

MIL-P-17802D

3 December 1975

SUPERSEDING

MIL-P-17802C

31 July 1972

MILITARY SPECIFICATION

PADLOCKS AND PADLOCK SETS, LOW SECURITY, KEY

OPERATED, REGULAR (OPEN) SHACKLE

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

1. SCOPE

1.1 This specification covers key operated, pin tumbler, dead-bolt padlocks for military use, keyed individually or alike.

1.2 Classification. The padlocks and padlock sets covered by this specification shall be of the following grades, styles, classes, types and sizes as specified (see 6.2).

| | |
|-----------|---|
| Grade I | - Brass or bronze shackle and case |
| Grade II | - Hardened steel shackle and steel case |
| Grade III | - Hardened steel shackle and brass or bronze case |
| Style A | - Regular shackle |
| Style B | - Long shackle |
| Class 1 | - Keyed individually |
| Type A | - Individual lock (no master keying) |
| Type B | - Master keyed sets <u>1/</u> |
| Type C | - Grandmaster keyed sets <u>1/</u> |
| Class 2 | - Keyed alike <u>1/</u> |
| Sizes | - See MS 21313 and MS 35647 |

1/ Applicable to grade I only.

Each style may be furnished with clevis and chain attachments (see 3.3.5).

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:

FSC 5340

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SPECIFICATIONS

FEDERAL

- QQ-B-637 - Brass, Naval, Rod, Wire, Shapes, Forgings, and Flat Products with Finished Edges (Bar, Flat Wire, and Strip).
- QQ-B-626 - Brass, Leaded and Non-Leaded: Rod, Shaped, Forgings, and Flat Products with Finished Edges (Bar and Strip).
- QQ-C-320 - Chromium Plating (Electrodeposited).
- QQ-C-390 - Copper Alloy Castings (Including Cast Bar).
- QQ-P-416 - Plating, Cadmium (Electrodeposited).
- QQ-W-321 - Wire, Copper Alloy.
- RR-C-271 - Chains and Attachments, Welded, Weldless, and Roller Chain.
- SS-G-659 - Graphite, Dry (Lubricating).
- TT-L-58 - Lacquer; Spraying, Clear and Pigmented (General Interior Use).
- PPP-B-566 - Boxes, Folding, Paperboard.
- PPP-B-601 - Boxes, Wood, Cleated Plywood.
- PPP-B-621 - Boxes, Wood, Nailed and Lock-Corner.
- PPP-B-636 - Boxes, Shipping, Fiberboard.
- PPP-B-676 - Boxes, Setup, Paperboard.

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- MIL-M-7866 - Molybdenum Disulfide, Technical, Lubrication Grade.
- MIL-L-10547 - Liners, Case, Waterproof.
- MIL-B-12128 - Brass, Sintered; Structural Parts.

STANDARDS

FEDERAL

- FED-STD-356 - Commercial Packaging of Supplies and Equipment.

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- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
- MIL-STD-129 - Marking for Shipment and Storage.
- MS 21313 - Padlock Sets - Individually Keyed and Keyed Alike.
- MS 35647 - Padlock, Key Operated.

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(Copies of specifications, standards, drawings and publications required by contractors 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 document forms 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:

American Society for Testing and Materials (ASTM)

E 18 - Methods of Test for Rockwell Hardness and Superficial Hardness of Metallic Materials

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

(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.** The supplier shall furnish five sample padlocks for first article test and approval (see 4.2 and 6.3).

3.2 Materials. Materials not definitely specified shall be of the quality used by the manufacturer in his production of padlocks provided the finished specified padlock complies with all the provisions of this specification.

- * **3.2.1 Grade I padlocks.** Padlock components except attachments (see 3.3.5) and springs (see 3.2.2), shall be made of brass or bronze conforming to the requirements of any of the following: QQ-B-626; QQ-B-637; QQ-C-390; or MIL-B-12128, medium density, composition 3. Nickel silver may be used in the manufacture of tumbler pins and keys.

3.2.2 Springs. The padlock springs shall be made from phosphor-bronze conforming to spring temper of QQ-W-321.

- * **3.2.3 Grade II padlocks.** The case of the grade II padlocks shall be made of corrosion-resisting steel, carbon steel, or alloy steel. The padlock shackle for grade II padlocks shall be made of heat treatable steel.

