INCH POUND

MIL-F-10884G
21 October 1994
SUPERSEDING
MIL-F-10884F
30 December 1988

MILITARY SPECIFICATION

FASTENERS, SNAP

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

1. SCOPE

1.1 Scope This specification covers metal snap fasteners intended for temporary joining of detachable components and parts of clothing, equipage, and tentage items

1.2 Classification Snap fasteners shall be of the following styles, finishes, and sizes as specified (see 6 2)

Style 1 - Large curtain type
Style 1B - Mudproof curtain type
Style 2 - Regular wire spring clamp type
Style 2A - Small wire spring clamp type
Style 3 - Pronged ring head type
Style 4 - Three way locking type

Finish 1 - Bright brass
* Finish 2 - Black
Finish 3 - Nickel plate
Finish 4 - Bright chrome plate
* Finish 5 - Enamel (color specified by purchaser)
Size - (see 3.2.3)

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to· Defense Industrial Supply Center, 700 Robbins Avenue, DISC-EPP, Philadelphia, PA 19111-5096 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A FSC 5325

DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited

2 APPLICABLE DOCUMENTS

2 1 Government documents

* 2 1 1 Specifications, standards, and handbooks. Unless otherwise specified, issues of referenced documents are those in effect at the time of solicitation Information regarding the latest issue of government documents and adopted non-government documents can be obtained from the Department of Defense Index of Specification and Standards (see 6 2) Information regarding the latest issue of non-government documents not adopted by the government can be obtained from the organization responsible for their publication

SPECIFICATIONS

FEDERAL

PS-1792 - Soap, Laundry (Neutral and Built)
FF-S-107 - Screws, Tapping and Drive
QQ-C-320 - Chromium Plating (Electrodeposited)
QQ-N-290 - Nickel Plating (Electrodeposited)
QQ-W-321 - Wire, Copper Alloy

MILITARY

MIL-F-495 - Finish, Chemical, Black, For Copper Alloys

STANDARDS

FEDERAL

FED-STD-H28/2 - Screw-Thread Standards for Federal Services
FED-STD-H28/20 - Screw Thread Standards for Federal Services, Section 20, Inspection Methods for Acceptability of UN, UNR, UNJ, M and MJ Screw Threads
FED-STD-191 - Textile Test Methods

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129 - Marking for Shipment and Storage

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN· NPODS, 5801 Tabor Avenue, Philadelphia, PA 19120-5099)

2 1 2 Other Government documents, drawings, and publications The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

DRAWINGS

a. US ARMY NATICK RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER

4-1-173 - Fasteners, Snap, Style 1, Socket Assembly and Clinch Plate
4-1-174 - Fasteners, Snap; Style 1, Studs and Washers
4-1-176 - Fasteners, Snap; Style 2, Sheet No. 1
4-1-177 - Fasteners, Snap; Style 2, Sheet No. 2
4-1-178 - Fasteners, Snap; Style 2 and 2A, Stud-Eyelet Combination
4-1-179 - Fasteners, Snap, Style 2A
4-1-181 - Fasteners, Snap, Style 4, Construction A
4-1-182 - Fasteners, Snap, Style 4, Construction B
4-1-183 - Fasteners, Snap, Style 1B

(Copies of drawings and available from the U.S Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014)

* b. DEFENSE INDUSTRIAL SUPPLY CENTER (DISC)

* DISC DWG 02754 - Fastener, Snap; Style 3 (16 ligne)

(Copies of drawing are available from Defense Industrial Supply Center, 700 Robbins Avenue, DISC-EPP, Philadelphia, PA 19111-5096.)

* 2.2 Non-Government publications Unless otherwise specified, issues of referenced documents are those in effect at the time of solicitation. Information regarding the latest issue of non-government documents not adopted by the government can be obtained from the organization responsible for their publication. (see 6.2)

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

ASME B18 6 4 - Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A109 - Steel, Strip, Carbon, Cold-Rolled
ASTM A366 - Steel, Sheet, Carbon, Cold-Rolled, Commercial Quality
* ASTM B36 - Brass Plate, Sheet, Strip, and Rolled Bar
ASTM D523 - Test for Specular Gloss
ASTM D3951 - Standard Practice for Commercial Packaging

(Application for copies should be addressed to the American Society for Testing and Materials, (ASTM), 1916 Race Street, Philadelphia, PA 19103)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents These documents also may be available in or through libraries or other informational services)

2 3 Order of precedence In the event of a conflict between the text of this document and the references cited herein, the text of this document shall take precedence Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained

3 REQUIREMENTS

3 1 Materials and components Materials and components shall conform to the requirements specified herein Materials and components not definitely specified shall be of the quality normally used by the manufacturer provided the completed item complies with all provisions of this specification It is encouraged that recycled material be used when practical as long as it meets the requirements of this specification

* 3.1 1 Brass Sheet and strip brass shall conform to copper alloy (UNS 26000) of ASTM B36 and shall be of the temper shown on drawing

3.1.2 Steel. Steel sheet, cold-rolled, commercial quality and steel strip, cold-rolled, temper 3, 4 or 5 shall conform to ASTM A109 and A366 respectively Alloy 260 wire may be used as an alternate so long as snap performance is unchanged.

3 1.3 Phosphor-bronze spring wire Phosphor-bronze spring wire shall be round and conform to copper alloy 510 or QQ-W-321 and shall be of the temper shown on applicable drawing

3 2 Design and construction. The design and construction of the snap fasteners shall be as specified herein and as shown on the drawings listed in 2.1.2. Where rotation of a part of a snap fastener component would prevent effective functioning, or assembling to an end use article, that part of the snap fastener component shall be joined in a manner such that rotation will be prevented Snap fasteners shall function as intended, when tested as specified in 4.3.1.

3.2 1 Springs When the requiring agency has a special application requiring a "soft" or "hard" action fasteners (see 6.2)

a. The dimensions of the inside diameter and gap of the springs, shown on the applicable drawing, shall not apply

b The spring shall be designed to meet the specific application requirement so that the socket assemblies will be firmly engaged when snapped on the appropriate studs and still permit disengagement or snapping off with a reasonable, properly applied force.

c. The contractor shall, upon request, be required to furnish the dimensions of the inside diameter and gap of the spring he proposes to furnish

3 2.2 Threads All machine screw threads shall conform to the applicable requirements of FED-STD-H28/2.. Self-tapping screw threads shall be in accordance with ASME B18.6 4 Thread acceptability for machine screws shall be in accordance with FED-STD-H28/20, System 21.

3 2 3 Fastener components Unless otherwise specified (see 6.2), components necessary for complete fasteners shall be furnished and all components shall be of one manufacturer's construction only When male or female halves of complete style 1, 1B, 2, and 2A fasteners only are specified, individual components shall be of one manufacturer's construction only

3.2.3 1 Style 1 and 1B. Style 1 and 1B fasteners shall consist of 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 washer is required).

3 2 3 1 1 Female components, style 1 and 1B The style 1 and 1B fastener female components shall consist of a spring action socket, regular or long pronged when applicable, as specified (see 6.2), and a clinch plate

3.2.3 1.2 Male components, style 1 The style 1 male fastener component(s) shall be one of the following types and sizes, as specified (see 6.2).

a Stud, two-screw base.
b Stud, eyelet base, with washer
c. Stud, machine screw base (No. 8-32UNC-2A). Length as prescribed.
d. Stud, machine screw base (No. 8-32UNC-2A), large hex. Length as prescribed.
e. Stud, self-tapping screw base.
f. Stud, two prong, clinch base with washer.

3.2.3.1.3 Male components, style 1B. The style 1B male components shall consist of a stud, eyelet base, size 1, with washer, as specified (see 6.2).

3.2.3.2 Style 2 and 2A. Unless otherwise specified (see 6.2), style 2 and 2A fasteners shall be either construction, A, B, C, or D at the option of the contractor. Style 2 and 2A fasteners shall consist of two separate components that constitute the female half of the fastener and two separate components that constitute the male half of the fasteners, except that where the application required a reversible fastener the stud-eyelet combination shall be furnished in which case, the stud-eyelet combination shall constitute the male half of the fastener and the socket the female half.

3.2.3.2.1 Female components, style 2 and 2A. The style 2 and 2A female components shall be of the following buttons and sockets, as specified (see 6.2):

Style 2

a. Button, 24 ligne size, size 1 or 2.
b. Button, 36 ligne size
c Socket

Style 2A

a. Button, size 1 or 2
b Socket.

3 2 3.2.2 Male components, style 2 and 2A The style 2 and 2A male components shall be of the following stud and eyelet sizes or stud-eyelet combinations, as specified (see 6.2).

