

<b>INCH-POUND</b>
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**A-A-59357****November 3, 1998****COMMERCIAL ITEM DESCRIPTION****FASTENERS, BELT; CLIPS, ENDS WITH HOOK: AND KEEPERS, SLIDE**

The General Services Administration has authorized the use of this commercial item description as a replacement for MIL-F-411 for all federal agencies.

**1. SCOPE.** This commercial item description covers belt fasteners, strap end clip with hooks, and slide keepers, which are intended for use on web belts and other equipage items.

**2. CLASSIFICATIONS.** The items shall be of the following types, styles, sizes, and construction as specified:

Type I - Fastener, Belt:

Construction A - Copper Alloy (Brass) Casting

Style 1. - 3-3/4 inch, male and female

Style 2. - 2-5/16 inch, male and female

Type II - Clip, End Strap with Hook:

Construction A - Brass Sheet and Copper Alloy Wire

Construction B - Steel Sheet and Copper Alloy Wire

Type III - Keeper, Slide:

Size 1 - 1 inch

Construction A - Brass Sheet

Construction B - Steel Sheet

Construction C - Brass Sheet

Construction D - Steel Sheet

Size 2 - 12-1/4 inch

Construction A - Brass Sheet

Construction B - Steel Sheet

Construction C - Brass Sheet

Construction D - Steel Sheet

Construction E - Steel Sheet

<p><b>Beneficial comments (recommendations, additions, deletions) any pertinent data which may be of use in improving this document should be address to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn: DSCP-FNS, 2800 South 20th Street, Philadelphia, PA 19145-5099.</b></p>
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AMSC N/A

FSC 8315

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**3. SALIENT CHARACTERISTICS.** The belt fasteners, end straps clips with hooks and slide keepers shall use the materials as specified in paragraph 3.2 and shall be constructed in accordance with the design, details and dimension as shown on figures 1, 2, 3a and 3b.

3.1 Fastener, Belt, (See Fig.1). The Type I, Style 1 and 2 fasteners shall be cast of copper alloy (brass).

3.1.1 Clip, End Strap with Hook, (See Fig.2). The construction A, body shall be stamped from 0.025 inch (22 gauge) brass sheet or strip. The construction B, body shall be stamped from 0.023 inch (24 gauge) steel sheet or strip. The construction A, hook shall be formed of 0.028 inch (8 gauge) copper alloy wire. The construction B, hook shall be formed of 0.020 inch (11 gauge) diameter steel wire. Hook ends shall be formed through a complete angle of 180 degrees.

3.1.2 Keeper, Slide, (See Figs.3a and 3b). The construction A and C keepers shall be fabricated of 0.040 inch (18 gauge) brass sheet or strip. The construction B, D and E keepers shall be fabricated of 0.035 inch (20 gauge) steel sheet or strip. At the option of the manufacturer, either construction A or C may be used for brass keeper and either construction B, D, or E, as applicable, may be used for steel keepers. Keepers shall be brazed or spot welded as applicable.

### 3.2 Materials:

#### 3.2.1 Copper alloy.

3.2.1.1 Copper alloy (brass) casting shall conform to type I, condition as cast, alloy A3 of ASTM B-22.

3.2.1.2 Brass, sheet or strip shall conform to copper alloy number 268, half-hard of ASTM B-36 or ASTM B-121.

3.2.1.3 Copper alloy wire shall conform to alloys numbers 260, 270, 274, half-hard of ASTM B-121, B-134 or B-159.

#### 3.2.2 Steel.

3.2.2.1 Steel, sheet or strip shall be cold, rolled, any temper and of commercially quality and shall conform to ASTM A-366.

3.2.2.2 Steel wire shall conform to AISI No. 1015, finish 1 and annealed in the process of ASTM A-853.

3.2.3 Enamel shall be a lead and chromate free, semigloss, alkyd enamel with a low (VOC) content of not more than 420grms /liter. The color shall be semigloss black No. 27038 of FED-STD-595.

