

**INCH-POUND**

MIL-S-24235/19A(SH)

28 December 1992

SUPERSEDING

MIL-S-24235/19(SH)

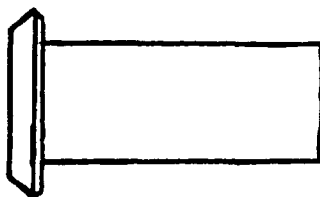
21 August 1989

## MILITARY SPECIFICATION SHEET

STUFFING TUBES, METAL, AND PACKING ASSEMBLIES FOR  
ELECTRIC CABLES, SEALING PLUG FOR UNUSED  
STUFFING TUBES

This specification is approved for use by the Naval Sea Systems Command, Department of the Navy, 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 and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-S-24235

FIGURE 1 Sealing plug

(01)

## NOTES.

1. Dimensions are in inches
2. Unless otherwise specified, tolerances shall be as follows:
  - Decimals - plus or minus 0.005 inch.
  - Fractions - plus or minus 1/64 inch.
  - Angular dimensions - plus or minus 30 minutes.

AMSC N/A

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FSC 5975

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

TABLE I. Sealing plug sizes

| Part or<br>identifying number<br>M24235/19 | Tube<br>size | Bar<br>or<br>NPS | DIM<br>a | DIA<br>b | DIM<br>c | Part or<br>identifying number<br>M24235/19 | Tube<br>size | Bar<br>or<br>NPS | DIM<br>a | DIA<br>b | DIM<br>c |
|--|--------------|------------------|----------|----------|----------|--|--------------|------------------|----------|----------|----------|
| -001                                       | OC           | 1/3/16           | 1        | 7/16     | 1/8      | -014                                       | M            | 1                | 3        | 1-3/4    | 3/16     |
| -002                                       | OB           | 1/1/4            | 1        | 1/2      | 1/8      | -015                                       | N            | 1                | 3        | 1-27/32  | 3/16     |
| -003                                       | OA           | 1/5/16           | 1        | 9/16     | 1/8      | -016                                       | P            | 1                | 3        | 1-15/16  | 3/16     |
| -004                                       | A            | 1/3/8            | 1-5/8    | 5/8      | 1/8      | -017                                       | R            | 1-1/4            | 3        | 2-1/16   | 3/16     |
| -005                                       | B            | 1/1/2            | 1-5/8    | 3/4      | 1/8      | -018                                       | S            | 1-1/4            | 5        | 2-3/16   | 3/16     |
| -006                                       | C            | 1/4              | 1-5/8    | 7/8      | 1/8      | -019                                       | T            | 1-1/2            | 5        | 2-3/8    | 3/16     |
| -007                                       | D            | 3/8              | 1-5/8    | 31/32    | 1/8      | -020                                       | V            | 1-1/2            | 5        | 2-1/2    | 3/16     |
| -008                                       | E            | 3/8              | 1-5/8    | 1-1/32   | 1/8      | -021                                       | W            | 1-1/2            | 5        | 2-5/8    | 3/16     |
| -009                                       | F            | 3/8              | 1-5/8    | 1-1/16   | 1/8      | -022                                       | X            | 2                | 5        | 2-13/16  | 3/16     |
| -010                                       | G            | 1/2              | 1-5/8    | 1-3/16   | 1/8      | -023                                       | Y            | 2                | 5        | 2-15/16  | 3/16     |
| -011                                       | J            | 3/4              | 1-5/8    | 1-3/8    | 3/16     | -024                                       | Z            | 2                | 5        | 3-3/32   | 3/16     |
| -012                                       | K            | 3/4              | 3        | 1-1/2    | 3/16     | -025                                       | AA           | 2                | 3-5/16   | 3-3/16   | 3/16     |
| -013                                       | L            | 3/4              | 3        | 1-19/32  | 3/16     |  |              |                  |          |          |          |

L/ Round bar or rods only.

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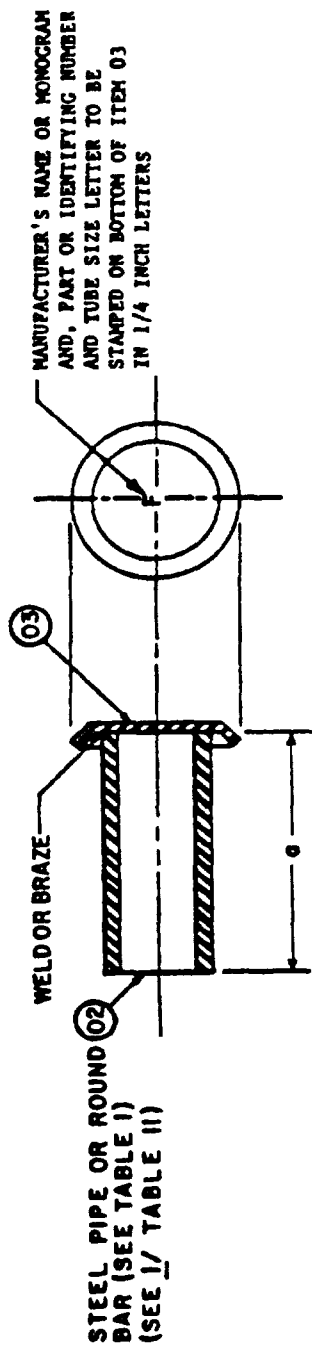


FIGURE 2 Plug assembly (02)

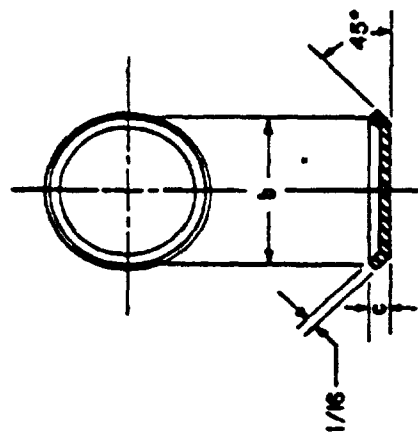


FIGURE 3 Disc (03)

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## REQUIREMENTS

1. Design

- (a) See figures 1 through 3 and table I. Parts shall be assembled prior to machining to ensure proper alignment
- (b) Items 2 and 3 may be made in one piece from solid rod in lieu of being a welded or brayed assembly

- 2 Intended use Sealing plugs covered herein are intended for use only where design changes necessitate elimination of cables in stuffing tubes already installed.

TABLE II. Parts list

| Item no. | Description  | Qty | Material and specification     | Remarks                         |
|----------|--------------|-----|--------------------------------|---------------------------------|
| 01       | Sealing plug | -   | ---                            | See figures 1 and 2 and table I |
| 02       | Body         | 1   | 1/                             | See figure 2 and table I 2/     |
| 03       | Disc         | 1   | Steel, ASTM A 569, zinc plated | See figure 3 and table I 2/     |

1/ Body shall be steel rod in accordance with ASTM A 108, except that item 02 may be standard steel pipe type S of ASTM A 53 for size "C" through "AA" as an alternate. For nonmagnetic applications, plugs shall be brass or aluminum, respectively, to agree with brass or aluminum stuffing tubes (see MIL-S-24235).

2/ Steel parts after assembly shall be zinc plated in accordance with ASTM B 633.

Revision letters are not used to denote change's due to the extensiveness of the changes.

Preparing activity:  
Navy - SH  
(Project 5975-N078-19)