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MILITARY HANDBOOK

CLOTHING COMPONENTS

FOR

MILITARY UNIFORMS



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DEPARTMENT OF DEFENSE
WASHINGTON, DC 20360

MIL-HDBK-150B
Clothing Components for Military Uniforms

1. This standardization handbook was developed by the Department of Defense in accordance with established procedures.

2. This publication was approved 28 February 1979 for printing and inclusion in the Military Standardization Handbook series.

3. This handbook provides information and guidance to Department of Defense personnel preparing specifications. Items considered superior to those listed herein may be specified in procurement documents, however, immediate action should be initiated to notify the preparing activity of any change in requirements so that they may be included in this handbook.

4. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: US Army Natick Research and Development Command, Natick, MA 01760, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FORWARD

1. The components described herein are based on agreements made by representatives of the military services of the Department of Defense.

2. This document is intended to standardize components (both functional and traditional) for use in uniform items by the military services of the Department of Defense.

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1. SCOPE

1.1 This handbook lists components used for dress and semidress military uniforms.

2. REFERENCED DOCUMENTS

2.1 Issues of documents. The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this handbook to the extent specified herein.

SPECIFICATIONS

FEDERAL

V-B-871	-	Button, Sewing Hole, and Button, Staple, (Plastic)
V-F-106	-	Fasteners, Slide, Interlocking
V-L-61	-	Laces, Nylon
V-T-276	-	Thread, Cotton
V-T-280	-	Thread, Gimp, Cotton, Buttonhole
V-T-285	-	Thread, Polyester
V-T-295	-	Thread, Nylon
V-T-301	-	Thread, Silk
CCC-C-426	-	Cloth, Drill, Cotton
CCC-C-432	-	Cloth, Sheeting, Cotton, (Unbleached, Bleached and Dyed)
CCC-C-438	-	Cloth, Buckram, Cotton
CCC-C-440	-	Cloth, Cheesecloth, Cotton, Bleached and Unbleached
CCC-C-441	-	Cloth, Corduroy, Cotton
CCC-C-458	-	Cloth, Flannel, Cotton
DDD-B-1199	-	Binding Textile, Cotton, Bias-Cut
DDD-L-20	-	Label: For Clothing, Equipage, and Tentage (General Use)
DDD-T-86	-	Tape, Textile; Cotton, General Purpose (Unbleached, Bleached, or Dyed)

MILITARY

MIL-C-297	-	Cloth, Interlining, Cotton Warp, and Spun Hair-Wool or Rayon Filling
MIL-C-326	-	Cloth, Silesia, Cotton
MIL-C-368	-	Cloth, Satin, Rayon and Cloth, Twill, Rayon
MIL-B-371	-	Braid, Textile, Tubular
MIL-C-508	-	Cloth, Oxford, Nylon, 3 Ounce
MIL-B-593	-	Braid, Textile (Flat)
MIL-B-1667	-	Braid, Textile, Cord-Edge

...without change from Business Service Centers at the General Services Ad...

MIL-B-1860 - Buckle, Slide, Plastic
MIL-B-3461 - Button, Insignia, Metal, Uniform and Cap
MIL-T-5237 - Tape, Textile; Webbing, Textile; Rayon
MIL-C-10296 - Cloth, Sateen, Cotton
MIL-F-10884 - Fasteners, Snap
MIL-C-11065 - Cloth, Flannel, Wool and Nylon, 16-Ounce
MIL-B-13466 - Braid, Textile and Lace, Vellum, Woven, Textile (For Blue Dress Uniform)
MIL-L-15040 - Labels, Garment (Woven, Rayon)
MIL-C-15062 - Cloth, Flannel, Wool, Undercollar Cloth
MIL-P-15064 - Pads, Shoulder and Sleeve-head
MIL-C-15065 - Coat Fronts
MIL-C-16375 - Cloth, Wigan, Cotton
MIL-B-17143 - Button, Insignia (Anchor, Plastic, Black)
MIL-L-17507 - Lace, Ornamental
MIL-L-20271 - Lace, Gold; Ornamental
MIL-B-20289 - Buttons, Insignia, Plastic
MIL-F-21840 - Fastener Tapes, Hook and Pile, Synthetic
MIL-C-29137 - Cloth, Felt-Fabric Composite, Undercollar
MIL-B-40092 - Braid, Textile, Cord-Edge, Polyester
MIL-C-43525 - Cloth, Satin, Acetate or Rayon Face and Rayon or Cotton Back
MIL-T-43548 - Thread, Polyester, Cotton-Covered
MIL-C-43594 - Cloth, Interlining, Polyester
MIL-T-43624 - Thread, Polyester, Spun
MIL-C-43626 - Cloth, Interlining, Acetate and Cotton
MIL-C-43675 - Cloth, Interlining, Cotton Warp and Rayon Filling
MIL-C-43718 - Cloth, Twill Polyester; Polyester and Cotton: Polyester and Rayon
MIL-C-43836 - Cloth, Interlining, Non-Woven
MIL-C-43843 - Cloth, Plain Weave, Polyester/Cotton, Precured, Durable Press
MIL-C-43920 - Cloth, Interlining, Cotton or Synthetic, and Nylon
MIL-O-82112 - Ornamentation for Uniform, Woman's, Evening Dress; Officer's
MIL-O-82194 - Ornamentation for Jacket, Man's, Evening Dress, Officers