Style 2

a. Stud.
b Eyelet, size 1, 2, or 3
c Stud, machine screw base (No. 8-32UNC-2A), size 1, 2, 3, or 4.
d Stud, wood screw base
e Stud, self-tapping screw base, size 1 or 2
f Stud-eyelet combination, size 1 or 2
g Washer (for applications with 36 ligne button is used)

Style 2A

a. Stud
b Eyelet, size 1, 2, 3, or 4.

* 3.2.3 3 Style 3 Unless otherwise specified (see 6.2), style 3 fasteners shall be either construction, A, B, C or D , at the option of the contractor. Style 3 fasteners shall consist of four separate components· pronged ring, socket, stud, and eyelet. Reversible stud for use with construction B, C and D components shall be furnished only when specified (see 6.2) Reinforced socket for use with construction A components (in lieu of regular socket) shall be furnished only when requested

3 2 3 4 Style 4 Unless otherwise specified (see 6 2), style 4 fasteners shall be either construction A or B at the option of the contractor. Style 4 fasteners shall consist of four separate components. button, socket, stud, and eyelet or eyelet with threaded insert, as specified (see 6.2).

3.3 Stress corrosion cracking Brass snap fastener components in the half-hard or harder temper shall be free from stress corrosion cracking when tested as specified in 4.3.2.

3 4 Finish. The finish, as specified (see 6.2), shall be in accordance with the applicable finish requirements specified and shall apply to all metal fastener parts, except:

a. At the option of the contractor, socket springs may have a natural finish or be finished to match the socket, provided such finishing does not adversely affect the function of the fastener

b At the option of the contractor, the following component parts of fasteners may have a natural finish

Component part	Applicable styles
Stud eyelet	1, 1B (except 1B, size 3 alternates)
Button eyelet	2, 2A, 4
Button reinforcement (brass)	2
Threaded insert (brass)	4

c Fastener components that are not made of brass shall be corrosion resistant steel (CRES)

Finished snap fasteners shall be free from scratch, dig, abrasion exposing bare metal, and area of corrosion

3 4 1 Finish 1, bright brass All component parts of the fasteners, except for the optional provisions specified in 3.4, shall be given a bright brass finish produced by a chemical or mechanical commercial finished process Button cap shells may be given a coat of clear lacquer

3.4.2 Finish 2, black, chemical finish

3.4.2.1 Style 1, and 1B fasteners The finish on the socket and the stud body shall be a dull black chemical finish in accordance with MIL-F-495. Glossiness of the head of the stud body due to polishing action in handling is permissible Other components of the fastener, except for the optional provisions specified in 3.4, shall be given a commercial dark oxide finish (see 6.3).

3 4.2.2 Style 2, 2A, 3, 4, fasteners The black finish shall be black chemical finish as specified in 3 4.2.2.1, except the button cap shells of style 2, 2A, 4, 6 and style 7 fasteners may, at the option of the contractor, be a black enamel finish as specified in 3.4.2.2.2.

3.4.2.2 1 Black chemical. The black chemical finish on the cap shells of buttons shall conform to MIL-F-495, except that the gloss shall be no more than 40 Other components of the fastener, except for the optional provisions specified in 3 4, shall be given a commercial dark oxide finish (see 6.3)

3.4.2.2.2 Black enamel. The black enamel finish on the button cap shells shall be a baked-on enamel. Prior to enameling, the shell shall be thoroughly cleaned and may be given preparatory prepaint treatments. The enamel shall be uniformly coated over the top surface of the shell including the visible portion of the edge (visible when attached to end use article.)

3.4.2.2.2.1 Gloss The gloss of the enamel shall be no more than 40 when tested as specified in 4.3 3

3 4.2.2.2.2 Resistance to hot soap solution. The enamel shall be unaffected, except for slight color change and slight dulling, and it shall not be possible to furrow through the film with the thumbnail, when tested for resistance to hot soap solution, as specified in 4.3.4.

3.4.2.2.2.3 Enamel chipping. The enamel shall be capable of withstanding attachment operations without removal of any enamel, when tested as specified in 4.3.6.

3 4.2.2.2 4 Resistance to brittleness. The enamel shall be capable of being furrowed with a knife blade without evidence of brittleness, such as jagged furrow edges, when tested as specified in 4.3.7.

3.4.2.2.2.5 Appearance. The enamel coating shall be smooth and free of sags, runs, and streaks.

3 4.3 Finish 3, nickel plate

3.4.3.1 Style 1 fasteners. All component parts of the fasteners shall have no visible sign of noncoverage.

3 4.3.2 Style 2, 2A, 3 and 4 fasteners. All component parts of the fasteners, shall have no visible sign of noncoverage

3 4 4 Finish 4, bright chrome plate.

