

INCH-POUND

MS18229C(SH)

w/AMENDMENT 1

19 December 2017

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SUPERSEDING

MS18229C(SH)

31 January 2017

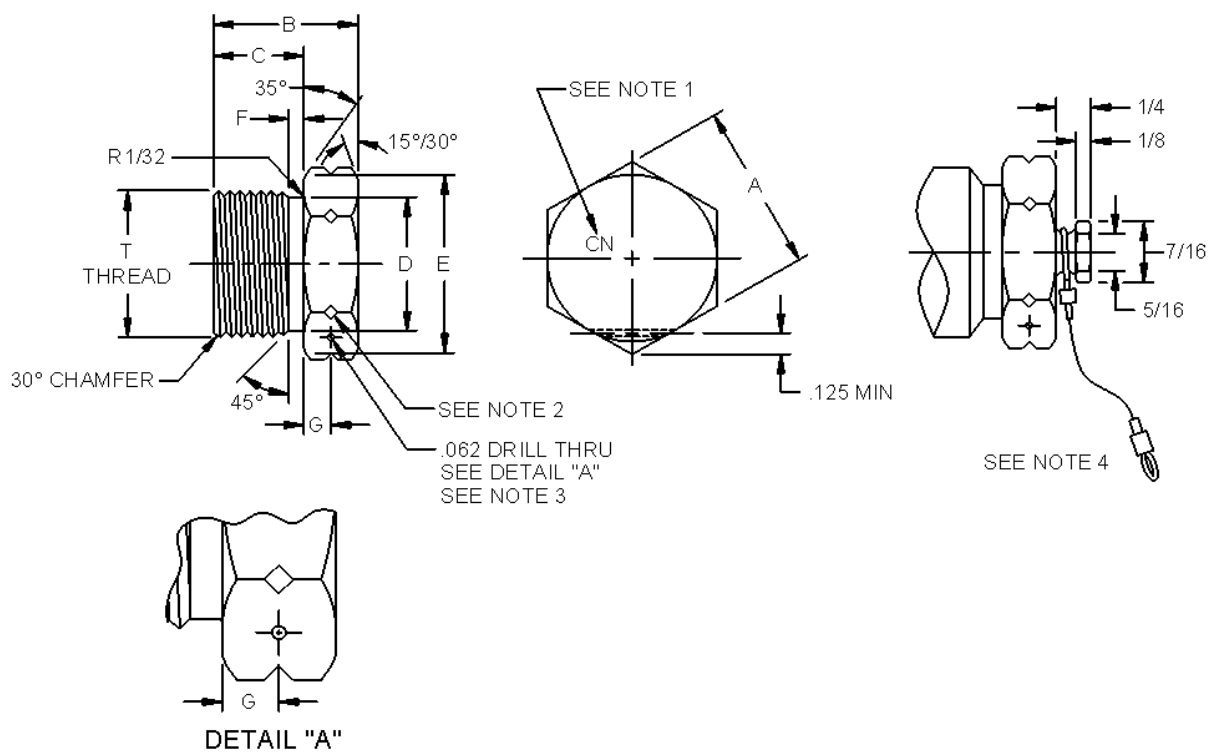
MILITARY SPECIFICATION SHEET

PLUG FOR O-RING GASKET

This specification sheet is approved for use by the Naval Sea Systems Command and is available for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet.

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NOTES:

- Each plug shall be marked on the hex head in accordance with MIL-STD-792 with one of the following material designators:

<u>Ferrous metal</u>	<u>Designator</u>
Carbon steel	CS
Stainless steel	SS
Corrosion resistant steel	CR
<u>Non-ferrous metal</u>	<u>Designator</u>
Copper nickel	CN
Nickel copper	NC
Tin bronze	TB
Titanium	TI

Material identification shall be specified by adding the appropriate designator to the dash number (see [table I](#)). The designator is only for identification purposes and does not replace pertinent material data required by the applicable material specification.

