

MIL-S-1733C

6 December 1971
SUPERSEDING
MIL-S-1733B
22 December 1964

MILITARY SPECIFICATION

SUPPORT, SNAP FASTENER

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

1. SCOPE

- * 1.1 This specification covers snap fastener supports.
- * 1.2 Classification.- Snap fastener supports shall be of the following classes and finishes as specified (see 6.2).

Class 1 - Brass

Finish A - Bright brass
Finish B - Black chemical

Class 2 - Steel

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 specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

QQ-B-626 - Brass, Leaded and Non-Leaded; Rod, Shapes, Forgings, and Flat Products with Finished Edges (Bar and Strip).
QQ-S-698 - Steel, Sheet and Strip, Low-Carbon.
QQ-Z-325 - Zinc Coating, Electrodeposited Requirements For.

FSC 5325

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- TT-L-58 - Lacquer, Spraying, Clear and Pigmented, (General Interior Use).
- PPP-B-566 - Boxes, Folding, Paperboard.
- PPP-B-636 - Boxes, Shipping, Fiberboard.
- PPP-B-665 - Boxes; Paperboard, Metal Stayed (Including Stay Material).
- PPP-B-676 - Boxes, Set-Up.

MILITARY

- MIL-E-480 - Enamel, Baking, Phenol- Or Urea-Formaldehyde.

STANDARDS

MILITARY

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

DRAWING

ARMY NATICK LABORATORIES

- 4-1-74 - Support, Fastener.

(Miniature copy of Drawing 4-1-74, identified as figure 1, is attached for information purposes only).

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

- * 2.2 Other publications.- The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply:

National Motor Freight Traffic Association, Inc., Agent

National Motor Freight Classification

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N.W., Washington, D.C. 20036.)

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Uniform Classification Committee, Agent

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 202, Union Station, 516 W. Jackson Blvd., Chicago, Illinois 60606.)

(Technical society and technical association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

3. REQUIREMENTS

- * 3.1 First article.- When specified (see 6.2), the supplier shall furnish a sample for first article inspection and approval (see 4.2 and 6.3).
- 3.2 Materials.- The materials used shall conform to the applicable referenced specifications, drawing and requirements specified herein.
 - * 3.2.1 Brass, strip.- The strip brass shall conform to any copper alloy number, quarter or half hard temper of QQ-B-626.
 - * 3.2.2 Steel, sheet and strip.- Sheet and strip steel shall conform to any quality, temper and finish of QQ-S-698.
 - * 3.2.3 Lacquer.- Lacquer shall conform to type I, class 2 of TT-L-58.
 - * 3.2.4 Enamel.- Enamel shall conform to type I or II, black color No. 27038 of MIL-E-480.
- * 3.3 Construction.- The construction of the snap fastener supports shall conform to Drawing 4-1-74 and as specified herein. Class 1 shall be fabricated from brass specified in 3.2.1. Class 2 shall be fabricated from steel specified in 3.2.2.
- * 3.4 Finish.-
 - * 3.4.1 Class 1.-
 - * 3.4.1.1 Finish A.- Finish A, class 1 snap fastener supports shall be a natural bright brass coated with lacquer specified in 3.2.3.
 - * 3.4.1.2 Finish B.- Finish B, class 1 snap fastener supports shall be given a commercial dark oxide finish (see 6.4).

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- * 3.4.2 Class 2.- Class 2 snap fastener supports shall be given a phosphate treated zinc plate conforming to type III, class 3 of QQ-Z-325 followed by baked enameling. The enamel shall conform to 3.2.4.
- * 3.5 Marking for identification.- Prior to finishing, snap fastener supports shall be permanently indented in the location as shown on Drawing 4-1-74 with the manufacturer's identification or trademark of such known characters as to be identified with the manufacturer. The indentations shall be not less than 1/8 inch in size and shall be legible after finishing.
- * 3.6 Workmanship.- The finished snap fastener supports shall be clean and free from oil, grease, dirt, sharp edges, burrs, malformation, and fracture. Lacquer and enamel coatings shall level out to a uniform dry film thickness without peeling, flaking, or blistering and shall be free from runs, sags, drips, foreign inclusions, and areas of thin or no film.

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 in the contract or order, the supplier 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 the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.
- * 4.2 First article inspection.- When a first article is required, it shall be examined for defects in table I and specified dimensions. Any visual defect or any dimension not within specified requirements shall constitute cause for rejection of the first article.
- * 4.3 Inspection.- Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated hereinafter.
- * 4.3.1 Component and material inspection.- In accordance with 4.1, components and materials shall be inspected and tested in accordance with all the requirements of referenced specifications, drawings and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

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- * 4.3.2 Process inspection.- Inspection shall be made during the manufacturing process to determine that class 2 snap fastener supports are given a phosphate treated zinc plate prior to enameling, as specified in 3.4.2. Whenever nonconformance is noted, correction shall be made to the snap fastener support affected and the process.
- * 4.3.3 End item inspection.- The lot shall consist of all completely fabricated snap fastener supports of one class or finish, as applicable, submitted for inspection at one time. The sample unit shall be one snap fastener support.
- * 4.3.3.1 Visual examination.- Examination of the snap fastener supports shall be made for the defects listed in table I. The inspection level shall be level II with an acceptable quality level (AQL) of 2.5 for major defects and 6.5 for total defects, expressed in terms of defects per hundred units.

