

MIL-R-8592/4
25 June 1965

MILITARY SPECIFICATION

COVER, CABLE WEIGHT,
RESCUE EQUIPMENT HELICOPTER

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

1. SCOPE

1.1 This specification covers the detailed requirements for
the cable weight cover. The general requirements are covered in MIL-R-8592.

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 Spec-
ification to the extent specified herein.

SPECIFICATIONS

Federal

PPP-B-566	Boxes, Folding, Paperboard
PPP-B-636	Box, Fiberboard
PPP-B-640	Boxes, Fiberboard, Corrugated, Triple
PPP-B-676	Boxes, Set-up, paperboard

Military

MIL-P-116	Preservation, Methods of
MIL-R-5001	Rubber, Latex Foam Sponge
MIL-C-5040	Cord, Nylon
MIL-T-5661	Tape and Webbing, Textile, Cotton Reinforcing, Woven
MIL-R-8592	Rescue Equipment, Helicopter
MIL-L-10547	Liners, Case, and Sheet, Overwrap, Water-Vaporproof or Waterproof, Flexible

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Military (cent'd)

MIL-C-10799	Cloth, Coated, Cotton, Vinyl Coated, Fire and Mildew Resistant
MIL-B-22205	Bags, Transparent, Flexible, Heat Sealable for Packaging Applications
MIL-B-43165	Bags, Polyethylene

STANDARDS

Federal

FED-STD-595	Colors
FED-STD-751	Stitches, Seams and Stitchings

Military

MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129	Marking for Shipment and Storage
MS20230	Crommets, Metallic, Plain and Spur, with Washers, Type I and Type III
MS27980	Fasteners, Snap, Style 2

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

3* REQUIREMENTS

3.1 Materials - Materials shall be as specified in this specification.

3.1.1 Protective treatment - When materials are used in the construction of the cover that are subject to deterioration when exposed to environmental conditions likely to occur during service usage, they shall be treated against such deterioration in such a manner that will in no way prevent compliance with the performance requirements of this specification. Protective coating which might crack, chip or scale during normal service life or under extremes of environmental conditions shall not be used.

3.1.2 Fungus proof materials - Materials which are nutrients for fungi shall not be used where it is practicable to avoid them. Where used they shall be treated with a fungicidal agent acceptable to the procuring activity.

3.2 D e s i g n - - The cover shall be designed to provide a removable, cushioned cover suitable for use over the lead weight used on helicopter rescue cables. The cushioning shall be suitable in design to minimize damage resulting from accidental contact with the top or the side of the cylindrical weight.

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3.3 Construction - The cover shall be constructed to conform to Figure 1 , sheets 1 through 4.

3.4 Dimensions - The dimensions of the cover shall conform to Figure 1.

3.5 Color -

3.5.1 Cloth - The color of the cloth components of the cover shall be an approximate match to Color No. 33538 of FED-STD-595.

3.5.2 Thread - The color of the thread shall be olive drab or an approximate match for the cloth components.

3.6 Marking - The following information shall be marked on the cover in a durable and legible manner.

COVER, CABLE WEIGHT, RESCUE
EQUIPMENT HELICOPTER
Contract No.
Manufacturer's name or trade mark

3*7 Workmanship - The cover shall be constructed and assembled to produce an item free from all defects which would affect proper functioning in service. Particular attention shall be given to neatness, finish, and freedom of parts from stains, broken or missed stitches and tears. The cover assembly shall conform to the quality and grade of product established by this specification. The occurrence of defects shall not exceed the acceptance criteria established herein.

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 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 Classification of inspection - The inspection of the cover shall be classified as quality conformance inspection consisting of inspection performed on individual products or lots to determine conformance of the products or lots to the requirements of this specification.