MILITARY HANDBOOK

MIL-HDBK-156 - Glossary of Military Clothing Fabrication Terms

STANDARDS

FEDERAL

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

3. DEFINITIONS

(Terminology is defined in MIL-HDBK-156)

4. GENERAL STATEMENTS

4.1 This handbook may be used by the military services in preparing military specifications and is intended to standardize clothing components for use in the development of items of military uniforms.

4.2 Unless otherwise specified, all stitches, seams and stitchings shall be in accordance with FED-STD-751.

5. DETAIL REQUIREMENTS

5.1 Ornamentation. Ornamentation for military uniforms should conform to the following specifications (as applicable):

MIL-B-593	-	Braid, Textile (Flat)
MIL-B-1667	-	Braid, Textile, Cord-Edge
MIL-B-13466	-	Braid, Textile and Lace, Vellum, Woven Textile (For Blue Dress Uniform)
MIL-L-17507	-	Lace, Ornamental
MIL-L-20271	-	Lace, Gold; Ornamental
MIL-B-40092	-	Braid, Textile, Cord-Edge, Polyester
MIL-O-82112	-	Ornamentation: for Uniform, Woman's, Evening Dress, Officer's
MIL-O-82194	-	Ornamentation: For Jacket, Man's, Evening Dress, Officers'

5.2 Drawcords. Tubular braid for drawcords should conform to:

MIL-B-371 - Braid, Textile, Tubular

5.3 Hanger loops. Flat braid for hanger loops should conform to:

MIL-B-371 - Braid, Textile, Tubular

When applicable, hanger loops may be fabricated from the uniform lining material or basic material.

5.4 Tab, collar or tie. Collar tabs or tie tabs for women's shirts may be fabricated from polyester/cotton, durable press cloth conforming to MIL-C-43843.

5.5 Suspender loops. Nylon laces for suspender loops or similar constructions should conform to:

V-L-61 - Laces, Nylon

5.6 Buckles. Plastic slide buckles for overcoat and raincoat belts should conform to:

MIL-B-1860 - Buckle, Slide, Plastic

5.7 Buttons.

5.7.1 Buttons, plastic. Plastic buttons for military uniforms should conform to the following specifications (as applicable):

V-B-871 - Button, Sewing Hole, and Button, Staple, (Plastic)
MIL-B-17143 - Button, Insignia (Anchor, Plastic, Black)
MIL-B-20289 - Buttons, Insignia, Plastic

5.7.2 Buttons, metal. Metal insignia buttons for military uniforms should conform to:

MIL-B-3461 - Button, Insignia, Metal, Uniform and Cap

5.8 Fasteners.

5.8.1 Fasteners, hook and eye (trouser). Nickle plated hook and eye fasteners for closing trouser waistbands should be North and Judd (Hook Flex H-49, K-50, H-89 and E-90); Universal Button Co. (Talon #3, #7, and #8 hook with #8 eye or #85 eye); Axim Co. Junior Series, type JB; Stimpson (P-536, D-4086, D-4457, D-4288; RAU (OA50, OX1256, 0804415), Patwin Inc. (Slim-Slak with MB eye, and Slik Slak); or equal.

5.8.2 Fasteners, collar closure hook and eye. Hooks and eyes for collar closures should be brass commercial type or as specified.

