

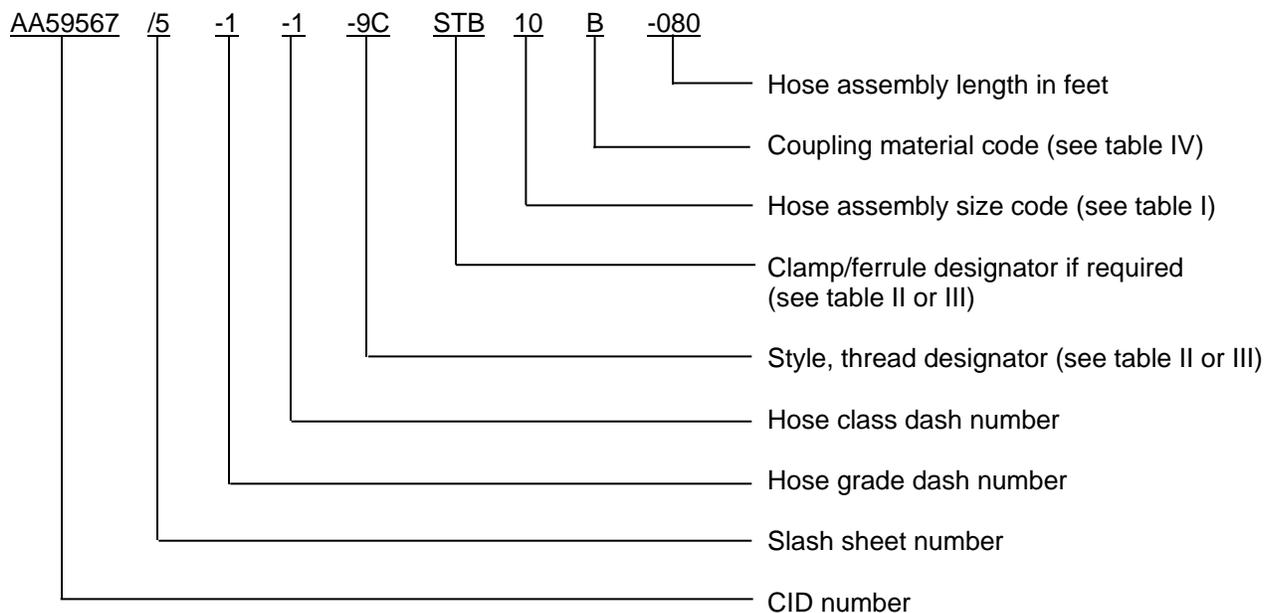
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

HOSE ASSEMBLY, GARDEN, WATER, AND WATER SUCTION,  
LONG HANDLE 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, long handle 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).



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](mailto: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/>.

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).

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 I 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.

Construction. Unless otherwise specified, long handle swivel couplings coupling parts shall be in accordance with A-A-59614 and A-A-59614/9 for expansion ring couplings.

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-59614/9, except as specified herein.

Couplings.

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

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 long handle lugs, shall be located on the swivel nut only. When specified long handle 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 AA Garden hose <u>1/</u>	Class B Water hose <u>2/</u>
12	.750	.750	---
16	1.000	1.000	---
20	1.250	1.250	---
24	1.500	1.500	1.500
32	2.000	2.000	2.000
40	2.500	2.500	2.500
48	3.000	3.000	3.000
56	3.500	3.500	3.500
64	4.000	4.000	4.000

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 AA) or table III (class 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 ring. Expansion ring hose assemblies, see figure 4.