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3.3 Finish. The brass belt fasteners, brass end clips with hooks and brass slide keepers shall be cleaned as specified in ASTM B-281, prior to the finish application, then given a black chemical finish 0.00005 through 0.0002 inches thick. The color shall be a semigloss black, No. 27038, in accordance with FED-STD-595. The steel end clips with hooks and steel slide keepers shall be cleaned using only cleaning methods for ferrous surfaces and then given a chromate treated zinc coating conforming to Type II of ASTM B-633, followed by baked enameling. The enamel used (See Para.3.2.3), shall dry to a smooth and uniform film free from runs, orange peel, wrinkles, or areas of no film.

3.4. Label/Marking. The label shall be as specified in the contract or purchase order. The belt fasteners, strap end clips with hooks and slide keepers shall be permanently and legibly marked for identification with the manufacture's name or trademark of such characters as to be identifiable with the manufacturer. The marking shall be made on the back surface of the belt fasteners, brass end clips with hooks and brass slide keepers in such a manner that the front surface shall show no signs of penetration, unevenness or cause distortion on any part of the belt fasteners, brass end clips with hooks and brass slide keepers. All marking shall be made prior to assembly and finishing.

**4. 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).

## **5. QUALITY ASSURANCE PROVISIONS**

5.1 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description and that product conforms to the producer's own drawings, specifications, standards and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

5.2 Visual examination. Each item shall be examined for the defects listed below:

DEFECTS. Not finished or finished not as specified; evidence of corrosion; Color not as specified; Finish not clean and uniform; area of no film; Separation of color or finish rough; Components not cast, stamped or formed to the proper shape; Poor workmanship; Any component part omitted; not properly assembled; Any part missing; fractured, split, bent, dented sprung or malformed; Holes (where required) missing in end clip with hook; Tongue of slide keeper is not formed as specified on drawing, when applicable; Not spot welded or brazed where required, weld or braze is fractured, crack, porous, incomplete or not fused; is undercut, metal is burned or damaged in welding or brazing, weld or braze is not smooth and uniform; Label missing, incorrect or illegible; measurement of item not as specified; Any dimension not within the specified tolerance; any items not packaged in accordance with contract or purchase order.

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5.3 Acceptance Criteria. Acceptance criteria shall be as specified in the contract or purchase order.

**6 PACKAGING.** The preservation, packing, and marking shall be as specified in the contract or order.

**7. NOTES**

7.1 Source of Government documents. Copies of military and Federal documents are available from:

Standardization Documents Order Desk  
Bldg. 4D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

7.2 Source of non-Government documents

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

(Applications for copies should be addressed to American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19426-2959)

AMERICAN IRON AND STEEL INSTITUTE (AISI)  
Steel Products Manual - Wire and Rods, Carbon Steel

(Applications for copies should be addressed to American Iron and Steel Institute, 150 East Forty-Second Street, New York, NY 10017)

**MILITARY INTERESTS**

Custodians:

Army - GL  
Navy - NU  
Air Force - 99

Review Activities:

Army - MD  
Navy - MC  
Air Force - 82

CIVIL AGENCY COORDINATING ACTIVITY:

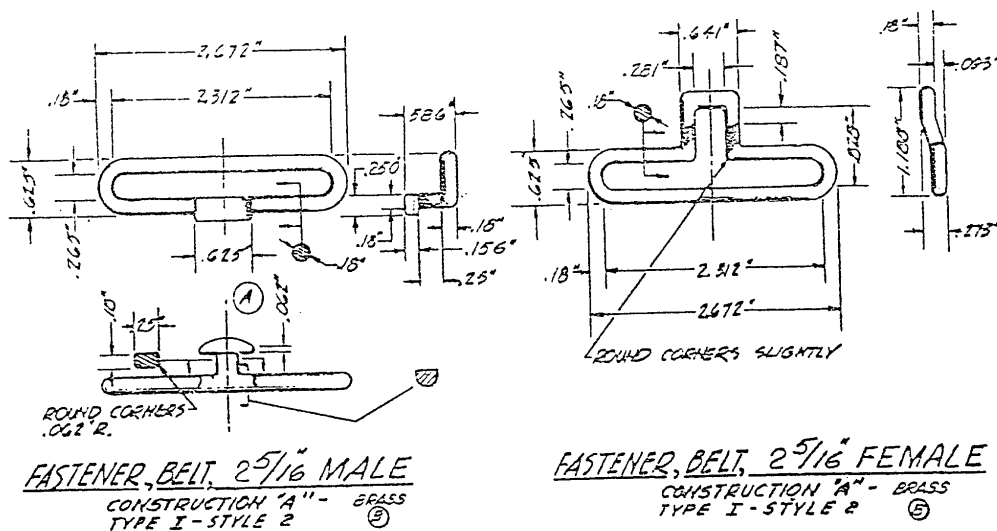
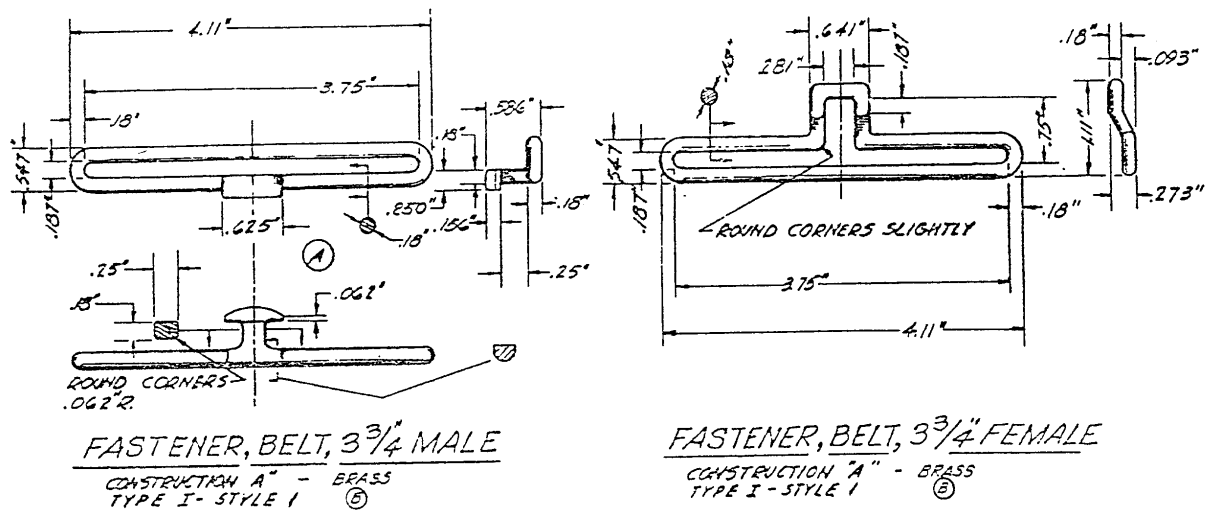
GSA - FSS

PREPARING ACTIVITY:

DLA - CT

Project Number  
8415-0378

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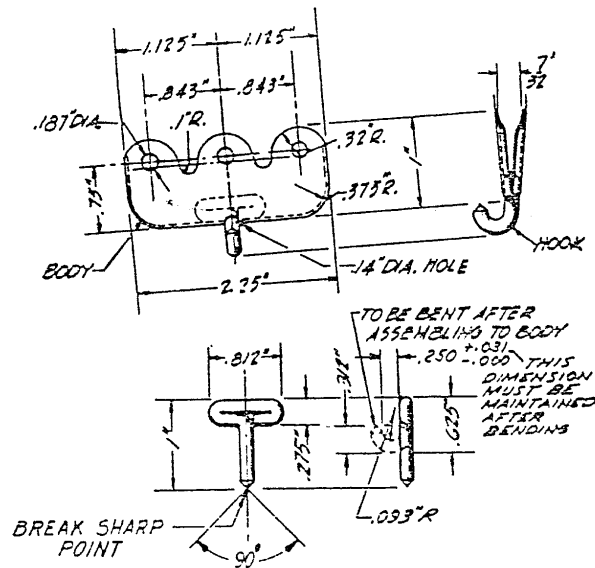
## NOTES:

1. Unless otherwise stated, fabrication tolerances are:  
Decimal  $\pm .015$ ", whole numbers and fraction  $\pm 1/32$ ", degrees  $\pm$
2. Swage to 0.16 maximum after forming is allowed.

FASTENER, BELT - TYPE I

FIGURE 1

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HOOK

CLIP END STRAP WITH HOOK

CONSTRUCTION "A" - BRASS  
 CONSTRUCTION "B" - STEEL  
 TYPE II

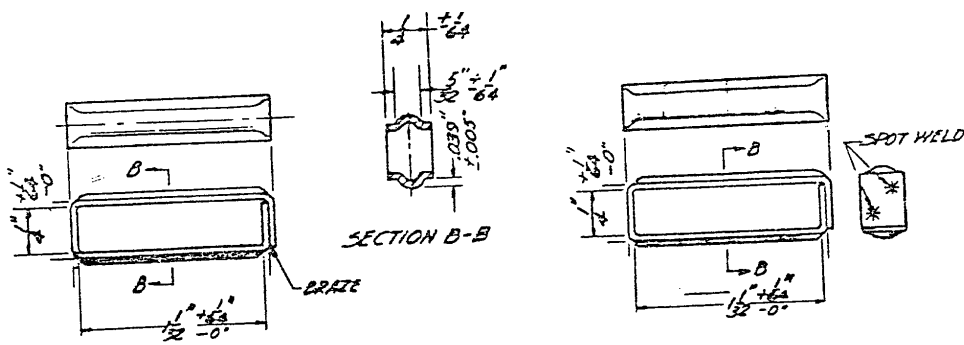
NOTES:

1. Unless otherwise stated, fabrication tolerances are:  
 Decimal  $\pm .015$ ", whole numbers and fraction  $\pm 1/32$ ", degrees  $\pm$
2. Swage to 0.16 maximum after forming is allowed.

CLIP, END AND STRAP W/ HOOK - TYPE II

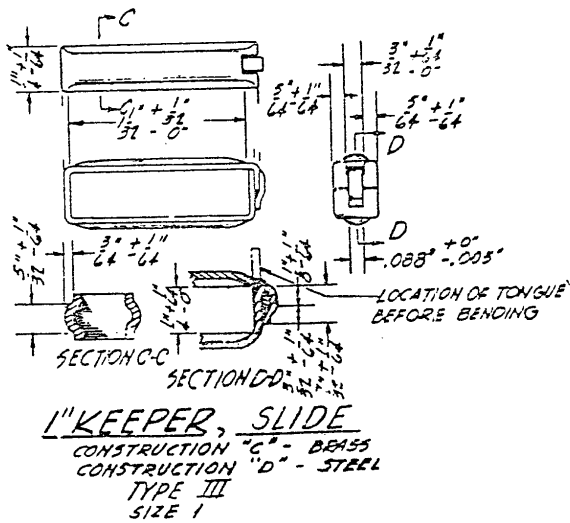
FIGURE 2.