4.3 Quality conformance inspection - The quality conformance inspection shall consist of visual examination.

4.3.1 Sampling -

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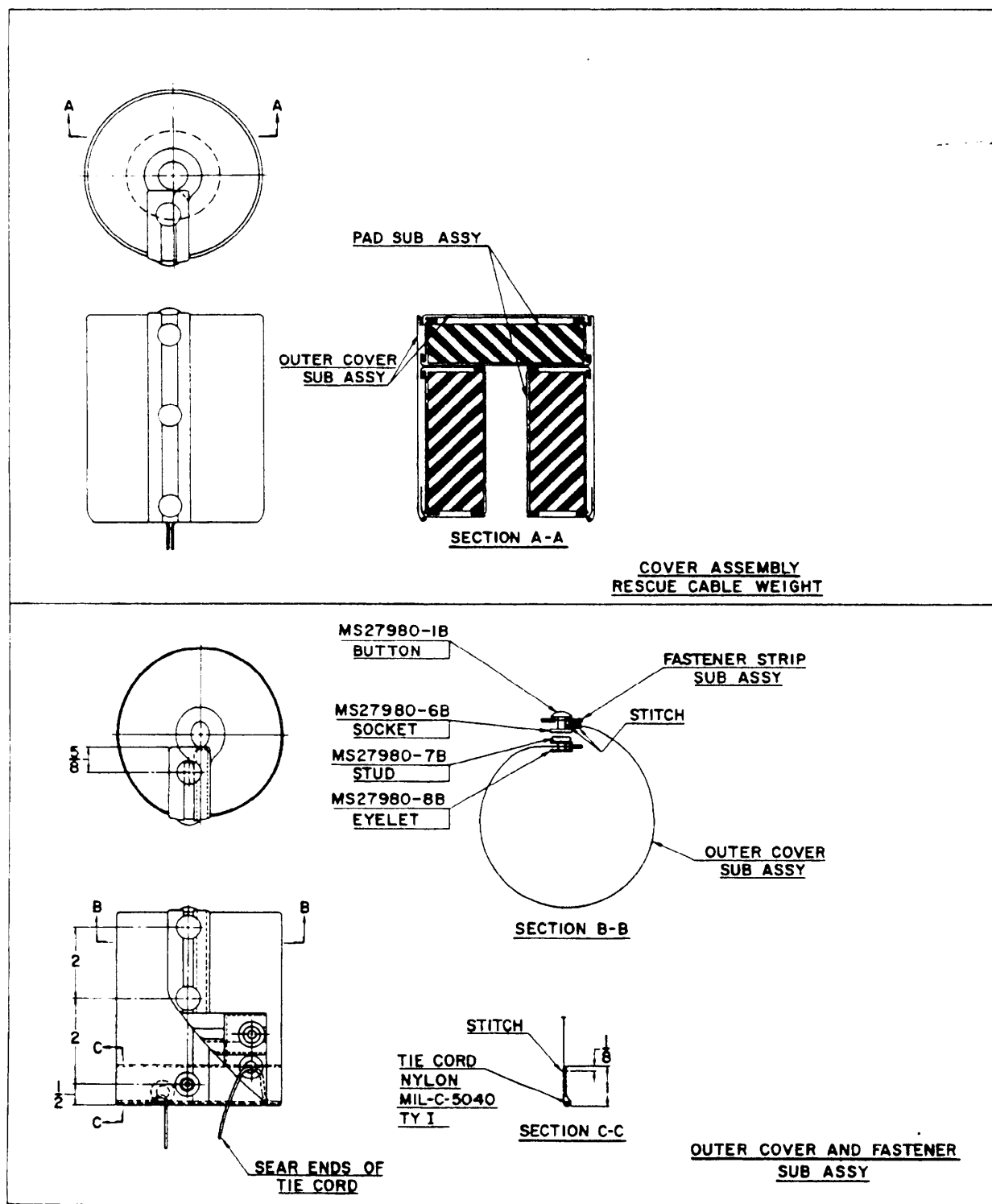


Figure 1. Cable Weight -Cover Construction Details (Sheet 1)

