

METRIC

A-A-52608

April 3, 1996

SUPERSEDING

MS53077

15 July 1964

## COMMERCIAL ITEM DESCRIPTION

### BOX, STOWAGE, VEHICULAR ACCESSORIES

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

#### 1. SCOPE

1.1 Scope. This CID covers a box used to store vehicular accessories.

#### 2. SALIENT CHARACTERISTICS

2.1 Materials. The material used for the box shall be equivalent in strength to 1.5 millimeter (mm) (0.06 inch) thick low carbon steel. All metals shall provide corrosion resistance equivalent to or better than 1008 galvanized steel with a minimum zinc thickness of 0.02 mm ( $7.5 \times 10^{-4}$  inch). Recovered materials shall be used to the maximum extent practicable (see 3.1).

2.2 Design and construction. The form and dimensions of the box shall conform to figure 1. The box shall be watertight.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000.

AMSC N/A

FSC 2540

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2.2.1 Seal. The seal shall be capable of maintaining a watertight integrity within the box when the cover is secured with the latch. The seal shall be cemented to the cover after final surface treatment, employing an adhesive suitable to the material being used for the box.

2.2.2 Latch. The latch shall be capable of keeping the cover closed tightly during all operating conditions, including operation over rough terrain. The latch shall include a tab with a hole, as shown in figure 1, to enable the insertion of a lock or other securing device.

2.3 Surface treatment. The surfaces of the box shall be cleaned, pretreated, primed, and painted, as applicable, for the material being used.

2.3.1 Weld primer. When spot welding is necessary, the faying surfaces shall be primed with an epoxy based, zinc rich primer of use on metal surfaces before spot welding.

2.3.2 Pretreatment. When low carbon steel is used for the box material, the surfaces shall be pretreated with a zinc phosphate spray or immersion application, or an aqueous iron phosphate application.

2.3.3 Primer. Metal surfaces shall be primed with a quick drying, corrosion inhibiting, high solids, alkyd primer for pretreated metals. The primer shall be lead and chromate free and contain no more than 420 grams per liter (56 ounces per gallon) of volatile organic compounds (VOC).

2.3.4 Paint. Metal surfaces shall be painted with an air drying, semigloss, alkyd enamel for use on primed exterior. The enamel shall be lead and chromate free and meet air pollution requirements for solvent emissions. The color shall be specified by the procuring activity in accordance with FED-STD-595 (see 6.1).

2.4 Identification marking. Unless otherwise specified (see 6.1), the marking on the box shall include the manufacturer's identification code (CAGE), the contract number, the national stock number (NSN), and the part identification number (PIN) AA52608-1 (see 6.1). The marking shall be permanent and legible.

2.5 Welds. Metal-arc welding and spot welding procedures shall be in accordance with the manufacturer's standards for welds. Welded surfaces shall be free of cracks and inclusions, and the overlap conditions shall not exceed 10 percent of the total weld length. There shall be no lack of fusion which causes failure.

2.5.1 Welded surfaces. Welded surfaces shall be cleaned and coated per ASTM A780 with either a sprayed zinc or zinc-based solder coating.

**NOTES:**  
 1- DIMENSIONS ARE IN MILLIMETERS.  
 2- UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE  $\pm 0.8$  MM.  
 3- WELDING APPLIES ONLY IF REQUIRED BY MATERIAL BEING USED IN CONSTRUCTION OF THE BOX.

