

INCH-POUND

MIL-S-24235/12B(SH)

28 December 1992

SUPERSEDING

MIL-S-24235/12A(SH)

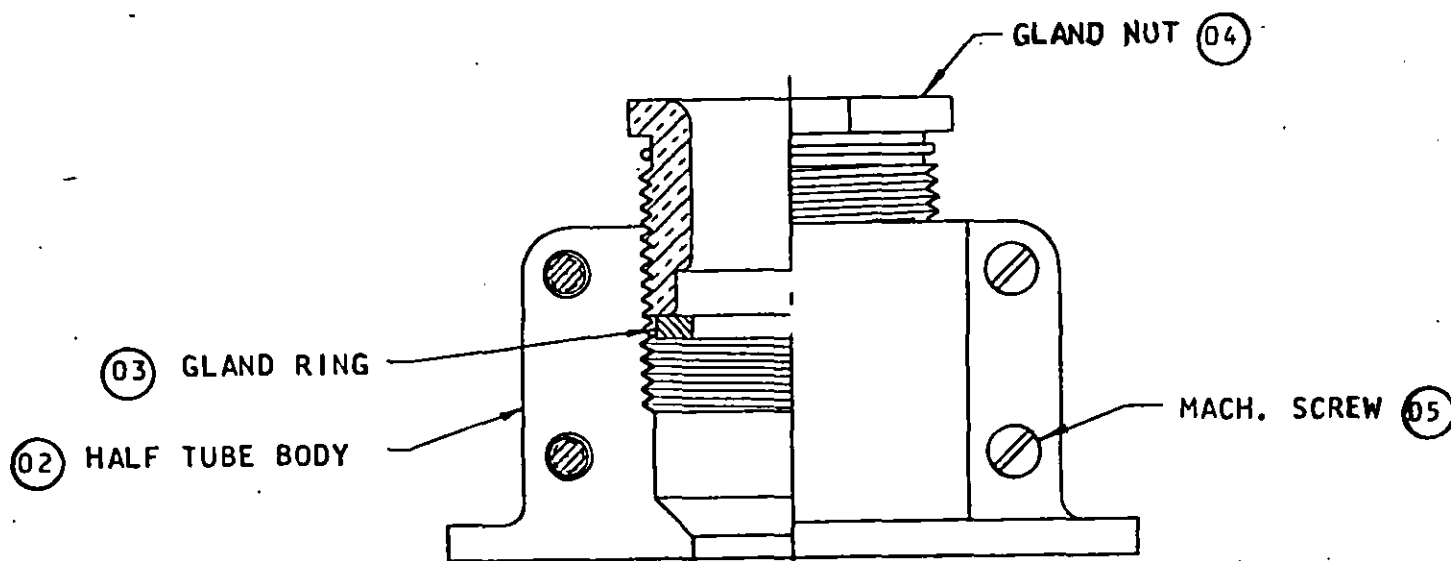
21 August 1989

MILITARY SPECIFICATION SHEET

STUFFING TUBES, METAL, AND PACKING ASSEMBLIES FOR
ELECTRIC CABLES, SPLIT

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. Stuffing tube assembly. (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