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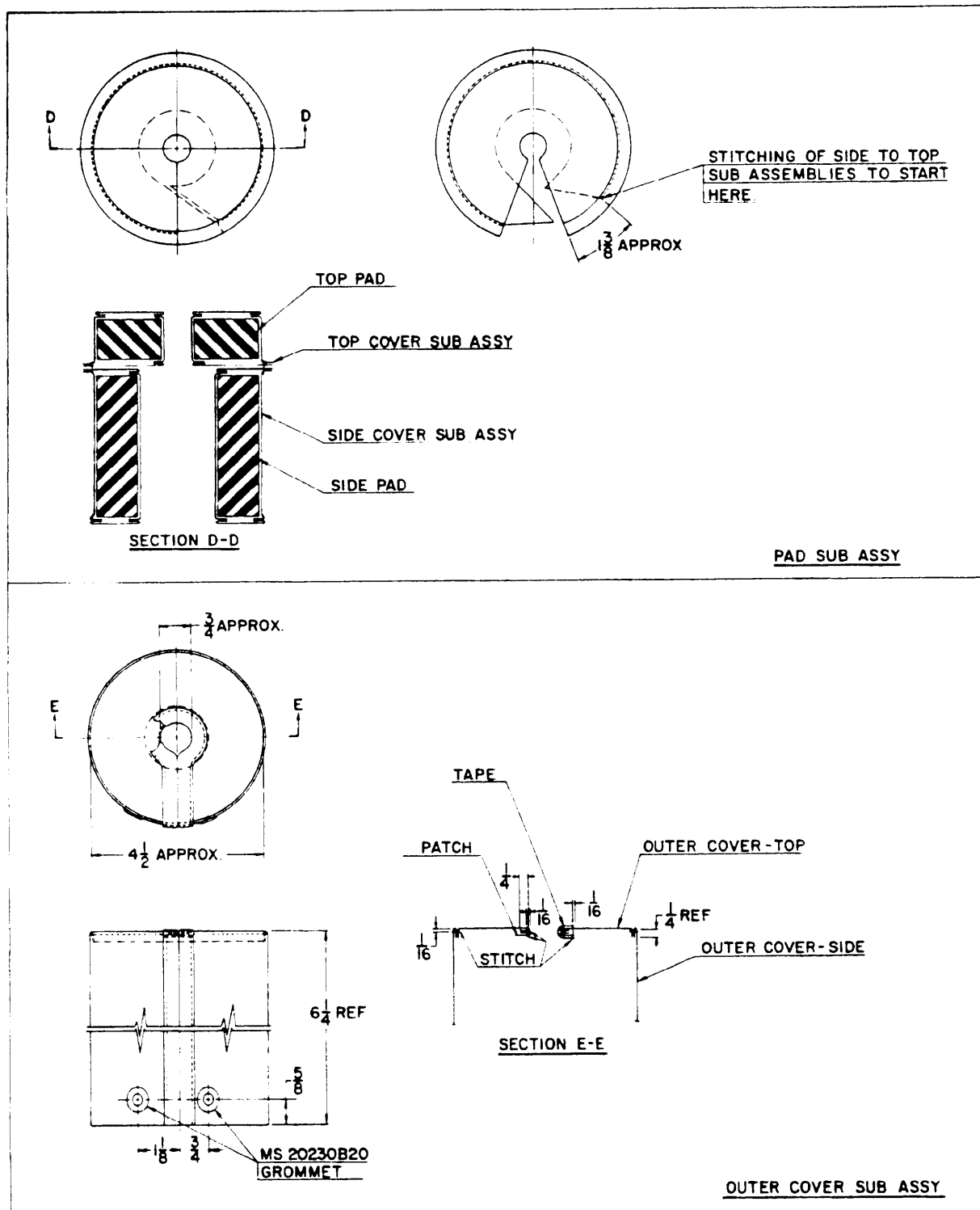


Figure 1. Cable Weight Cover Construction Details (Sheet 2)