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 hose clamp type designator (see figure 5)	Ferrule see A-A-59614
9A	Short shank	NH	A, B, C, D, E, F	R
9B	Short shank	NPSH		
9C	Short shank - handles on both	NH		
9D	Short shank - handles on both	NPSH		
9E	Long shank	NH		
9F	Long shank	NPSH		
9G	Long shank - handles on both	NH		
9H	Long shank - handles on both	NPSH		
9J	Expansion ring	NH		
9K	Expansion ring	NPSH	---	---
9L	Expansion ring - handles on both	NH	---	---
9M	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 hose clamp type designator (see figure 5)	Ferrule see A-A-59614
9N	Short shank	NH	A, B, C, D, E, F	R
9P	Short shank	NPSH		
9Q	Short shank - handles on both	NH		
9R	Short shank - handles on both	NPSH		
9S	Long shank	NH		
9T	Long shank	NPSH		
9U	Long shank - handles on both	NH		
9V	Long shank - handles on both	NPSH		
9W	Expansion ring	NH		
9X	Expansion ring	NPSH	---	---
9Y	Expansion ring handles on both	NH	---	---
9Z	Expansion ring handles on both	NPSH	---	---

Materials. Long handle 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

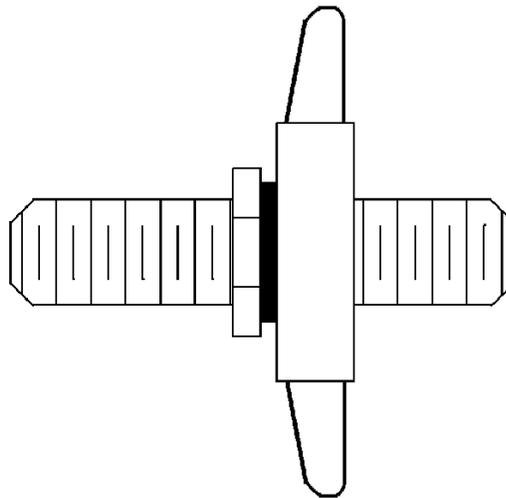


FIGURE 1. Short shank couplings.

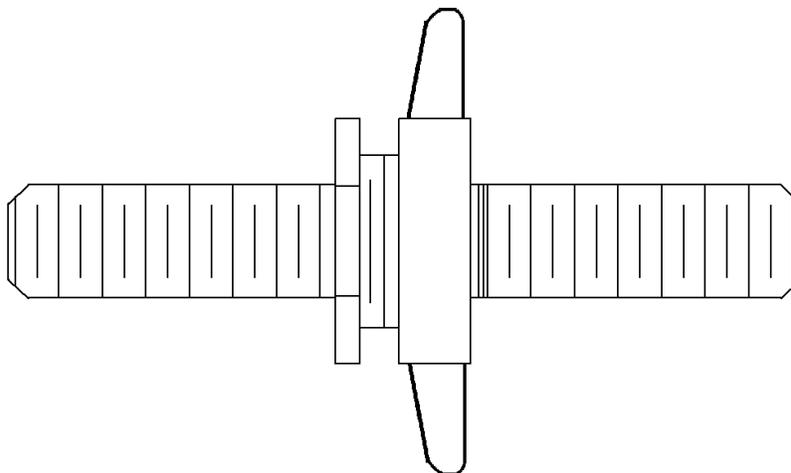


FIGURE 2. Long shank couplings.

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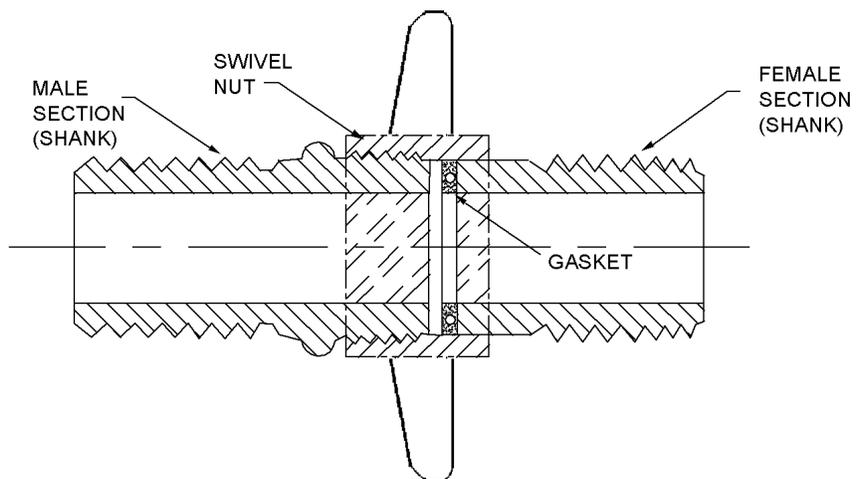


FIGURE 3. Coupling assembled showing gasket.