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- * 3.2.4 Grade III padlocks. All components, except the shackle shall conform to the material requirements in 3.2.1. The shackle of grade III padlocks shall be made of a heat treatable steel.

3.3 Construction. The grade I, II and III padlocks shall conform to the configuration and dimensions shown in MS 21313 and MS 35647, as applicable. Major component parts of the padlock, are illustrated in figure 1.

3.3.1 Shackles. The shackle shall have cutaways at both toe and heel for mating with the locking bolt. Shackles, in the assembled padlock shall resist tension loads as follows when tested as specified in 4.4.1:

500 pounds for the 1-1/8 inch size
800 pounds for the 1-1/2 inch size
1,000 pounds for the 1-3/4 inch size

The grade I shackle shall have a minimum hardness of 40 on the Rockwell B scale and the grade II and III shackles shall have a hardness range of 50-55 on the Rockwell "C" scale (or equivalent), when tested as specified in 4.4.2.

- * 3.3.2 Case. The case shall contain the locking mechanism, keyway plug, and shackle legs. When the case is completely assembled, (unlocked position) it shall have no openings other than the keyway and the shackle toe opening except that drainage holes in the base, are permitted. These holes shall not exceed 0.093 inch diameter. Drainage holes shall not provide access to pin tumblers, locking bolts, or plug retainer. The case for grade II padlocks may be of solid or brazed laminated construction, (see figure 1). The case shall have a hardness range of 40 to 50 on the Rockwell "C" scale (or equivalent), when tested as specified in 4.4.2.

- * 3.3.3 Mechanism, grades I, II and III. The padlock mechanism for grade I, II and III padlocks shall be of the pin tumbler type, key operated. There shall be four or more pin tumblers for 1-1/8 inch size padlocks, five or more pin tumblers for 1-1/2 inch size padlocks, and five or six pin tumblers for the class 1, type A, and class 2 1-3/4 size padlocks. There shall be six or more pin tumblers for the class 1, type B, and type C 1-3/4 inch size padlocks. Pins and plug shall be closely fitted to provide the number of key changes specified in 3.3.6.4. The plug shall be securely fastened within the case to preclude forcible separation or opening of the padlock without mutilation (see 4.4.6). The method of securing the locking mechanism within the case shall not be visible externally. The key shall not be removable from the padlock when the shackle is in the open position. Unless otherwise specified (see 6.2), a spring for actuating the shackle is required. The padlock mechanism shall resist attempts to pick and bypass for the following times when tested as specified in 4.4.1:

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Minimum elapsed time

| | |
|--------------------|------------|
| Individually keyed | 60 seconds |
| Master keyed | 50 seconds |
| Grandmaster keyed | 40 seconds |

3.3.4 Locking bolt. At the supplier's option, the locking mechanism shall be the single or dual deadbolt type, and shall engage the shackle at toe and heel, or shall be solely dead-bolted at one end and latch bolted at the other. The dead bolt may be of one or two piece construction. It shall not depend on spring action to hold the bolt in locked position. End pressure on the dead bolt, when exerted by a burglar's tool known as a "shim" or "sneaker", shall not move it (see 4.4.1) (see figure 2). Other styles and construction which meet the requirements and test are acceptable.

3.3.5 Attachments. When specified (see 6.2), the padlock shall be supplied with attached chain (see 3.3.5.1) and clevis (see 3.3.5.2).

3.3.5.1 Chain. The chain shall conform to RR-C-271, and shall be either a weldless double loop chain, type II, class 2 (minimum wire diameter .072), or a weldless safety chain, type II, class 6 (minimum metal thickness .028). The chain length shall be 9 inches, plus or minus one link. Chain shall be brass for grade I padlocks and zinc coated steel for grades II and III padlocks.

3.3.5.2 Clevis and rivet. The chain shall be secured to the padlock with a clevis and rivet of the same material and finish as the chain. The clevis shall be securely attached with a rivet in a manner that will not interfere with the operation of the locking mechanism. The clevis shall be attached either to the case or shackle as shown in MS 21313 or MS 35647, as applicable.