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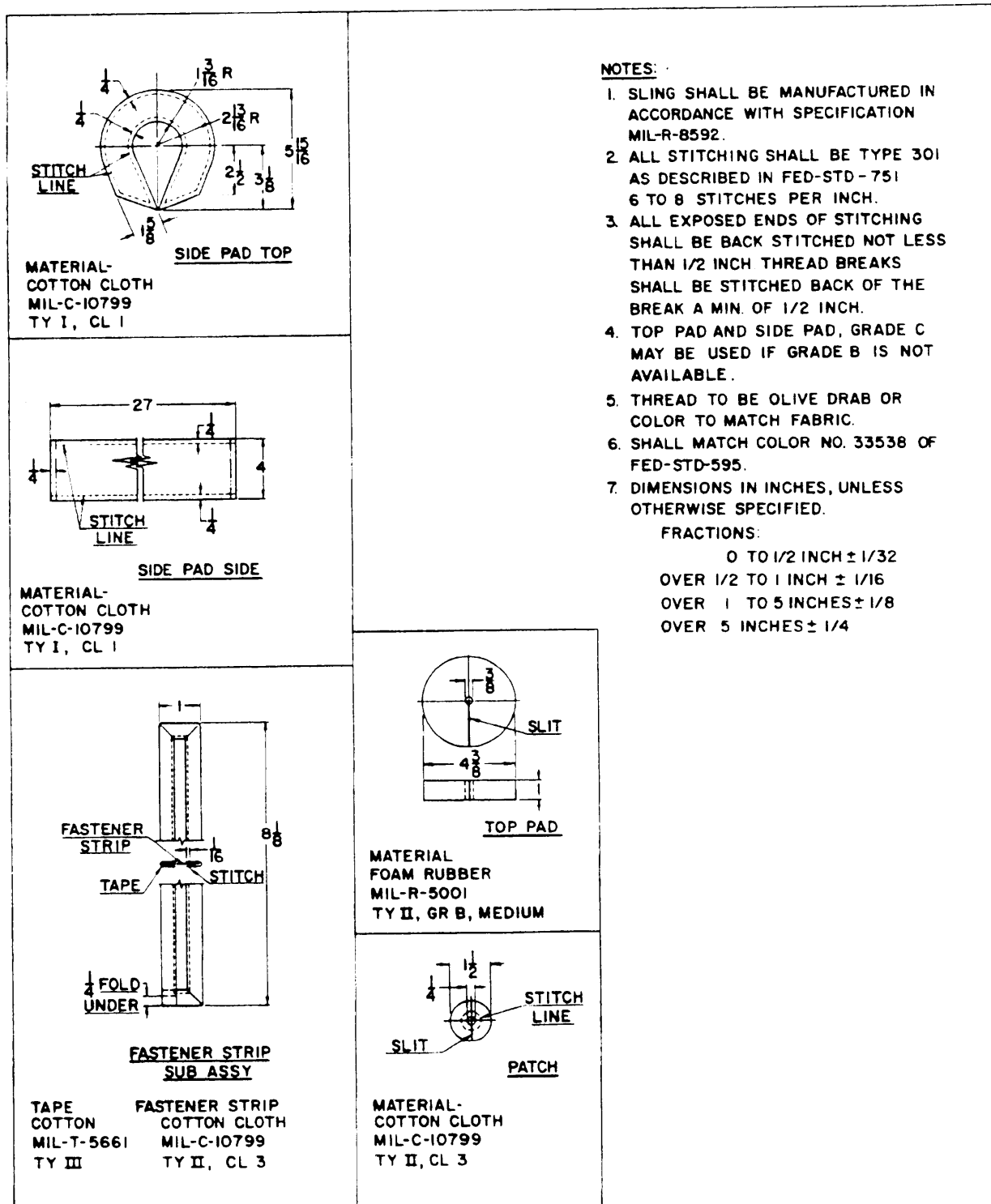


Figure 1. Cable Weight Cover Construction Details (Sheet 4)

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4.3.1.1 Inspection lot - An inspection lot size shall be expressed in units of one cover made under essentially the same conditions and from the same materials and components. The sample unit shall be one cover.

4.3.1.1.1 Preparation for delivery - An inspection lot size shall be expressed in units of one fully prepared shipping container containing covers fully prepared for delivery with the exception that it need not be sealed.

4.3.1.1.2 Sampling for tests and examination of the cover - The sample size, acceptance criteria, examinations and tests required for the cover shall be as specified in Table I.

TABLE T

Sample Size, Acceptance Criteria, Examinations and Tests

	Type of Inspection	Paragraph		Sample Size	Acceptance Criteria
		Requirement	Method		
Visual Examination	Critical and Minor		4.4.1	Every cover for critical defects and Inspection Level II 1/ for minor defects	Reject all units with any critical defects and an acceptable quality level of 6.5 defects per hundred units for minor defects
Preparation for delivery	Major		4.4.2	Inspection Level S-2 1/	Total AQL of 4.0 percent defective

1/ The sample size shall be based on the applicable size code letter corresponding to the specified inspection level of MIL-STD-105.

4.4 Inspection methods -

4.4.1 Visual examination - Every cover shall be visually examined for defects to determine conformance to the requirements of this specification. The classification and list of defects, Table II, shall be used to classify and enumerate the defects found.

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TABLE II

Classification of Defects for Visual
Examination of the Cover

Critical	Minor
1. Any material imperfections-foreign matter imbedded, holes or tears	201. Marking - missing, insufficient, incorrect, illegible, or not permanent
2. Stitching missing, pattern not as specified, not type stitch or thread size specified	202. Color not as specified
3. Any component missing, malformed, fractured or otherwise damaged	
4. Backstitching missing, broken stitches or runoff	
5* Incorrect assembly or improper positioning of components	
6. Faulty workmanship or other irregularities	

4.4.2 Preparation for delivery - Each of the fully prepared shipping containers selected as a sample unit from the lot shall be examined to determine that the packaging, packing and marking conform to this specification. The classification of defects, Table III, shall be used to classify the defects found.