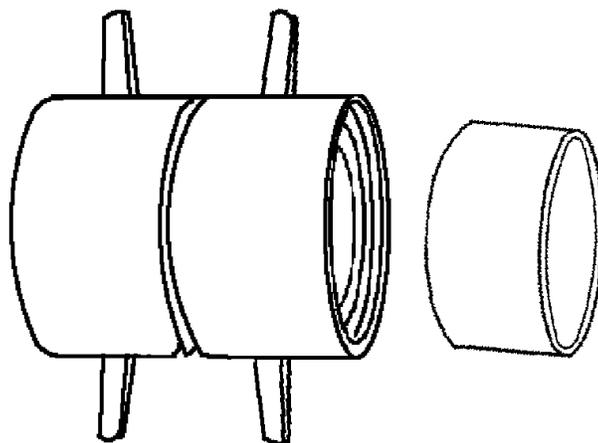


FIGURE 4. Expansion ring coupling.

A-A-59567/5

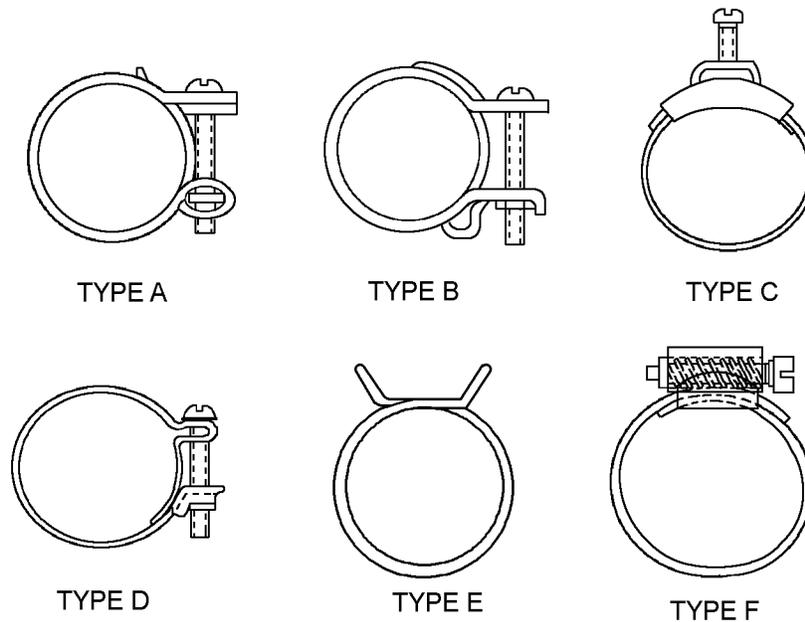


FIGURE 5. Hose clamp types.

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-59614/9 - Coupling Assembly, Hose (Garden, Water, and Water Suction), Long Handle Swivel

STANDARDS

- FED-STD-H28/10 - Screw-Thread Standards for Federal Services Section 10 Hose Coupling and Fire Hose Coupling Screw Threads

(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 <a href="mailto:sales@whsmithco.com">sales@whsmithco.com</a> <a href="http://www.labargepro.com">www.labargepro.com</a>
30659	Moon American Inc. 167-B SW Cutoff Worchester, MA 01604 Phone number: 1-507-798-8887 Fax number: 1-508-798-7839 <a href="mailto:sales@moon-american.com">sales@moon-american.com</a> <a href="http://www.moon-american.com">www.moon-american.com</a>

Part number (P/N) supersession data. These CID PINs supersede the following Federal specification part numbers as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

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 4720-2014-043)

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/>.