INCH-POUND

A-A-51403
January 21, 1993

COMMERCIAL ITEM DESCRIPTION

MENDER, HOSE (LOW PRESSURE)

The General Services Administration has authorized the use of this commercial item description (CID) as a replacement for MS24520A, which is canceled.

1.0 Abstract. 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.

2.0 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 5.2).

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-GDS, Warren, MI 48397-5000.

AMSC N/A FSC 4730

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

TABLE I. Hose mender dimensions and cross reference data.

Steel	Aluminum	Tube Outside Diameter	Wall Thickness	Height	Cross Reference Data MS Dash No.	
PIN No. A52403	PIN No. A52403	± .005	+ .002 - .004	of bead ± .003	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.

3.0 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.

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

5.0 Notes.

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

5.1 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).

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

A 52403 - XX

XX — Size and material designator.

52403 — Commercial item description number.

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

5.4 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 ASTM E380, 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-pound 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.

5.5 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

Custodians:
Army - AT
Navy - AS
Air Force - 99

Review activities:
Army - ME, AR
Air Force - 69, 82
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User activities:
Army - AV
Navy - OS, MC

Preparing activity:
Army - AT

(Project 4730-A088)