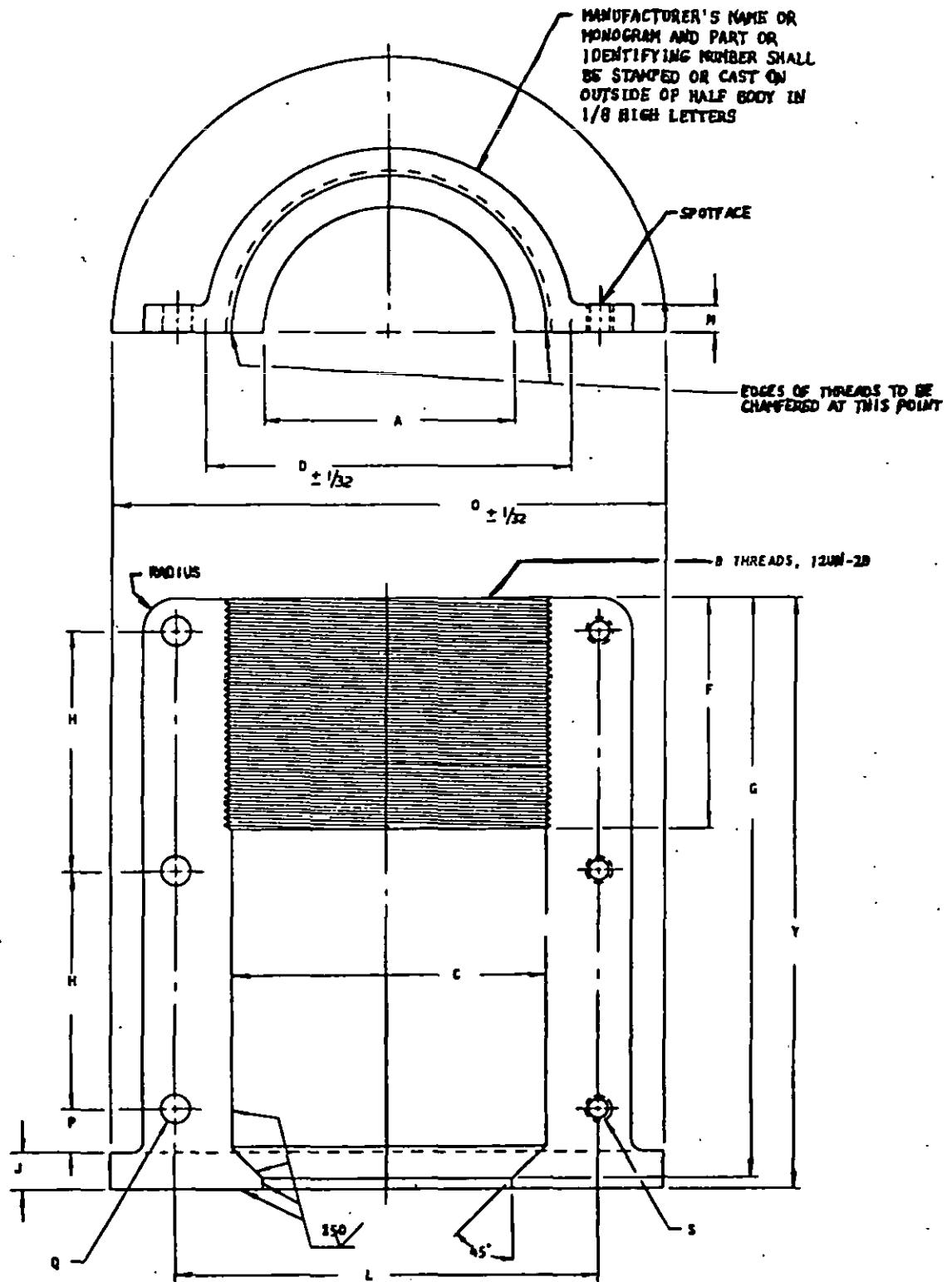
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TABLE I. Part or identifying numbers and screw sizes.

