

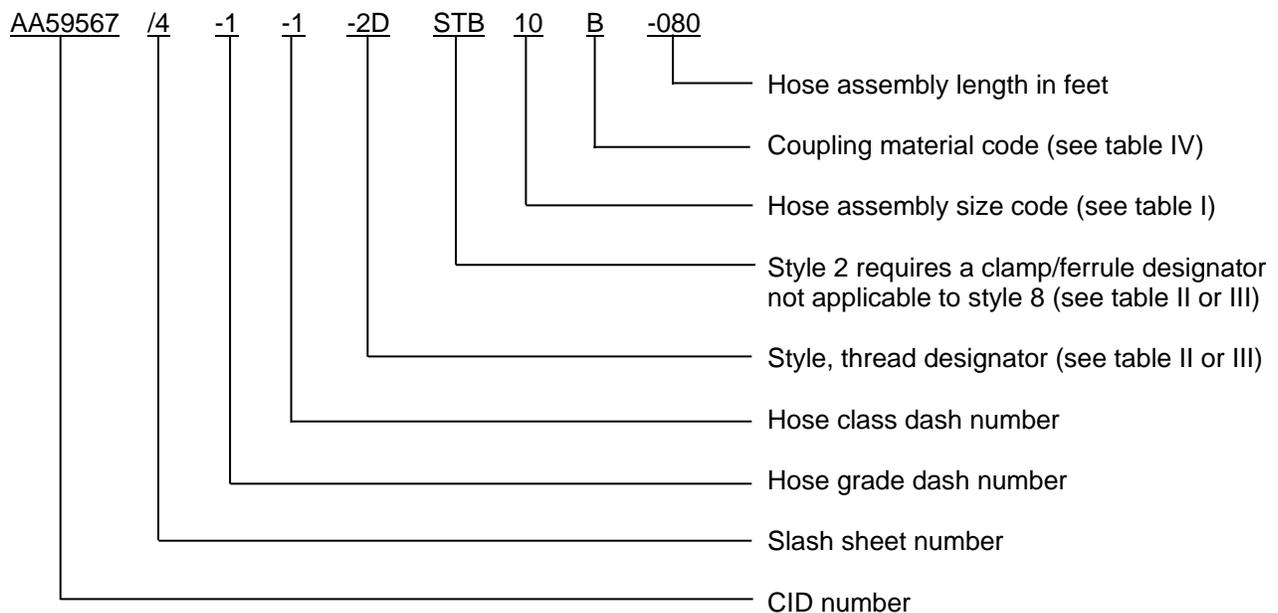
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOSE ASSEMBLY, GARDEN, WATER, AND WATER SUCTION,
PIN 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, pin lug swivel type coupler 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/>.

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, pin couplings coupling parts shall be in accordance with A-A-59614/2 for shank type class A and class AA, and A-A-59614/8 for expansion ring class AA and B.

Couplings.

Coupling classes. Couplings classes are defined in the individual CID sheets and as follows:

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.

Class AA couplings. Class AA couplings shall be able to withstand an internal hydrostatic pressure of 300 psi for sizes .500 through 1.000 inch, 250 psi for sizes 1.250 and 1.500 inch, 200 psi and for sizes 2.000 through 4.000 inch for at least one minute without showing any signs of leakage. See table I for hose assembly sizes available.

Class B couplings. 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. See table I for hose assembly sizes available.

Tightening provisions. Unless otherwise specified pin lugs, shall be located on the swivel nut only. When specified pin lugs shall be located on both male and female sections.

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.

TABLE I. Size codes for hose assemblies.

PIN size code	Hose assembly size	Class A Garden hose <u>1/</u>	Class AA Garden hose <u>1/</u>	Class B Water hose <u>2/</u>
04	.500	.500	---	---
05	.625	.625	---	---
06	.750	.750	.750	---
08	1.000	---	1.000	---
10	1.250	---	1.250	---
12	1.500	---	1.500	1.500
16	2.000	---	2.000	2.000
20	2.500	---	2.500	2.500
24	3.000	---	3.000	3.000
28	3.500	---	3.500	3.500
32	4.000	---	4.000	4.000
34	4.500	---	4.500	4.500
40	5.000	---	5.000	5.000
48	5.000	---	5.000	5.000

1/ See table II for class A style, threads, and clamp designators.

2/ See table III for class AA style, threads, and clamp designators.

Short shank. Short shank hose assemblies shall have one clamp for sealing of couplings to hose see figure 1 and figure 3 for typical assembly.

Long shank. Long shank hose assemblies shall have two or more clamps for sealing of couplings to hose, see figure 2 and figure 3 for typical assembly.

Short and long shank hose clamp . Short and long shank hose clamps shall be in accordance with A-A-52506 for designators see table II (class A) or table III (class AA and B).

Hose clamps. Hose clamps shall be in accordance with A-A-52506 see figure 5.

Compression ferrule. Compression ferrule shall be in accordance with A-A-59614.

Expansion rings. Expansion rings shall be in accordance with A-A-59614, see figure 4.

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

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.

