

INCH-POUND
A-A-59614/6A
18 March 2015
SUPERSEDING
A-A-59614/6
13 January 2014

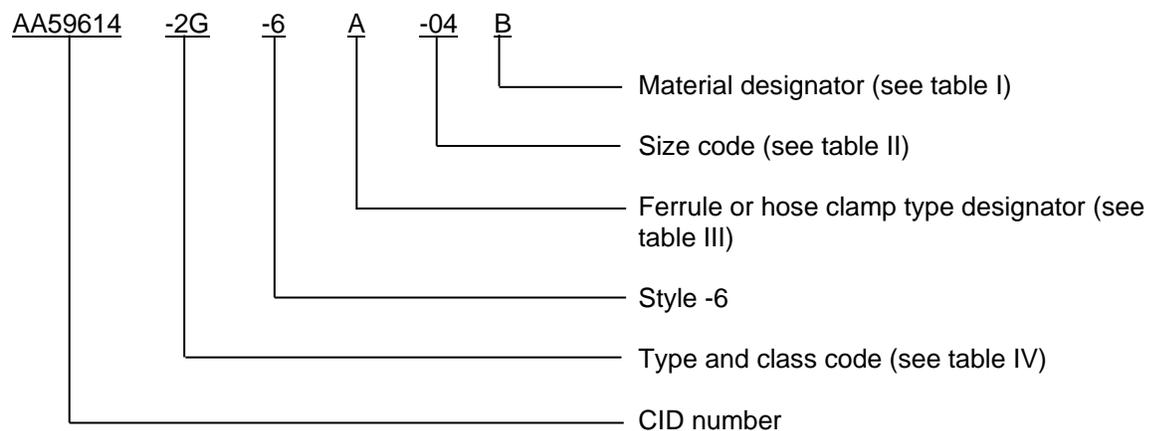
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

COUPLING ASSEMBLY, HOSE (GARDEN AND WATER),
COMPRESSION FERRULE, CRIMP OR HOSE CLAMP, TYPE II, STYLE 6

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).

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



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Construction. Unless otherwise specified, type II couplings components shall consist of the following (see figure 1):

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

Materials.

Materials. Coupling parts shall be sheet brass or heat stabilized 6/6 nylon, see table I.

TABLE I. Coupling material.

Material designator	Material	Plating
B	Copper alloy (brass)	---
N	Nylon 6/6 heat stabilized	---

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 A size and size codes. For available sizes and size codes for class A couplings see table II.

TABLE II. Size codes for all types. ^{1/}

PIN size code	Class A size
-04	.500
-05	.625
-06	.750

^{1/} The size indicates the nominal size of the coupling to fit the hose inside diameter (ID). For example, size-04 (.500) is for a coupling to fit the .500 inch nominal ID hose.

Threads.

Threads for class A (brass) Threads for class A shall be NHR (rolled) of FED-STD-H28/10 when design of the coupling is of thin material that will not permit cut-threads and still meet the pull and proof tests of A-A-59614. Threads shall be NH (cut) on the swivel nut for the female section and NH (cut or cast) on the male shank of couplings designed of thick material.(cut) on the swivel nut for the female section and NH (cut or cast) on the male shank see table III.

Nylon threads shall be .750 garden hose thread (GHT).

Table III. Garden hose barb to garden hose threads.

Garden hose barb to threads		
Nom. ID size of hose	Threads per inch	Thread designation
1/2, 5/8, 3/4	11.5	0.75-11.5 NH
1/2, 5/8, 3/4	11.5	0.75-11.5 NHR