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1" KEEPER, SLIDE  
CONSTRUCTION "A" - BRASS  
TYPE III  
SIZE I

1" KEEPER, SLIDE  
CONSTRUCTION "B" - STEEL  
TYPE III  
SIZE I



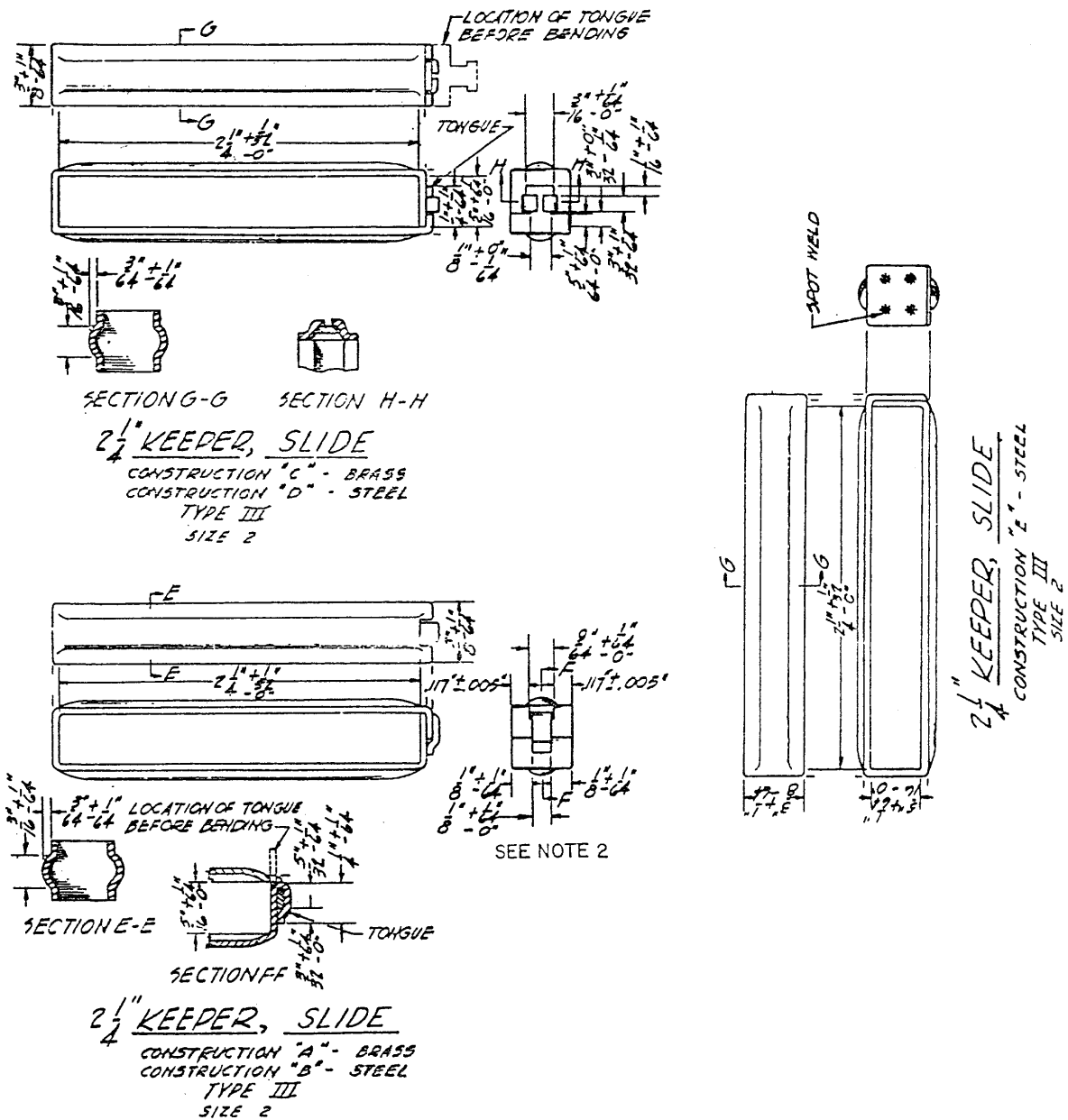
## NOTES:

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## KEEPERS, SLIDE - TYPE III

FIGURE 3a.

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KEEPERS, SLIDE - TYPE III

FIGURE 3b.