

INCH-POUND
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A-A-55112A

June 19, 1995

SUPERSEDING

A-A-55112

December 23, 1992

**COMMERCIAL ITEM DESCRIPTION****BAG, FLYER'S HELMET**

The General Services Administration has authorized the use of this commercial item description.

1. **SCOPE.** This commercial item description covers one type of flyer's helmet carrying bag. The bag is intended for use by aviation personnel of the Department of Defense and is designed to hold the flyer's helmet and auxiliary equipment.

**2. SALIENT CHARACTERISTICS**

2.1 Description. The Flyers Helmet bag shall have a finished measurement of 20 x 19-1/4 inches and consist of an outer panel with a liner. The bag shall have two (10-1/4 x 6-3/4 inches) inner pockets, one at each end of the liner, and two (14 x 9-1/2 inches) outer pockets on the front of the bag. The bag shall have matching grip handles on the front and back, with a slide fastener for closing the bag, and nylon tape fastener and snap fasteners for closing the outer pockets (see Figure 1).

2.2 Cloth, nylon. The plain weave, nylon cloth for the outer and inner panel, outer pockets, protector flap, grip handle reinforcements, and grip handle panels shall be a durable water-repellent-treated cloth. The weight shall be 3.8 to 4.8 oz. sq./yd.; breaking strength shall be warp (275 lbs. min.) and filling (225 lbs. min.); air permeability shall be 2.0 ft./min./ft. The color shall be shade Camouflage Green CG-483, and show good to better fastness to laundering, weathering and crocking.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FQSC, 2800 South 20th Street, Philadelphia, PA 19145-5099.
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AMSC N/A

FSC 8415

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Approved for public release;  
distribution is unlimited.

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2.3 Figures. Figures 1 and 2 are furnished for information purposes only. When inconsistencies exist between the written commercial item description and the figure, the written commercial item description shall govern.

2.4 Stitches & stitching. Stitching for the attachment of grip handles requires a 3-point double "W" pattern stitched 1 to 1-1/8 inch long and 3/4 to 7/8 inch wide. To stitch the webbing to the bag use a 1 to 1-1/8 by 3/4 to 7/8 inch "box-X" pattern stitched through the front side of the bag. Bartacks when applicable shall be 3/4 (minimum) inch wide by 1/8 (minimum) inch long and shall contain a minimum 42 inches. All other stitching can be either lockstitch or chainstitch as designated.

2.5 Batting, polyester. The material for the bag liner and grip handle pads shall be quilted polyester batting (4.0 oz./sq. yd.) and ripstop nylon cloth (1.1 oz./sq. yd.). The ripstop nylon cloth shall be a plain weave having a minimum of 120 ends and 120 picks per inch. The construction shall be as specified in Figure 2. The color shall be Camouflage Green 483. The cloth outer covering is required on one side of the batting only and the straight line quilting stitching shall be 6 inches apart. The requirements for colorfastness shall not apply to nylon outer gloss.

2.6 Fastener, nylon tape. The nylon tape fastener for closure of pockets shall be 5/8 inch in width, shade Camouflage Green CG-483, nylon 8.0 mil hook (330 denier).

2.7 Fastener, slide, interlocking. The slide fastener shall be a non-separating, non-reversible, non-locking, size Medium Heavy Special (MHS), individual element brass or continuous element monofilament coil or ladder configuration chain. The length of the chain shall be 2-1/2 to 3-1/2 inches long as required for the bag opening. The color of the tape shall be Camouflage Green 483, and shall be water repellent treated and mildew-resistant treated. The tape shall show "good" fastness to laundering and weathering. The closed bottom stop shall be a staple type, and slider identification marked.

2.8 Fastener snap. The snap fasteners for closing the outer pockets shall be of the small wire spring clamp type. They shall be bronze with a black chemical finish. The eyelet shall be size 2 and the button shall be size 1.

2.9 Thread, polyester. The thread for all stitching shall be polyester twisted soft multiple cord, normal elongation with a nonwicking finish. The thread shall be dyed Camouflage Green CG-483 and shall show fastness to weathering and laundering.

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2.10 Webbing, nylon, 1-inch. The nylon webbing for attaching the snap hook shall be 1-inch wide, color Camouflage Green CG-483, double fabric consisting of two warps bound together by a single filling and a binder-warp.

2.11 Snap hook, 1-inch. The snap hook shall be a 1-inch, steel carbon wire body; fixed loop eye; flat spring closure with retainer; with a zinc coating, followed by an enamel finish.

2.12 Labels. A commercial-type label is acceptable, provided that an additional printed cloth label containing the contractor's name, contract number, size and National Stock Number (NSN) is caught on the stitching of the commercial label. The commercial label shall include fiber and laundering information.

2.13 Label/tag. Each item shall be individually bar-coded with a paper tag for personal clothing items. The paper tag shall be standard bleached sulfate having a basis weight of 100 pounds. The paper used for the tags shall have a smooth finish to accept thermal transfer and direct printing. The tags shall have a hole and shall be attached to each item by a fastener, clearly legible and readable by a scanner. The bar coding element shall be a 13 digit national stock number (NSN). The bar code type shall be a medium to high code density and shall be located so that it is completely visible on the item when it is folded and/or packaged as specified and so that it causes no damage to the item.