3.3.6 Keying.

3.3.6.1 Keys. All keys shall have a minimum hardness of 75 on the Rockwell B scale (see 4.4.2). Identical keys for each padlock shall be joined with a steel wire ring not less than 1/2 inch in diameter; the wire shall be at least 0.032 inch in diameter. Individually keyed padlocks, shall be supplied with two keys. Individually keyed padlock sets shall be supplied with the number of keys as specified (see 6.2). Individual padlocks shall be opened only by keys identified by the same code designation; master keyed padlocks shall be opened only by their respective individual and master keys; grand-master keyed padlocks shall be opened only by their respective individual, master and grandmaster keys. Padlocks shall be subjected to key manipulation or key interchange as defined by paragraph 3.3.6.6. Keyed alike padlock sets

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shall be furnished with number of keys as specified (see 6.2). The keys of the keyed alike padlocks shall operate all padlocks contained in the set, but shall not operate the padlocks of any other set (see 4.4.3). Padlock sets shall be keyed individually or keyed alike as specified (see 6.2).

3.3.6.2 Master keys. When specified (see 6.2), two master keys shall be supplied with each group or set of master keyed padlocks. The master key shall open all padlocks in the master keyed group, but it shall not open any of the padlocks of another master keyed group in the same grandmaster keyed padlock set.

3.3.6.3 Grandmaster keys. When required (see 6.2), master keyed padlock groups shall be grandmaster keyed. Two grandmaster keys shall be supplied with each set of grandmaster keyed padlocks.

3.3.6.4 Key changes. Individually keyed padlocks shall have key changes as follows:

| | | |
|-----------------|---|--------------------|
| 1-1/8 inch size | - | 3000 key changes |
| 1-1/2 inch size | - | 5000 key changes |
| 1-3/4 inch size | - | 10,000 key changes |

3.3.6.5 Individually keyed padlock sets. Padlock sets of the same lot (see 4.3.2) shall be operated only by their own individual keys, master keys and grandmaster keys. The use of more than one keyway design for noninterchangeability is acceptable.

3.3.6.6 Key integrity. Individually keyed and keyed alike padlock sets shall not be operable by keys other than those designed to operate them (see 4.4.3).

3.4 Operation. The padlock mechanism shall operate smoothly when the appropriate key is inserted and turned in the padlock. The plug shall turn without wedging of key in the keyway upon application of two (2) inch pounds of torque in releasing the shackle when initially tested and after 2000 cycles as specified in 4.4.4.

3.5 Lubricant. Padlocks shall be lubricated with molybdenum disulfide conforming to MIL-M-7866, or graphite conforming to SS-G-659.

3.6 Finish, coating, and plating.

3.6.1 Finish. Prior to application of a coating, all exterior surfaces shall have a smooth finish. Sharp exterior edges and burrs shall be removed. The case surface shall have a smooth finish or for laminated construction, a tumbled finish.

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3.6.2 Coating. The exterior of the grades I and III padlock shall be coated with a clear lacquer in accordance with TT-L-53. The padlock surface shall be clean before and after application of the coating.

3.6.3 Plating. The steel padlock cases, steel shackles, except when fabricated from corrosion-resisting steel, shall be cadmium electroplated to conform to type I, class 3 of QQ-P-416 or chromium electroplated to conform to QQ-C-320.

3.7 Padlock and key marking. The letters "U.S." and the word "Set", when applicable, and the name or trademark of the manufacturer shall be legibly stamped, rolled, or cast on each padlock (see MS 21313 or MS 35647, as applicable). A noncommercial code number shall be legibly stamped in a distinctive manner on the keys only. The manufacturer shall use a blind key change system which shall be so arranged that the numbers or letters stamped on the keys shall bear no relation to the bitting of the key. The code system shall indicate to the manufacturer that it pertains to a government padlock. The markings on keys of a set shall be such as to establish them as belonging to the set (see figure 4).

3.8 Workmanship. The finished padlock and padlock set shall conform to the quality and grade of product established by this specification. The occurrence of defects shall not exceed the applicable acceptable quality levels.

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. The first article padlocks shall be examined for defects listed in 4.3.2.1, table I, dimensions specified, and tested in accordance with 4.4.1 thru 4.4.6. The presence of any visual defect, any dimension not within specified requirements, or failure to pass any test shall be 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.

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4.3.1 Component and material inspection and testing. In accordance with 4.1 above, components and materials shall be inspected and tested in accordance with all requirements of referenced specifications, drawings and standards unless otherwise excluded, amended, modified or qualified in the specification or applicable purchase document.

- * 4.3.1.1 Certification. The supplier shall certify that the pin tumbler mechanism and locking bolt conform to 3.3.3 and 3.3.4, respectively. In addition, the supplier shall certify that the padlocks and padlock sets meet the key change requirements in 3.3.6.4.

