

[INCH-POUND]
A-A-2921
July 12, 1995
SUPERSEDING
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May 8, 1973

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

COMMERCIAL ITEM DESCRIPTION

COUPLING ASSEMBLIES AND MENDERS, HOSE

1. SCOPE

1.1 Scope. This commercial item description covers brass coupling assemblies and menders intended for use with plastic or rubber garden hoses.

2. CLASSIFICATION

2.1 Classification. The coupling assemblies and menders shall be of the type, class, and size, as specified (see 7.3).

2.1.1 Type.

- I - Coupling
- II - Mender

Class.

- 1 - Non-reusable
- 2 - Reusable

Size.

- 5/8 inch (15.87mm)
- 3/4 inch (19.05mm)

3. SALIENT CHARACTERISTICS

3.1 Standard product. Except as otherwise specified herein, the coupling assemblies and menders covered by this commercial item description shall be the manufacturer's standard commercial product. Materials not specifically specified shall be the quality used in commercial practice.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: General Services Administration, Engineering Group (7FXEE), 819 Taylor St., Fort Worth, TX 76102

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

FSC 4730

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3.2 Construction.

3.2.1 Coupling assemblies. Each coupling assembly shall be furnished with a male and female end. The male end of the coupling assembly shall be capable of being joined to the swivel end of the female connection by a minimum of one full thread length.

3.2.2 Class I. The coupling assemblies and menders shall have external zinc plated steel grippers capable of being attached to a hose without special tools. Each tube insert shall have a minimum of two cylindrical corrugations, with a minimum of one corrugation engaged by the gripping device.

3.2.3 Class 2. The coupling assemblies and menders shall be capable of being attached to a hose by means of internal or external threaded devices at the manufacturer's option. If a special tool is required to engage the threads, the tool shall be furnished with each coupling assembly and mender. Menders without threaded devices shall have tube inserts with a minimum of three cylindrical corrugations.

3.3 Sizes. The sizes specified are the inside diameter of the hose the couplings and menders are to be used with.

3.4 Threads. Mating threads and threaded devices for the coupling assemblies and menders shall be the NH series in accordance with ANSI/ASME B1.20.7.

3.5 Washer. A rubber washer shall be furnished as a component part of each coupling assembly.

3.6 Performance.

3.6.1 Coupling assembly. The coupling assembly shall be subjected to the coupling pull-off test as specified in ASTM D3901. Failure of this test shall cause rejection of the sample.

3.6.2 Mender. Utilizing the coupling pull-off test specified in ASTM D3901, attach a hose to both ends of the mender and perform the test specified for the coupling assembly. Evaluate for mender separation from the hose and leakage. Failure of this test shall cause rejection of the sample.

3.7 Workmanship. The coupling assemblies and menders shall be free of slivers and sharp edges. No defects that affect appearance, function, or serviceability shall be permitted.

3.8 Measurement system. The values stated in inch-pound units are to be regarded as the standard. The metric values stated in parentheses are for information purposes only.

3.9 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within the tolerances specified and all other requirements of this document are met. 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.

3.10 Commercial item. The use of the term "commercial item" in this document does not imply that any item or items offered are not required to conform with all requirements specified herein.

4. REGULATORY REQUIREMENTS.

4.1 Regulatory requirements. 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).

5. QUALITY ASSURANCE PROVISIONS

5.1 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 offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

