

MIL-H-43905B

20 February 1985

SUPERSEDING
(See Section 6)

MILITARY SPECIFICATION
HASPS, HIGH SECURITY PADLOCKS

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

1. SCOPE

1.1 Scope. This specification covers hasps and hasp T-Pin for high security padlocks.

1.2 Classification. The hasps shall be the following styles, as specified (see 6.2):

- Style 1 - Hasp, single door, right hand installation, flat wall.
- Style 2 - Hasp, single door, right hand installation, offset wall.
- Style 3 - Hasp, double sliding or open out doors.
- Style 4 - Hasp, single door, left hand installation, offset wall.
- Style 5 - Hasp, single door, left hand installation, flat wall.
- Style 6 - Hasp, universal.
- Style 7 - Hasp, locking "T".
- Style 8 - Hasp, right hand welded installation.
- Style 9 - Hasp, left hand welded installation.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: USA Belvoir Research and Development Center, ATTN: STRBE-DS, Fort Belvoir, VA 22060-5606 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified, the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation, form a part of this specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

PPP-B-566	- Boxes, Folding, Paperboard.
PPP-B-601	- Boxes, Wood, Cleated-Plywood.
PPP-B-636	- Boxes, Shipping, Fiberboard.
PPP-B-676	- Boxes, Setup.

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MIL-P-116	- Preservation, Methods of.
MIL-G-20241	- Gasket Material, Wool Felt, Impregnated, Adhesive, Pressure-Sensitive.
MIL-S-81733	- Sealing and Coating Compound, Corrosion Inhibitive.

STANDARDS

3f

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MIL-STD-105	- Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-129	- Marking for Shipment and Storage.
MIL-STD-889	- Dissimilar Metals.

2.1.2 Government drawings. The following Government drawings form a part of this specification to the extent specified herein.

DRAWINGS

ME

13226E6045	- Hasp Style Arrangements, High Security.
13226E6045-1A	- Hasp Style 1, STL, High Security.
13226E6045-1B	- Hasp Style 1, CRES, High Security.
13226E6045-2A	- Hasp Style 2, STL, High Security.
13226E6045-2B	- Hasp Style 2, CRES, High Security.
13226E6045-3A	- Hasp Style 3, STL, High Security.

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13226E6045-3B	- Hasp Style 3, CRES, High Security.
13226E6045-4A	- Hasp Style 4, STL, High Security.
13226E6045-4B	- Hasp Style 4, CRES, High Security.
13226E6045-5A	- Hasp Style 5, STL, High Security.
13226E6045-5B	- Hasp Style 5, CRES, High Security.
13226E6045-6A	- Hasp Style 6, STL, High Security.
13226E6045-6B	- Hasp Style 6, CRES, High Security.
13226E6045-7	- Hasp Style 7, STL, High Security.
13226E6045-8	- Hasp Style 8, CRES, High Security.
13226E6045-9	- Hasp Style 9, CRES, High Security.

(Copies of specifications, standards, and drawings required by contractors in connection with specific acquisition functions should be obtained from the contracting 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. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 3951 - Standard Practice for Commercial Packaging.

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

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

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

3. REQUIREMENTS

3.1 Description. The hasps shall be in accordance with 13226E6045, and as specified herein.

3.1.1 Drawings. The drawings forming a part of this specification are end product drawings. No deviation from the prescribed dimensions or tolerances is permissible without prior approval of the contracting officer. Where tolerances could cumulatively result in incorrect fits, the contractor shall provide tolerances within those prescribed on the drawings to insure correct fit, assembly, and operation of the hasp. Any data (e.g. shop drawings, layouts, flow sheets, processing procedures, etc.) prepared by the contractor or obtained from a vendor

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to support fabrication and manufacture of the production item shall be made available, upon request, for inspection by the contracting officer or the designated representative.

3.2 First article. When specified (see 6.2), a sample shall be subject to first article inspection (see 4.3 and 6.3).

3.3 Material. Material shall be as specified herein and on the drawing.

3.3.1 Material deterioration and control. The hasps shall be fabricated from compatible materials, inherently corrosion and deterioration resistant or treated to provide protection against the various forms of corrosion and deterioration that may be encountered in any of the applicable storage and operating environments to which the hasps may be exposed.

