

INCH-POUND

MS39199G  
30 August 2012  
SUPERSEDING  
MS39199F  
1 February 2002

DETAIL SPECIFICATION SHEET

NIPPLE, TUBE-SAFETY SLEEVE COMPRESSION

Inactive for new design  
after 29 December 1967.

TYPE, BULKHEAD MOUNTING

This specification is approved 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.

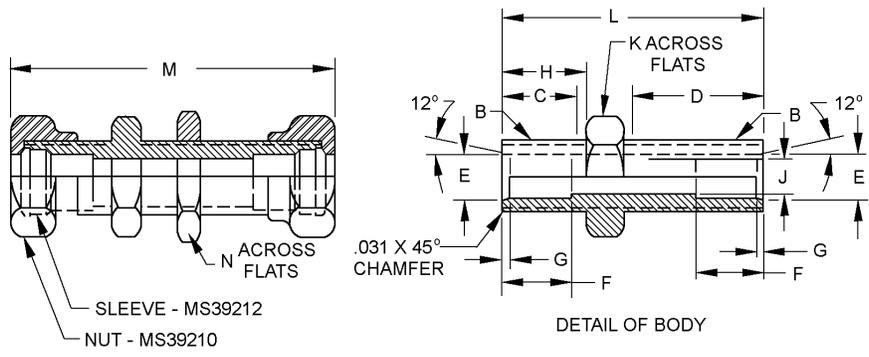


FIGURE 1. Nipples, tube-safety sleeve compression type, bulkhead mounting.

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TABLE I. Nipples, tube-safety sleeve compression type, bulkhead mounting. 1/ 2/

Dash No.	Tube OD	B	C Thread Length	D Thread Length	E	F	G	H	J
1	1/8	5/16 24UNF-2A	7/32	11/16	.135 .139	13/64	1/8	9/32	3/32
2	3/16	3/8 24UNF-2A	7/32	3/4	.196 .200	1/4	5/32	9/32	1/8
3	1/4	1/2 20UNF-2A	21/64	29/32	.261 .265	19/64	13/64	13/32	13/64
4	5/16	9/16 18UNF-2A	21/64	51/64	.324 .328	19/64	13/64	13/32	13/64
5	3/8	5/8 18UNF-2A	23/64	1-23/64	.386 .390	19/64	13/64	7/16	9/32
6	1/2	3/4 16UNF-2A	11/32	1-11/32	.514 .518	5/16	13/64	7/16	27/64
7	5/8	15/16 16UN-2A	23/64	1-3/8	.641 .645	11/32	15/64	15/32	1/2
8	3/4	1-1/16 16UN-2A	23/64	1-13/32	.766 .770	11/32	13/64	15/32	21/32
9	7/8	1-3/16 16UN-2A	23/64	1-13/32	.891 .895	11/32	13/64	15/32	23/32
10	1	1-5/16 16UN-2A	23/64	1-7/16	1.016 1.020	13/32	13/64	15/32	7/8
11	1-1/4	1-5/8 16UN-2A	7/16	1-35/64	1.270 1.274	13/32	13/64	35/64	1-5/64
12	1-1/2	1-7/8 16UN-2A	15/32	1-23/32	1.520 1.524	31/64	13/64	34/64	1-11/32

TABLE I. Nipples, tube-safety sleeve compression type, bulkhead mounting- Continued. 1/ 2/

K	L	M	N
1/2	1-1/4	1-7/8	1/2
9/16	1-5/16	2	9/16
11/16	1-21/32	2-15/32	11/16
3/4	1-17/32	2-9/32	13/16
13/16	2-1/8	3	13/16
15/16	2-1/8	3-3/16	15/16
1-1/8	2-3/16	3-1/4	1-1/8
1-1/4	2-1/4	3-7/16	1-1/4
1-3/8	2-1/4	3-7/16	1-3/8
1-1/2	2-5/16	3-1/2	1-1/2
1-13/16	2-9/16	3-13/16	1-13/16
2-1/16	2-7/8	4-1/4	2-1/16

1/ Dimensions are in inches.

2/ This illustration is for identification and is not intended to restrict designs or shapes not dimensioned

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Nipples. See table I.

Tolerances: Unless otherwise specified, decimals  $\pm 0.005$ , fractions  $\pm 1/64$ , degrees  $\pm 2^\circ$ .

Threads: The threads shall be in accordance with FED-STD-H28.

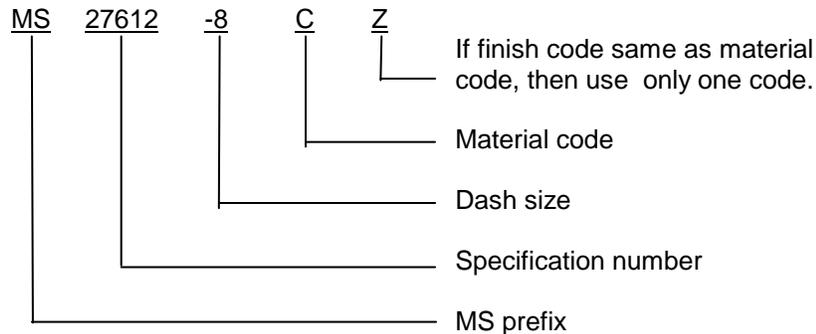
Material:

Code	Material:
C	Carbon Steel bar, type AISI-C-1112, C-1113, C-1117, C-1118 or C-1137 in accordance with SAE AIR4127.
F	Alloy steel in accordance with SAE AIR4127.
S	Corrosion resistant steel in accordance with SAE AMS5659, SAE AMS5862, or, alloy 15-5 PH in accordance with ASTM A564/A564M type XM-12 or UNS S15500 or SAE AMS 5665.

Finish:

Code	Chemical Finish;
C	Carbon steel: Cadmium in accordance SAE AMS-QQ-P-416, type II, class 3, 200μ inches to 300μ inches (5.08 μm to 7.62 μm) thick.
F	Alloy steel. Cadmium in accordance SAE AMS-QQ-P-416, type II, class 3, 200μ inches to 300μ inches (5.08 μm to 7.62 μm) thick.
S	Corrosion resistant steel: Passivate in accordance with SAE AMS2700, type 6 or 7.
Z	Steel, alternative chem finish: in accordance with ASTM B633, type VI, FeZn 25.

Part or Identifying Number (PIN) example: (PIN covers the complete item with nuts and sleeves.)



Guidance on use of alternative parts with less hazardous or non-hazardous materials. This specification provides an alternate material, zinc finish via the PIN. Users should select the PIN with the least hazardous material that meets the form, fit, and function requirements of their application.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Referenced documents. This document references the following:

FED-STD-H28	SAE AMS 5665
ASTM A564/A564M	SAE AMS5862
ASTM B633	SAE AMS2700
SAE AIR4127	SAE AMS-QQ-P-416
SAE AMS5659	MS39210
MS39212	

#### CONCLUDING MATERIAL

Custodians:

Army – AT  
Air Force - 99  
DLA – CC

Preparing activity:

DLA - CC

(Project 4730-2012-036)

Review activities:

Army-AR  
Air Force-71

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>.