* TABLE I.- Classification of defects

Examine	Defect	Classification	
		Major	Minor
Finish	Not finished	X	
	Color or finish not as specified		X
	Not dry film e.g., wet or tacky		X
	Not uniform, e.g., peeling, flaking, or blistering		X
	Run, sag, or drip		X
	Area of no film exposing bare metal	X	
	Area of thin film exposing zinc plate, as applicable		X
Construction and workmanship	Not clean or evidence of oil, grease, dirt, sharp edge, burrs, malformation, foreign inclusion, or fracture		X
Marking for identification	Missing, illegible, incomplete, misplaced, or less than 1/8 inch in size		X

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- * 4.3.3.2 Dimensional examination.- Examination shall be made of snap fastener supports for defects in dimensions. Any dimension not within specified requirements shall be classified as a defect. The inspection level shall be S-2 with an AQL of 4.0, expressed in terms of defects per hundred units.
- * 4.3.4 Examination of preparation for delivery.- An examination shall be made to determine that packaging, packing and markings are in compliance with section 5. Defects shall be as specified in table II. The sample unit for this examination shall be one shipping container fully prepared for delivery. The lot shall be the number of containers submitted for inspection at one time. The inspection level shall be S-2 and the AQL 6.5, expressed in terms of defects per hundred units.

* TABLE II.- Examination of preparation for delivery

Examine	Defect
Marking (interior and exterior)	Missing, incomplete, incorrect, illegible, of improper size, location, sequence or method of application.
Materials	Any nonconforming component, component missing, damaged or otherwise defective.
Workmanship	Bulged or distorted container. More than one class or finish of snap fastener supports in any container.
Contents	Quantity of snap fastener supports per package or shipping container, as applicable, is more or less than required.

- * 4.3.5 Examination of shipping containers.- When boxes or shipping containers are required to be in accordance with PPP-B-566, PPP-B-636, PPP-B-665 or PPP-B-676, as applicable, examination for defects in closure, waterproofing, strapping or tape banding shall be in accordance with the appendix of the applicable specification.

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5. PREPARATION FOR DELIVERY

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

- * 5.1.1 Level A.- Unless otherwise specified (see 6.2), 2500 snap fastener supports of one class and finish only, shall be packed in a snug-fitting fiberboard box conforming to style RSC, type CF or SF, class domestic, variety optional, grade 200 of PPP-B-636. When specified, snap fastener supports in the quantities specified, not to exceed 2500, shall be packaged in a folding, metal-stayed or set-up paperboard box conforming to PPP-B-566, PPP-B-665, or PPP-B-676, respectively. The weight and dimensional limitations of the respective boxes shall apply. Closure of the fiberboard, folding or set-up paperboard boxes shall be in accordance with the appendix of the respective specifications. Closure of the metal-stayed box shall be in accordance with the appendix of PPP-B-676.
- * 5.1.2 Level C.- Snap fastener supports of one class and finish only shall be packaged to afford adequate protection against physical damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets this requirement.

5.2 Packing.- Packing shall be level A, B or C as specified (see 6.2).

- * 5.2.1 Level A.- Unless otherwise specified (see 6.2), 15,000 snap fastener supports of one class and finish only, packaged as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to V2s, style FTC of PPP-B-636, except that the weight limitations shall be waived. When specified, snap fastener supports, packaged as specified in 5.1, shall be packed in quantities not to exceed 15,000 in a snug-fitting fiberboard shipping container conforming to class weather-resistant of PPP-B-636. The weight and dimensional limitations of the container shall apply. Closure, waterproofing and reinforcing with flat strapping shall be in accordance with the appendix of the container specification.
- * 5.2.2 Level B.- Unless otherwise specified (see 6.2), 15,000 snap fastener supports of one class and finish only, packaged as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style FTC, type SF, class domestic of PPP-B-636, except that the weight limitations shall be waived. When specified, snap fastener supports, packaged as specified in 5.1, shall be packed in quantities not to exceed 15,000 in a snug-fitting fiberboard shipping container conforming to PPP-B-636. Closure shall be in accordance with the appendix of the container specification.
- * 5.2.2.1 When specified (see 6.2), the shipping container shall be a grade V3c, V3s or V4s fiberboard box fabricated in accordance with PPP-B-636 and closed in accordance with the appendix thereto.

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- * 5.2.3 Level C.- Snap fastener supports of one class and finish only, packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. Containers and packing shall comply with Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking.- In addition to any special marking required by the contract or order, interior packages and shipping container shall be marked in accordance with MIL-STD-129.