4.3.1.2 Process inspection. Inspection shall be made during the manufacturing process to determine compliance with 3.5 and 3.6. Whenever nonconformance is noted, correction shall be made to the affected items and process.

- * 4.3.2 End item inspection. A lot shall consist of all the padlocks and keys of the same grade, style, class, type and size offered for inspection at one time. The sample unit shall be one padlock. At no time shall the inspection lot exceed 25,000 padlocks.

4.3.2.1 Visual examination. The complete padlock and key shall be examined for defects classified in table I. The inspection level shall be S-3 with an acceptable quality level (AQL) of 2.5 for major defects and 4.0 for total defects, expressed in terms of defects per hundred units.

TABLE I. Classification of defects

| Examine | Defects | Classification | |
|-------------------------|---|----------------|-------|
| | | Major | Minor |
| Coating and plating | Not lacquered or electroplated as applicable, except when fabricated of corrosion-resisting steel | | X |
| Design and construction | Part broken, split, fractured or cracked | X | |
| | Not type, grade, class, style, or size specified | X | |
| | Sharp edge, burr, or sliver | X | |
| | Method of securing locking mechanism is visible externally | X | |
| | Not material specified | X | |
| | Home, other than specified | X | |
| | Shackle not spring actuated (except when not required) | X | |
| | | | |

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TABLE I. Classification of defects (cont'd)

| Examine | Defects | Classification | |
|------------------------------------|--|----------------|-------|
| | | Major | Minor |
| Design and construction (cont'd) | Key sticks or binds when inserted, turned or removed from padlock cylinder | X | |
| | Shackle sticks or binds when opening or closing | X | |
| Chain and clevis (when applicable) | Not attached securely | X | |
| Keys | Identical keys not joined by wire ring | | X |
| | Amount of identical keys not as specified | X | |
| | Identification number missing | X | |
| Master and grandmaster keys | Quantity not as specified | X | |
| Identification marking | Missing, illegible, incorrect or incomplete | | X |

4.3.2.2 Dimensional examination. Inspection shall be made of the end item for compliance with dimensions specified (see 3.3). Any deviation from specified requirements shall constitute a defect. The inspection level shall be S-2 with an AQL of 4.0, expressed in terms of defects per hundred units.

4.3.2.3 End item testing. The production end items shall be tested in accordance with 4.4.1 through 4.4.6. Tests in 4.4.1 through 4.4.4 shall be conducted before the tests in 4.4.5 and 4.4.6. Tests in 4.4.1 and 4.4.3 shall be conducted by the Government representative. The test in 4.4.4 shall be conducted by the contractor under the surveillance of the Government representative, who shall make such verifications as deemed necessary to assure that padlocks conform to prescribed requirements. The inspection level shall be S-2. The failure of any test shall be cause for rejection of the entire lot.

4.3.3 Examination of preparation for delivery. An examination shall be made to determine that packaging, packing and marking as required by section 5 are complied with. Defects shall be as indicated in table II. The sample

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unit shall be one shipping container fully prepared for delivery. The lot shall be all of the containers offered for inspection at one time. The inspection level shall be S-2 and the AQL shall be 4.0, expressed in terms of defects per hundred units.

TABLE II. Examination of preparation for delivery

| <u>Examine</u> | <u>Defects</u> |
|---------------------------------|---|
| Markings, exterior and interior | Omitted; incorrect; illegible; of improper size, location, sequence, or method of application. |
| Materials | Components missing or damaged. |
| Workmanship | Inadequate application of components, such as interior boxes not securely closed or bulging or distorted. |
| Contents | Weight per shipping container is more than specified. |

4.3.3.1 Examination of shipping containers. Examination for defects in closure and strapping of shipping containers shall be in accordance with the appendix of the applicable container specification.

4.4 Tests.

- * 4.4.1 Picking and bypassing test. This test shall be conducted by the US Army Natick Development Center, Natick, MA 01760, as part of the first article testing, and by the Government representative as part of the production lot end item testing. The padlock shall be tested with the padlock shackle locked to a hasp, and fastened to a solid upright member, to determine compliance with 3.3.3 and 3.3.4. Picking and bypassing shall be restricted to manual methods including shim or sneakers. The padlock dead-bolt end shall withstand any pressure exerted by shims or sneakers to move in the elapsed time specified as follows:

Minimum elapsed time

| | |
|--------------------|------------|
| Individually keyed | 60 seconds |
| Master keyed | 50 seconds |
| Grandmaster keyed | 40 seconds |

Any padlock opened in less than minimum elapsed time shall constitute failure of this test.

