

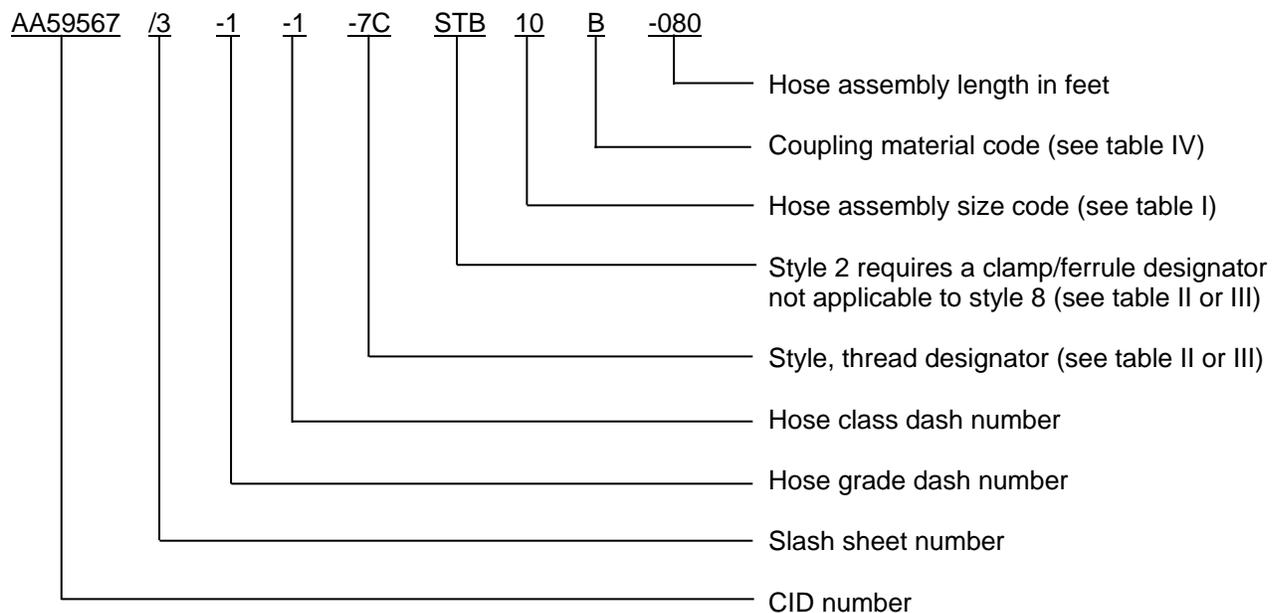
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOSE ASSEMBLY, GARDEN, WATER, AND WATER SUCTION,
ROCKER LUG SWIVEL 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, shank type coupler and adapter with interlocking clamps 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 and be as specified 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-59567/3

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 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.

Construction. Unless otherwise specified, type III coupling parts shall be in accordance with A-A-59614/2 for class A and AA (except use rocker lug design) or A-A-59614/7 for style 7 class AA and B, except as specified herein.

Couplings.

Class AA couplings. When attached to hose, class AA couplings shall be able to withstand an internal hydrostatic pressure of 300 psi for sizes .500 through 1 inch, 250 psi for sizes 1.250 and 1.500 inch, 200 psi for sizes 2.000 through 4.000 inch, and 100 psi for sizes 4.500 through 5.000 inch, for at least one minute without showing any signs of leakage.

Class B couplings. When attached to hose specified in, type III, class B couplings shall be able to withstand an internal hydrostatic pressure as specified for class AA couplings and a 22-inch mercury vacuum for at least one minute without loss of coupling seal or where the hose joins the coupling.

Coupling hose threads. Coupling hose threads shall be either National Hose (NH) or National Pipe Straight Hose (NPSH) in accordance with FED-STD-H28/10.

NOTE: NH and NPSH threads are not interchangeable.

TABLE I. Size codes for hose assemblies.

PIN size code	Hose assembly size	Class AA water hose <u>1/</u>	Class B Water hose <u>2/</u>
-12	.500	1.500	1.500
-16	.625	2.000	2.000
-20	.750	2.500	2.500
-24	1.00	3.000	3.000
-28	1.25	3.500	3.500
-32	1.50	4.000	4.000
-34 <u>3/</u>	2.00	4.500	4.500
-40	2.50	5.000	5.000
-48	3.00	6.000	6.000

1/ See table II for class A style designators.

2/ See table III for class AA style designators.

3/ 4.50 X 4.00 inch coupling. The 4.50 X 4.00 inch coupling shall have a 4.50 inch NH thread and shall accommodate the 4.00 inch ID hose.

Tightening provisions. Rocker lugs, shall be located on the swivel nut only when specified rocker lugs shall be located on both male and female sections.

Gasket. Hose assemblies shall come with a gasket, see figure 3. Gasket material shall be suitable for potable water or non-potable water as applicable.

Coupling hose threads. Coupling hose threads shall be either National Hose (NH) or National Pipe Straight Hose (NPSH) in accordance with FED-STD-H28/10. NH and NPSH threads are not interchangeable.

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

TABLE II. PIN codes for class A type, style thread, and clamp designator.

Class A coupling PIN code	Style	Thread type
7J	Expansion ring	NH
7K	Expansion ring	NPSH
7L	Expansion ring handles on both	NH
7M	Expansion ring handles on both	NPSH

TABLE III. PIN codes for class AA, style, thread, and clamp.

Class AA coupling PIN code	Style	Thread type
7W	Expansion ring	NH
7X	Expansion ring	NPSH
7Y	Expansion ring handles on both	NH
7Z	Expansion ring handles on both	NPSH

Materials. Rocker lug couplings shall be cast or machined from, copper alloy (brass), corrosion resistant steel, or steel, see table IV.

TABLE IV. Material types and designator.

Material designator	Material	Plating
B	Copper alloy (brass)	---
R	CRES	---
S	Steel	Zinc

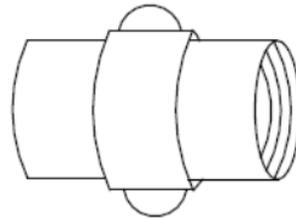
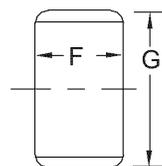


FIGURE 1. Style 7 coupling.



EXPANSION RING

NOTE: For dimensions F and G reference A-A-59614/7.

FIGURE 2. Expansion ring.

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-59567 - Hose and Hose Assemblies, Rubber (Yarn or Fabric Reinforced) Water Service
- A-A-59614/2 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Short Shank with Pin Lug Swivel
- A-A-59614/7 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Rocker Lug Swivel

STANDARDS

- 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>.)

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.)

MFR's CAGE

MFR's name and address

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:

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 4720-2014-041)

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/>.