

INCH-POUND

MIL-DTL-3717C
30 September 2002
SUPERSEDING
MIL-W-3717B
25 August 1976

DETAIL SPECIFICATION

WEIGHT, SOUNDING

Inactive for new design after 18 January 1991.

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

1. SCOPE

1.1 Scope. This specification covers sounding weights used to weight a sounding line for determining depth of water and for obtaining sea bottom samples.

1.2 Classification. The sounding weights should be of the sizes listed below. The weight size should be specified in the acquisition requirements (see 6.2).

7 pounds
14 pounds
25 pounds

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of the documents cited in sections 3 and 4 of this specification, whether or not they are listed.

Beneficial comments (recommendations, additions, deletions) and any pertinent data that may be of use in improving this document should be addressed to: Defense Supply Center Richmond, ATTN: DSCR-VBD, Richmond, VA 23297-5610, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 6605

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MIL-DTL-3717C

2.2 Government documents.

2.2.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents should be those listed in the issue of the Department of Defense (DoD) Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the acquisition requirements (see 6.21).

SPECIFICATIONS

FEDERAL

QQ-L-171 - Lead Pig.

DEPARTMENT OF DEFENSE

MIL-STD-1916 - DoD Preferred Methods for Acceptance of Product.

(Unless otherwise indicated, copies of the above specifications are available from the Standardization Documents Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Electronic copies of military and federal specifications may be obtained from <http://astimage.daps.dla.mil/quicksearch/>).

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified (see 6.2), a sample shall be subjected to first article testing inspection in accordance with paragraph 4.2.

3.2 Material. The sounding weights shall be made from pig lead conforming to grade B of QQ-L-171.

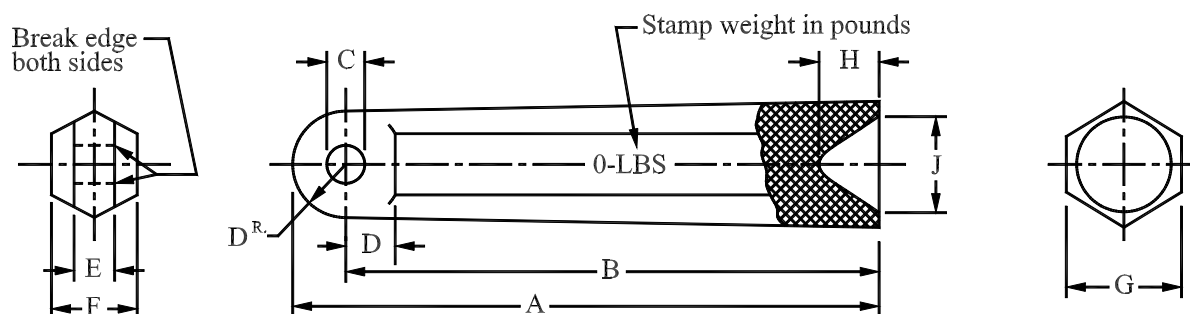
3.3 Construction. The sounding weights shall be solid one-piece castings in the shape and dimensions as shown in figure 1. Faces shall be flat and the eye shall be rounded at the edges. Tolerances on all dimensions shall be plus or minus 1/16 inch.

3.4 Weight. The sounding weights shall conform to the weight shown in figure 1.

3.5 Marking. Each sounding weight shall be stamped on one side with the weight in pounds, as shown in figure 1. Letters and numerals shall be approximately 5/16 inch high.

MIL-DTL-3717C

3.6 Workmanship. Sounding weights shall be clean and reasonably free from adhering foreign matter or defects that would affect their appearance or serviceability.



Size (lbs.) ±3 percent	A	B	C	D	E	F	G	H	J
7	9-9/16	8-3/4	5/8	13/16	5/8	1-3/8	1-3/4	1	1-1/2
14	12-7/16	11-1/2	3/4	15/16	3/4	1-5/8	2-1/4	1-1/4	1-3/4
25	17-7/8	16-3/4	3/4	1-1/8	3/4	2	2-1/4	1-1/2	2

NOTES:

1. All dimensions in inches.
2. Tolerances are $\pm 1/16$ inch.

FIGURE 1. Sounding weight dimensions.

