

FEDERAL SPECIFICATION

ALUMINUM ALLOY, BAR, ROD, SHAPES, STRUCTURAL SHAPES, TUBE AND WIRE,
EXTRUDED; GENERAL SPECIFICATION FOR

This amendment which forms a part of QQ-A-200E/GEN, dated November 6, 1980 is approved by the Assistant Administrator, Office of Personal Property, General Services Administration for the use of all Federal agencies.

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Paragraph 1.2, ADD: "1.2.2 Tubing. Tubing shall be additionally classified as follows:

Type I - Tubing extruded by the method defined in 6.4.5.1.

Type II - Tubing extruded by other methods (see 6.4.5.2)."

Paragraph 2.2, ADD, after "ASTM G34": "-72"; DELETE in title of ASTM G47: "7XXX Series"

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Paragraph 3.7, DELETE fourth line and SUBSTITUTE: "corrosion less than that illustrated by photograph B in figure 2 of ASTM G34-72"

Paragraph 3.9, ADD, after last line: "In addition to other markings specified, type I tubes shall have the label "TYPE I" applied on locations and in a manner in accordance with FED-STD-184 (see 6.4.5.1)."

Paragraph 3.12, DELETE entire paragraph and SUBSTITUTE: "3.12 Tube. When specified, type I tube shall be supplied (see 6.2, 6.4.5.1)."

Paragraph 3.13, DELETE, on third line: "pipes, laps and seams" and SUBSTITUTE: "internal voids and cavities, surface defects running lengthwise and appearing as folded-over metal or crevices"

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Paragraph 4.2.1.1, INSERT, in third line after "heat-treated lot": "or lots"

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Paragraph 4.3.3, DELETE, in last line, "MIL-STD-649" and SUBSTITUTE "MIL-STD-105".

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Paragraph 6.1, ADD: "6.1.1 Tube. Type I tube should be applied to the transport of fluids and to every structural application where the tubing might be subjected to internal forces, either local or distributed, which tend to expand the tube diameter. Type II tube is acceptable for general structural applications."

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Paragraph 6.2, ADD: "6.2.2 Type I tube. Procurement documents should state Type I when required."

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Paragraph 6.4, ADD: "6.4.5.1 Type I tube. Tube extruded from hollow billet (drilled or pierced from solid ingot, or cast in hollow form) using the die and mandrel process.

"6.4.5.2 Type II tube. Tube extruded from solid billet using a porthole die, spider die or similar tooling."

Paragraph 6.6, ADD as follows: "6.6 It is standard practice in the United States aluminum industry to determine conformance to the chemical composition limits prior to further processing of ingots into wrought products. Due to the continuous nature of the process, it is not practical to keep a specific analysis identified with a specific quantity of finished material."

MILITARY INTEREST:

Custodians

Army - MR
Navy - AS
Air Force - 20

Review Activities

Army - AR, EA, MI, ME
Navy - OS, YD
Air Force - 99
DLA - IS

User Activities

Army - CR
Navy - MC, EC, SH

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - OPP, BPA, PCD, TCS

NASA - JFK, MSF

PREPARING ACTIVITY:

NAVY - AS
DoD Project 9530-0221