

MIL-W-3717B(NAVY)
25 August 1976
SUPERSEDING
MIL-W-3717A
10 June 1958
(See 6.2)

MILITARY SPECIFICATION

WEIGHT, SOUNDING

This specification is approved for use by The Naval Ship Engineering Center, Department of the Navy, and is available 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 shall be of the following sizes, as specified (see 6.1):

7 pounds
14 pounds
25 pounds

2. APPLICABLE DOCUMENTS

2.1 Issues of documents. The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

QQ-L-171 - Lead; Pig.
PPP-B-601 - Boxes, Wood, Cleated Plywood.
PPP-B-621 - Boxes, Wood, Nailed and Lock-Corner.

STANDARDS

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-129 - Marking for Shipment and Storage.

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

2.2 Other publications. The following document forms a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification Rules.

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Drive, Chicago, IL. 60606.)

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Ship Engineering Center, Center Building, SEC 6124, Prince George's Center, Hyattsville, Maryland 20782 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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3. REQUIREMENTS

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

3.2 Construction. The sounding weights shall be solid one-piece castings of the shape and dimensions as shown on 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.

3.3 Weight. The sounding weights shall conform to the weight shown on figure 1.

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

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

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.2 Lot. All sounding weights of the same size offered for delivery at one time shall be considered a lot for purposes of examination.

4.3 Sampling for visual and dimensional examination. A random sample of sounding weights shall be selected from each lot offered for Government inspection in accordance with MIL-STD-105 at inspection level II. The acceptable quality level (AQL) shall be 2.5 percent defective.

4.4 Visual and dimensional examination. Each of the sample sounding weights selected in accordance with 4.3 shall be visually and dimensionally examined to verify compliance with this specification. In addition, each of the samples selected shall be weighed individually to determine conformance with 3.3. Any sounding weight in the sample containing one or more visual or dimensional defects shall be rejected, and if the number of defective sounding weights in any sample exceeds the acceptance number for that sample, the lot represented by the sample shall be rejected.

4.5 Rejected lots. Rejected lots may be offered again for Government examination, provided the contractor has repaired or removed all nonconforming sounding weights. Samples shall again be selected from such resubmitted lots and examined to verify compliance with this specification.

4.6 Inspection of preparation for delivery. The packaging, packing, and marking shall be examined to determine compliance with the requirements of section 5 of this specification.

5. PREPARATION FOR DELIVERY

5.1 Packing. Packing shall be level A, B, or C, as specified (see 6.1).

5.1.1 Level A. Sounding weights, of one size only, shall be packed in overseas type nailed wood, or wood cleated plywood boxes conforming to PPP-B-621 or PPP-B-601, respectively, at the option of the contractor.

5.1.2 Level B. Sounding weights, of one size only, shall be packed in domestic type nailed wood, or wood cleated plywood boxes conforming to PPP-B-621 or PPP-B-601, respectively, at the option of the contractor.

5.1.3 Levels A and B. Unless otherwise specified (see 6.1) the sounding weights shall be packed in quantities as follows:

- (a) 7 pound weight - 20 per box
- (b) 14 pound weight - 10 per box
- (c) 25 pound weight - 8 per box

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5.1.3.1 Contents shall be blocked and braced to prevent movement within the container.

5.1.4 Level C. Sounding weights shall be packed in containers in a manner which will insure acceptance and safe delivery at destination. Shipping containers shall comply with the Uniform Freight Classification Rules or, other regulations as applicable to the mode of transportation.

5.2 Marking. Shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Size required (see 1.2).
- (c) Level of packing required (see 5.1).
- (d) Quantity per box required, when other than as specified (see 5.1.3).

6.2 THE MARGINS OF THIS SPECIFICATION ARE MARKED "#" TO INDICATE WHERE CHANGES (ADDITIONS, MODIFICATIONS, CORRECTIONS, DELETIONS) FROM THE PREVIOUS ISSUE WERE MADE. THIS WAS DONE AS A CONVENIENCE ONLY AND THE GOVERNMENT ASSUMES NO LIABILITY WHATSOEVER FOR ANY INACCURACIES IN THESE NOTATIONS. BIDDERS AND CONTRACTORS ARE CAUTIONED TO EVALUATE THE REQUIREMENTS OF THIS DOCUMENT BASED ON THE ENTIRE CONTENT IRRESPECTIVE OF THE MARGINAL NOTATIONS AND RELATIONSHIP TO THE LAST PREVIOUS ISSUE.

Custodians:

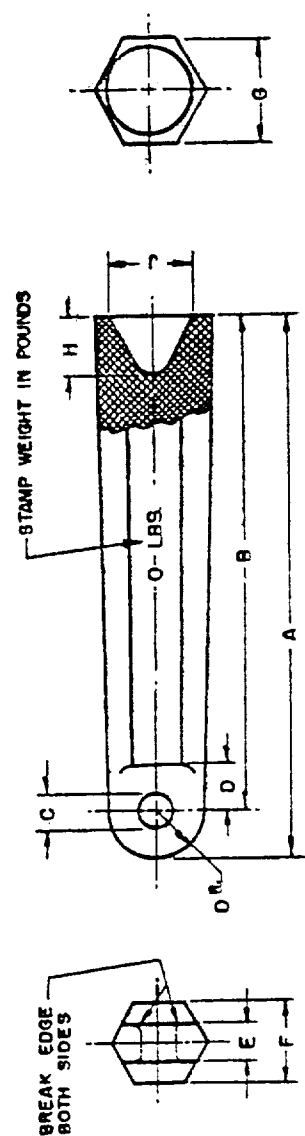
Army - None
Navy - SH
Air Force - None

User activity:
YD

Preparing activity:

Navy - SH
(Project 6605-0222)

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SH 3069

NOTE: ALL DIMENSIONS IN INCHES

TOLERANCES ARE $\pm 1/16$ INCH

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

FIGURE 1 - Sounding weight dimensions

FOLD

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