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- * 4.4.2 Hardness test. Tests for hardness of the shackles, cases and keys shall be performed in accordance with ASTM E 18 to determine compliance with 3.3.1, 3.3.2, and 3.3.6.1. Three readings on each item shall be taken. Any reading not within limits specified shall constitute failure of this test.
- * 4.4.3 Key integrity test. Padlocks shall be tested for key integrity by using all the keys from all the locks in the sample. Each key shall be inserted into each sample lock to full depth. Keys shall be manipulated by applying torsional pressure as they are slowly withdrawn from the keyway. Each sample padlock shall withstand the test for a minimum of one minute to determine compliance with 3.3.6.1 and 3.3.6.6. Any padlock that can be opened by a key other than a key designated to operate the lock shall constitute failure of this test.
- * 4.4.4 Operational test. The padlock shall be key operated a minimum of 2000 times. Each cycle of operation shall include insertion and removal of the key. The padlock shall show no indication of wedging of the key in the keyway or the need for more than two (2) inch pounds of torque to turn the plug and unlock the shackle, (see 3.4). Any indication of wedging of the key or undue force in turning the key shall constitute failure of this test.
- * 4.4.5 Tensile test. One padlock shall be subjected to the tensile test. The body of the padlock shall be held in a device bearing against the top surface of the case without interfering with the shackle (see figure 3). The required tension shall be applied at the rate of 200 pounds per minute along the vertical center line of the padlock so as to put a direct and equal tension on each leg of the shackle to determine compliance with 3.3.1. Pulling any shackle out of the locked position or the appearance of flaws or cracks on the shackle shall constitute failure of this test.
- * 4.4.6 Plug security test. The plug of the padlock shall be subjected to impact, jarring, torquing, and prying (see 3.3.3). Removal of the plug from the locked padlock or without evidence of mutilation shall constitute failure of this test. Tools shall be limited to plastic or rawhide hammers not over 3/4 pounds in weight and torquing or pry bars not over 12 inches in length.

5. PREPARATION FOR DELIVERY

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

5.1.1 Level A.

5.1.1.1 Unit packaging.

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- * 5.1.1.1.1 Individual padlocks. Each padlock shall be packaged in a folding or setup paperboard box conforming to variety, style, type, and class optional of PPP-B-566 or PPP-B-676. Keys shall be packaged in the same box as the padlock. Each box shall be closed and sealed in accordance with the applicable box specification.
 - * 5.1.1.1.2 Padlock sets. Each padlock of a set shall be individually packaged as specified in 5.1.1.1.1. Identification is not required for the individual padlock of a set. The packaged padlocks shall then be packaged as a set in fiberboard, folding, or setup box conforming to variety, style, type, and class optional or PPP-B-636, PPP-B-566, or PPP-B-676, respectively. Each box shall be closed and sealed in accordance with the applicable box specification. Master keys (see 5.1.1.1.4), or additional keys shall be included in the unit package. The gross weight of the paperboard boxes shall not exceed 10 pounds.
 - * 5.1.1.1.3 Padlock sets containing groups. Each padlock of a group shall be individually packaged as specified in 5.1.1.1.1. Identification is not required for the individual padlock of a group. Each group of a padlock set shall then be packaged in a commercial box with applicable master keys (see 5.1.1.1.4). Each commercial box shall be identified by the quantity of padlocks in the box. The groups comprising the set, with the sets grandmaster keys (see 5.1.1.1.4) shall then be packaged together in a snug-fitting fiberboard box conforming to class domestic of PPP-B-636. Each box shall be closed and sealed in accordance with PPP-B-636.
 - * 5.1.1.1.4 Master keys. Master keys and grandmaster keys for padlocks in groups and sets shall be placed in properly identified sealed envelopes. The envelopes shall be placed in the appropriate group or set container.
 - * 5.1.1.2 Intermediate packaging. Twelve individual padlocks of like description, unit packaged as specified in 5.1.1.1.1, shall be packaged in a snug-fitting fiberboard, folding, or setup box conforming to variety, style, type, and class optional of PPP-B-636 class domestic, PPP-B-566, or PPP-B-676, respectively. Each box shall be closed and sealed in accordance with the applicable box specification. The gross weight of the paperboard boxes shall not exceed 10 pounds. Padlock sets do not require intermediate packaging.
 - * 5.1.2 Commercial packaging. Each padlock shall be packaged in accordance with FED-STD-356.
- 5.2 Packing. Packing shall be level A, B or Commercial, as specified (see 6.2).
- * 5.2.1 Level A. Padlocks or padlock sets of like description only, packaged as specified in 5.1. shall be packed in a snug-fitting cleated