6. NOTES

- * 6.1 Intended use.- The snap fastener supports covered by this specification are intended to support the male portion of the snap fastener located between the pockets of double pocket magazines covered by MIL-P-1691, MIL-P-2343, and MIL-P-17863(MC).
- * 6.2 Ordering data.- Procurement documents should specify the following:
 - (a) Title, number and date of this specification.
 - (b) Class and finish of snap fastener support required (see 1.2).
 - (c) When a first article is required (see 3.1, 4.2, and 6.3).
 - (d) Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
 - (e) When V-board containers are required for level B shipments (see 5.2.2.1).
 - (f) Whether quantities per package or pack are other than specified (see 5.1.1, 5.2.1, and 5.2.2).
- * 6.3 First article.- When a first article is required, it shall be inspected and approved under the appropriate provisions of ASPR 7-104.55. The first article should be a preproduction sample consisting of one unit of each class and finish required. The contracting officer should include specific instructions in all procurement instruments regarding arrangements for inspection and approval of the first article.
- * 6.4 "Commercial dark" is intended to mean a nominally dark color, approaching black, but with permissible latitude as to shade and tone (e.g., bronze-tone black, blue tone black, dark gray).

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- * 6.5 The margins of this specification 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 suppliers are cautioned to evaluate the requirements of this document based on the entire content as written irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

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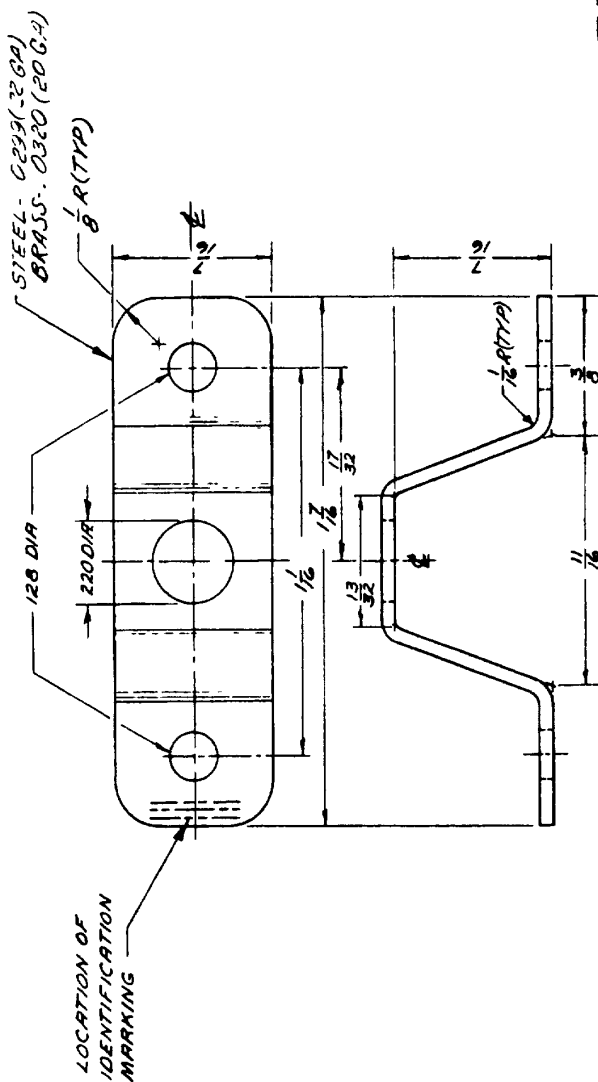
Preparing activity:

Army - GL
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User activities:

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REFERENCED IN PARAGRAPH 2.1 GOVERNS.

FIGURE- 1 SUPPORT FASTENER

UNLESS OTHERWISE STATED
FABRICATING TOLERANCES ARE
DECIMALS ± .005 WHOLE NUMBERS
AND FRACTIONS ± 1/32, DEGREES ±

SUPERSEDES DRS 4-1-11, REV 13 F CU 398

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
<p>INSTRUCTIONS 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. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
<p>SPECIFICATION</p> <p>SUPPORT, SNAP FASTENER MIL-S-1733C</p>		
<p>ORGANIZATION</p>		
<p>CITY AND STATE</p>		<p>CONTRACT NUMBER</p>
<p>MATERIAL PROCURED UNDER A</p> <p><input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1 HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</p> <p>A GIVE PARAGRAPH NUMBER AND WORDING</p>		
<p>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3. IS THE SPECIFICATION RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p>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)</p>		
<p>SUBMITTED BY (Printed or typed name and activity - Optional)</p>		<p>DATE</p>

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**NOTICE OF INACTIVATION
FOR NEW DESIGN**

INCH-POUND

**MIL-S-1733C
NOTICE 1
25 June 1996**

MILITARY SPECIFICATION

SUPPORT, SNAP FASTENER

**This notice should be filed in front of
MIL-S-1733C dated 6 December 1971.**

**MIL-S-1733C is inactive for new design and is no longer used except for
replacement purposes.**

Custodians:

Army -GL

Air Force - 99

Preparing activity:

DIA-IS

(Project 5325-0346)

AMSC N/A

FSC 5325

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