

MIL-D-3344C  
5 August 1975  
SUPERSEDING  
MIL-D-3344B  
19 March 1970

MILITARY SPECIFICATION

DIVING EQUIPMENT SET: TWO PERSONS;

100 FOOT DEPTH, PACKAGING OF

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

1. SCOPE

1.1 This specification covers the requirements for preservation, packing, and marking of a Diving Equipment Set: Two Persons; 100 Foot Depth (SC 4220-97-CL-E02).

2. APPLICABLE DOCUMENTS

2.1 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-S-781	- Strapping, Steel, and Seals.
PPP-B-601	- Boxes, Wood, Cleated-Plywood.
PPP-B-621	- Boxes, Wood, Nailed and Lock-Corner.
PPP-B-636	- Boxes, Shipping, Fiberboard.

Military

MIL-P-116	- Preservation-Packaging, Methods of.
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STANDARDS

Federal

FED. STD. No. 356	- Commercial Packaging of Supplies and Equipment.
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Military

- |              |   |
|--------------|---|
| MIL-STD-105  | - Sampling Procedures and Tables for Inspection by Attributes.                                |
| MIL-STD-129  | - Marking for Shipment and Storage.   |
| MIL-STD-1186 | - Cushioning, Anchoring, Bracing, Blocking, and Waterproofing; with Appropriate Test Methods. |

(Copies of specifications and standards 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 documents form 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.

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification.

(Application for copies should be addressed to the American Trucking Associations, Inc., ATTN: Tariff Order Section, 1616 P Street, NW, Washington, DC 20036.)

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, ATTN: Tariff Publishing Officer, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

3. REQUIREMENTS

3.1 Material. Material shall be as specified herein and in applicable specifications and standards. Materials not specified shall be selected by the supplier and shall be subject to all provisions of this specification. Materials shall be free of defects.

3.2 Preproduction pack. The supplier shall furnish a preproduction pack for examination within the time frame specified (see 6.2) to prove prior to starting production packaging, that the applied preservation, packing, and marking comply with the requirements of this specification. Examination shall be as specified in Section 4 and shall be subject to surveillance and approval by the Government (see 6.3).

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3.3 Preservation. Preservation shall be Level A or commercial as specified (see 6.2).

3.3.1 Level A.

3.3.1.1 Methods of preservation. Methods of preservation indicated by symbols herein shall correspond to the applicable symbols listed in MIL-P-116.

3.3.1.2 Manifold adapters, hose nipples, brass check valves, diving apparatus valves, globe valves, diving dress clamps, rubber tubing, and diving knife. Each of these items shall be preserved in accordance with Method IC-1.

3.3.1.3 Men's socks, undershirts, drawers, divers gloves, and glove inserts. These items, of like size and description, shall be preserved in the quantities required for each set in accordance with Method IC-1.

3.3.1.4 Divers' belts, diving harnesses, rubber hose assemblies (50 foot), rope, gymnasium shoes, divers' shoes, divers' trousers, masks, and divers' dresses. Each diver's belt, each diving harness, each rubber hose assembly, each piece of rope, each diver's mask, and each diver's dress shall be preserved in accordance with Method III. Each pair of diver's shoes, each pair of gymnasium shoes, and each pair of diver's trousers shall be preserved in accordance with Method III. The containers shall conform to PPP-B-636, W5c. The boxes shall be waterproof sealed with tape as specified for Method V of the appendix to the box specification.

3.3.1.5 Consolidation. The items preserved in accordance with Method IC-1 shall be consolidated together as preserved, in quantities not to exceed the weight limitation of the boxes, in boxes conforming to PPP-B-636, W6c or W5c. Cushioning shall be provided to prevent damage to the Method IC-1 packages and their contents. The boxes shall be closed as specified in 3.3.1.4.

3.3.2 Commercial. The components of the set shall be preserved to afford protection against corrosion, deterioration and damage during shipment from the supplier to the initial destination in accordance with FED. STD. No. 356.

3.4 Packing. Packing shall be Level A, B, or C, as specified (see 6.2).

3.4.1 Level A. The components of the set, preserved as specified in 3.3, shall be packed together in a box conforming to PPP-B-601, Overseas Type, Grade B, or PPP-B-621, Class 2. The contents shall be immobilized within

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the container in accordance with the requirements of MIL-STD-1186. Strapping shall conform to QQ-S-781, Class 1, Type I or IV, size as applicable and unless otherwise specified shall be Finish B (see 6.2). When specified Finish A strapping shall be used.