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

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

Class A coupling PIN code	Style	Thread type	A-A-52506 clamp type designator (see figure 5)	Ferrule designator see A-A-59614
2A	Short shank	NH	A, B, C, D, E, F, G, H, TB, SLTB	R
2B	Short shank	NPSH		
2C	Short shank - handles on both	NH		
2D	Short shank - handles on both	NPSH		
2E	Long shank	NH		
2F	Long shank	NPSH		
2G	Long shank - handles on both	NH		
2H	Long shank - handles on both	NPSH		
8J	Expansion ring	NH	---	---
8K	Expansion ring	NPSH	---	---
8L	Expansion ring - handles on both	NH	---	---
8M	Expansion ring - handles on both	NPSH	---	---

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

Class AA coupling PIN code	Style	Thread type	A-A-52506 clamp type designator (see figure 5)	Ferrule designator see A-A-59614		
2N	Short shank	NH	A, B, C, D, E, F, G, H, TB, SLTB	R		
2P	Short shank	NPSH				
2Q	Short shank - handles on both	NH				
2R	Short shank - handles on both	NPSH				
2S	Long shank	NH				
2T	Long shank	NPSH				
2U	Long shank - handles on both	NH				
2V	Long shank - handles on both	NPSH				
8W	Expansion ring	NH			---	---
8X	Expansion ring	NPSH			---	---
8Y	Expansion ring handles on both	NH	---	---		
8Z	Expansion ring handles on both	NPSH	---	---		

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

TABLE IV. Material types and designator.

Material designator code	Material
A	Aluminum
B	Copper alloy (brass) class 2
C	Steel zinc plated
S	Corrosion resistant steel

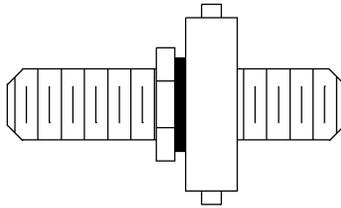


FIGURE 1. Style 2 short shank couplings.

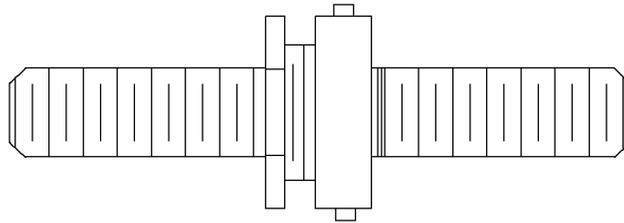


FIGURE 2. Style 2 long shank couplings.

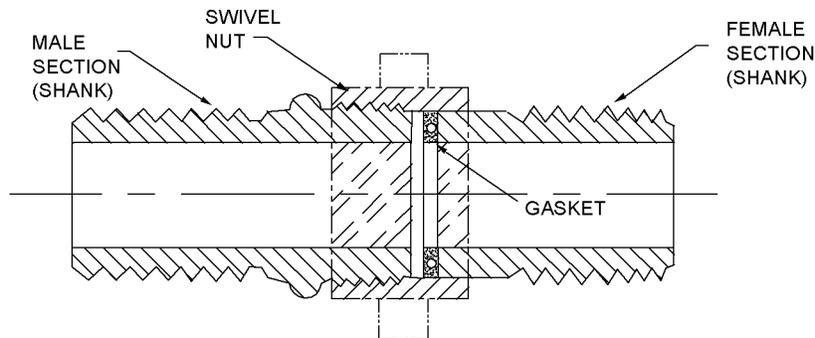


FIGURE 3. Style 2 coupling assembled showing gasket.

A-A-59567/4

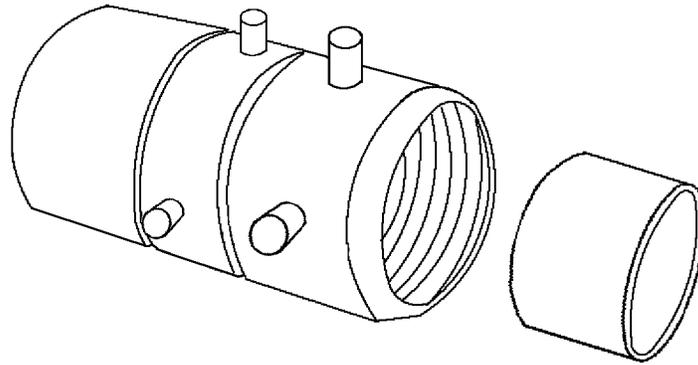


FIGURE 4. Style 8 expansion ring coupling.

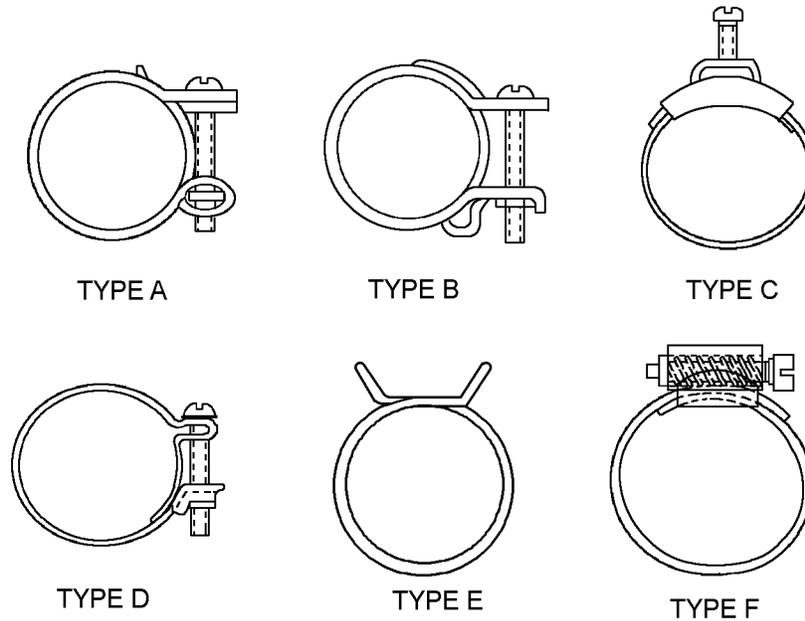


FIGURE 5. Hose clamp types.

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 - Clamps, 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-59614/2 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Short Shank with Pin Lug Swivel

A-A-59567/4

A-A-59614/8 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Pin 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.)

<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:

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 4720-2014-042)

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/>.