2.14 Patterns. The Government shall furnish a single size pattern. The contractor is responsible for grading patterns for additional sizes. Commercial patterns may be used in lieu of the Government-furnished pattern provided they conform to the cited design and finished measurements.

3. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4. **QUALITY ASSURANCE PROVISIONS**

4.1 Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description; conforms to the producer's own drawings, specifications, standards, and quality assurance practices; and is the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

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4.2 Market acceptability criteria. The item offered, or a generic equivalent, must have been sold to the commercial market or to the Government for at least two years.

Warranty. The item offered shall include the standard warranty given to the commercial market beginning with the date of delivery of the individual items.

4.3 Visual examination. The bag shall be examined for the defects listed below.

Defects. Any hole, cut or tear; color not as specified; any spot or stain (outside); thread ends not removed; label missing, incorrect, or illegible; measurement of item not as specified; exposed drill holes on nylon cloth; nylon webbing not firmly and tightly woven, or edges frayed or scalloped; general hardware (snap fasteners, slide fasteners and snap hooks) not functioning properly, (i.e., fails to provide a secure closure or to open freely, or not of a specified type or size.); webbing ends not fused; open seams more than 1/2 inch; wrong seam or stitch type; three or more stitches per inch less than minimum specified; any seam excessively pleated or puckered; any stitching row omitted, except on double "W" stitch pattern; two or more rows omitted on double "W" stitch pattern; bartack stitching loose, incomplete or broken or bartack omitted; one or more box stitches missing, loose or not size specified; bag liner not stitched to bag at bottom; any component part omitted or not attach as specified; any component caught in any unrelated operation of stitching; ID tag omitted, incorrect, illegible or not as specified; bar code omitted or not readable by scanner; human-readable interpretation (HRI) omitted or illegible; bar code not visible on folded, packaged item; bar code causes damage to the item; any items not packaged in accordance with the contract or order.

## 5. PACKAGING

5.1 Preservation, packing, and marking. The preservation, packing, and marking shall be as specified in the contract or order.

## 6. NOTES

6.1 Source of Government documents. Copies of military and Federal documents are available from:

Standardization Documents Order Desk  
Bldg. 4D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

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6.2 Source of non-Government documents

ASTM Test Methods

(Applications for copies should be addressed to American Society For Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.)

AATCC Test Method

(Applications for copies should be addressed to American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Triangle Park, NC 27709-2215.)

6.3 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order.

Custodian:

Army - GL

Air Force - 99

Review Activity:

Army - MD

Air Force - 32, 45, 82

Civil Agency Coordinating Activity:

GSA - FSS

Preparing Activity:

DLA - CT

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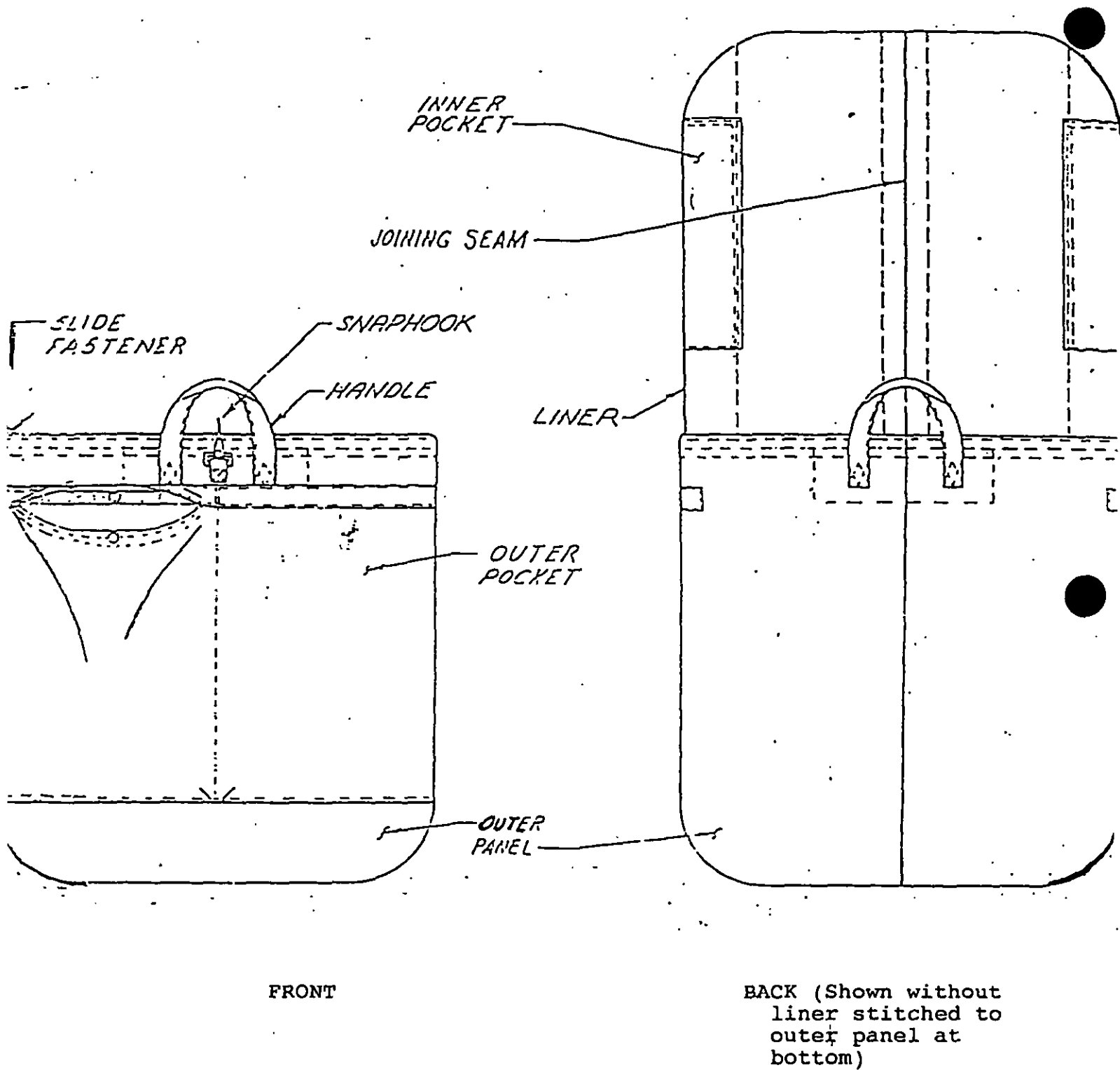
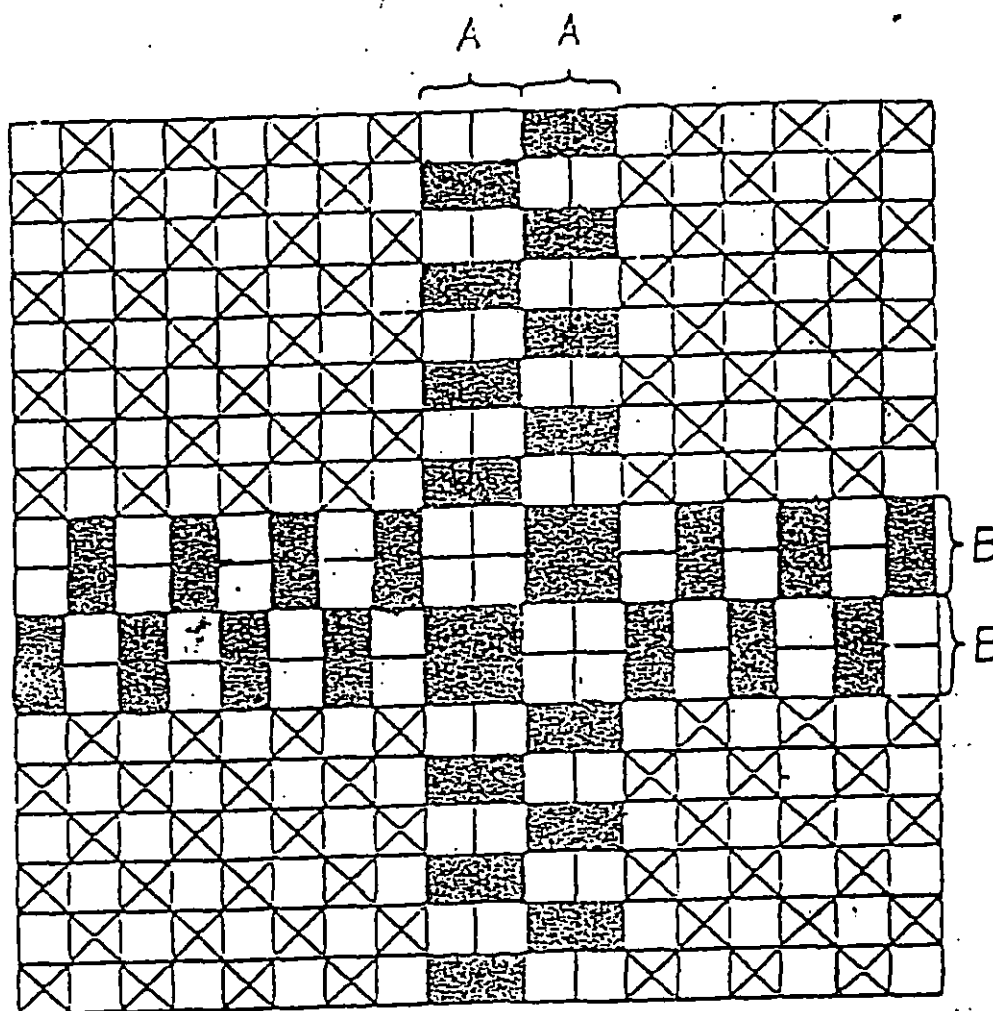


FIGURE 1. BAG, FLYER'S HELMET

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A = TWO WARP ENDS WOVEN AS ONE

B = TWO FILLING PICKS PER SHED

FIGURE 2. RIPSTOP WEAVE PATTERN