3.3.1.1 Dissimilar metals. Dissimilar metals, as defined in MIL-STD-889, shall be electrically insulated from one another to minimize or prevent galvanic corrosion. Insulation may be provided by an insulating barrier such as a corrosion inhibiting sealant conforming to MIL-S-81733 or chromate tape conforming to MIL-G-20241. Protection against corrosion could also be obtained by exclusion of the electrolyte if feasible.

3.3.1.2 Identification of materials and finishes. The contractor shall identify the specific material, material finish or treatment for use with components and sub-components, and shall make information available, upon request, to the contracting officer or designated representative.

3.3.2 Recovered materials. For the purpose of this requirement, recovered materials are those materials which have been collected from solid waste and reprocessed to become a source of raw materials, as distinguished from virgin raw materials. The components, pieces and parts incorporated in the hasp may be newly fabricated from recovered materials to the maximum extent practicable, provided the hasps produced meets all other requirements of this specification. Used, rebuilt or remanufactured components, pieces and parts shall not be incorporated in the hasps.

3.4 Installation instructions. Each hasp shall be furnished with a reproduced copy of the hasp installation instructions as shown on Drawing 13226E6066. The hasp installation instructions shall be legibly reproduced on not less than 2-7/8 inch by 4-7/8 inch white bond paper or a commercial shipping tag of the same dimensions.

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3.5 Alignment shim. The alignment shim used for the installation of all hasps, except style 7, shall conform to Drawing 13226E6065.

3.6 Detailed requirement.

3.6.1 Style 1, 2, 3, 4, 5, and 6 hasps. Style 1, 2, 3, 4, 5, and 6 hasps shall be carbon steel or stainless steel as specified (see 6.2).

3.6.2 Style 7 hasp. Style 7 hasp shall be carbon steel.

3.6.3 Style 8 and 9 hasps. Style 8 and 9 hasps shall be stainless steel.

3.7 Identification marking. In addition to the marking specified on the drawings, each hasp assembly shall be permanently and legibly stamped, on the carbon wire face adjacent to the wires, with the following:

The letters "US"
Manufacturer's name and trademark
Year of manufacture

The markings shall be located on the carbide wire face, adjacent to the wires.

3.8 Workmanship. The hasp shall be free from burrs, rough and sharp edges, and cracks. Installation instructions shall be complete and legible.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements 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 the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Component and material inspection. The contractor is responsible for insuring that components and materials used are manufactured, examined, and tested in accordance with referenced specifications and standards, as applicable.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.3).
- b. Quality conformance inspection (see 4.4).
- c. Inspection of packaging (see 4.6).

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4.3 First article inspection.

4.3.1 Examination. The first article shall be examined as specified in 4.5.1. Presence of one or more defects shall be cause for rejection.

4.4 Quality conformance inspection.

4.4.1 Sampling. Sampling for examination shall be in accordance with MIL-STD-105.

4.4.2 Examination. Samples selected in accordance with 4.4.1 shall be examined as specified in 4.5.1. AQL shall be 4.0 percent defective.

4.5 Inspection procedure.

4.5.1 Examination. The hasp shall be examined as specified herein for the following defects:

Major

101. Style not as specified.
102. Materials not as specified.
103. Materials are not resistant to corrosion and deterioration or treated to be made resistant to corrosion and deterioration for the applicable storage and operating environment.
104. Dissimilar metals not insulated from each other as specified.
105. Documentation not available for identification of material, material finishes or treatments.
106. Used, rebuilt or remanufactured components, pieces, or parts incorporated in the hasps.
107. Installation instructions missing or not legible.
108. Alignment shim missing.
109. Identification marking missing, incomplete or illegible.
110. Workmanship not as specified.

4.6 Inspection of packaging.4.6.1 Quality conformance inspection of pack.

4.6.1.1 Unit of product. For the purpose of inspection, a completed pack prepared for shipment shall be considered a unit of product.

4.6.1.2 Sampling. Sampling for examination shall be in accordance with MIL-STD-105.

4.6.1.3 Examination. Samples selected in accordance with 4.6.1.2 shall be examined for the following defects. AQL shall be 2.5 percent defective.