4. VERIFICATION

4.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.2).
- b. Conformance inspection (see 4.3).

4.2 First article inspection. When a first article inspection is required (see 3.1), the number of units to be provided for inspection shall be specified (see 6.2). Units provided for first article inspection shall be subjected to the examinations of paragraph 4.4.1 and to the test of paragraph 4.4.2. The presence of any dimension or any weight not within tolerance shall be cause for rejection of the first article.

4.3 Conformance inspection. Conformance inspection shall be performed in accordance with the inspection provisions set forth herein. A sample of sounding weights shall be selected from each lot in accordance with MIL-STD-1916 inspection level I and examined for attributes. The sample weights shall meet the requirements defined in paragraphs 3.3 thru 3.6 when subjected to the examinations of paragraph 4.4.1 and to the test of paragraph 4.4.2.

MIL-DTL-3717C

4.4 Test methods.

4.4.1 Examination of product. Each of the sample sounding weights selected in accordance with paragraph 4.3 shall be visually and dimensionally examined to verify compliance with paragraphs 3.3, 3.5, and 3.6.

4.4.2 Weight test. Each of the selected samples shall be weighed individually to determine conformance with paragraph 3.4.

4.5 Rejected samples. Any sounding weight in the sample containing one or more visual, dimensional, or weight defects shall be rejected. Rejected weights will be returned to the supplier for corrective action and resubmitted.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the inventory control point's packaging activity within the military department or defense agency, or within the military department's system command. Packaging data retrieval is available from the managing military department's or defense agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory).

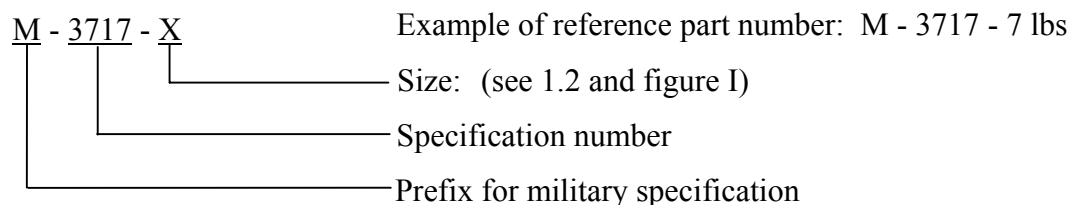
6.1 Intended use. The sounding weights covered by this specification are intended to weight a sounding line for determining depth of water and for obtaining sea bottom samples.

6.2 Acquisition requirements. Acquisition documents should specify the following

- a. Title, number, and date of this specification.
- b. Sounding weight size (see 1.2).
- c. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2.1).
- d. Whether a first article sample is required (see 3.1).
- e. Number of units required for first article inspection (see 4.2).
- f. Packaging requirements (see 5.1).

MIL-DTL-3717C

6.3 Part or identifying number (PIN). The PIN to be used for the sounding weights acquired to this specification is created as follows:



6.4 Subject term (key word) listing.

pig
lead
depth of water
sea bottom
castings

6.5 Changes from the previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:
Navy - SH

Preparing Activity:
DLA - GS1
(Project 6605-0520)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER
MIL-DTL-3717C

2. DOCUMENT DATE (YYYYMMDD)
30 SEPTEMBER 2002

3. DOCUMENT TITLE
WEIGHT, SOUNDING

4. NATURE OF CHANGE (*Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.*)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (*Last, First, Middle Initial*)

b. ORGANIZATION

c. ADDRESS (*Include Zip Code*)

d. TELEPHONE (*Include Area Code*)
(1) Commercial
(2) DSN
(*if applicable*)

7. DATE SUBMITTED
(YYYYMMDD)

8. PREPARING ACTIVITY

a. NAME
Defense Supply Center Richmond

b. TELEPHONE (*Include Area Code*)
Commercial: (804) 279-5019 DSN: 695-5019

c. ADDRESS (*Include Zip Code*)
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Richmond, VA 23297-5610

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
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