

INCH-POUND
A-A-59614/7A
18 March 2015
Supersceding
A-A-59614/7
13 January 2014

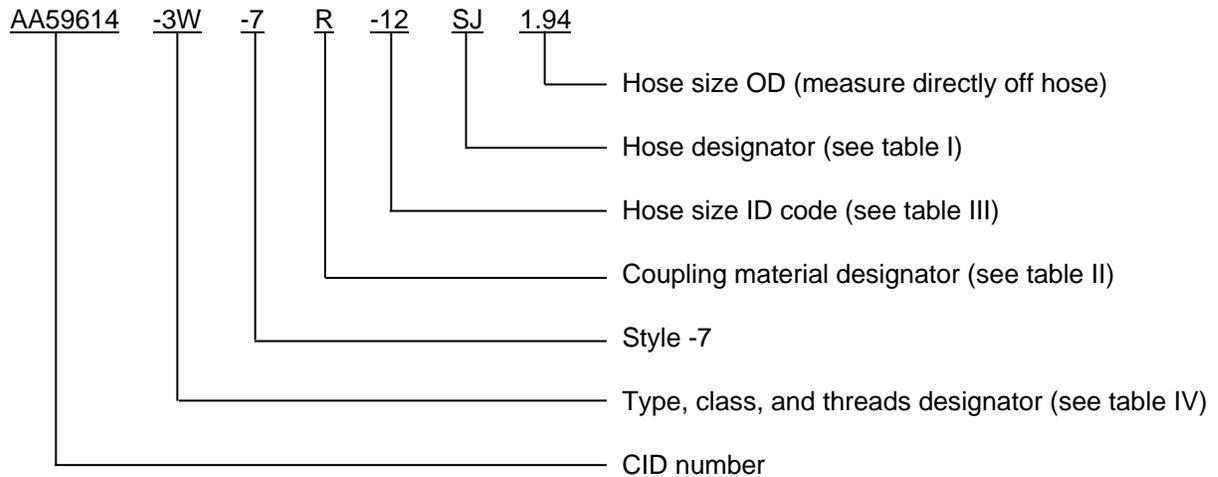
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

COUPLING ASSEMBLY, HOSE (WATER AND WATER SUCTION),
ROCKER LUG SWIVEL, TYPE III, STYLE 7

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. Brass couplings female and male section shall have rocker lugs. Steel or
corrosion resistant steel (CRES) female section shall have rocker lugs; male section shall have pin holes.



A-A-59614/7A

Table I. Hose type designators.

Hose designator	Hose type
SJ	Single jacket collapsible hose
DJ	Double jacketed collapsible hose
HR	Hard rubber hose
SS	Soft suction hose
HS	Hard suction hose

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

- a. One female side with bowl and one male side with bowl.
- b. Swivel rocker lug.
- c. Three gasket recesses (one in each bowl and one in swivel).
- d. Expansion ring, one for each bowl.
- e. Threads NH or NPSH in accordance with A-A-59614.

Materials. Coupling parts shall be cast or machined, pressed or extruded from copper alloy (brass), corrosion resistant steel (CRES), or steel, see table II.

TABLE II. Coupling material.

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

Class B couplings. When attached to hose, class B couplings shall be able to withstand an internal hydrostatic pressure of 250 psi for size 1.500 inch, 200 psi for sizes 2.000 through 4.000 inch sizes, for at least one minute without showing any signs of leakage, see table III.

TABLE III. Size codes for all types.. 1/

PIN size code	Class B size
-12	1.500
-16	2.000
-20	2.500
-24	3.000
-28	3.500
-32	4.000

1/ The size indicates the nominal size of the coupling to fit the hose inside diameter (ID). For example, size 1.500 is for a coupling to fit the 1.500 inch nominal ID hose.

Coupling hose threads. Coupling hose threads shall be either NH or NPSH in accordance with FED-STD-H28/10.

NOTE: NH and NPSH threads are not interchangeable.

PIN codes for type, class, and threads. PIN codes for type, class, and threads see table IV.

TABLE IV. PIN codes for type, class, and threads.

PIN type and class code 1/	Thread type
3W	NH
3PW	NPSH

Hose OD. The OD of hose is required to properly size the bowl, measure directly from the hose, see figure 1 "A" dimension.

Expansion rings. Two (2) expansion rings shall be furnished for each coupling assembly.