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plywood, nailed wood, or fiberboard shipping container conforming to overseas type of PPP-B-601, class 2, style 2 or 4 of PPP-B-621, or style RSC, V3s of PPP-B-636, respectively. Gross weight of containers conforming to PPP-B-601 and PPP-B-621 shall not exceed 200 pounds. Gross weight of containers conforming to PPP-B-636 shall not exceed 50 pounds. Wood containers shall be provided with a type I or II, grade C case liner conforming to MIL-L-10547 and closure and strapping shall be in accordance with the applicable container specification. Fiberboard shipping containers shall be closed, waterproofed by means of tape, and reinforced with flat strapping or tape banding in accordance with PPP-B-636.

- * 5.2.2 Level B. Padlocks or padlock sets of like description only, packaged as specified in 5.1, shall be packed as specified in 5.2.1, except that the shipping container shall conform to domestic type, style A or B of PPP-B-601, class 1, style 2 or 4 of PPP-B-621, or style RSC, type CF, variety SW, or type SF, class domestic of PPP-B-636, and case liner shall not be required. Fiberboard shipping containers shall be closed in accordance with method II of the appendix of PPP-B-636.

5.2.2.1 When specified (see 6.2), the fiberboard shipping container shall be V3c, V3s, or V4s, fabricated and closed in accordance with PPP-B-636.

- * 5.2.3 Commercial packing. Padlock packaged as specified in 5.1, shall be packed in accordance with FED-STD-356.

5.3 Marking.

- * 5.3.1 Military (level A and B). In addition to any special marking required by the contract or order, unit and intermediate packages shall be marked in accordance with MIL-STD-129. Shipping containers shall be marked in accordance with MIL-STD-129 except that marking of "ITEM NAME" shall be omitted from the exterior package surfaces.
- * 5.3.2 Commercial. In addition to any special marking required by the contract or order, unit and intermediate packages shall be marked in accordance with FED-STD-356. Shipping containers shall be marked in accordance with FED-STD-356 except that marking of "NOUN NOMENCLATURE" shall be omitted from the exterior package surface.

5.3.3 Special marking. The unit package containing a set of padlocks shall be sealed and stenciled with the following legend:

"IMPORTANT - TO BE OPENED BY AUTHORIZED PERSONNEL ONLY."

Letters shall be 1/4 inch high, red or black, and be so located on the box that opening of box will destroy legend.

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6. NOTES

6.1 Intended use. This specification covers padlocks for general, low Military security, where a primary means of security is provided.

6.2 Ordering data. Procurement documents should specify the following information, as applicable:

- (a) Title, number and date of this specification.
- (b) Grade, style, class, type, size, attachments, and MS part No. required (see 1.2 and 3.3.5).
- (c) When a spring is not required to actuate the shackle (see 3.3.3).
- (d) Quantity of keys required for individually keyed padlock sets and quantity of keys required for keyed alike padlock sets (3.3.6.1).
- (e) Whether keyed individually padlock sets or keyed alike padlocks are required (see 3.3.6.1).
- (f) When two master keys are required with each group or set of master keyed padlocks (see 3.3.6.2).
- (g) When master keyed groups are required to be grandmaster keyed (see 3.3.6.3).
- (h) Selection of applicable levels of packaging and packing (see 5.1 and 5.2).

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 for first article approval - Government testing.

- * 6.3.1 The first article should consist of five padlocks selected at random from the first 100 padlocks produced. First article test approval received on padlocks within one size, grade, style and class may be offered to the contracting officer as the basis for requesting waiver of first article testing of any padlock or padlock set of similar size, grade, style and class.
- * 6.3.2 The purchasing contracting officer shall include specific instructions in all procurement instruments regarding arrangements for inspection and approval of first article.

6.4 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

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of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Army - GL
Navy - SH
Air Force - 82

Preparing activity:

Army - GL
Project No. 5340-1097

Review activities:

Army - WC
Navy - YD
DSA - IS

User activity:

Navy - CG

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