



AEROSPACE MATERIAL SPECIFICATION

AMS-QQ-A-200/2**REV. B**

Issued 1997-07
Reaffirmed 2007-04
Noncurrent 2008-01
Stabilized 2014-02

Superseding AMS-QQ-A-200/2A

Aluminum Alloy 2014, Bar, Rod, Shapes,
Tube, and Wire, Extruded

A92014

RATIONALE

AMS-QQ-A-200/2B stabilizes this document because equivalent technical requirements are contained in AMS4153, ASTM B 221, and ASTM B 241.

STABILIZATION NOTICE

AMS-QQ-A-200/2B has been declared "STABILIZED" by AMS Committee D. This document will no longer be updated and may no longer represent standard industry practice. The last technical update of this document occurred in July 1997. Users of this document should refer any certification issues (e.g. exceptions listed on the certification report) to the cognizant engineering organization for their disposition. CAUTION: In many cases the purchaser is not the cognizant engineering organization (i.e. purchaser may be a sub tier supplier).

AMS Committee D recommends that the following technically equivalent (e.g. properties, fit, form, function) specifications be used for future procurement. This listing does not constitute authority to substitute these specifications for the "STABILIZED" specification.

Type I Tubing	ASTM B 241	Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube – designating alloy 2014 and applicable temper
Type II Tubing	AMS4153 ASTM B 221	Aluminum Alloy Extrusions 4.5Cu - 0.85Si - 0.80Mn - 0.50Mg (2014 -T6) Solution and Precipitation Heat Treated, designating form "tubing" Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes – designating form "tubing" and alloy 2014 and applicable temper
All Other Product	AMS4153 ASTM B 221	Aluminum Alloy Extrusions 4.5Cu - 0.85Si - 0.80Mn - 0.50Mg (2014 -T6) Solution and Precipitation Heat Treated Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes – designating alloy 2014 and applicable temper

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NOTICE

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The original Federal Specification was adopted as an SAE standard under the provisions of the SAE Technical Standards Board (TSB) Rules and Regulations (TSB 001) pertaining to accelerated adoption of government specifications and standards. TSB rules provide for (a) the publication of portions of unrevised government specifications and standards without consensus voting at the SAE Committee level, (b) the use of the existing government specification or standard format, and (c) the exclusion of any qualified product list (QPL) sections.

The complete requirements for procuring aluminum alloy 2014 bar, rod, shapes, tube, and wire extruded described herein shall consist of this document and the latest issue of AMS-QQ-A-200.

1. SCOPE AND CLASSIFICATION:

1.1 Scope:

This specification covers the specific requirements for aluminum alloy 2014 bar, rod, shapes, tube, and wire produced by extrusion.

1.2 Classification:

1.2.1 Tempers: Bar, rod, shapes, tube, and wire are classified in the following tempers as specified (See 6.2): O, T4, T42, T4510, T4511, T6, T62, T6510, or T6511. Definitions of tempers are specified in AMS-QQ-A-200.

1.2.2 Tubing: Tubing shall be additionally classified as follows:

<u>Type</u>	<u>Description</u>
I	- Tubing extruded from hollow billets using die and mandrel (See AMS-QQ-A-200).
II	- Tubing extruded from solid billets using a porthole or spider die or similar tooling (See AMS-QQ-A-200).

1.2.2.1 See AMS-QQ-A-200 for applications of each type.

2. APPLICABLE DOCUMENTS:

See AMS-QQ-A-200.

3. REQUIREMENTS:

3.1 Chemical Composition:

The chemical composition shall conform to the requirements specified in Table I.