

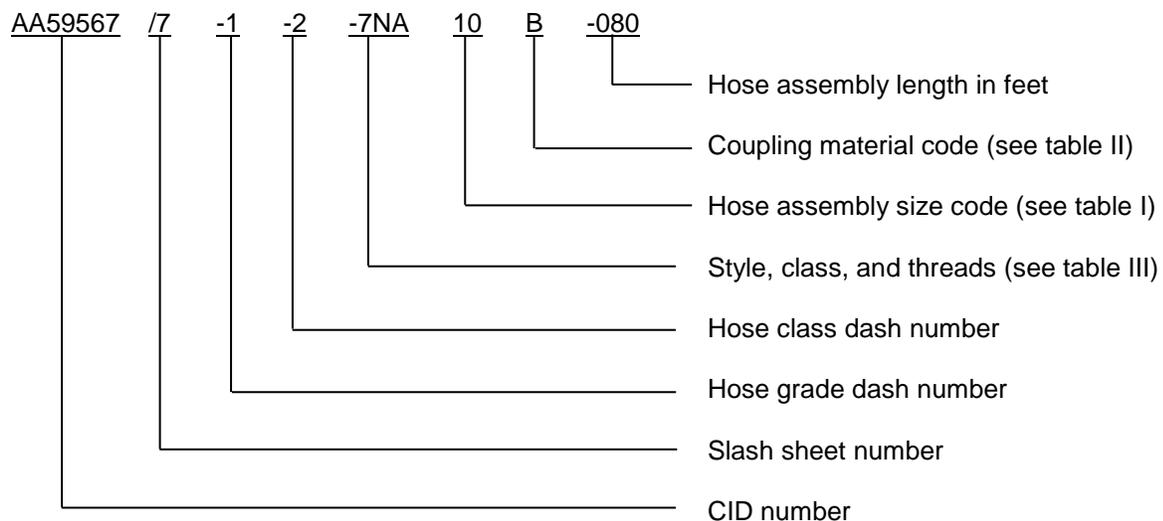
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOSE ASSEMBLY, GARDEN, WATER, AND WATER SUCTION,
HEX, SHANK TYPE COUPLER

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

The complete requirements for procuring the hose assembly, garden, water, and water suction, hex, shank type coupler described herein shall consist of this document and the latest issue in effect of A-A-59597.

CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification sheet uses a classification system which is included in the PIN as shown in the following example (see NOTES).



SALIENT CHARACTERISTICS.

Interface and physical dimensions. Hose assemblies supplied to this CID specification sheet shall meet the general requirements specified in A-A-59567 and as herein (see figure 1).

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 432180-3990, or 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/>.

A-A-59567/7

Hose. Hose shall be in accordance with A-A-59567.

Hose grade dash number:

- 1 - Commercial hose
- 3 - Weather and ozone-resistant hose

Class dash number:

- 1 - General non-potable water inner tube
- 2 - Potable water inner tube

Grade 1, class 1. Grade 1, class 1 hose is intended for general water discharge services.

Grade 3, class 1 or class 2. Grade 3, class 1 or class 2 hose is intended for water applications where resistance to deterioration by weather and ozone is required.

Class 2 inner tube. Grade 1 or grade 3 hose with class 2 inner tube is for use with potable water.

Working pressure. Working pressure shall be in accordance with A-A-59567.

Hose assemblies. Hose assemblies shall be furnished with a male and female ends of the same type style, class, and material as specified in the PIN.

Interface and physical dimensions. Hose assemblies supplied to this CID specification sheet shall meet the general requirements specified in A-A-59567 and as specified herein.

Hose assembly size codes. Hose assembly size code shall be in accordance with table I.

TABLE I. Size codes for hose assemblies.

PIN size code	Size
4	.250
6	.375
8	.500
10	.625
12	.750
16	1.000
20	1.250
24	1.500
32	2.000
34	2.500
48	3.000
56	3.500
64	4.000

1/ The size indicates the nominal size of the coupling to fit the hose with that inside diameter (ID). For example, size .500 is for a coupling to fit the .500 inch ID hose.

Length of hose assemblies. Length of hose assemblies shall be measured in feet in accordance with A-A-59567. Examples: 080 for 80 feet and 250 for 250 feet.

Construction. Unless otherwise specified, coupling parts shall be in as specified herein. The coupling shall be cast or machined from aluminum, copper alloy (brass), steel, polypropylene, or corrosion resistant steel, (see table II and figure 1):

Tightening provisions. Female hex shall be a swivel nut.

Couplings. Couplings when attached to hose shall be able to withstand an internal hydrostatic pressure of 100 psi, for at least one minute without showing any signs of leakage.

Materials. Couplings shall be cast, machined, pressed or extruded from one of the materials in table II.

TABLE II. Material types and designator.

Material designator code	Material
A	Aluminum anodized
B	Copper alloy (brass)
C	Steel zinc plated
S	Corrosion resistant steel

Threads. Threads shall be NPT (national pipe thread) in accordance with FED-STD-H28/7, NPSH (National Pipe Straight Hose) in accordance with FED-STD-H28/10, NH (fire hose coupling) in accordance with FED-STD-H28/10, NPSM (national pipe straight mechanical) in accordance with ASME B1.20.1 or GHT (garden hose thread) threads see table III.

