

[INCH-POUND]
A-A-50351A
19 August 2013
SUPERSEDING
A-A-50351
17 April 1981

COMMERCIAL ITEM DESCRIPTION

HOSE, BRONZE, ANNULAR CORRUGATED METAL, SINGLE BRAID
FLEXIBLE, GAS TIGHT

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

1. SCOPE. This commercial item description (CID) covers the general requirements for hose, bronze, annular corrugated metal, single braid flexible, gas tight. Hose bronze, annular corrugated metal, single braid flexible, gas tight covered by this CID is intended for commercial/industrial applications.
2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system which is included in the PIN as shown in the following example (see 7.1).

<u>AA50351</u>	-	<u>001</u>	-	<u>002</u>
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CID number		Dash number (See 3.2)		Length (See 3.3)

3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Bronze, annular corrugated metal, single braid flexible, gas tight supplied to this CID shall be as specified herein.

3.1.1 Size and rated operating pressure. Size and operating pressure shall be as specified in table I.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, ATTN: VAI, P.O. Box 3990, Columbus OH 43218-3990, or email fluidflow@dla.mil. Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at <https://assist.dla.mil>.

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TABLE I. Size PIN code and rated operating pressure.

CID PIN code	Nominal hose inside diameter	Rated operating pressure (Lbs/in ²)
A-A-50351-001	1/4	875
A-A-50351-002	3/8	700
A-A-50351-003	1/2	525
A-A-50351-004	3/4	300
A-A-50351-005	1	300
A-A-50351-006	1-1/4	250
A-A-50351-007	1-1/2	225
A-A-50351-008	2	160

3.1.2 Lengths. Hose shall be furnished in lengths with or without fittings as specified.

3.2 Test pressure. The hose test pressure shall equal 1-1/2 times the rated operating pressure.

3.3 Burst pressure. The hose burst pressure shall be not less than 4 times the rated operating pressure.

3.4 Marking. Bronze, annular corrugated metal, single braid flexible, gas tight supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (Note: The part number marked on the unit pack shall be the CID PIN.)

3.5 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.6 Workmanship. Bronze, annular corrugated metal, single braid flexible, gas tight shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, 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 place. The government reserves the right to require proof of such conformance.

5.2 Certification. Certification must be done with the procuring activity approval. The contractor shall certify that the product offered meets the salient characteristics of the description and conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same as the 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. Preservation, packing, and marking shall be as specified in the contract or order.

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7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these bronze, annular corrugated metal, single braid flexible, gas tight to DLA Land and Maritime under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.4 Source of documents.

FEDERAL REGULATIONS

FAR – Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at www.acquisition.gov/comp/far/index.html or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401.)

7.5 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.6 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFR's CAGE

0TE27

MFR's name and address

D.W. INDUSTRIES
 6287 LONG DRIVE
 HOUSTON, TX. 77087-3457
 BILL SCHLEICHER
biisdwi@aol.com
 713-644-8372
 Richard Weaver
richardddwi@aol.com

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MFR's CAGE

64D56

MFR's name and address

SPECIALTY MFG. & SUPPLY COMPANY
 3819 WICK PLACE
 WEXFORD, PA, 15090
 Tel: (412) 584-3488
 15090 - USA
Specialty.mfg.supply.co@gmail.com

7.7 Government users. To acquire information on obtaining these hose, bronze, annular corrugated metal, single braid flexible, gas tight from the Government inventory system, contact DLA Land and Maritime, ATTN: DLA Land and Maritime Call Center (-NAB), P.O. Box 3990, Columbus, OH 43218-3990 or telephone (614) 692-2271 or (614) 692-3191.

7.8 Legacy. This commercial item description is a replacement for MIL-H-22605 for all federal agencies. MIL-H-22605 is canceled as of 18 April 1983 and copies of these documents are available online at <http://quicksearch.dla.mil> or from the DLA Document Services Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094).

7.9 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MILITARY INTERESTS

Custodians:
 Navy - SH
 DLA - CC

Review activity:
 Navy - SA

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing activity:
 DLA - CC

Project 4720-2013-002

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 <https://assist.dla.mil>.