

INCH-POUND
A-A-59522

09 December 1999

SUPERSEDING

MIL-C-1690D

10 December 1970

COMMERCIAL ITEM DESCRIPTION

CASE, SHOTGUN AMMUNITION, COTTON DUCK

The General Services Administration has authorized the use of this commercial item description as a replacement for MIL-C-1690 for all Federal agencies.

1. **SCOPE.** This commercial item description covers one type and size ammunition case with a capacity for twelve shotgun shells. The case shall have belt loop attachments and a snap flap. It is intended for riot shotguns.
2. **SALIENT CHARACTERISTICS.** The ammunition case shall have a cotton duck body with twelve internal compartments for shotgun shells, an overlapping flap closure secured with two snap fasteners, and two belt loops. With the flap in the open position, the finished dimensions shall be $6\text{-}1/2 \pm 1/4$ inches by $6\text{-}3/4 \pm 1/4$ inches. (See Figure 1). All exposed edges of the duck body shall be bound with cotton tape. The internal shell retainer assembly shall consist of a continuous series of twelve cotton tape loops, affixed to the internal side walls of the case, forming the twelve shell retainer assembly. The case shall be provided with two cotton webbing belt loops, each three inches long, affixed to the case back. The case shall be assembled with 301-type lockstitch, six to eight stitches per inch throughout, and shall utilize bartacks at critical stress points. Bartacking shall be $1 \pm 1/16$ inch long, $1/16$ inch wide maximum, and shall contain not less than 42 stitches. The male portions of the two snap fasteners shall be affixed to the case face so that the adjoining flap shall close and interface with the corresponding female portions. An eyelet shall be centered in the case bottom. All textile components shall be Camouflage Green 483, Color Chip 34094 of Fed Std 595. The manufacture of this case requires the use of a gauge for shell fit (See Figure 2).

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn.: DPSC-COET/6D542, 700 Robbins Avenue, Philadelphia, PA 19111-5092.
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AMSC N/A

FSC 8465

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

2.1 Materials

2.1.1 Cloth, duck, cotton. The basic material shall be cotton duck, plain weave, one/up one down, vat-dyed Camouflage Green 483. The yarn shall consist of 100 percent cotton fiber, carded, drawn, spun into singles or twisted into plied yarns. Plied yarns shall be used for both warp and filling. The cloth shall finish at a minimum of 17.6 ounces and a maximum of 19.4 ounces per square yard when tested in accordance with ASTM D 3776, Opt. C. Total sizing, finishing, or non-fibrous content of finished cloth shall not exceed 5.0 percent. The minimum breaking strength shall be 285 pounds in the warp direction and 190 pounds in the filling direction when tested in accordance with ASTM D 5034 (Specimen G-E). Finished cloth shall be aftertreated for water-repellancy, mildew-resistance, and shall show "good" colorfastness after three launderings when tested in accordance with AATCC-61, test 3A (dry after each cycle; only the stain on the cotton fiber of the transfer cloth to be evaluated).

2.1.2 Webbing, cotton. The webbing for the belt loops shall be 1 inch wide, medium heavy weight, made from combed or carded cotton. The webbing shall be a double fabric consisting of two warps bound together by a single filling and a binder warp. The material shall be stock or dyed Camouflage Green 483, water-repellent and mildew-resistant, and shall show "fair" fastness to accelerated weathering when tested in accordance with AATCC-111A. The use of dyes and compounds containing elementary sulfur capable of oxidation to sulfuric acid is prohibited. Non-fibrous content shall not exceed 5.0 percent by weight. Webbing may be of shuttle or shuttleless construction. The minimum weight per linear yard shall be 0.96 ounce when tested in accordance with ASTM D 3776, Opt. C with a minimum breaking strength of 475 pounds when tested in accordance with ASTM D 5035 (Specimen Type 1R)

2.1.3 Tape, cotton. The binding tape shall be 1-3/4 inches wide, lightweight, made from combed or carded cotton. The weave shall consist of two ground warps (face and back), a binder warp, and filling. The material shall be stock or yarn dyed Camouflage Green 483, water-repellent and mildew-resistant, and shall show "fair" fastness to laundering after three cycles when tested in accordance with AATCC-61, test 3A (dry after each cycle; only the stain on the cotton fiber of the transfer cloth to be evaluated). The use of dyes and compounds containing elementary sulfur capable of oxidation to sulfuric acid is prohibited. Non-fibrous content shall not exceed 5.0 percent by weight. The tape shall be of shuttle or shuttleless construction. The minimum weight per linear yard shall be 0.62 ounce when tested in accordance with ASTM D 3776, Opt. C with a minimum breaking strength of 230 pounds when tested in accordance with ASTM D 5035 (Specimen Type 1R).

