

MIL-F-6218C(ASG)

20 MARCH 1967

Superseding
MIL-F-62183(ASG)
2 December 1953

MILITARY SPECIFICATION

FISHING KIT, SURVIVAL

This specification has been approved by the Department of the Air Force and by the Naval Air Systems Command.

1. SCOPE

1.1 This specification covers one style of fishing kit.

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

FF-P-416	Pins, Safety
HH-P-91	Packing, Fiber, Hard Sheet
NN-P-515	Plywood, Container Grade
UU-C-190	Cardboard, Bristol (Drafting)
UU-P-271	Paper, Wrapping, Waterproofed Kraft
CCC-C-458	Cloth, Flannel, Cotton
GCG-N-202	Needle, Sailmakers'
PPP-B-601	Boxes, Wood, Cleated-Plywood
PPP-B-621	Boxes, Wood, Nailed and Lock-Corner
PPP-B-636	Box, Fiberboard
PPP-T-60	Tape; Pressure-Sensitive Adhesive, Waterproof, for Packaging

Military

MIL-A-14042	Adhesive, Epoxy
MIL-P-22985	Plastic, Ethyl Cellulose

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STANDARDSFederal

FED. TEST METHOD
STD. NO. 151 Metals, Test Methods

Military

MIL-STD-100	Engineering Drawing Practices
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-130	Identification Marking of US Military Property
MIL-STD-143	Specifications and Standards Order for Precedence for the Selection of

DRAWINGSU. S. Air Force

44A9162 Mount Assembly - Vest Type Emergency Fishing
Kit Hook

(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.)

3. REQUIREMENTS

3.1 Components.- Each fishing kit shall consist of the equipment listed in table I.

3.2 Materials.-

3.2.1 Selection of materials.- Specifications and standards for all materials, parts, and Government certification and approval of processes and equipment, which are not specifically designated herein and which are necessary for the execution of this specification, shall be selected in accordance with MIL-STD-143.

3.3 Design and construction.-

3.3.1 Hooks.- Unless otherwise specified, all hooks shall be of forged steel, hollow ground with filed-out points. The hooks shall be of the ringed type and shall be tinned or plated to resist corrosion. Hooks shall be tempered, tough, flexible, and resilient.

3.3.2 Leaders.- Wire leaders shall be of stainless steel, and shall be attached to snaps and swivels with not less than six turns of wire. Nylon leaders shall be either of clear or mist-colored nylon and shall be provided with a 5/8-inch inside diameter end loop on one end.

3.3.3 Snaps and swivels.- Snaps and swivels shall be either of brass or of bronze.

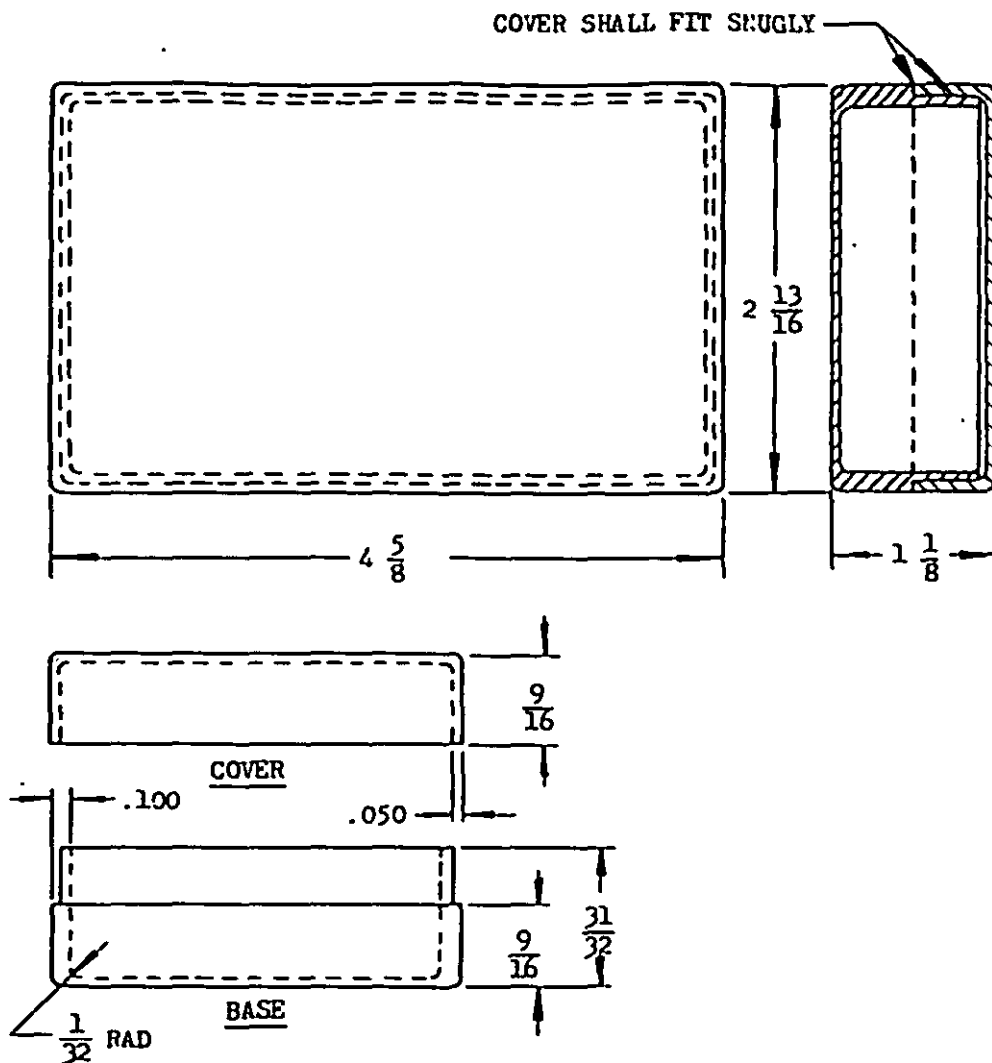
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TABLE I. Equipment

