

INCH-POUND

A-A-52403A

8 July 2009

SUPERSEDING

A-A-52403

January 21, 1993

## COMMERCIAL ITEM DESCRIPTION

### MENDER, HOSE, LOW PRESSURE

The General Services Administration has authorized the use of this commercial item description (CID) for all agencies as a replacement of cancelled MS24520A.

#### 1. SCOPE.

1.1 Scope. This CID covers requirements for hose menders made from metal tubing 3 inches long and beaded on both ends. The repair hose is used in low pressure applications with suitable hose clamps to complete the repair.

#### 2. SALIENT CHARACTERISTICS.

2.1 Materials. The metal tubing for the hose mender shall be made of either corrosion resisting steel or anodized aluminum. The use of recovered material made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 5.1 and 5.5).

2.2 Design and construction. The hose mender shall be made of straight tubing 3 inches long and have a bead on both ends. See table I for hose mender size, material, and dimensions.

2.3 Workmanship. The hose mender tubing shall be free from burrs, cracks, sharp edges, irregularities, or any other defects affecting serviceability and appearance.

2.4 Identification and marking. Identification and marking, as a minimum, shall include the PIN number and manufacturer's identification (see Table I and section 5.2).

Comments, suggestions, or questions on this document should be addressed to U.S. Army Tank-Automotive and Armaments Command, ATTN: RDTA-EN/CM/DM/STND MS#268, 6501 E. 11 Mile Road, Warren, MI 48397-5000 or emailed to [DAMI\\_STANDARDIZATION@conus.army.mil](mailto:DAMI_STANDARDIZATION@conus.army.mil). Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <http://assist.daps.dla.mil>.

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TABLE I. Hose mender dimensions and cross reference data.

Steel PIN No. A52403	Aluminum PIN No. A52403	Tube Outside Diameter $\pm.005$	Wall Thickness +.002 -.004	Height of bead $\pm.003$	Cross Reference Data MS Dash No.	
					Steel MS24520	Aluminum MS24520
- 1	- 2	.250	.035	.038	- 1	- 2
- 3	- 4	.375	.035	.038	- 3	- 4
- 5	- 6	.500	.035	.038	- 5	- 6
- 7	- 8	.625	.049	.038	- 7	- 8
- 9	- 10	.750	.049	.038	- 9	- 10
- 11	- 12	1.000	.049	.062	- 11	- 12
- 13	- 14	1.250	.049	.062	- 13	- 14
- 15	- 16	1.500	.049	.072	- 15	- 16

Note: The bead shall be located .250 inch from both ends of the tube and shall have a radius shape.

### 3. REGULATORY REQUIREMENTS.

3.1 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

### 4. PRODUCT CONFORMANCE.

4.1 Product conformance. The products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

4.2 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 the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product as the manufacturer's current product offered by the contractor in the market place. 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 or order.

### 5. PACKAGING.

5.1 Packaging. Preservation, packaging, packing, labeling, and marking for the desired level shall be as specified in the contract (see 5.1).

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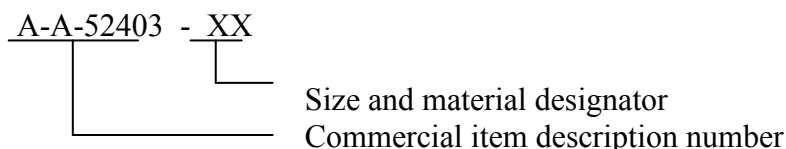
## 6. NOTES.

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

6.1 Ordering data. Acquisition documents must specify the following:

- a. Title, number and date of this Commercial Item Description
- b. Hose mender size, material and PIN number (see 2.1, 5.2, and table I).
- c. Selection of applicable level and packaging requirements (see 4).

6.2 Part Identifying Number (PIN). The PIN to be used for the hose menders acquired to this CID is created as follows:



6.3 Cross reference data. Hose menders conforming to this document are interchangeable/substitutable with hose menders conforming to MS24520A (see table I).

6.4 Metric product. Hose menders that are to metric dimensions will be considered on the following basis:

a. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of IEEE/ASTM SI 10, and all other requirements of this CID are met.

b. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pounds units, a request should be made to the contracting officer to determine if the product is acceptable.

c. The contracting officer has the option of accepting or rejecting the product.

## Custodians:

Army - AT  
Navy - AS  
Air Force - 99

## Preparing Activity:

Army - AT

(Project 4730-2009-072)

## Review Activities:

Army - AR, AV, CR4  
Navy - MC, OS, SA  
DLA - CC

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.