

INCH-POUND

A-A-59614/5A

18 March 2015

SUPERSEDING

A-A-59614/5

13 January 2014

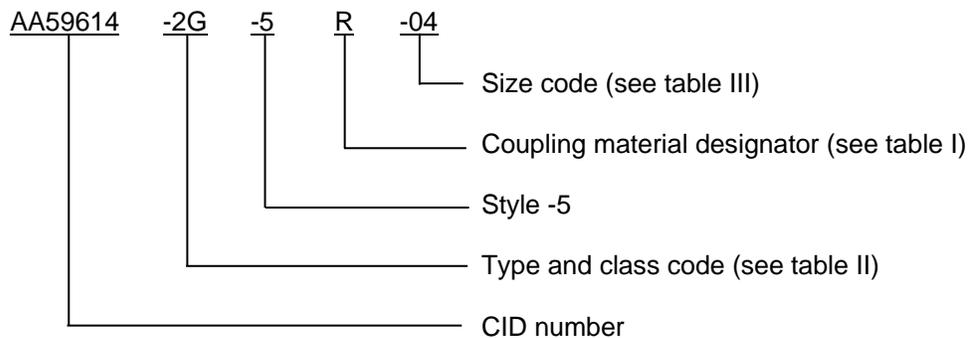
COMMERCIAL ITEM DESCRIPTION  
SPECIFICATION SHEET

COUPLING ASSEMBLY, HOSE (GARDEN AND WATER),  
EXPANSION SHANK, TYPE II, STYLE 5

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).

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

- Female section with expandable shank.
- Male section with expandable shank.
- Threads NHR or NH in accordance with A-A-59614.
- Gasket recess in swivel (recess may be omitted provided the standard commercial gasket does  
not fall out when the two sections are disconnected).
- Two ferrules (one for each male and female section).

AMSC N/A

FSC 4730



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Materials. Coupling parts shall be sheet brass, see table I.

TABLE I. Coupling material.

Material designator	Material	Plating
B	Copper alloy (brass)	---

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

Threads.

Threads for class A (garden hose). 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.

TABLE II. PIN codes for type and class.

PIN type and class code	Thread type	Class
2G	3/4 NH or NHR	A

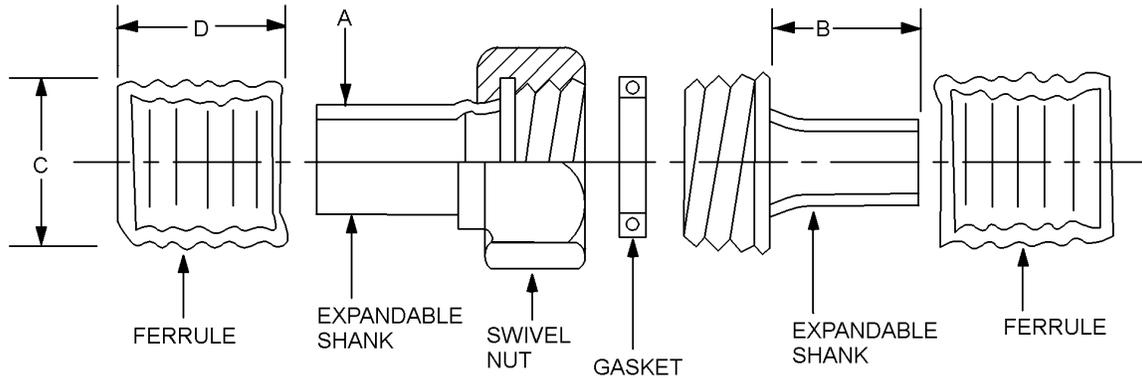
TABLE III. Size codes for all types. 1/

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 with that inside diameter (ID). For example, size .500 is for a coupling to fit the .500 inch ID hose.

Ferrules. Two (2) hose ferrules shall be furnished for each coupling assembly.

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Hose size	B min.
.500	1.50
.625	1.50
.750	1.50

Notes.

1. Dimension A shall be sized so as to suit the inside diameter (ID) of the hose specified.
2. Dimensions C and D shall be sized to suit the outside diameter of the hose specified and meet the pull-off and leakage requirements.
3. Dimension D shall not exceed dimension B and shall not extend closer than .062 inches to the end of the shank.

FIGURE 1. Style 5, type II, class A coupling.

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

Expansion coupling. An expansion coupling is used to help accommodate for the expansion and contraction effect on a hose due to temperature changes. These types of fittings are best used when temperature changes of 25°F are expected.

Tooling. Internally expanded couplings requires special tooling to attach couplings to hose. All couplings shall come complete with male and female coupling halves, ferrule, and gasket.

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

(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.)

MFR's CAGE

MFR's name and address

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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](mailto:sales@whsmithco.com)  
[www.labargepro.com](http://www.labargepro.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:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians:

Army - AT  
Navy - SH  
Air Force - 99  
DLA - CC

GSA-FSS

Preparing activity:  
DLA - CC

Project 4730-2015-011

Review activities:

Navy - SA  
Air Force - 71

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/>.