- When non-ferrous designators are specified in accordance with Note 1 above, the notched hex corners (60-degree included angle, 0.030 to 0.04 5inch deep) shall be provided.
- Lockwire holes shall be specified by adding "L" after the material designator.
- Lanyard retainer posts shall be specified by adding "Y" after the material designator or lockwire hole designator (if applicable).
- Dimension E is a reference dimension of the inner plug face chamfer.
- Dimensions and sizes are in inches.

FIGURE 1. Plug for O-ring gasket.

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TABLE I. Dimensions and sizes for plug for O-ring gasket.

Dash no.	Tube OD	"T" straight thread (UN-2A)	A Hexagon across flats	B $\pm\frac{1}{64}$	C $\pm 0.005$	D $+0.002/-0.003$	E $\pm\frac{1}{64}$	F $\pm 0.005$	G $\pm 0.015$	O-ring AS568
02	$\frac{1}{8}$	$\frac{5}{16} - 24$	$\frac{7}{16}$	$\frac{17}{32}$	0.297	0.250	$\frac{1}{2}$	0.074	0.117	-902
03	$\frac{3}{16}$	$\frac{3}{8} - 24$	$\frac{1}{2}$	$\frac{17}{32}$	0.297	0.313	$\frac{9}{16}$	0.074	0.117	-903
04	$\frac{1}{4}$	$\frac{7}{16} - 20$	$\frac{9}{16}$	$\frac{39}{64}$	0.360	0.364	$\frac{5}{8}$	0.093	0.125	-904
05	$\frac{5}{16}$	$\frac{1}{2} - 20$	$\frac{5}{8}$	$\frac{39}{64}$	0.360	0.427	$\frac{11}{16}$	0.093	0.125	-905
06	$\frac{3}{8}$	$\frac{9}{16} - 18$	$\frac{11}{16}$	$\frac{11}{16}$	0.391	0.482	$\frac{3}{4}$	0.097	0.148	-906
08	$\frac{1}{2}$	$\frac{3}{4} - 16$	$\frac{7}{8}$	$\frac{3}{4}$	0.438	0.660	$\frac{15}{16}$	0.100	0.156	-908
10	$\frac{5}{8}$	$\frac{7}{8} - 14$	1	$\frac{3}{16}$	0.500	0.773	$1\frac{1}{16}$	0.100	0.156	-910
12	$\frac{3}{4}$	$1\frac{1}{16} - 12$	$1\frac{1}{4}$	1	0.594	0.945	$1\frac{5}{16}$	0.130	0.203	-912
14	$\frac{7}{8}$	$1\frac{3}{16} - 12$	$1\frac{3}{8}$	1	0.594	1.070	$1\frac{7}{16}$	0.130	0.203	-914
16	1	$1\frac{5}{16} - 12$	$1\frac{1}{2}$	1	0.594	1.195	$1\frac{9}{16}$	0.130	0.203	-916
20	$1\frac{1}{4}$	$1\frac{5}{8} - 12$	$1\frac{7}{8}$	1	0.594	1.507	$1\frac{15}{16}$	0.132	0.203	-920
24	$1\frac{1}{2}$	$1\frac{7}{8} - 12$	$2\frac{1}{8}$	1	0.594	1.756	$2\frac{3}{16}$	0.132	0.203	-924
32	2	$2\frac{1}{2} - 12$	$2\frac{3}{4}$	1	0.594	2.381	$2\frac{13}{16}$	0.132	0.203	-932
NOTES: 1. Dimensions and sizes are in inches. 2. OD = Outer Diameter.										

Example of part numbers:

MS18229-6CS – Plug,  $\frac{3}{8}$  Tubing, Carbon Steel

MS18229-6TIL – Plug,  $\frac{3}{8}$  Tubing, Titanium, with Lockwire Hole (Hex Notches)

MS18229-6NCY – Plug,  $\frac{3}{8}$  Tubing, Nickel Copper, with Lanyard Retainer Post (Hex Notches)

MS18229-6CRLY – Plug,  $\frac{3}{8}$  Tubing, Corrosion Resistant Steel, with Lockwire Hole, and Lanyard Retainer Post

**Amendment notations.** The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

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CONCLUDING MATERIAL

Custodian:  
Navy – SH

Preparing activity:  
Navy – SH  
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DLA – CC

NOTE: The activities listed above were interested in this document as of 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>.