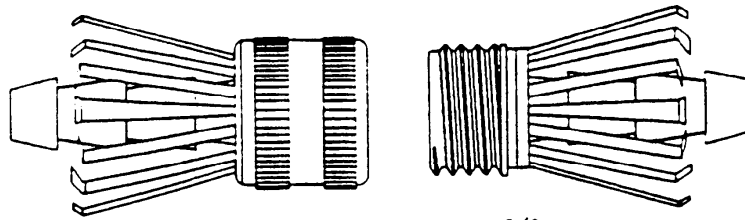
6. PACKAGING

6.1 Packaging. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES

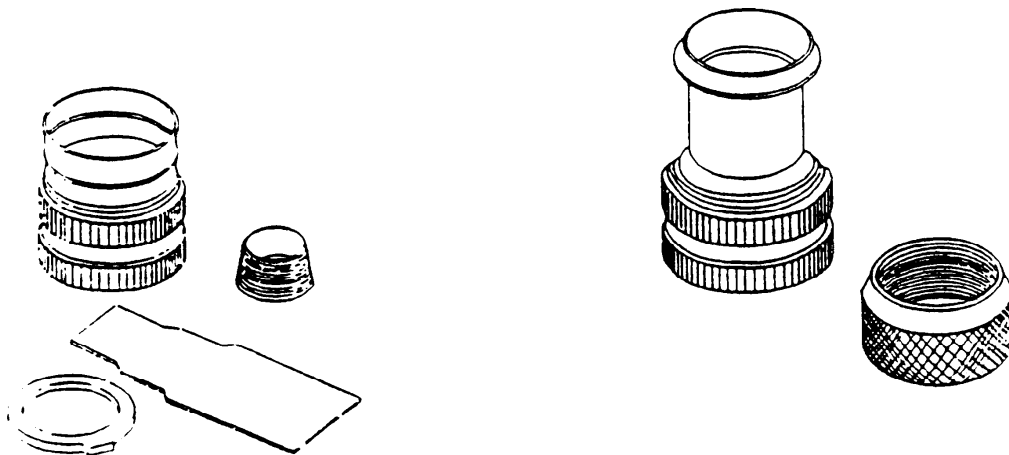
7.1 Part Identification Number (PIN). The coupling assemblies and menders conforming to this commercial item description shall be identified by a part number configuration consisting of identification of a portion of the CID number, type, class, and size. An example of the part number configuration is shown below. This part numbering system is intended for identification and cross-indexing of the item within the Federal cataloging system. The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor.

7.5 Illustrations. The illustrations contained in Figure 1 are for the convenience of identification. They are not intended to preclude the purchase of couplings and menders of similar design which are otherwise in accordance with the requirements of this commercial item description.



NSN 4730-00-693-8989, Size 5/8 Inch
NSN 4730-00-693-8990, Size 3/4 Inch

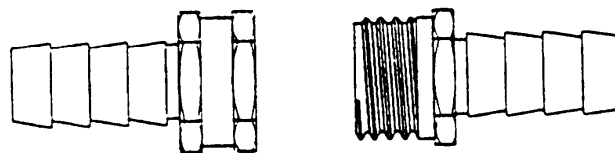
COUPLING ASSEMBLY, NON-REUSABLE: TYPE 1, CLASS 1



NSN 4730-00-063-3912, Size 5/8 Inch

NSN 4730-00-063-3911, Size 3/4 Inch

COUPLING ASSEMBLY, REUSABLE: TYPE 1, CLASS 2

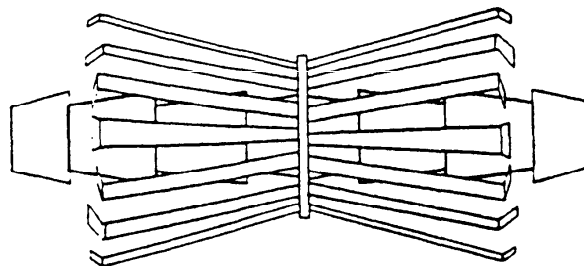


NSN 4730-01-332-7068, Size 5/8 Inch
NSN 4730-01-057-9709, Size 3/4 Inch

COUPLING ASSEMBLY, REUSABLE: TYPE 1, CLASS 2

Figure 1. Physical Configuration.

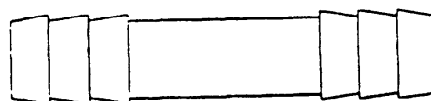
A-A-2921



NSN 4730-00-202-8304, Size 5/8 inch

NSN 4730-00-202-8305, Size 3/4 inch

MENDER, NON-REUSABLE: TYPE II, CLASS 1



NSN 4730-00-063-3914, Size 5/8 inch

NSN 4730-00-063-3913, Size 3/4 inch

MENDER REUSABLE: TYPE II, CLASS 2

Figure 1. Physical Configuration Continued.

MILITARY INTERESTS:

PREPARING ACTIVITY:
GSA-FSS

Custodian:

Air Force - 99

Review Activity:

Air Force - 82