2.1.4 Thread, polyester. The thread shall consist of twisted, soft, 3-ply (normal elongation), continuous multifilament polyester with a non-wicking finish. Binding and bartacking shall utilize Tex number 70 with a minimum breaking strength of 8 pounds when tested in accordance with ASTM D 2556 (speed 12±.5 in/min; 10 inch gauge length). All other stitching shall utilize Tex number 150 with a minimum breaking strength of 16 pounds when tested in accordance with ASTM D 2556 (speed 12±.5 in/min; 10 inch gauge length). All threads shall match Camouflage Green 483 and shall show good colorfastness to chlorine bleaching. Thread lubricants, prior to or during sewing, are prohibited.

2.1.5 Fasteners, snap. The snap fasteners shall be the large curtain-type, spring-loaded, brass, with black finish. The fasteners shall have a female half and a male half. The female half shall consist of two separate components, and the male half shall consist of one component (or two if a

washer is necessary). The female component shall consist of a spring action socket and a clinch plate, and the male component shall have a stud and base in accordance with the manufacturer's specifications. Black finish may be baked on enamel or chemically applied. Fully assembled, in situ, the snap fasteners shall measure 0.885 ± 0.008 inch in diameter at the widest point.

2.1.6 Eyelets, metallic, with washers. The eyelets shall be rolled flange-type, brass or aluminum, with a baked enamel finish. The diameter of the flange at its widest point shall be 0.403 ± 0.007 inch; the height shall be 0.210 ± 0.008 inch. The width of the barrel, including side walls, shall be 0.0200 ± 0.004 inch with a material thickness of 0.013 ± 0.0015 inch. The washers shall be designed to properly interface with the eyelets. Eyelets and washers shall not crack on being clinched.

2.2 Marking

2.2.1 "US" epithet. A "US" epithet shall appear on the outside flap, centered between the flap fasteners, when in a closed position. The "US" epithet shall contain solid face letters, 3/4 inch high. The method of application may be direct printing, stamping, or stenciling. The marking medium shall be black and colorfast. The initial print shall be well defined, clearly legible, and shall not show smearing, bleeding, or off-setting.

2.2.2 Identification. Three lines of identification information shall appear on the inside flap, centered above and between the flap fasteners. The identification marking shall contain the item nomenclature, national stock number, and contract number.

The letters shall be 1/4 inch high. The method of application and medium requirements shall be the same as for the "US" epithet.

2.3 Label/tag. Each item shall be individually bar-coded with a paper tag. 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.

2.4 End item performance testing. The case shall function in accordance with the intended use. Shell loops shall adequately hold shotgun shells snugly, without slippage. Removal/insertion of the shells shall not require more effort than necessary to overcome friction between the shell and retainer loop, and the snap fasteners shall be operative under normal finger pressure.

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 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

4.2 Visual examination. Each ammunition case shall be examined for the defects listed below.

4.2.1 Defects. Any hole, cut, or tear; color not as specified; any part shaded; any spot or stain (outside); raw edges, open seams, thread ends not removed, or loose tension resulting in loose seams; thread breaks in bartack; loose bartack; bartack less than 42 stitches; any material defects, distorted parts or poor workmanship; fastener/eyelet improperly set or clinched; any component part omitted; label missing, incorrect, or illegible; measurement of item 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 purchase order.

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

FED-STD-595

Copies of military and Federal documents are available from: Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

6.2 Source of non-Government documents

6.2.1 ASTM Test Methods

ASTM D 2556 - Tensile Properties of Yarns by the Single – Strand Method

ASTM D 3776 – Mass Per Unit Area (Weight) of Fabric Option C

ASTM D 5034 – Breaking Strength and Elongation of Textile Fabrics
(Grab Test)

ASTM D 5035 - Breaking Force and Elongation of Textile Fabrics (Strip Method)

(Applications for copies should be addressed to American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

6.2.2 AATCC Test Methods

AATCC-61 - Colorfastness to Laundering, Home and Commercial

AATCC-111A - Weather Resistance of Textiles

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

7.1 Sources of Supply. Manufacturers whose product are known to meet the requirements of this CID are listed below. Competition is not limited to these companies.

Safety Systems Corp
25626 St. Charles Rd
Carol Stream, IL 60188

Ambassador
2400 Jasper Street
Philadelphia, PA 19125-1210

MILITARY INTERESTS:

Custodians

Army - GL
Air Force - 99

**CIVIL AGENCY COORDINATING
ACTIVITY:**

GSA - FSS

Review Activities

Army - AR
Air Force - 82, 45

PREPARING ACTIVITY:

DLA - CT

Project 8465-0282

A-A-59522

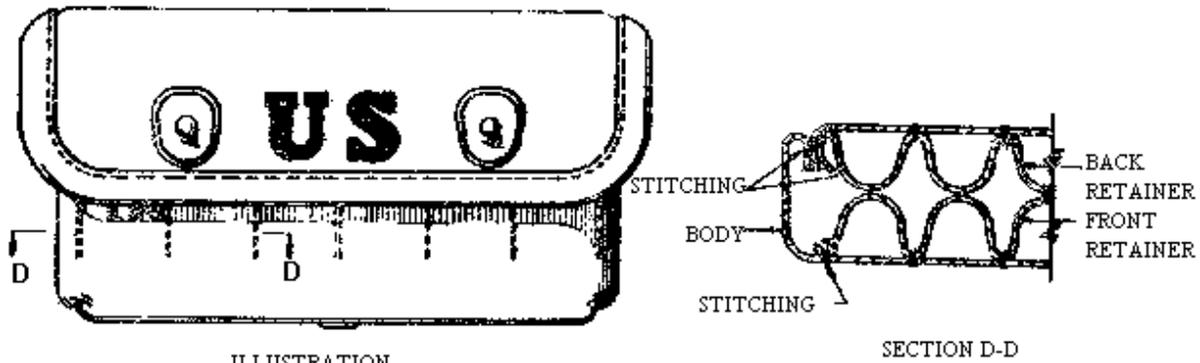


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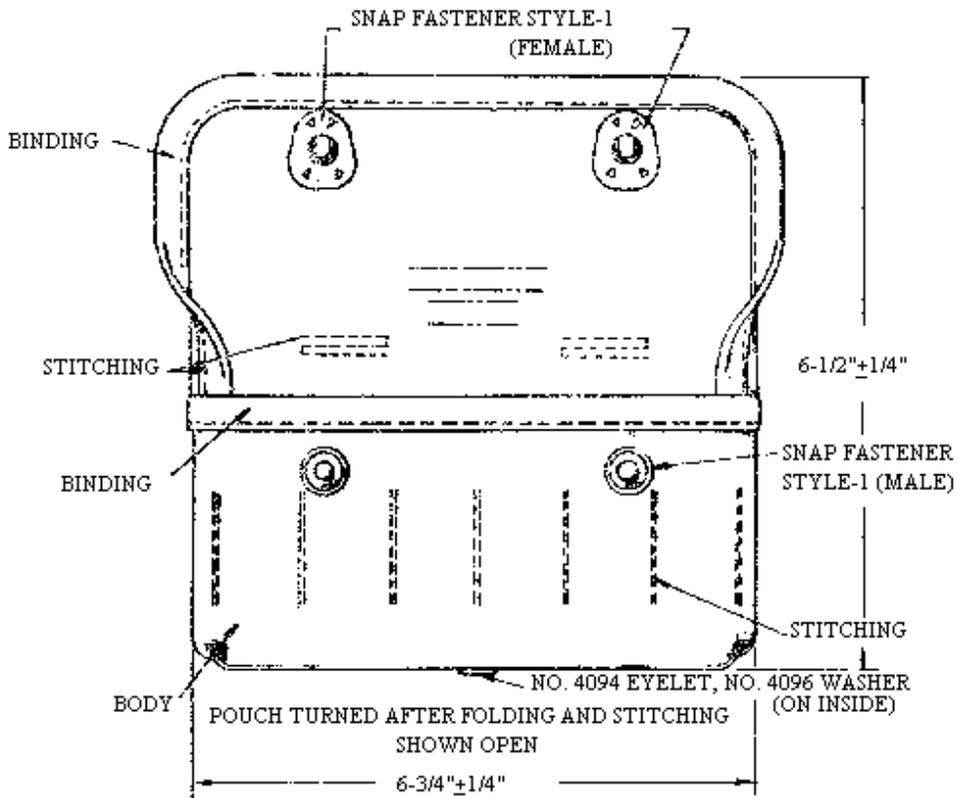


FIGURE 1. CASE, SHOTGUN AMMUNITION, COTTON DUCK

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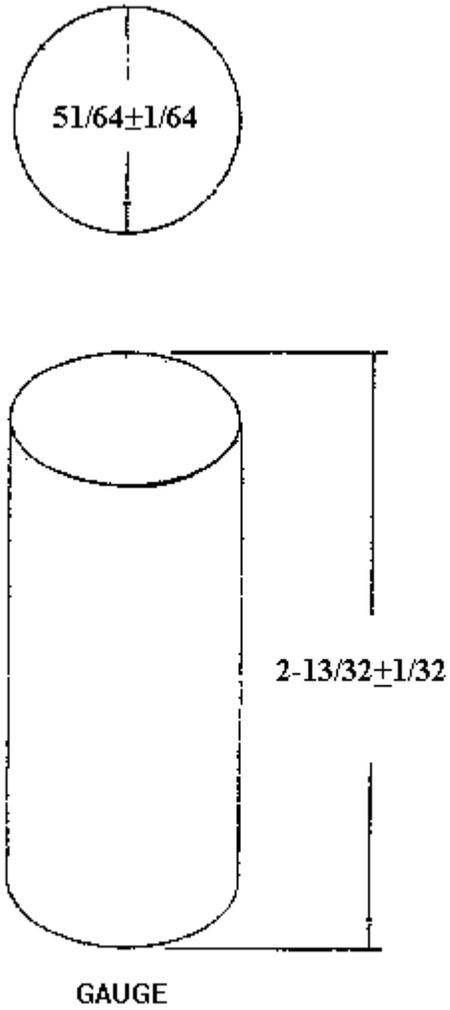


FIGURE 2. CASE, SHOTGUN AMMUNITION, COTTON DUCK