3.4.2 Level B. The components of the set, preserved as specified in 3.3, shall be packed as specified in 3.4.1, except that the box shall be Domestic Type. Strapping shall be either Finish A or B.

3.4.3 Level C. The components of the set, preserved as specified in 3.3, shall be packed to assure carrier acceptance and safe delivery to destination at the lowest ratings of the carrier in compliance with FED. STD. No. 356.

### 3.5 Marking.

3.5.1 Military. Marking for military levels of protection shall be in accordance with MIL-STD-129.

3.5.2 Commercial. Marking for commercial preservation and packing shall be in accordance with FED. STD. No. 356.

3.6 Workmanship. Workmanship shall be such so as to provide maximum protection to the set components, by application of the requirements specified herein, to prevent corrosion, deterioration and mechanical or physical damage to the components during handling, shipment, and storage.

## 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements specified herein. Except as otherwise specified in the contract or order, the supplier 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.

4.1.1 Material inspection. The supplier is responsible for insuring that supplies and materials used are manufactured, examined, and tested in accordance with referenced specifications and standards.

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4.2 Classification of inspections. Inspections shall be classified as follows:

- (a) Preproduction pack inspection (see 4.3).
- (b) Quality conformance inspection (see 4.4).

4.3 Preproduction pack inspection.

4.3.1 Examination. The preproduction pack shall be examined for the defects listed in 4.4.4. Presence of one or more defects shall be cause for rejection of the preproduction pack.

4.4 Quality conformance inspection.

4.4.1 Inspection stages. Inspection shall be in three stages as follows:

- (a) The first stage shall include inspection of procedures, methods, material, containers, and marking prior to placing the preserved items into consolidated containers.
- (b) The second stage shall include inspection of closure and marking of consolidated containers, and the arrangement, blocking and bracing of containers in the shipping containers.
- (c) The third stage shall include inspection of the closed, strapped, and marked shipping containers prepared for shipment.

4.4.2 Unit of product. For the purpose of inspection, all items prepared for any applicable inspection stage that will comprise a complete pack of any one level, shall be considered a unit of product.

4.4.3 Sampling. Sampling for examination shall be in accordance with MIL-STD-105.

4.4.4 Examination. Samples selected in accordance with 4.4.3 shall be examined for the defects marked "X" for the applicable level in Table I. Acceptable Quality Level (AQL) shall be 2.5 percent defective.

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Table I. Classification of Defects

No.	Defect	Level		
		A	B	C
101.	Materials, methods, and containers not as specified. Each incorrect material, method, and container shall constitute one defect (3.1, 3.3, 3.4).	X	X	X
102.	Items not preserved in the quantities specified (3.3.1.2, 3.3.1.3, 3.3.1.4).	X	-	-
103.	Fiberboard boxes not waterproof sealed with tape as specified (3.3.1.4 and 3.3.1.5).	X	-	-
104.	Consolidation not as specified (3.3.1.5).	X	-	-
105.	Contents not immobilized as specified (3.4.1, 3.4.2).	X	X	-
106.	Strapping not as specified (3.4.1).	X	-	-
107.	Marking illegible, incomplete, or incorrect (3.5).	X	X	X

## 5. PREPARATION FOR DELIVERY

(This section not applicable to this specification.)

## 6. NOTES

6.1 Intended use. This specification is intended to be used for direct reference in contracts or purchase orders for the preservation, packing, and marking of a Diving Equipment Set: Two Persons; 100 Foot Depth (NSN 4220-00-269-7906).

6.2 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Time frame required for submission of the preproduction pack (see 3.2).
- (c) Level of preservation and packing required (see 3.3 and 3.4).
- (d) When other than Finish B strapping is required (see 3.4.1).

6.3 Preproduction pack. Any changes or deviations of production packs from the approved preproduction pack will be subject to the approval of the contracting officer. Approval of the preproduction pack will not relieve the supplier of his obligation to preserve, package, pack, and mark the set components in accordance with this specification.

Custodians:

Army - ME  
Air Force - 84

Preparing activity:

Army - ME

Review activity:

Army - SM

Project No. 4220-0193

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