Item No.	Description	Quantity
1.	Booklet, fishing instructions (see 3.8)	1 ea.
2.	Container, fishing kit (see figure 1)	1 ea.
3.	Fly, royal coachman, size 6 hook	1 ea.
4.	Fly, royal coachman, size 8 hook	1 ea.
5.	Fly, black gnat, size 6 hook	1 ea.
6.	Fly, black gnat, size 8 hook	1 ea.
7.	Fly, gray hackle, size 6 hook	1 ea.
8.	Fly, gray hackle, size 8 hook	1 ea.
9.	Fly, brown hackle, size 6 hook	1 ea.
10.	Fly, brown hackle, size 8 hook	2 ea.
11.	Hook, treble, size 1	1 ea.
12.	Hook, size 9/10, straight shank	6 ea.
13.	Hook, size 6	
14.	Leader, wire, 0.011-inch diameter, 27 pound test (with No. 3 snap on one end and No. 7 swivel on other end) 6-inch length	2 ea.
15.	Leader, wire, 0.016-inch diameter, 58 pound test (with No. 4 snap on one end and No. 4 swivel on other end) 12-inch length	2 ea.
16.	Leader, nylon, 0.021-inch diameter, 15 pound test, 4-foot length	4 ea.
17.	Line, nylon 18-pound test, 50-foot length	1 ea.
18.	Line, nylon, 63-pound test, 50-foot length	1 ea.
19.	Mount assembly - vest-type emergency fishing kit hook, drawing 44A9162	1 ea.
20.	Needle, 1-1/2 inch-length	2 ea.
21.	Needle, 2-1/4 inch-length	2 ea.
22.	Needle, glovers', size 2/0	2 ea.
23.	Needle, sailmakers', size 15, Specification GCG-N-202	2 ea.
24.	Pin, safety, size No. 3, Specification FF-P-416	8 ea.
25.	Pad, canton flannel, 2-3/4 inches square, Specification CCC-C-458, color - bright yellow	1 ea.
26.	Pad, canton flannel, 2-3/4 inches square, Specification CCC-C-458, color - bright red	1 ea.
27.	Lure, spinner. Bait coloration: head - silver; body - gray; tail, white	1 ea.
28.	Lure, spinner. Bait coloration: head - red; body and tail, white	1 ea.
29.	Lure, spinner. Bait coloration: head, body and tail - black	2 ea.
30.	Lure, spinner. Bait coloration: Head - red; body - guinea; tail - white	2 ea.
1/ 31.	Lure, spoon, fixed, No. 6 hook, yellow feathers, blade length 1-3/32 inches, width 15/32 inch, weight 1/20 ounce, polished copper finish	1 ea.
1/ 32.	Lure, spoon, fixed, No. 3/0 hook, yellow feathers, blade length 2-5/32 inches, width 27-32 inch, weight 2/5 ounce, polished chrome finish (with stainless steel weedguard)	1 ea.
1/ 33.	Lure, spoon, free-swinging, No. 4 double hook; blade length 2-3/16 inches, width 13/16 inch, weight 1/4 ounce polished chrome finish underneath, 2 red and 1 white stripe on top	1 ea.
34.	Snap-swivel, (No. 3 snap with No. 7 swivel)	2 ea.
35.	Winder (see 3.3.8)	2 ea.
36.	Card, leader knots and hitches (figure 2)	1 ea.
37.	Label, (see 3.5.2)	1 ea.
38.	Blade, razor, (single edge, reinforced back)	1 ea.