3 4.4.1 Style 1 fasteners All components parts of the fasteners, except for the optional provisions specified in 3 4, shall be given a bright chrome plated finish conforming to class 1, type I of QQ-C-320. The nickel undercoat shall conform to class II of QQ-N-290 except the thickness of the nickel plate shall be not less than 0001 inch

3 4 4 2 Style 2 and 2A fasteners The button cap shell shall be given a bright chrome plated finish conforming to class 1, type I of QQ-C-320 The nickel undercoat shall conform to class II of QQ-N-290 except the thickness of the nickel plate shall be not less than .0001 inch All other component parts, except for the optional provisions specified in 3.4, shall be given either a nickel plated finish as specified in 3.4.3.2 or a commercial dark oxide finish (see 6 3) When all components, except for the optional provisions specified in 3.4 are to be chrome plated as specified (see 6.2), the chrome plate finish requirements stated above for the button cap shell shall apply.

3 4.5 Finish 5, enamel. The brown enamel finish on the button cap shell shall be a commercial baked-on enamel Prior to enameling, the shell shall be thoroughly cleaned, and may be given preparatory prepaint treatments The enamel shall be uniformly coated over the top surface of the shell including the visible portion of the edge (visible when attached to end use article) The brown enamel finish shall conform to the requirements of 3.4.2.2.2.1 through 3 4 2 2.2 6 All other components, except for the optional provisions specified in 3.4, shall be given either a nickel plated finish specified in 3.4.3.2 or a commercial dark oxide finish (see 6.3)

3.5 Marking for identification At least one component part of each complete fastener shall bear the manufacturer's identification either by name, trade name, or trademark. Identification markings shall be permanent and shall not affect the working or snapping on and off characteristics of the fastener

3.6 Workmanship. The finished fasteners shall be free of imperfections that affect the visual and performance requirements of the item

4 QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection Unless otherwise specified in the contractor purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4 1 1 Responsibility for compliance All items shall meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

4 1 2 Responsibility for dimensional requirements. Unless otherwise specified in the contract or purchase order, the contractor is responsible for ensuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point, or at all points in the manufacturing process necessary to assure compliance with all dimensional requirements.

4.2 Quality conformance inspection Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105

4.2 1 Component and material inspection In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

4 2.2 In-process inspection. Inspection of subassemblies shall be made to ascertain that construction details which cannot be examined in the finished product are in accordance with specified requirements.
The Government reserves the right to exclude from consideration for acceptance, any material or service for which in-process inspection has indicated nonconformance

a. Cleaning of button cap shells prior to enameling (when applicable) is in conformance to 3.4.2 2.2 and 3.4.5

b Nickel undercoating prior to chrome plating (when applicable) is in conformance to 3.4.4.1 and 3 4 4.2

4.2 3 End item visual examination The end items shall be examined for defects listed in table I The lot size shall be expressed in units of snap fasteners. The sample unit shall be one snap fastener. The inpection level shall be S-4 and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 1.5 for major defects and 6 5 for total (major and minor combined) defects.

TABLE I End item visual defects

Examine	Defect	Classification Major	Minor
Finish	Not finished	101	
	Color or finish is not as specified, unless excepted, such as glossiness of head of stud body		201
	Scratch, dig, or abrasion exposing bare metal		202
	Area of corrosion		203
	Enamel coating not uniform over the top and visible portion of the edge of the shell of the button cap		204
	Enamel coating has sags, runs, orstreaks, or is not smooth		205
Design, construction and workmanship general (applicable to all components and assemblies)	Any component missing	102	
	Any component not fabricated of the applicable referenced materials	103	
	Not fabricated as specified	104	
	Not clean i e , evidence of oil, grease, or dirt		206
	Sharp edge or burr		207
	Puncture, malformation, deformation, or fracture	105	
Assembling data	Missing, as applicable	106	
	Incomplete or illegible		208
Marking (identification)	Missing, incomplete, illegible, misspelled, or incorrect		209
	Not permanent		210

4.2 4 End item dimensional examination The end items shall be examined for conformance to the dimensions specified on the drawings that can be determined on the end item without damaging or disassembling(sic) the end items. Any dimensions not within the specified tolerance shall be classified as a defect. The lot size shall be expressed in units of snap fasteners The sample unit shall be one snap fastener The inspection level shall be S-3 and the AQL, expressed in terms of defects per hundred units, shall be 1 5

4 2.5 End item testing The end items shall be tested for the characteristics listed in table II The methods of testing specified in FED-STD-191 wherever applicable and as listed in table II shall be followed. The lot size shall be expressed in units of snap fasteners. The sample unit shall be 7 snap fasteners The inspection level shall be S-2. Any test failure shall be cause for rejection of the lot.

