

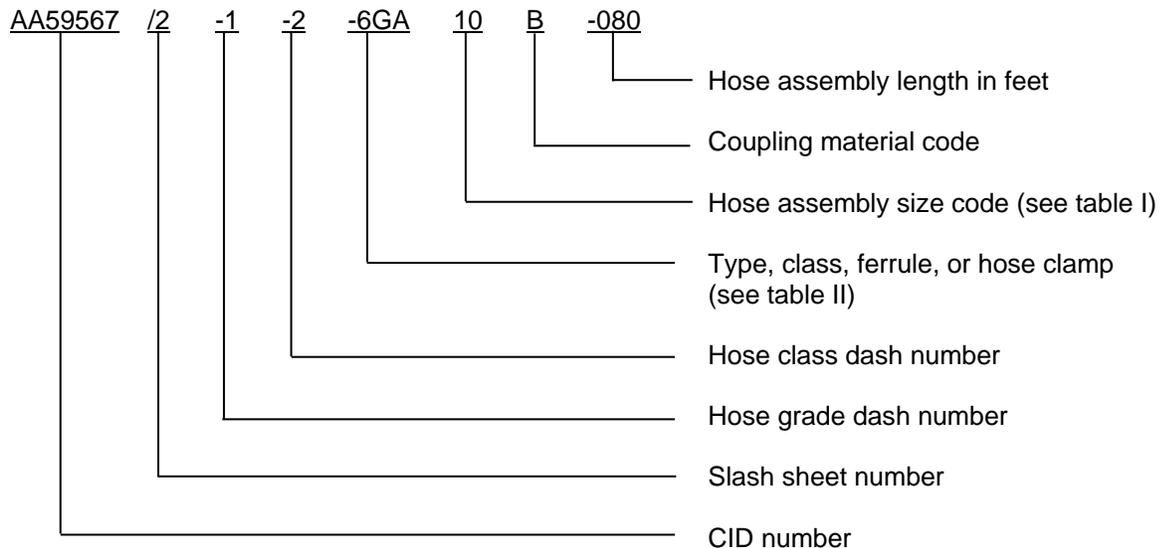
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOSE ASSEMBLIES, GARDEN, WATER, AND WATER SUCTION,
EXPANSION SHANK, COMPRESSION FERRULE, OR HOSE CLAMP

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

The complete requirements for procuring the Hose assemblies, garden, water, and water suction, expansion shank or compression ferrule described herein shall consist of this document and the latest issue in effect of A-A-59567.

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 for hose, A-A-59614 for the couplings, and shall be as specified herein.

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@dlm.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/>.

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.

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.

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

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

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

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.

Class A couplings. When attached to hose, class A couplings (garden hose) shall be able to withstand an internal hydrostatic pressure of 100 psi for at least one minute without showing any signs of leakage. See table I for hose assembly sizes available.

Class AA couplings. When attached to hose, class AA couplings shall be able to withstand an internal hydrostatic pressure of 300 psi for sizes .50 through 1 inch, 250 psi for sizes 1.25 and 1.50 inch, and 200 psi for sizes 2.00 through 4.00 inch, for at least one minute without showing any signs of leakage. See table I for hose assembly sizes available.

NOTE: Hose assemblies for this CID are not intended to meet the pressure requirements of the couplings.

Threads. Threads shall be either NHR (rolled) or NH (cut or cast) see A-A-59614/5 or A-A-59614/6.

Tightening provisions. Wrenching surfaces may be octagon, hexagon, ridged, or knurled and shall be located on the swivel nut only, see figure 1 or 2.

Ferrules. Ferrules shall be manufactured from sheet, tubing, or locking straps of copper alloy (brass), corrosion resistant steel, or zinc-coated steel. Ferrules shall be of the same type of material as the couplings, see table III.

TABLE I. Size codes for hose assemblies.

PIN size code	Hose assembly size	Class A coupling size	Class AA coupling size
8	.500	.500	—
10	.625	.625	—
12	.750	.750	.750
16	1.00	—	1.00
20	1.25	—	1.25
24	1.50	—	1.50
32	2.00	—	2.00
34	2.50	—	2.50
48	3.00	—	3.00
56	3.50	—	3.50
64	4.00	—	4.00

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

PIN type and class designator	Style see figures 1 and 2	Class see table I	Clamp type	Hose clamp type designator (see figure 3)
5G	5	A	Ferrule	—
5W	5	AA	Ferrule	—
6G	6	A	Expansion	—
6W	6	AA	Expansion	—
6G	6	A	Hose clamp	A, B,C, D, E, or F
6W	6	AA	Hose clamp	

1/ Hose clamp designator, see figure 3.

Materials. Couplings shall be cast or machined from one of the materials in table III.

TABLE III. Material types and designator.

Material designator code	Material	Ferrule material
B	Copper alloy (brass), cartridge brass	Copper alloy (brass)
C	Steel Zinc plated	Zinc-coated steel
S	Corrosion resistant steel	Corrosion resistant steel
Z	Zinc-base alloy	Zinc-coated steel

