INCH-POUND

A-A-59567/1
6 November 2014

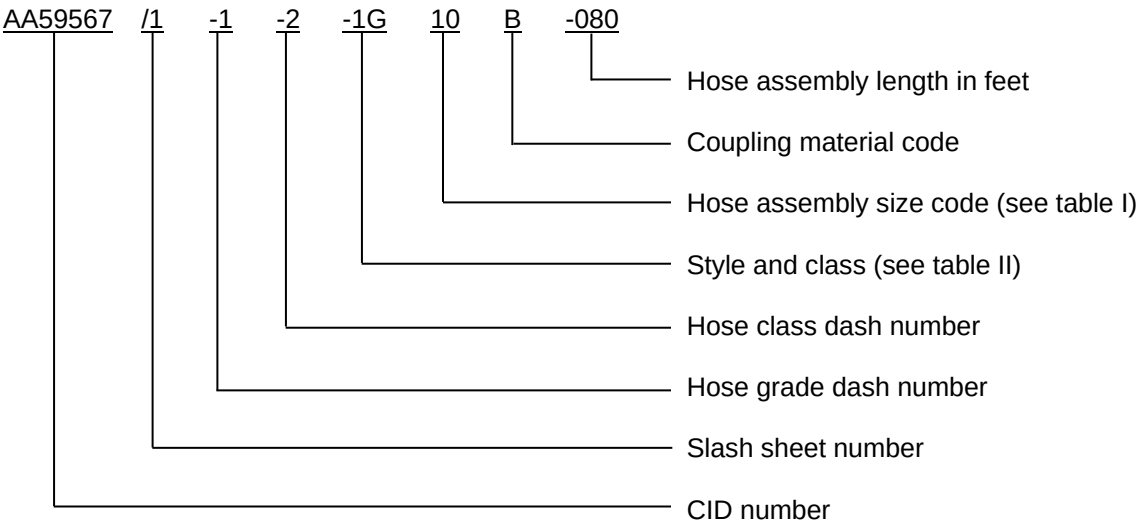
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

HOSE ASSEMBLIES, GARDEN, WATER, AND WATER SUCTION, RIBBED SHANK (SHORT OR LONG), WITH PIN OR HEX LUG SWIVEL

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, ribbed shank (short or long), with pin or hex lug swivel 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: VA**I**, 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 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.

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.

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

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

Tightening provisions. The male section shall have either lugs or wrench flats, and the swivel nut on the female section shall have rocker lugs, pin lugs, or wrench flats, see figure 1.

Class A couplings (see table I). 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 (see table I). 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.

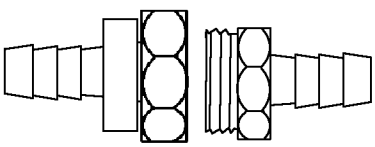
Threads. Threads shall be either NH or NPSH in accordance with FED-STD-H28/10, see table II.

NOTE: NH and NPSH threads are not interchangeable.

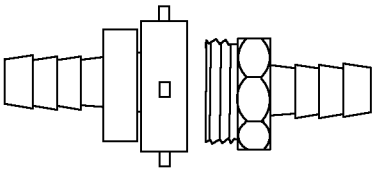
Couplings type I styles 1and 3. Type I styles 1 and 3 couplings shall be in accordance with A-A-59614/1 (short shank) or A-A59614/3 (long shank).

Couplings type I styles 2 and 4. Type I styles 2 and 4 couplings shall be in accordance with A-A-59614/2 (short shank) or A-A59614/4 (long shank).

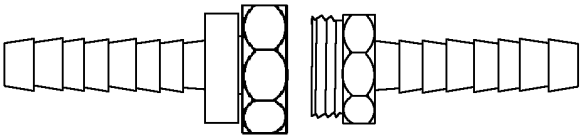
Female section. Female section shall have a swivel nut; with gasket recess in swivel (recess may be omitted provided the standard commercial gasket does not fall out when the two sections are disconnected).



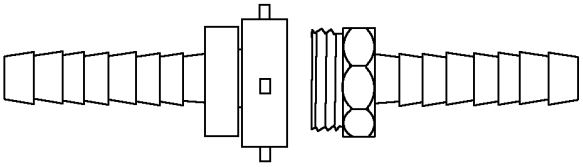
STYLE 1 SHORT SHANK



STYLE 2 SHORT SHANK - PIN LUG



STYLE 3 LONG SHANK



STYLE 4 LONG SHANK - PIN LUG

FIGURE 1. Type I ribbed shank class.