Part or identifying numbers of components							
Assembly part or identifying number	Half tube body 2 required	Gland nut (see requirement 2) 1 required	Gland ring (see requirement 2) 1 required	R. H. Mach screw			Symbol number
				Size	Length required	Number required	
M24235/12-01	M24235/12-31	M24235/9-061	M24235/9-181	0.250-20-UN-2A	1/2	4	A
M24235/12-02	M24235/12-32	M24235/9-062	M24235/9-182	.250-20-UN-2A	1/2	4	B
M24235/12-03	M24235/12-33	M24235/9-063	M24235/9-183	.250-20-UN-2A	1/2	4	C
M24235/12-04	M24235/12-34	M24235/9-064	M24235/9-184	.250-20-UN-2A	1/2	4	D
M24235/12-05	M24235/12-35	M24235/9-065	M24235/9-185	.250-20-UN-2A	1/2	4	E
M24235/12-06	M24235/12-36	M24235/9-066	M24235/9-186	.250-20-UN-2A	1/2	4	F
M24235/12-07	M24235/12-37	M24235/9-067	M24235/9-187	.250-20-UN-2A	1/2	4	G
M24235/12-08	M24235/12-38	M24235/9-068	M24235/9-188	.250-20-UN-2A	1/2	4	J
M24235/12-09	M24235/12-39	M24235/9-069	M24235/9-189	.250-20-UN-2A	1/2	6	K
M24235/12-10	M24235/12-40	M24235/9-070	M24235/9-190	.250-20-UN-2A	1/2	6	L
M24235/12-11	M24235/12-41	M24235/9-071	M24235/9-191	.250-20-UN-2A	1/2	6	M
M24235/12-12	M24235/12-42	M24235/9-072	M24235/9-192	.250-20-UN-2A	1/2	6	N
M24235/12-13	M24235/12-43	M24235/9-073	M24235/9-193	.250-20-UN-2A	1/2	6	P
M24235/12-14	M24235/12-44	M24235/9-074	M24235/9-194	.250-20-UN-2A	1/2	6	R
M24235/12-15	M24235/12-45	M24235/9-075	M24235/9-195	.312-18-UN-2A	5/8	6	S
M24235/12-16	M24235/12-46	M24235/9-076	M24235/9-196	.312-18-UN-2A	5/8	6	T
M24235/12-17	M24235/12-47	M24235/9-077	M24235/9-197	.312-18-UN-2A	5/8	6	V
M24235/12-18	M24235/12-48	M24235/9-078	M24235/9-198	.312-18-UN-2A	5/8	6	W
M24235/12-19	M24235/12-49	M24235/9-079	M24235/9-199	.312-18-UN-2A	5/8	6	X
M24235/12-20	M24235/12-50	M24235/9-080	M24235/9-200	.312-18-UN-2A	5/8	6	Y
M24235/12-21	M24235/12-51	M24235/9-081	M24235/9-201	.312-18-UN-2A	5/8	6	Z
M24235/12-22	M24235/12-52	M24235/9-082	M24235/9-202	.312-18-UN-2A	5/8	6	AA

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FIGURE 2. Half tube body configuration. (02)

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TABLE II. Tube body dimensions.

Part or identi- fying number	A	B THDS	C	D	F-1/	G	H	J	L	M	O	P	Q		S	T	
													Holes dia- meter	Holes re- quired			
M24235/ 12-31	0.406	0.875	0.767	1-1/8	7/8	1-5/8	15/16	3/16	1-5/8	1/4	2-7/8	3/8	17/64	2	0.250-20NC-2B	2	1-3/4
M24235 12-32	.515	1.000	.892	1-1/4	7/8	1-5/8	15/16	3/16	1-3/4	1/4	3	3/8	17/64	2	.250-20NC-2B	2	1-3/4
M24235/ 12-33	.640	1.125	1.017	1-3/8	7/8	1-5/8	15/16	3/16	1-7/8	1/4	3-1/8	3/8	17/64	2	.250-20NC-2B	2	1-3/4
M24235/ 12-34	.750	1.250	1.142	1-1/2	7/8	1-5/8	15/16	3/16	2	1/4	3-1/4	3/8	17/64	2	.250-20NC-2B	2	1-3/4
M24235/ 12-35	.812	1.250	1.142	1-1/2	7/8	1-5/8	15/16	3/16	2	1/4	3-1/4	3/8	17/64	2	.250-20NC-2B	2	1-3/4
M24235/ 12-36	.843	1.312	1.204	1-9/16	7/8	1-5/8	15/16	3/16	2-1/16	1/4	3-3/8	3/8	17/64	2	.250-20NC-2B	2	1-3/4
M24235/ 12-37	.953	1.500	1.392	1-13/16	1	1-11/16	1	3/16	2-5/16	1/4	3-5/8	3/8	17/64	2	.250-20NC-2B	2	1-13/16
M24235/ 12-38	1.062	1.625	1.517	1-15/16	1	1-11/16	1	3/16	2-7/16	1/4	3-3/4	3/8	17/64	2	.250-20NC-2B	2	1-13/16
M24235/ 12-39	1.171	1.750	1.642	2-1/16	1-5/16	3	1-1/8	1/4	2-9/16	1/4	4-1/8	3/8	17/64	3	.250-20NC-2B	3	3-1/8
M24235/ 12-40	1.265	1.812	1.704	2-1/8	1-5/16	3	1-1/8	1/4	2-5/8	1/4	4-1/8	3/8	17/64	3	.250-20NC-2B	3	3-1/8
M24325/ 12-41	1.406	2.000	1.892	2-3/8	1-5/16	3	1-1/8	1/4	2-7/8	1/4	4-3/8	3/8	17/64	3	.250-20NC-2B	3	3-1/8
M24235/ 12-42	1.515	2.062	1.954	2-7/16	1-5/16	3	1-1/8	1/4	2-15/16	1/4	4-1/2	3/8	17/64	3	.250-20NC-2B	3	3-1/8
M24235/ 12-43	1.625	2.188	2.079	2-9/16	1-5/16	3	1-1/8	1/4	3-1/16	1/4	4-5/8	3/8	17/64	3	.250-20NC-2B	3	3-1/8
M24235/ 12-44	1.750	2.312	2.204	2-11/16	1-5/16	3	1-1/8	1/4	3-1/8	1/4	4-3/4	3/8	17/64	3	.250-20NC-2B	3	3-1/8
M24235/ 12-45	1.875	2.688	2.579	3-3/16	1-7/8	5	1-31/32	5/16	3-13/16	5/16	5-1/4	1/2	21/64	3	.312-18NC-2B	3	5-1/8