TABLE II. End items testing

Characteristic	Requirement reference	Test method paragraph	No. determinations per sample unit	Results reported as
Functioning of assembled fastener	3.2	4.3.1	1	Pass or fail
Resistance to stress corrosion cracking	3.3	4.3.2	1	Pass or fail
Enamel finish: Gloss	3.4.2.2.2.1	4.3.3	1	Pass or fail
Resistance to hot soap solution	3.4 2.2.2.2	4 3 4	1	Pass or fail
Solvent resistance	3 4.2.2.2.3	4.3.5	1	Pass or fail
Resistance to enamel chipping	3.4.2.2.2.4	4.3.6	1	Pass or fail
Resistance to brittleness	3.4.2.2.2.5	4.3.7	1	Pass or fail

4 2 6 Packaging examination Inspection of packaging shall be in accordance with ASTM D3951.

4.3 Methods of inspection.

4.3.1 Function test. The male and female half of the fastener shall each be assembled to a suitable fabric or material in accordance with the contractor's recommendations for assembling (see 3.6) Determine whether rotation, if any, of any part prevents effective assembly or functioning when tested as specified herein. After assembly, the male and female halves of the fastener shall be visually inspected. Any cracks in the rolled eyelet portion of the male or female halves of the fastener shall constitute a test failure. The male and female half shall be manually snapped together and shall snap and unsnap at the point of periphery normally used when opening and closing. The fastener shall be manually operated as stated not less than four times to determine compliance with 3.2. Any sample not snapping or unsnapping shall constitute failure of this test.

4 3.2 Stress corrosion cracking test The brass snap fastener components in the half-hard to harder temper shall be tested for stress corrosion cracking in accordance with ASTM B154 Any sample having evidence of stress corrosion cracking shall constitute failure of this test

4 3 3 Enamel gloss test The enamel gloss of the button cap shell shall be tested by visually comparing against a black or brown, as applicable, enamel plain panel whose gloss has been determined to be 40 in accordance with ASTM D-523 Any button cap shell having a gloss greater than 40 shall constitute failure of this test

4 3 4 Enamel resistance to hot soap solution test The resistance of the enamel on the button shall be tested by immersing the button in a 5-percent soap solution maintained at 195 degrees F +/- 5 degrees, for a period of not less than 2 hours The soap shall conform to P-S-1792 After immersion, the button shall be rinsed and the enamel on the cap shell examined for differences in appearance from the unimmersed control specimen An attempt shall be made to furrow through the enamel film with the thumbnail Any difference in enamel film appearance, except for slight color change or slight dulling, or any enamel film having evidence of thumbnail furrow through the film shall constitute failure of this test.

4 3.5 Enamel resistance to solvent test. The resistance of the enamel on the button to a solvent shall be tested by immersing the button in Stoddard's solvent maintained at 70 degrees +/- 5 degrees F, for a period of not less than 20 minutes After immersion, the button shall be dried and the enamel cap shell surface examined visually for changes in appearance from an unimmersed control specimen. An attempt shall be made to scrape the enamel film with the thumbnail Any difference in enamel film appearance, except for slight loss of gloss, or any enamel film having evidence of softening due to scraping with the thumbnail shall constitute failure of this test

4.3.6 Enamel chipping test The resistance of the enamel on the button to withstand attachment operations shall be tested by attaching a button and applicable socket to a suitable fabric using the contractor's recommended attaching device After attachment, the enameled surface of the button shall be operations shall constitute failure of this test

4.3.7 Enamel resistance to brittleness test The resistance of the enamel on the button to brittleness shall be tested by holding a knife blade at 30 degrees from the horizontal and drawing it across the enameled surface making a furrow. The edges of the furrow shall be examined visually. Any evidence of jagged furrow edges shall constitute failure of this test

5. PACKAGING

5.1 Commercial. Like component parts of male half or female half snap fasteners of one style and finish only, shall be preserved in accordance with ASTM D3951

5.2 Commercial packing Like component parts of the male half or female half snap fasteners, preserved as specified in 5 1, shall be packed in accordance with ASTM D3951

