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.

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