5.8.3 Fasteners, slide. Slide fasteners for military uniforms should conform to:

V-F-106 - Fasteners, Slide, Interlocking

5.8.4 Fasteners, snap (clinch-on type). Clinch-on type snap fasteners for military uniforms should conform to:

MIL-F-10884 - Fasteners, Snap

5.8.5 Fasteners, snap (sew-on type). Sew-on type snap fasteners should be brass, rolled edge, round or square type.

5.8.6 Fastener tapes. Hook and pile fastener tapes for military uniforms should conform to:

MIL-F-21840 - Fastener Tapes, Hook and Pile, Synthetic

5.9 Tape. Tapes for binding seams or edges, reinforcements, bridles, stays, hem finishing, and other uses should conform to the following specifications (as applicable):

DDD-B-1199 - Binding Textile, Cotton, Bias Cut

DDD-T-86 - Tape, Textile; Cotton, General Purpose (Unbleached, Bleached, or Dyed)
MIL-T-5237 - Tape, Textile; Webbing, Textile; Rayon

Tape may also be fabricated from cloth such as the cotton silesia specified in MIL-C-326.

5.10 Thread. Thread used in the manufacture of military uniforms should conform to the following specifications (as applicable):

V-T-276 - Thread, Cotton
V-T-280 - Thread, Gimp, Cotton, Buttonhole
V-T-285 - Thread, Polyester
V-T-295 - Thread, Nylon
V-T-301 - Thread, Silk
MIL-T-43548 - Thread, Polyester, Cotton-Covered
MIL-T-43624 - Thread, Polyester, Spun

5.11 Labels. Labels should conform to the following specifications (as applicable).

DDD-L-20 - Label: For Clothing, Equipage, and Tentage (General Use)
MIL-L-15040 - Labels, Garment (Woven, Rayon)

5.12 Interlining. Interlinings for military uniforms should conform to the following specifications (as applicable):

CCC-C-438 - Cloth, Buckram, Cotton
CCC-C-440 - Cloth, Cheesecloth, Cotton, Bleached and Unbleached
MIL-C-297 - Cloth, Interlining, Cotton Warp, and Spun Hair-Wool or Rayon Filling
MIL-C-326 - Cloth, Silesia, Cotton
MIL-C-15065 - Coat Fronts
MIL-C-16375 - Cloth, Wigan, Cotton
MIL-C-43594 - Cloth, Interlining, Polyester
MIL-C-43626 - Cloth, Interlining, Acetate and Cotton
MIL-C-43675 - Cloth, Interlining, Cotton Warp and Rayon Filling
MIL-C-43718 - Cloth, Twill, Polyester; Polyester and Cotton: Polyester and Rayon
MIL-C-43836 - Cloth, Interlining, Non-Woven
MIL-C-43920 - Cloth, Interlining, Cotton or Synthetic, and Nylon

In addition to the above, interlinings may consist of uniform basic material, uniform lining, or other material when specified.

5.13 Lining. Linings for military uniforms should conform to the following specifications (as applicable):

MIL-C-326	-	Cloth, Silesia, Cotton
MIL-C-368	-	Cloth, Satin, Rayon and Cloth, Twill, Rayon
MIL-C-508	-	Cloth, Oxford, Nylon, 3 Ounce
MIL-C-15062	-	Cloth, Flannel, Wool, Undercollar Cloth
MIL-C-29137	-	Cloth, Felt-Fabric Composite, Undercollar
MIL-C-43525	-	Cloth, Satin, Acetate or Rayon Face and Rayon or Cotton Back
MIL-C-43718	-	Cloth, Twill, Polyester; Polyester and Cotton; Polyester and Rayon.

When specified, certain lining parts may be fabricated from the basic uniform material or other material.

5.14 Pocketing. Pocketing for military uniforms should conform to the following specifications (as applicable):

CCC-C-426	-	Cloth, Drill, Cotton
CCC-C-432	-	Cloth, Sheeting, Cotton, (Unbleached, Bleached, and Dyed)
CCC-C-441	-	Cloth, Corduroy, Cotton
CCC-C-458	-	Cloth, Flannel, Cotton
MIL-C-326	-	Cloth, Silesia, Cotton
MIL-C-10296	-	Cloth, Sateen, Cotton
MIL-C-11065	-	Cloth, Flannel, Wool and Nylon, 16-Ounce, Shrink Resistant
MIL-C-43718	-	Cloth, Twill, Polyester; Polyester and Cotton: Polyester and Rayon

In addition to the above, pockets may be fabricated from the basic uniform material or other material when specified.

5.15 Pads, shoulder and sleeve head. Unless otherwise specified, shoulder pads and sleeve-head pads should conform to:

MIL-P-15064 - Pads, Shoulder and Sleeve-Head

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Preparing activity:

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