TABLE III. PIN codes for style, class, and type.

PIN type designator	Thread type	Hose clamp type designator (see figure 2)	Ferrule designator (see table IV)
7G	GHT <u>1/</u>	A, B, C, D, E, or F	CA, R, or Z
7H	NH <u>2/</u>		
7M	NPSM <u>3/</u>		
7S	NPSH		
7T	NPT		

1/ Not compatible with other thread types. GHT thread size .750 only for hose assemblies sizes ID .250 thru .750.

2/ Not compatible with other thread types. For hose assemblies sizes ID .750 and up.

3/ Not compatible with other thread types.

Gasket. Hose assemblies shall come with a gasket. Gasket material shall be suitable for the hose class for which it is intended, non-potable water or potable water.

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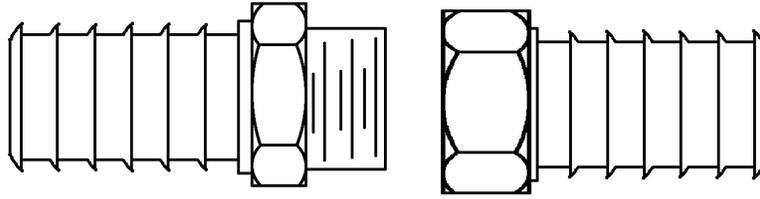


FIGURE 1. Shank type coupler and adapter.

Hose clamps. Hose clamps shall be in accordance with A-A-52506 see figure 2 for types.

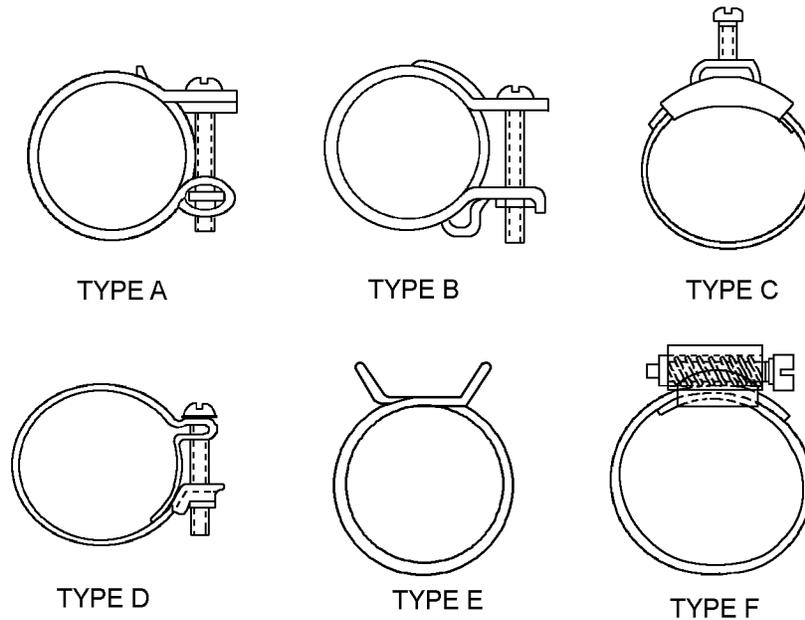


FIGURE 2. Hose clamp types.

Compression ferrule. Compression ferrule shall be in accordance with A-A-59614, see table IV for material designators.

TABLE IV. Ferrule material designators.

Designator	Material
CA	Copper alloy (brass)
R	Corrosion resistant steel
Z	Zinc-coated steel

Clamps and ferrules. Clamps or ferrules shall not extend closer than .062 inch to the end of the shank.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See classification information for PIN format example.

Source of documents.

COMMERCIAL ITEM DESCRIPTIONS

- A-A-52506 - Clamps, Hose
- A-A-59614 - Coupling Assembly, Hose (Garden, Water, and Water Suction)

STANDARDS

- FED-STD-H28/7 - Screw-Thread Standards for Federal Services Section 7 Pipe Threads, General Purpose
- FED-STD-H28/10 - Screw-Thread Standards for Federal Services Section 10 Hose Coupling and Fire Hose Coupling Screw Threads

(Copies of these documents are available online at <http://quicksearch.dla.mil>).

ASME INTERNATIONAL

- ASME B1.20.1 - Pipe Threads, General Purpose (Inch)

(Copies of these documents are available online at <http://www.asme.org>.)

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

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
1U339	Labarge Products, Inc. 2900 Brannon Avenue St. Louis, MO 63139 Phone number: 1-314-776-2900 Fax number: 1-314-776-6444 sales@whsmithco.com www.labargepro.com
30659	Moon American Inc. 167-B SW Cutoff Worcester, MA 01604 Phone number: 1-507-798-8887 Fax number: 1-508-798-7839 sales@moon-american.com www.moon-american.com

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MILITARY INTERESTS:

Custodians:

Army - AT
Navy - SH
Air Force - 99
DLA - CC

Review activities:

Navy - SA
Air Force - 71

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing activity:
DLA - CC

(Project 4720-2014-045)

NOTE: The activities listed above were interested in this document as 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/>.