

INCH-POUND

A-A-59614/3A

18 March 2015

SUPERSEDING

A-A-59614/3

13 January 2014

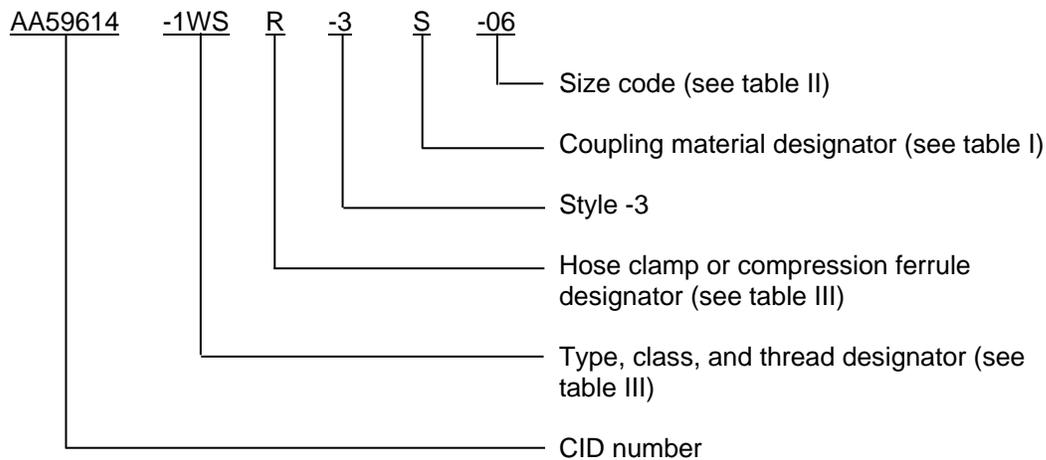
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

COUPLING ASSEMBLY, HOSE (GARDEN, WATER, AND WATER SUCTION),
LONG SHANK WITH OCTAGON OR HEX SWIVEL, TYPE I, STYLE 3

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

The complete requirements for procuring the hose coupling assemblies described herein shall consist of
this document and the latest issue in effect of A-A-59614.

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. Coupling assemblies supplied to this CID specification sheet shall
meet the general requirements specified in A-A-59614 and be as specified herein (see figure 1).

AMSC N/A

FSC 4730



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Construction. Unless otherwise specified, style 3, type I coupling components shall consist of the following (see figure 1):

- a. Female section.
- b. Swivel nut for female section.
- c. Male section.
- d. Threads GHT, NH, or NPSH in accordance with A-A-59614.
- e. Gasket recess in swivel (recess may be omitted provided the standard commercial gasket does not fall out when the two sections are disconnected).
- f. Four hose clamps or compression ferrules (outside crimp), two for each male and female section.

Materials. Coupling parts shall be cast or machined from copper alloy (brass), corrosion resistant steel (CRES), steel, or zinc-base alloy, see table I.

TABLE I. Coupling material.

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

Class A couplings (garden hose). When attached to hose, class A couplings shall be able to withstand hydrostatic proof pressure of 100 psi for at least one minute without showing any signs of leakage.

Class AA couplings (water hose). When attached to hose, class AA couplings shall be able to withstand a hydrostatic proof pressure test of 150 psi for size .750 through 1.000 inch, 125 psi for sizes 1.250 and 1.500 inch, 100 psi for sizes 2.000 through 6.000 inch, for at least one minute without showing any signs of leakage, see figure 1.

Class A and class AA size and size codes. For available hose sizes and size codes for class A and class AA couplings see table II. Hose size and connection size are the same except for class A garden hose which are all 3/4 GHT.

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TABLE II. Size codes for class A and AA. 1/

PIN size code	Class A size	Class AA size
-04	.500	—
-05	.625	—
-06	.750	.750
-08	—	1.000
-10	—	1.250
-12	—	1.500
-16	—	2.000
-20	—	2.500
-24	—	3.000
-28	—	3.500
-32	—	4.000
-34	—	4.500
-40	—	5.000
-48	—	6.000

1/ The size indicates the nominal size of the coupling to fit the hose inside diameter (ID). For example, size .500 is for a coupling to fit the .500 inch nominal ID hose.