TABLE I. Size codes for hose assemblies.

PIN size code	Hose assembly size	Class A couplings size	Class AA coupling size
8	.500	.50	—
10	.625	.625	—
12	.750	.75	.75
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 code 1/	Style see figures 1 and 2	Class see table I	Thread type	Hose clamp type designator 2/	Ferrule designator 3/
1G	1	A	NH	A, B, C, D, E, or F	CA, R, or Z
1GS	1	A	NPSH		
1W	1	AA	NH		
1WS	1	AA	NPSH		
2G	2	A	NH		
2GS	2	A	NPSH		
2BG	2	A	NH		
2BGS	2	A	NPSH		
2W	2	AA	NH		
2WS	2	AA	NPSH		
2BW	2	AA	NH		
2BWS	2	AA	NPSH		
3G	3	A	NH		
3GS	3	A	NPSH		
3W	3	AA	NH		
3WS	3	A	NPSH		
4G	4	AA	NH		
4GS	4	AA	NPSH		
4BG	4	A	NH		
4BGS	4	A	NPSH		
4W	4	AA	NH		
4WS	4	AA	NPSH		
4BW	4	AA	NH		
4BWS	4	AA	NPSH		

1/ The “B” designator is for pin lugs on both male and female coupling halves.
2/ Hose clamp designator, see figure 2.
3/ Ferrule material see table IV.

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

TABLE III. Material types and designator.

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

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

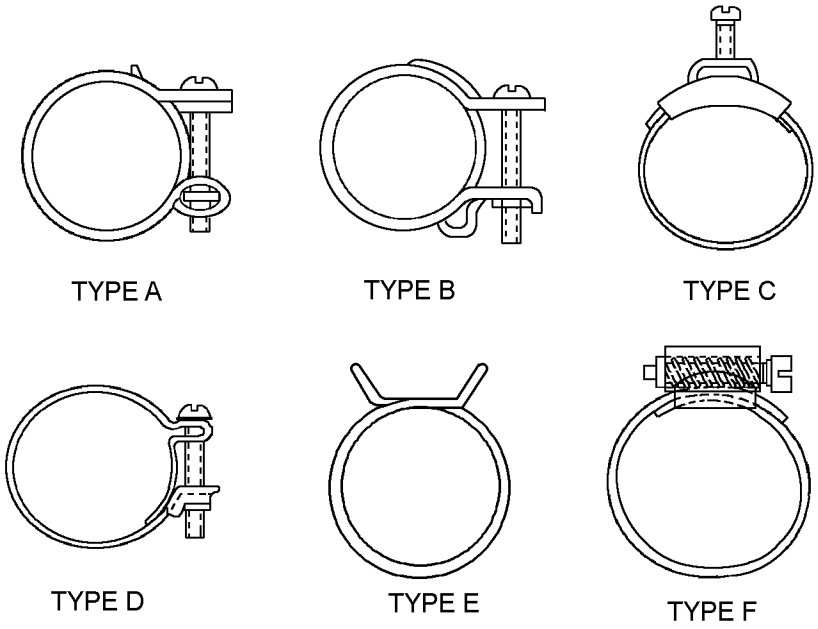


FIGURE 2. Hose clamp types.

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.

Long shank. Long shank hose assemblies shall have two or more clamps for sealing of couplings to hose.

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-59614/1	-	Coupling Assembly, Hose (Garden, Water, and Water Suction), Short Shank with Octagon or Hex Swivel, Style 1, Type I

A-A-59614/2	-	Coupling Assembly, Hose (Garden, Water, and Water Suction), Short Shank with Pin Lug Swivel, Style 2, Type I
A-A-59614/3	-	Coupling Assembly, Hose (Garden, Water, and Water Suction), Long Shank with Octagon or Hex Swivel, Style 3, Type I
A-A-59614/4	-	Coupling Assembly, Hose (Garden, Water, and Water Suction), Long Shank with Pin Lug Swivel, Style 4, Type I

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.)

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 ejenkusky@whsmithco.com
30659	Moon American Inc. 167-B SW Cutoff Worchester, 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 4720-2014-039)

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/.