1/ The tolerances on these items shall be $\pm 1/32$ inch on all dimensions.

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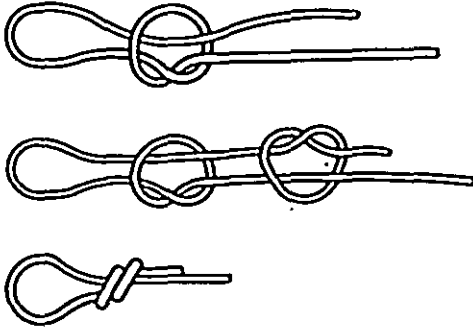
MATERIAL: ETHYL CELLULOSE, CLEAR, TYPE 1, CLASS 3, SPECIFICATION MIL-P-22985.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES:
FRACTIONS $\pm 1/32$, DECIMALS ± 0.005 .

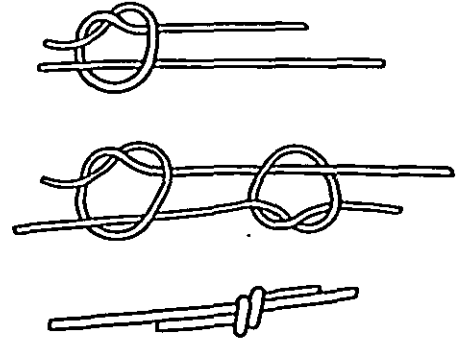
ALL RADII $1/8$ UNLESS OTHERWISE SPECIFIED.

FIGURE 1. Container, fishing kit

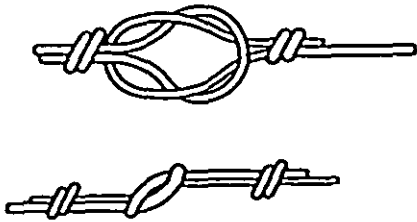
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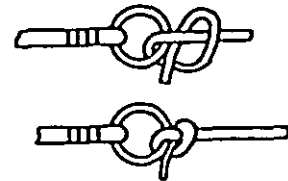
END LOOP



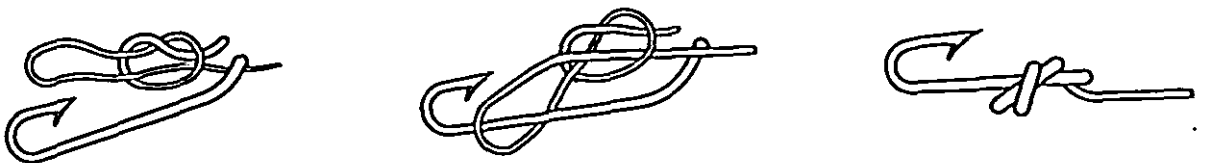
JOINING TWO SEPARATE STRANDS



ATTACHING LOOP TO LINE LOOP



ATTACHING SPINNERS, ETC.



ATTACHING FLIES OR HOOKS

MATERIAL: BRISTOL BOARD, TYPE II, GRADE A, CLASS 1, 2 PLY, SPECIFICATION UU-C-190, COLOR WHITE.

FIGURE 2. Card - leader knots and hitches

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3.3.4 Lines.- Unless otherwise specified, nylon lines shall be hard braided, waterproofed, and heat set to reduce "stretch". Lines may be either camouflage or mist in color.

3.3.5 Flies.- Flies shall be of the "wet" type, and shall not be snelled. Flies shall be securely tied to prevent the flies from coming apart. Tying threads shall terminate in a "whip" knot, or equal, and shall be coated to prevent unravelling. Bronzed hooks with ringed turned-down eyes shall be used in the construction of flies.

