

MIL-T-9046J  
AMENDMENT 2  
22 August 1986  
SUPERSEDING  
INTERIM AMENDMENT 1 (AS)  
03 February 1986

## MILITARY SPECIFICATION

### TITANIUM AND TITANIUM ALLOY, SHEET, STRIP, AND PLATE

This amendment forms a part of Military Specification MIL-T-9046J, dated 11 January 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

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#### 3.1, Delete and substitute:

##### "3.1 Material."

3.1.1 Commercially pure alloys. The material shall be produced by either electron beam melting or by multiple melting under vacuum or inert atmosphere.

3.1.2 Alpha alloys, alpha-beta alloys and beta alloys. The material shall be produced by multiple melting.

##### 3.1.3 Melting controls.

3.1.3.1 Multiple melting. The first melt and any intermediate melts shall be made by consumable electrode, non-consumable electrode, electron beam melting or other vacuum melting process with the final melt being by consumable electrode arc melting under vacuum or inert atmosphere with no alloy additions made in the last consumable electrode melt.

3.1.3.2 Non-consumable electrode melting. The atmosphere shall be vacuum or inert gas at a pressure not higher than 250mm of mercury. The electrode tip for nonconsumable electrode melting shall be watercooled copper."

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Table I: For classification AB-1, change entry in H (max) column from "0.0125" to "0.015".

#### Custodians:

Army - MR  
Navy - AS  
Air Force - 20

#### Preparing Activity:

Navy - AS  
(Project No. 9535-0414)

#### Review Activities:

Army - AR, AV, MI  
Air Force - 99  
DLA - IS

#### User Activity:

Navy - SH

AMSC N/A

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