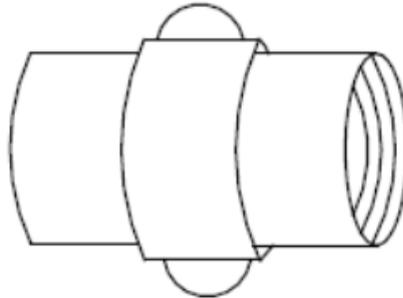
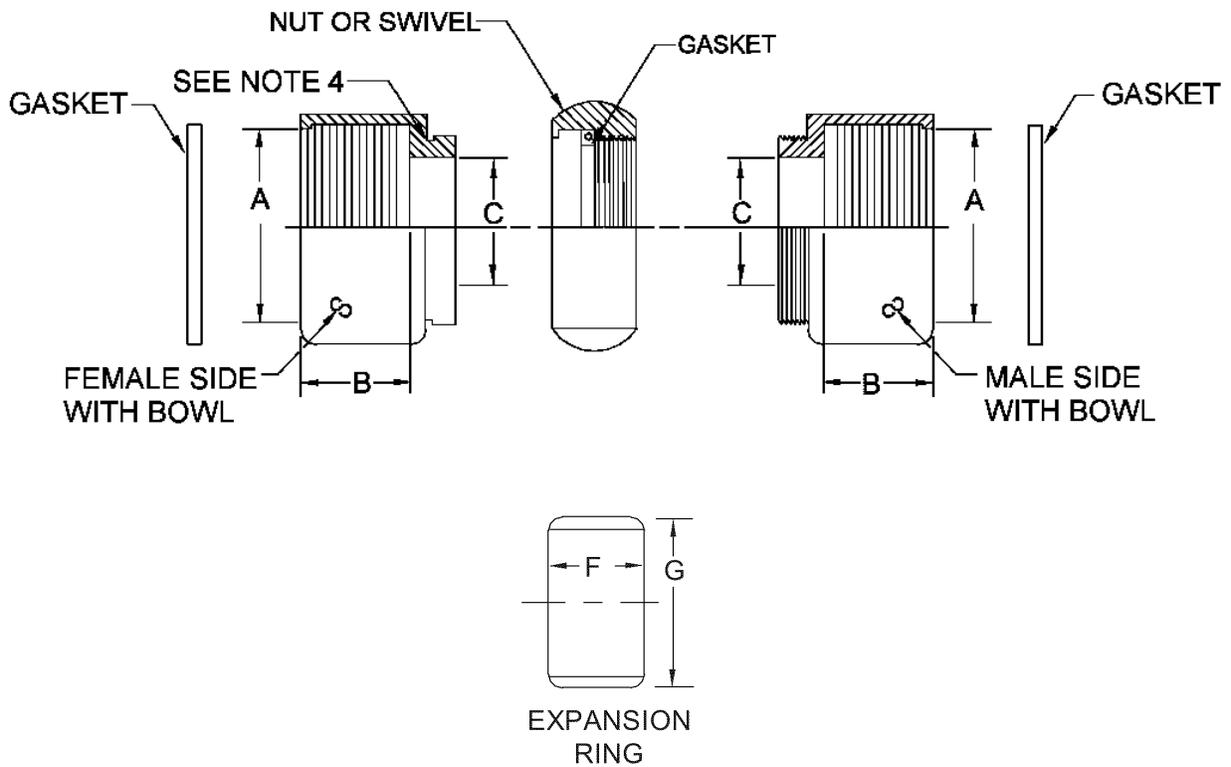


FIGURE 1. Style 7, type III, class B couplings.

A-A-59614/7A



Hose size	B min.	F min.
1.50	1.50	1.25
2.00	1.50	1.25
2.50	1.75	1.40
3.00	2.25	1.875
3.50	2.25	2.00
4.00	2.25	2.00

NOTES.

1. Dimension A, bowl size, measured directly off the OD of the hose.
2. Dimension G shall be as required to fit the specified hose.
3. Dimension C shall be so sized as not to restrict the free flow of the hose.
4. Pellets, ball bearings, or square-cross-section piston-ring attachment of the swivel to the hose bowl may be used in place of groove shown.

FIGURE 1. Style 7, type III, class B couplings - Continued.

Tooling. Internally expanded couplings requires special tooling to attach couplings to hose. All couplings shall come complete with expansion rings, swivel and tail washers.

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)

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/

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness 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 4730-2015-013)

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/>.