3.3.6 Lures .- Lures shall be of the spinner and of the spoon types.

3.3.6.1 Spinners.- Spinners shall consist of a spinner, spinner and feathered body, and tail minnow type bait. The spinner and spinner wire shall be of polished stainless steel. The spinner wire shall be approximately 0.020 inch in diameter and shall be provided with a coiled lock to facilitate changing of the bait. The spinner shall be either of the single vane or blade, or of the propeller type. The bait shall be constructed by using a No. 6 hook having a length of approximately 1-3/8 inches. The lure shall weigh approximately 1/20 ounce and shall have an over-all length of approximately 2-3/4 inches. Nickel or chrome finished brass may be used for the construction of the spinner.

3.3.6.2 Spoons.- Spoons shall be of the single-blade, egg-shaped, dished type with either fixed or free-swing hooks. The spoons shall be stamped from brass and plated or enameled to resist corrosion. Each spoon shall, on the forward end, be provided with a swivel or split ring for attachment to the line. Spoons having free-swinging hooks shall have the hooks attached by means of a split ring through a hole in the rear of the blade. In fixed-hook spoons, the hook shall be attached to the hook by eyelet or screw and shall be shaped to conform to the contour of the spoon. Feathers, if provided, shall be yellow hackle feathers attached to the hook by wrapping with thread, and the wrapping coated with red lacquer.

3.3.7 Needles.- Needles shall be forged from steel of the best quality and properly tempered. Needle surfaces, including the eye section, shall be smooth and nickel plated.

3.3.8 Winder.- Winders shall conform to figure 3, or shall be of an equivalent commercial design.

3.4 Interchangeability.- All parts having the same manufacturer's part number shall be directly and completely interchangeable with each other with respect to installation and performance. Changes in manufacturer's part numbers shall be governed by the drawing number requirements of MIL-STD-100.

3.5 Kit assembly.-

3.5.1 Preparation of items.- The items shall be prepared for packing into the kit as follows. Each cellophane envelope shall be closed by heat sealing.

<u>Item No.</u>	<u>Preparation for assembly</u>
1, 2, 11, 12, 19, 25, 26, 31, 32, 33, 35, 36, and 37	None

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<u>Item No.</u>	<u>Preparation for assembly</u>
3, 4, 5, 6, 7, 8, 9, and 10	Place in cellophane envelope with card stiffener approximately 2-7/8 by 1-1/2 inches, but do not attach to card.
13	Insert in cellophane envelope and attach to back of card of mount assembly, item No. 19, with cellophane tape.
14, 15, 16, and 34	Place in cellophane envelope.
17 and 18	Wind in winders, item No. 35.
20, 21, 22, and 23	Insert in pad, item No. 25.
24	Insert in pad, item No. 26.
27, 28, 29, and 30	Place in cellophane envelope.
38	Wrap in paper envelope.

3.5.2 Packing of items.- The components of the kit, after being prepared as specified, shall be packed in the container in such manner that there is a minimum possibility of any item being bent or crushed. The marking label shall be placed on the bottom of the container with the wording facing out. The instruction booklet shall be packed, front cover up, under the lid. The container shall be sealed after the components have been packaged therein with an 18-inch length of 3/4-inch-wide adhesive tape conforming to PPP-T-60. The tape shall be applied around the perimeter of the container with an equal amount on each side of the juncture of the two sections of the container.

3.6 Performance.-

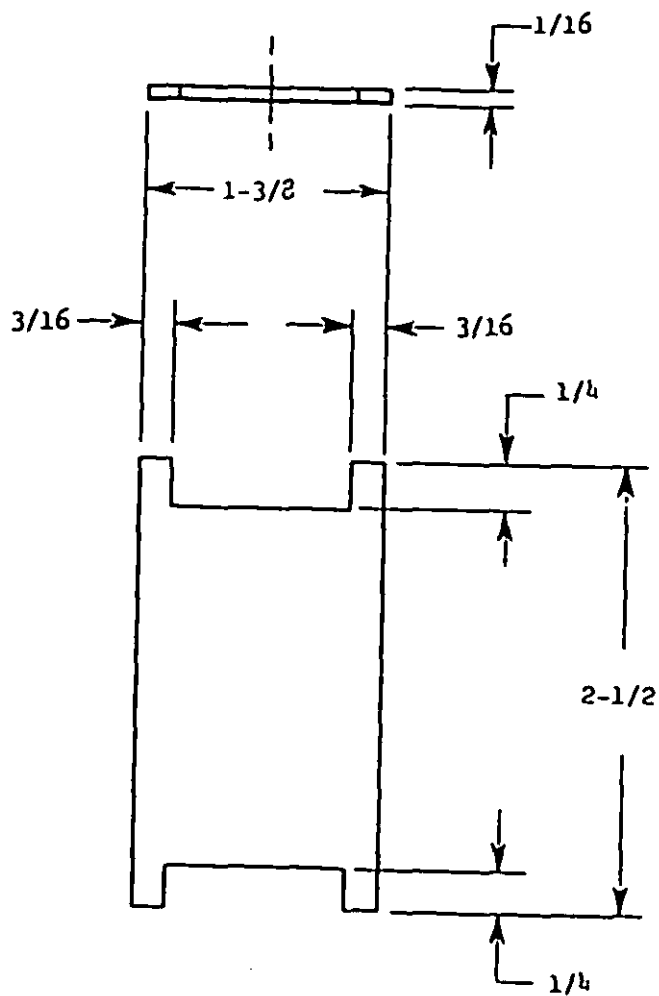
3.6.1 Colors.- All colors shall show good fastness to wetting and light. Enameled or lacquered surfaces shall not soften on exposure to temperatures of 71° C.