TABLE III. PIN codes for type, class, thread, hose clamp or compression ferrule.

Type, class, and thread designator	Class (see table II)	Thread type	Hose clamp type designator (see figure 2)	Compression ferrule designator (see table V)
1G	A	3/4 GHT	A, B, C, D, E, or F	CA, R, or Z
1W	AA	NH	A, B, C, D, E, or F	CA, R, or Z
1WS	AA	NPSH		
1WG 1/	AA	3/4 GHT		

1/ For PIN code hose size -06 only.

Coupling hose threads for class A (garden hose) . Coupling hose threads for class A shall be 3/4 garden hose threads (GHT). Thread is same for all size hose's see table II. Not compatible with other thread types and requires a gasket seal also refer to A-A-59614 and table III.

Coupling hose threads for class AA (Water hose). Coupling hose threads for class AA shall be either NH or NPSH in accordance with FED-STD-H28/10, also refer to A-A-59614 and table III, requires a gasket seal.

NOTE: NH and NPSH threads are not interchangeable.

Class A and class AA size and size codes. For available hose sizes and size codes for class A and class AA couplings see table II. Hose size and connection size are the same except for class A garden hose which are all 3/4 GHT see table IV.

Table IV. Garden hose long shank to 3/4 GHT.

Garden hose long shank to 3/4 GHT	
Male	Female
.500 Long shank x 3/4 "-11.5 GHT Male	.500 long shank x 3/4 "-11.5 GHT Female
.625 long shank x 3/4 "-11.5 GHT Male	.625 long shank x 3/4 "-11.5 GHT Female
.750 long shank x 3/4 "-11.5 GHT Male	.750 long shank x 3/4 "-11.5 GHT Female
1.000 shank x 3/4 "-11.5 GHT Male	1.000 long shank x 3/4 "-11.5 GHT Female

Hose clamps. Hose clamps shall be in accordance with A-A-52506, see figure 2 for hose clamp types and designators.

Compression ferrule. Compression ferrules shall be in accordance with A-A-59614, see table V for material designators.

TABLE V. Compression ferrule material designators.

Designator	Material	Plating
CA	Copper alloy (brass)	---
R	Corrosion resistant steel (CRES)	---
S	Steel	Zinc

Hose clamps and compression ferrules. Four (4) hose clamps or compression ferrules shall be furnished for each coupling assembly.

Hose clamps and compression ferrules installation. Hose clamps or compression ferrules shall not extend closer than .062 inches to the end of the shank.

Tightening provisions. Wrenching surfaces may be octagon or hexagon and shall be located on the swivel nut only.

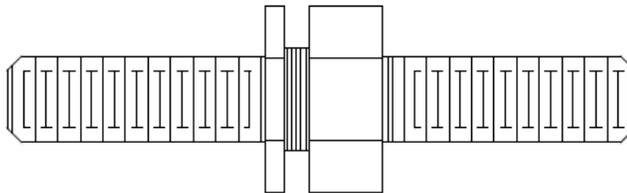
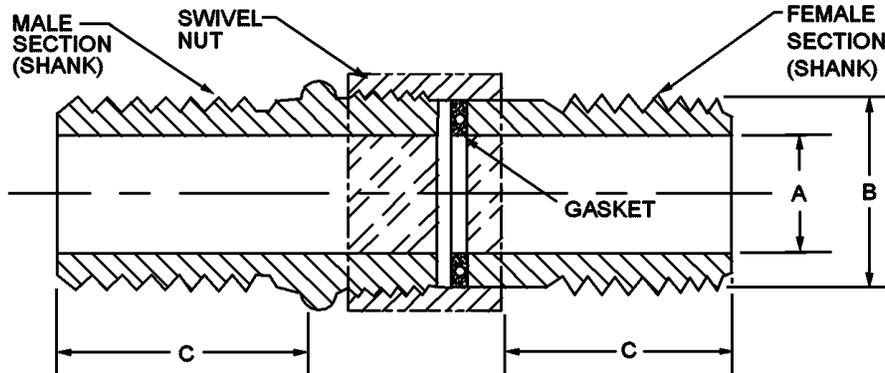


FIGURE 1. Style 3, type I, class A or AA couplings.