TABLE II. Tube body dimensions. - Continued

Part or ident- ifying number	A	B THDS	C	D	FL/ D	G	H	J	L	M	O	P	Holes dia- meter	Q Holes re- quired	S Thread	Holes re- quired	T
M24235/ 12-46	2.062	2.875	2.767	3-3/8	1-7/8	5	1-31/32	5/16	4	5/16	5-1/2	1/2	21/64	3	.312-18NC-2B	3	5-1/8
M24235/ 12-47	2.187	3.000	3.892	3-1/2	1-7/8	5	1-31/32	5/16	4-1/8	5/16	5-5/8	1/2	21/64	3	.312-18NC-2B	3	5-1/8
M24235/ 12-48	2.312	3.125	3.017	3-5/8	1-7/8	5	1-31/32	5/16	4-1/4	5/16	5-3/4	1/2	21/64	3	.312-18NC-2B	3	5-1/8
M24235/ 12-49	2.500	3.250	3.142	3-3/4	1-7/8	5	1-31/32	5/16	4-3/8	5/16	5-7/8	1/2	21/64	3	.312-18NC-2B	3	5-1/8
M24235/ 12-50	2.609	3.375	3.267	3-7/8	1-7/8	5	1-31/32	5/16	4-1/2	5/16	6	1/2	21/64	3	.312-18NC-2B	3	5-1/8
M24235/ 12-51	2.781	3.562	3.454	4-1/16	1-7/8	5	1-31/32	5/16	4-11/16	5/16	6-1/4	1/2	21/64	3	.312-18NC-2B	3	5-1/8
M24235/ 12-52	2.875	3.750	3.642	4-1/4	2-11/16	6-3/4	2-25/32	7/16	4-7/8	5/16	6-3/8	1/2	21/64	3	.312-18NC-2B	3	6-7/8

1/ Tolerance shall be minus 0, plus 4 threads.

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REQUIREMENTS:

1. Each half tube body, part or identifying numbers M24235/12-31 through M24235/12-38 inclusive, shall have two clearance holes and two tapped holes; part or identifying numbers M24235/12-39 through M24235/12-52 inclusive, shall have three of each.
2. Gland nuts and rings shall be furnished split with a 1/32 inch saw cut. Edges of saw cut shall be chamfered slightly.
3. Packing: Cable packing shall be in accordance with DOD-STD-2003.
4. Intended use: The stuffing tubes are for stuffing tube repair installations on surface ships (see DOD-STD-2003, section 4).

TABLE III. Parts list.

Item no.	Description ¹	Qty ² /	Material and specification	Remarks
01	Stuffing tube assemblies	-	--	See figure 1
02	Tube body, half	2	Steel, grade B, MIL-S-15083	See figure 2 and table II
03	Gland ring	1	Steel, ASTM A 569, zinc plated ⁴ /	See table I
04	Gland nut	1	Brass, coml,	See table I
05	Screw, mach, RH	<u>3</u> /	Steel, coml, CRES	See table I

¹/ See applicable figure and table listed in "Remarks" column for part numbers and dimensions.

²/ Quantity is for one complete assembly of each size.

³/ See table I for quantity required.

⁴/ Zinc plating shall be as specified in ASTM B 633.

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

Preparing activity:
Navy - SH
(Project 5975-N078-12)