TABLE III

Classification of Defects for Preparation for Delivery

Item	Defects
Exterior and interior markings	Missing, incorrect, incomplete, illegible; of improper size, location, sequence, or method of application; markings not the same on the interior and exterior containers
Packaging and packing materials	Any non-conforming component; any component missing, damaged, or otherwise defective.

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TABLE III (Cent'd)

Item	Defects
Workmanship	Inadequate application of the components such as incomplete closure of the unit package, intermediate package, container flaps, or loose strappings, etc; bulging or distortion of the containers.
Exterior and interior weight or content	Number per container is more or less than required; gross or net weight exceeds the requirement.

5. PREPARATION FOR DELIVERY

5.1 Packaging - Packaging shall be Level A or C, as specified (see 6.2).

5.1.1 Level A - The covers shall be packaged in accordance with MIL-P-116, Method 111. Place each cover within a transparent film bag and seal. Excess air within the bag shall be expelled prior to sealing. The bags shall be fabricated in accordance with MIL-B-43165, Type I or MIL-B-22205, Type III. The minimum thickness of the film shall be .0015 inch. Each bagged cover shall then be packaged within an individual paperboard folding or set-up container conforming to PPP-B-566 or PPP-B-676.

5.1.2 Level C - The cover shall be packaged in a manner that will prevent physical damage and deterioration during transit from the supply source to the point of delivery. The contractor's commercial practice may be utilized when it conforms to the criteria stated herein.

5.2 Packing - Packing shall be Level A, B or C as specified by the procuring activity (see 6.2). Insofar as practicable, shipping containers shall contain items of one part number, contain identical quantities, be of uniform size and shape and effect a close fit for the contents.

5.2.1 Level A - The cover, packaged as specified in 5.1.1, shall be packed for shipment in fiberboard shipping containers conforming to PPP-B-636, Class-Weather resistant, Grade V3s/V3c or PPP-B-640, Class 2, Grade A. The gross weight of each packed container shall not exceed 70 pounds for the PPP-B-636 container nor 200 pounds for the PPP-B-640 container. Each container shall be fitted with a waterproof case liner fabricated and sealed in accordance with MIL-L-10547. The container closure, sealing and banding procedure shall be accomplished in accordance with the procedure delineated in the appendix of the applicable specification.

5.2.2 Level B - The cover, packaged as specified in 5.1.1, shall be packed for shipment in fiberboard containers conforming to PPP-B-636, Class-Domestic, Grade 275 (minimum) or PPP-B-640, Class 1, Grade A or B.

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The gross weight of each packed container shall not exceed 90 pounds for the PPP-B-636 container nor 200 pounds for the PPP-B-640 container. The closure and banding shall be accomplished in accordance with the procedure specified in the appendix of the applicable specification.,

5.2.3 Level C - The cover, packaged as specified, shall be packed for shipment in shipping containers that will afford protection against damage during transit from the supply source to the point of delivery. The pack shall as a minimum comply with the rules and regulations applicable to the mode of transportation utilized.

5.3 Marking - Interior and exterior shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Intended use - The helicopter rescue equipment cable weight covers reverred by this specification are intended for use in assisting personnel performing rescue work from helicopter aircraft.

6.2 Ordering data - Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Quantity.
- (c) Selection of applicable levels of packaging and packing.

6.3 Certain provisions of this specification are the subject of International Standardization agreement (STANAG 3295 and 3281). When amendment, revision, or cancellation of this specification is proposed, the departmental custodians will inform their respective Departmental Standardization Offices sc that appropriate action may be taken respecting the international agreement concerned.

Custodians:

Navy - WP
Air Force - 84
Army - MO
International interest (see Section 6)

Preparing activity:

Navy - WP

Review activities:

Navy - WP
Air Force - 11, 84
Army - MO

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 119-R004
<p align="center">INSTRUCTIONS</p> <p>This sheet is to be filled out by personnel either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity (as indicated on reverse hereof).</p>		
SPECIFICATION MIL-R-8592/4 Cover, Cable Weight, Rescue Equipment Helicopter		
ORGANIZATION (Of submitter)		CITY AND STATE
CONTRACT NO.	QUANTITY OF ITEMS PROCURED	DOLLAR AMOUNT
MATERIAL PROCURED UNDER A		
<input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?		
A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES.		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE SPECIFICATION RESTRICTIVE?		
<input type="checkbox"/> YES <input type="checkbox"/> NO IF "YES", IN WHAT WAY?		
4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
SUBMITTED (Printed or typed name and activity)		DATE

FOLD

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Naval Air Engineering Center
Philadelphia, Pennsylvania 19112

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