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

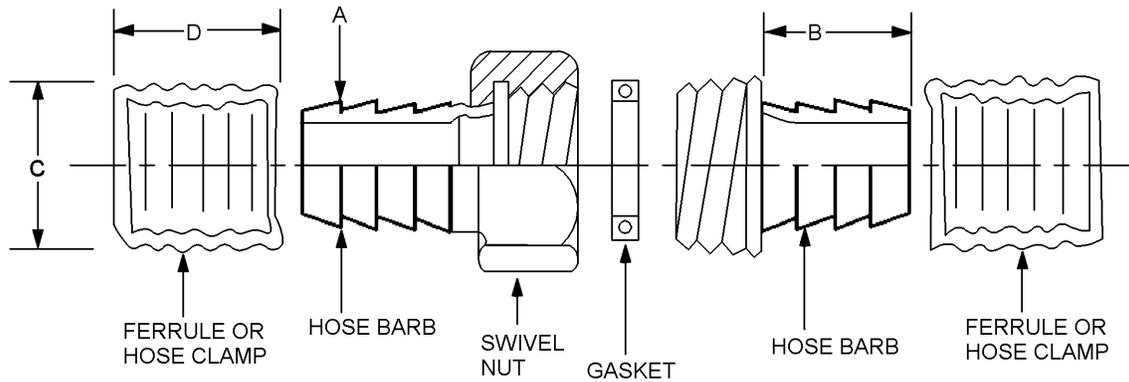
Use of hose clamps. With the use of hose clamps the hose assemblies are field repairable.

Compression ferrules material. Compression ferrules when specified shall be from copper alloy (see table IV for designator).

Hose clamps and ferrules. Two (2) hose clamps or compression ferrules shall be furnished for each coupling assembly.

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

PIN type and class designator	Class	Threads	Compression ferrule designator	Hose clamp type designator (see figure 3)
2G	A	NH, or NHR	CA	A, B, C, D, E, or F
2N	A	GTH		



Notes.

1. Dimension A shall be sized so as to suit the inside diameter (ID) of the hose specified.
2. Dimension B shall be as required to meet the pull-off and leakage requirements.
3. Dimension C and D shall be sized to suit the outside diameter of the hose specified and meet the pull-off and leakage requirements.
4. Dimension D shall not exceed dimension B and shall not extend closer than .062 inch to the end of the shank.
5. Wrenching surfaces may be octagon, hexagon, ridged, or knurled and shall be located on the swivel nut only.

FIGURE 1. Style 6, type II, class A couplings.

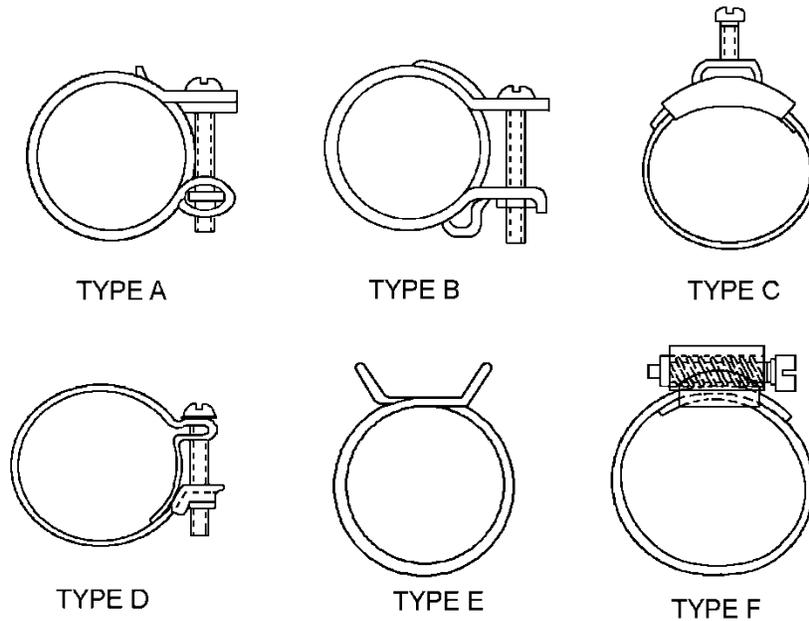


FIGURE 3. Clamp types.

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)

(Copies of these documents are available online at <http://quicksearch.dla.mil>.)

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

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 4730-2015-012)

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/>.