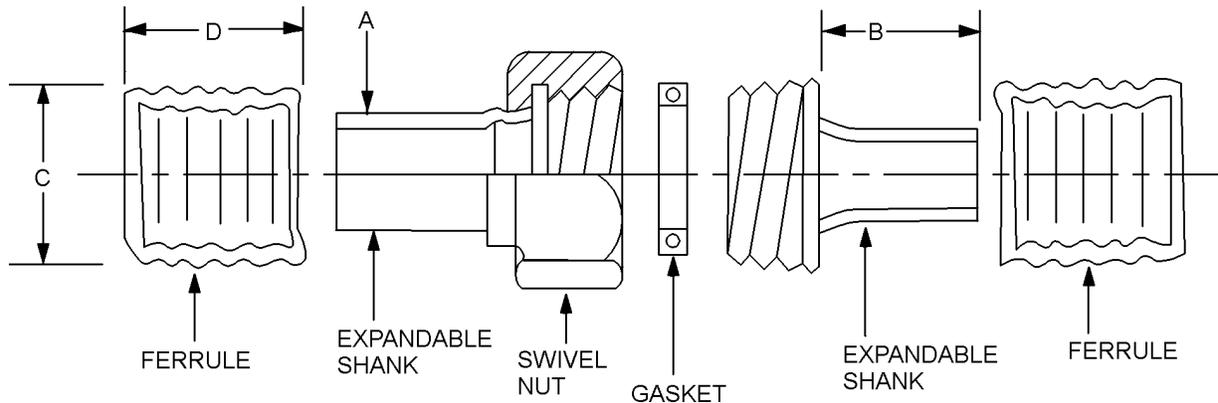


FIGURE 1. Style 5 expansion shank couplings.

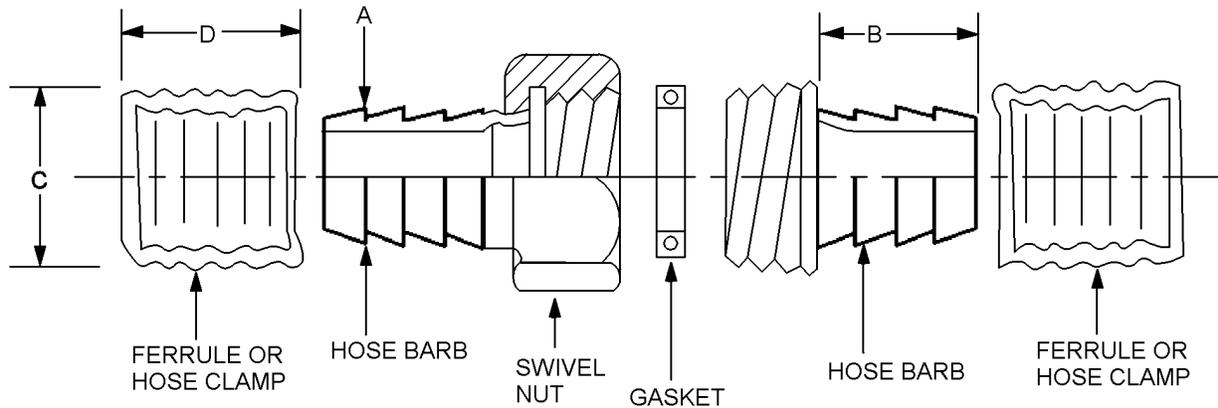


FIGURE 2. Style 6 compression couplings.

Couplings type II styles 5 and 6. Type II style 5 and 6 couplings shall be in accordance with A-A-59614/5 (expansion shank) or A-A-59614/6 (compression ferrule).

Female section. Female section shall have a swivel nut; with gasket. The gasket recess in swivel recess may be omitted provided the standard commercial gasket does not fall out when the two sections are disconnected.

Ferrule. Ferrule, excluding type II expansion shank, is required for each male and female section.

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

A-A-59614/2

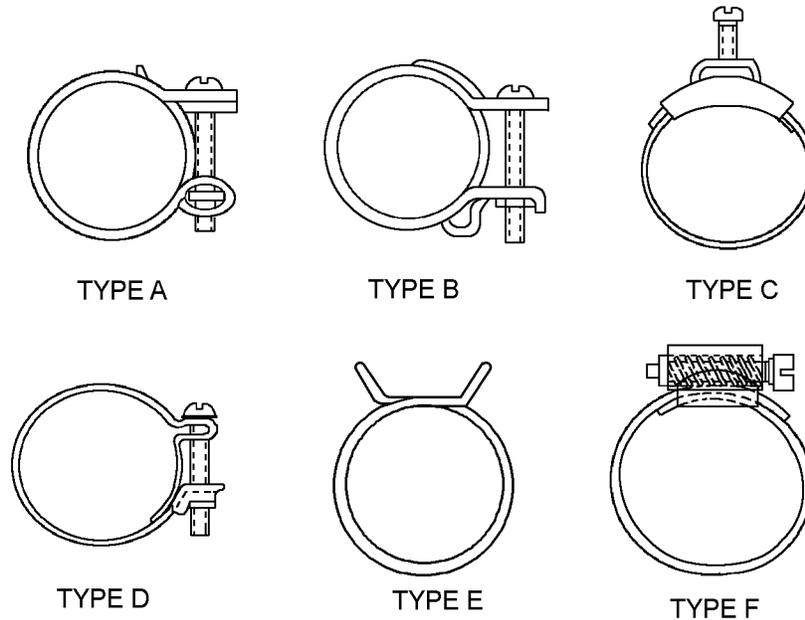


FIGURE 3. Hose clamp types.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID.

Source of documents.

COMMERCIAL ITEM DESCRIPTIONS

- A-A-52506 - Clamp, Hose
- A-A-59567 - Hose and Hose Assemblies, Rubber (Yarn or Fabric Reinforced) Water Service
- A-A-59614 - Coupling Assembly, Hose (Garden, Water, and Water Suction)
- A-A-59614/5 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Expansion Shank, Style 5, Type II
- A-A-59614/6 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Compression Ferrule, Style 6, Type II

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

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

MILITARY INTERESTS:

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Air Force - 99
DLA - CC

Review activities:

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Air Force - 71

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing activity:

DLA - CC

(Project 4720-2014-040)

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/>.