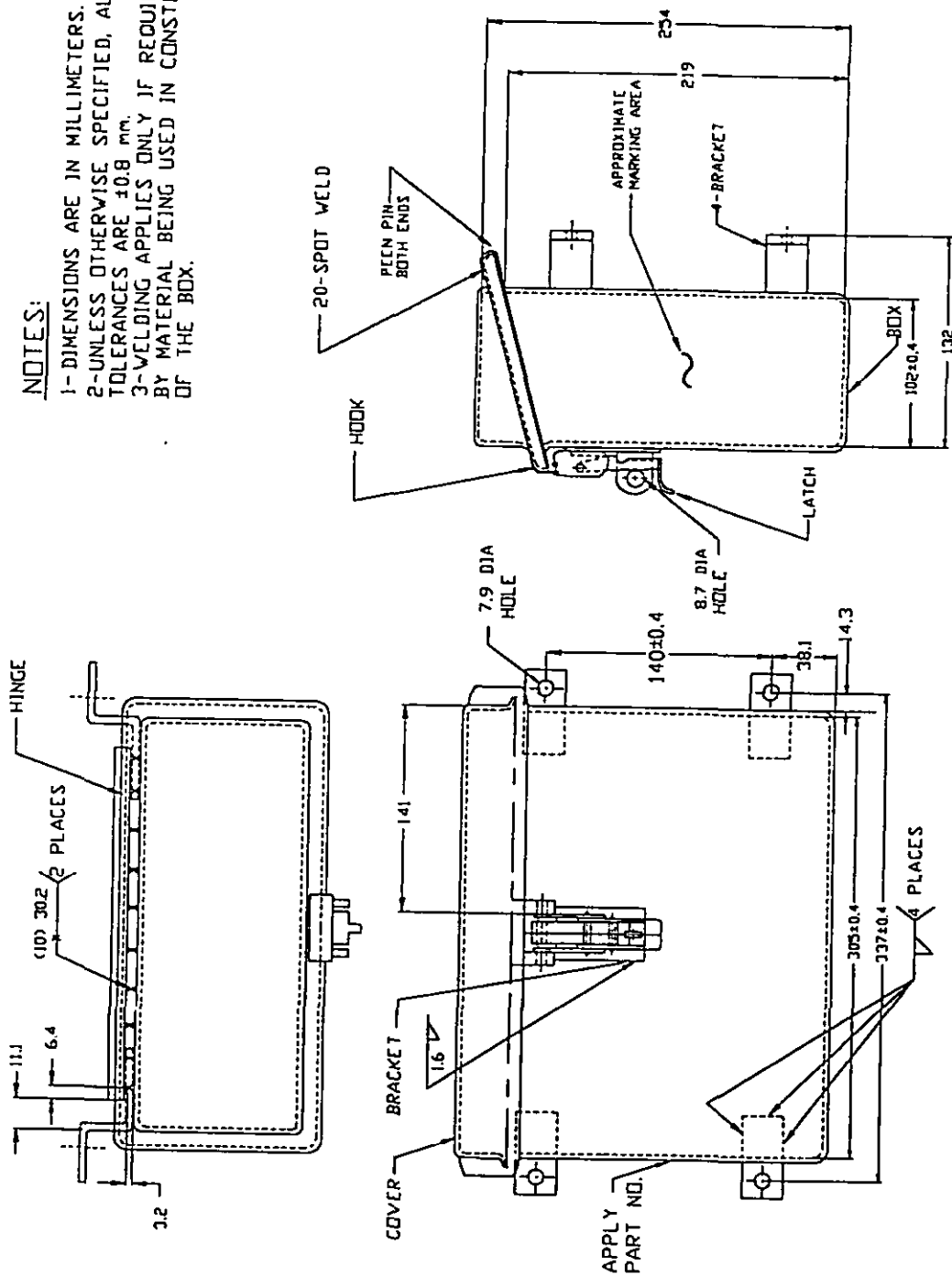


FIGURE 1. Storage box for vehicular accessories.

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### 3. REGULATORY REQUIREMENTS

3.1 Recovered material. 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).

3.2 Safety. This item shall comply with all applicable Occupational Safety and Health Administration (OSHA) requirements found in 29 Code of Federal Regulations (CFR).

### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. The contractor is responsible for the performance of all inspections and tests.

4.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specifications, workmanship standards, and quality assurance practices. Items with known defects shall not be submitted for Government acceptance. 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. **PACKING**. Preservation, packing, and marking shall be as specified in the contract (see 6.1).

### 6. NOTES

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

6.1 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this CID.
- b. Issue of DoDISS to be cited in the solicitation.
- c. PIN and quantity of boxes required.
- d. Color required.
- e. Marking required if other than specified.
- f. Packaging requirements.

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6.2 Addresses for obtaining copies of referenced documents.

6.2.1 Government documents. The Code of Federal Regulations (CFR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington DC 20402. Copies of FED-STD-595 may be obtained from the Defense Printing Service Detachment Office, Bldg. 4D (Customer Service), 700 Robbins Avenue, Philadelphia, PA 19111-5094.

6.2.2 Non-Government publications. Copies of ASTM A780 may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.3 Cross-reference data. Boxes conforming to this CID are interchangeable/substitutable with boxes conforming to MS53077.

MILITARY INTERESTS:

Custodian:  
Army - AT

Review Activity:  
Army - MI  
DLA - CS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing Activity:  
Army - AT

(Project 2540-0433)