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Hose size	C min.
.500	1.125
.625	1.125
.750	1.125
1.000	2.000
1.250	2.000
1.500	2.500
2.000	3.500
2.500	4.000
3.000	5.000
3.500	5.500
4.000	5.750
4.500	5.875
5.000	5.875
6.000	6.500

NOTES.

1. Dimension A shall be sized so as not to restrict the free flow of the hose attached.
2. Dimension B shall be as required to accommodate the hose specified.
3. Dimension C shall be as required to meet the pull-off and leakage requirements and to accommodate the required hose clamp(s) or ferrule(s).

FIGURE 1. Style 3, type I, class A or AA couplings - Continued.

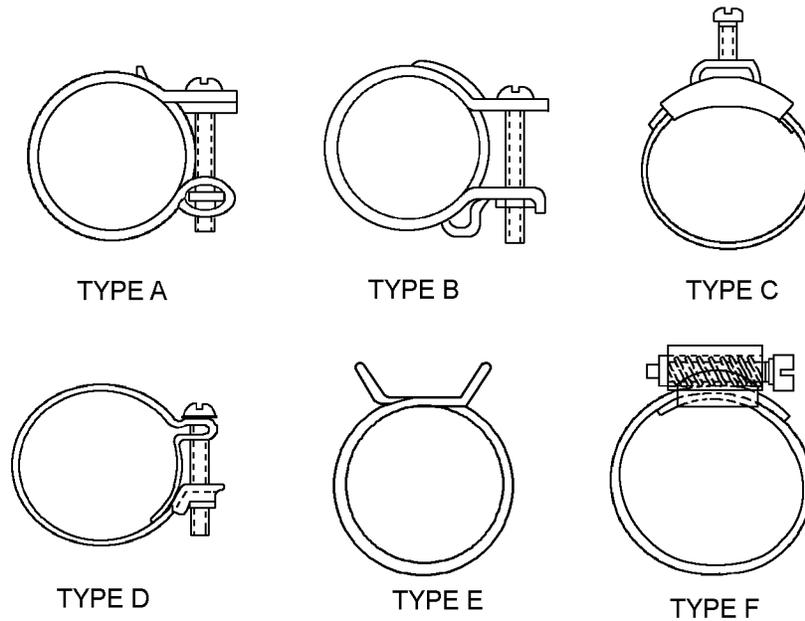


FIGURE 2. Hose clamp types.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See classification information for PIN format example.

Source of documents.

COMMERCIAL ITEM DESCRIPTIONS

- A-A-52506 - Clamps, Hose
- A-A-59614 - Coupling Assembly, Hose (Garden, Water, and Water Suction)

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: 1-508-798-8887 Fax number: 1-508-798-7839 sales@moon-american.com www.moon-american.com
72661	Dixon Valve & Coupling Co 800 High Street Chestertown, MD 21620 Phone number: 877-963-4966 Sales@dixonvalve.com https://www.dixonvalve.com/

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

TABLE VI. P/N supersession data.

CID PIN	MFG CAGE	MFR's P/N 1/	Size	Material
AA596141WG*-3B-16	72661	BC74	.500	Brass
AA596141WG*-3B-20	72661	BC75	.625	Brass
AA596141WG*-3B-24	72661	BC76	.750	Brass
AA596141WG*-3B-32	72661	BC78	1.000	Brass
AA596141WG*-3R-10	72661	SSC74	.500	CRES
AA596141WG*-3R-12	72661	SSC75	.625	CRES
AA596141WG*-3R-16	72661	SSC 76	.750	CRES

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements see A-A-59614.

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

TABLE VII. P/N data.

PIN	Superseded PIN	Superseded P/N	NSN
AA596141WSR-3B-12	AA59614-1W-3-12	WWC624-1W-3-12	4730-00-289-4623

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

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 4730-2015-009)

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/>.