3.6.2 Corrosion resistance.- All plated-, enameled-, or treated-metal surfaces and stainless steels shall not show evidence of corrosion of the base metal upon exposure to a 96-hour salt spray test in accordance with Federal Test Method Standard No. 151.

3.7 Identification of product.- A label shall be placed in the kit as specified in 3.5.2. The label shall be printed on white paper and shall be marked with the following specific information, as defined in MIL-STD-130:

FISHING KIT, SURVIVAL
MIL-F-6218C
Manufacturer's identification
Contract or Order No.
US

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MATERIAL: PACKING; FIBER HARD SHEET, SPECIFICATION IIIH-P-91.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS $\pm 1/32$.

FIGURE 3. Winder

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3.8 Instruction booklet.-- The fishing instructions shall be prepared in pamphlet form, approximately 2-5/8 by 2-5/8 inches, on parchment paper, in waterproof ink, with printing on one side of the paper only. The booklet shall contain a complete description of how and under what conditions each component should be used and general suggestions for fishing. It shall be prepared in easy-to-read form in such manner that a completely inexperienced person will know what equipment to use and how to use it. Both the physical form and the contents of the booklet shall be specifically approved by the procuring activity prior to acceptance (see 6.2).

3.9 Workmanship.-- The kit shall be constructed and assembled in a thoroughly workmanlike manner. The finished kit shall be clean and free from any defect that might affect appearance or functionability.

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 as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any other commercial laboratory acceptable to 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 General.-- All the tests required herein for the testing of fishing kits are classified as quality conformance tests, for which necessary sampling techniques and method of testing are specified in this section.

4.3 Examination of product.-- Each kit shall be inspected to determine compliance with this specification, and shall be examined to determine conformance with respect to materials, workmanship, dimensions, and marking, unless otherwise specified by the procuring activity.

5. PREPARATION FOR DELIVERY

5.1 Packaging.--

5.1.1 Interim packaging.-- Unless otherwise specified, 100 fishing kits shall be packed in a "V" board container conforming to PPP-B-636. The container shall be completely sealed with tape conforming to PPP-T-60.

5.1.2 Exterior packaging.-- Unless otherwise specified, the interior packages shall be packed in boxes conforming to PPP-B-601 or PPP-B-621. Plywood, if used, shall be type II, class 2, conforming to NN-P-515. Each container shall be lined with a waterproof barrier in accordance with UU-P-271 and sealed with an adhesive conforming to MIL-A-14042.

5.2 Packing.-- Shipping containers, insofar as possible, shall contain an identical number of interior packages, shall be uniform in size, and shall be designed to enclose the contents in a snug, tight-fitting manner. The gross weight of the exterior container when packed for shipment shall not exceed approximately 200 pounds.

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5.3 Marking of shipments.- Interior packages and exterior shipping containers shall be marked in accordance with MIL-STD-129. The nomenclature shall be as follows: Fishing Kit, Survival, MIL-F-6218C, Federal Stock No. 1/, (if no FSN available, leave space therefor), Manufacturer's Part No. 1/.

1/ Applicable data to be entered by the contractor.

6. NOTES

6.1 Intended use.- The fishing kit covered by this specification is intended for use as a component of emergency survival kits.

6.2 Ordering data.- Procurement documents should specify:

- (a) Title, number, and date of this specification.
- (b) Levels of packaging and packing (see section 5).

6.3 Fishing instructions.- A copy of approved contents for the instruction booklet will be furnished bidders on request.

Custodians:

Navy - AS
Air Force - 84

Preparing activity:

Air Force - 84

Reviewer activities:

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