

MIL-W-22248A
Amendment 2
6 June 1985

MILITARY SPECIFICATION

WELDMENTS, ALUMINUM AND ALUMINUM ALLOY

This amendment forms a part of Military Specification MIL-W-22248A, dated 29 September 1971, and is approved for use by all Departments and Agencies of the Department of Defense.

Page 1

Identification, Change to: MIL-W-22248A

Preamble, delete and add:

This specification is approved for use by all Departments and agencies of the Department of Defense.

1.2, Change "(see 6.1 and 6.2)" to "(see 6.1 and 6.3)".

Add DD Form 1426 note:

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer, Naval Ordnance Station, Standardization/Documentation Division (524), Indian Head, MD 20640, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

Delete: 2.1 in its entirety and substitute:

" 2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified (see 6.2), the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation, form a part of this specification to the extent specified herein."

Page 2

Add to Specification, Military:

"MIL-P-47158

Penetrant Inspection, Soundness Requirement
for Materials, Parts and Weldments."

AREA-THJM

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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Page 3

Add: "2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein."

Delete under Drawings, the first two paragraphs and 2.2. Substitute:

"(Copies of specifications, standards, handbooks, drawings, and publications required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable."

Delete: AWS A2.0 and A2.2 in their entirety, and substitute:

"AWS A2.4 Symbol for Welding and Nondestructive Testing,
Including Brazing"

Delete the AWS address and substitute:

"(Application for copies should be addressed to the American Welding Society, Inc., 550 N.W. LeJeune Road, Miami, FL 32126)"

Insert: "2.3 Order of Precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence."

Page 8

3.12.1 second line: Change "AWS A2.0" to "AWS A2.4"

Page 16

4.2.2.1.1 last line: Change "AWS A2.2" to "AWS A2.4"

4.2.3.1 fourth line, delete: "(see 6.2)." and substitute, "(see 6.2 and 6.3)."

Page 17

Table I for column of Radiographic method, add footnote symbol "/1" after "...(4.3.1)"

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Table I, for Weldment classes 2 & 3, under Penetrant Method, delete statements in their entirety and substitute:

"No defects except scattered surface porosity not exceeding Grade B of MIL-P-47158, Table III."

Table I, for weldment class 4, under Visual Method change the last phrase from: "Scattered surface porosity shall not exceed the pattern shown in Figure 5" to:

"Scattered surface porosity shall not exceed Grade C with D-2 /2."

Add footnotes: "/1 When specified use Ultrasonic Method (4.3.3)"

"/2 Distribution designation:

D-2 Defects no closer to each other than two times the maximum size."

Page 18

Delete: Figures 3, 4, and 5.

Page 19

4.2.3.2, Add: "The material shall comply with the acceptance standards specified on the applicable drawing, detail specification or by the procuring activity (see 6.2)."

Page 23

4.3.3, Change, "(see 6.3)" to "(6.2)".

Page 24

4.6.1 & 5.1, Change "(see 6.3)" to "(see 6.2)".

Page 25

5.2, 5.3 & 6.1, Change "(see 6.3)" to "(see 6.2)".

Page 26

6.2, Change, "6.2" to "6.3", & "(see 6.2.1)" to "(6.3.1)".

Page 27

6.2.1, Change, "6.2.1" to "6.3.1". 6.2(d), Change, "(see 1.2 and 6.2)" to "(see 1.2 and 6.3)".

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6.3, Change, "6.3" to "6.2"

6.2, Add:

- (1) Whether weld acceptance standards are established by the procuring activity (see 4.2.3.1)
- (m) Whether material acceptance standards are established by the procuring activity (see 4.2.3.2)"

6.4, Delete, 6.4 in its entirety.

DD Form 1426, Delete. Insert attached DD Form 1426.

Custodian:
Navy - OS
Army - EA
Air Force - 20

Preparing Activity:
Navy - OS
(Project No. THJM-0236)

Review:
Army - AR, MR

User:
Army - AT