

MIL-T-8606C
AMENDMENT 2
12 July 1979

SUPERSEDING
AMENDMENT 1
19 April 1974

MILITARY SPECIFICATION

TUBING, STEEL, CORROSION-RESISTANT
(18-8 STABILIZED AND EXTRA LOW CARBON)

This amendment forms a part of Military Specification MIL-T-8606C, dated 18 June 1973, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

2.1, under heading "Military Standards" add:

"MS33531 Tolerance, Welded Corrosion-Resistant
Steel Tubing

MS33533 Tolerance - Seamless Corrosion-Resistant
Steel Tubing Round"

Under heading "ANA Design Standard" delete: "Seamless" from the title of AND 10102.

PAGE 3

Table I, check analysis tolerance (percent) column, line 5: Delete "+0.20" and substitute "+0.20".

Check analysis tolerance (percent) column, line 6: Delete "+0.15" and substitute "+0.15".

PAGE 4

Table II, nominal wall thickness column, line 4: Delete and substitute ".041 through .050".

Add last line:

".051 and over 10 percent of normal wall thickness".

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Table III: Delete present table and substitute the following table:

"Table III, Mechanical Properties

Nominal Outside Inches	Nominal Wall Thickness Inch	Tensile Strength psi	Yield Strength at 0.2% Offset psi, min	Elongation	
				in 2 in., Strip	%, min Full Tube
Up to 0.188, incl	Up to 0.016, incl	75,000 - 120,000	30,000	--	33
	Over 0.016	75,000 - 105,000	30,000	--	35
Over 0.188 to 0.500, incl	Up to 0.010, incl	75,000 - 115,000	30,000	30	35
	Over 0.010	75,000 - 105,000	30,000	30	35
Over 0.500	Over 0.010	75,000 - 105,000	30,000	30	35

PAGE 6

3.10, lines 5, 6, 7 and 8, last two sentences: Delete and substitute:
"Centerless grinding of the O.D. surface or grit blasting of outer and inner surfaces are not acceptable. When tubing is fabricated by welding, it shall be so processed as to eliminate the bead reinforcement or any dimensional indication whatever of the presence or location of the weld."

add new paragraph to Section 3:

"3.11 Tolerances

3.11.1 Round tubing. Tolerances shall conform to MS 33531 or MS33533 as applicable."

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4.6.2, line 1: Delete "pieces" and substitute "piece".

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4.8.1, add new sentence to end of paragraph:

"A slight discoloration of the cloth of fibrous material shall not be a cause for rejection."

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6.2, line (c): Delete "(see 3.8 and 3.9)" and substitute "(see 3.7 and 3.8)".

Custodians:

Army - MR
Navy - AS
Air Force - 11

Preparing Activity:

Air Force - 11

Project No. 4710-0356

Review Activities:

Army - MI, ME, AR
Air Force - 13, 19, 99
DSA - CS

User Activities:

Army - AT
Navy - OS, YD