5.3 Marking. In addition to any special marking required by the contract or purchase order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129 or ASTM D3951, as applicable. In addition to the marking specified therein, each interior and exterior container shall be marked with the name of the mating component part as follows

TO BE USED WITH . . of male half
TO BE USED WITH . of female half

6 NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6 1 Intended use The snap fasteners are intended to be used on clothing, tentage, equippage, and leather items When specified, the supplier shall furnish data for attaching snap fasteners to end use articles Assembling data shall include the supplier's recommendations for attaching the attaching tool (e.g , chuck, hand punch, die, hand screw driver or special equipment)

6.2 Acquisition requirements Acquisition documents must specify the following·

a. Title, number and date of this specification.

b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1 1 and 2.2)
c Style and finish of snap fastener (see 1.2 and 3 4).

d. Application (end use article data on which fastener is to be used), if application requires other than regular spring action (e.g "soft" or "hard" action is required) (see 3.2.1)
e Whether complete fastener or half fastener (male or female half of fastener), or individual fastener part is required (see 3.2 3)
. f Specific construction required if construction is not to be at the contractor's option
1. Style 2 and 2A, construction A, B, C, or D (see 3.2.3.2)
2. Style 3, construction A, B, C or D (see 3 2.3.3)
3. Style 4, construction A or B (see 3.2.3.4).
g. Component(s) and size(s) of fastener components required (as applicable)
1. Style 1 and 1B female components (see 3.2.3.1.1)
2. Style 1 male components (see 3.2.3.1.2).
3 Style 1B male components (see 3.2.3.1.3)
4. Style 2 and 2A female components (see 3.2.3 2.1)
5. Style 2 and 2A male components (see 3.2.3.2.2).
6. Style 3 components (see 3.2 3.3).
7. Style 4 components (see 3.2.3.4).
h When all components of style 2 and 2A fasteners, except for optional provisions, are to be chrome plated (see 3 4.4.2).
i When assembling data is required (see 3.6)

6 3 Color, commercial dark Commercial dark color is a nominally dark color, approaching black, but with permissible latitude as to shade and tone (e g bronze-tone black, blue tone black, and dark gray)

6 4 Styles, drawings, and military standards The styles with applicable drawings and comparable military standards are listed as follows

Style	Drawing	Military specification sheet (MS)
1	4-1-173 and 4-1-174	MS27977
1B	4-1-183	MS27979
2	4-1-176, 4-1-177 and 4-1-178	MS27980
2A	4-1-178 and 4-1-179	MS27981
4	4-1-181 and 4-1-182	MS27983
* 3	DISC DWG 02754	MS27982

6 5 Suppersession data Style 3 fastener for 17 ligne was deleted and replaced with Style 3 for 16 ligne
Style 1A (small - curtain type) cancelled
Styles 5, 6 and 7 cancelled.
Drawing No 4-1-184, 4-1-185, and 4-1-186 deleted Military Standards MS27984, MS27985, and MS27986 deleted

6 6 Subject term (key word) listing

Catch Snap, fastener
Clasp
Hook
Join
Secure

6 7 Changes from previous issue The margins of this documents are marked with an asterisk (*) to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content, irrespective of the marginal notations and relationship to the previous issue

Custodians
Army - GL
Navy - AS
Air Force - 99

Review activities
Army - AR, MI, AV, ME
Navy - OS
Air Force - 82
DLA - CT

Preparing activity
DLA - IS

(Project 5325-0318)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1 The preparing activity must complete blocks 1, 2, 3 and 8 In block 1, both the document number and revision letter should be given
2 The submitter of this form must complete blocks 4, 5, 6 and 7
3 The preparing activity must provide a reply within 30 days from receipt of the form

NOTE This form may not be used to request copies of documents, or to request waivers, or clarification of requirements on current contracts Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements

1 RECOMMEND A CHANGE:	1 DOCUMENT NUMBER MIL-F-10884G	2 DOCUMENT DATE (YYMMDD) 941021

3. DOCUMENT TITLE. FASTENERS, SNAP

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach sheets if needed.)

5. REASON FOR RECOMMENDATION

[illegible]		
[illegible]		
[illegible]		7. DATE SUBMITTED (YYMMDD)

8. PREPARING ACTIVITY DLA-IS

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c. ADDRESS (Include Zip Code) Defense Industrial Supply Center 700 Robbins Avenue Bldg 3 (Code DISC-EED) Philadelphia, PA 19111-5096	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403 Falls Church, VA 22041 TELEPHONE (703) 756-2340 AUTOVON 289-2340