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- 111. Materials, methods and containers not as specified for level A or B. Each incorrect material, method or container shall be considered one defect.
- 112. Consolidation not as specified for level A.
- 113. Hasps of unlike style packed together for level A or B.
- 114. Gross weight or size exceeds that specified for level A or B.
- 115. Preservation and packing not in accordance with the referenced document specified for commercial.
- 116. Marking missing, illegible, incorrect, or incomplete for level A, B, or commercial.

5. PACKAGING

5.1 Preservation. Preservation shall be level A or commercial, as specified (see 6.2).

5.1.1 Level A. Each complete hasp assembly shall be preserved in accordance with MIL-P-116, method IC-2, using the contractor's standard commercial box or a close fitting box conforming to PPP-B-566 or PPP-B-676 as the unit container.

5.1.1.1 Consolidation. Ten hasps, of one style only, shall be consolidated together in a close fitting box conforming to PPP-B-636, W6c, style optional.

5.1.2 Commercial. Each complete hasp assembly shall be preserved in accordance with ASTM D 3951.

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

5.2.1 Level A. Hasps of one style only, preserved as specified in 5.1, shall be packed together in a close fitting box conforming to PPP-B-601, overseas type, style optional, in quantities not to exceed 200 pounds. Box closure and strapping shall be in accordance with the appendix to the box specification.

5.2.2 Level B. Hasps of one style only, preserved as specified in 5.1, shall be packed together in a close fitting box conforming to PPP-B-636, V3c, V11c, V13c, or V15c, style optional. The gross weight or size shall not exceed the limitations for the box specification.

5.2.3 Commercial. Hasps, preserved as specified in 5.1, shall be packed in accordance with ASTM D 3951.

5.3 Marking.

5.3.1 Military. Marking for military levels of protection (Level A or Level B) shall be in accordance with MIL-STD-129.

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5.3.2 Commercial. Marking for commercial packaging shall be in accordance with ASTM D 3951; in addition, weight and cube of the pack shall be marked on the shipping container.

6. NOTES

6.1 Intended use. This specification covers eight hasps and one hasp T-Pin used with high security padlocks. Hasp styles 1 through 6 are intended for installation with either fasteners or welding, style 7 is a locking pin, while styles 8 and 9 are intended for installation by welding only.

6.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number and date of this specification.
- b. Style of hasp required (see 1.2).
- c. When a first article is required for inspection and approval and the number of units required (see 3.2).
- d. Type steel required (see 3.6.1).
- e. Degree of preservation and degree of packing required (see 5.1 and 5.2).

6.3 First article. When a first article inspection is required, the item should be a preproduction model. The first article should consist of one or more units. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, test and approval of the first article.

6.4 Supersession data. This specification supersedes MIL-H-43905A, dated 23 December 1975; MIL-H-43905/1A, dated 29 June 1976; MIL-H-43905/2A, dated 29 June 1976; MIL-H-43905/3A, dated 29 June 1976; MIL-H-43905/4A, dated 29 June 1976; MIL-H-43905/5A, dated 29 June 1976; MIL-H-43905/6A, dated 29 June 1976; MIL-H-43905/7, dated 23 December 1975; MIL-H-43905/8, dated 23 December 1975; and MIL-H-43905/9, dated 23 December 1975.

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Custodians:

Army - ME
Navy - YD
Air Force - 99

Preparing activity:

Army - ME
Project 5340-1499

Review activities:

Army - ER, GL
Navy - SH, NP, OS
Air Force - 82
DLA - IS

User activities:

Army - AR, CE
Navy - AS, CG, MC

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MIL-H-43905B**2. DOCUMENT TITLE**
Hasps, High Security Padlocks**3a. NAME OF SUBMITTING ORGANIZATION****4. TYPE OF ORGANIZATION (Mark one)**☐ **VENDOR**☐ **USER**☐ **MANUFACTURER**☐ **OTHER (Specify):** _____**b. ADDRESS (Street, City, State, ZIP Code)****5. PROBLEM AREAS****a. Paragraph Number and Wording:****b. Recommended Wording:****c. Reason/Rationale for Recommendation:****6. REMARKS****7a. NAME OF SUBMITTER (Last, First, MI) - Optional****b. WORK TELEPHONE NUMBER (Include Area Code) - Optional****c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional****8. DATE OF SUBMISSION (YYMMDD)****DD FORM 1426**
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