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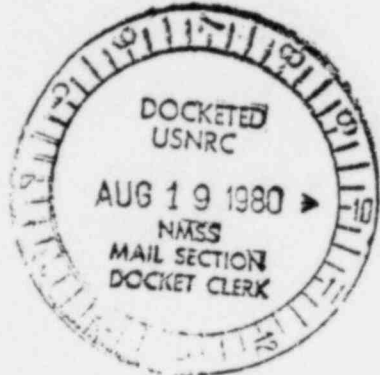


Radiation Products Division
40 North Avenue
Burlington, Massachusetts 01803
Telephone (617) 272-2000

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AUG 15 PM 2 39

12 August 1980



Mr. Jerry Jackson
Transportation Branch
Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Jackson:

With reference to our telephone conversation of 11 August 1980 regarding renewal of Certificate of Compliance No. 9039, please find enclosed a copy of Military Standard MS27683 as you requested.

We trust that this provides the information necessary for completion of your review of this application. Due to the upcoming expiration of the current certificate and our need to renew both the IAEA and Canadian certifications for this package, we anxiously await your action.

Sincerely,

[Handwritten Signature]
John J. Munro III
Technical Director

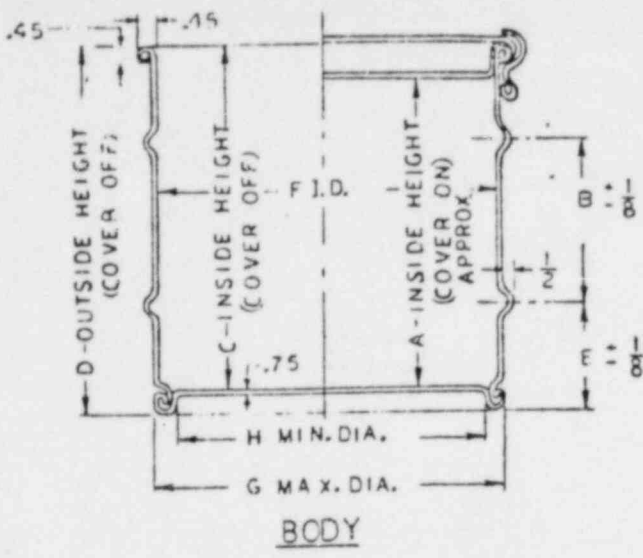
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FREE EXEMPT
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C



DRUM ASSY NO.	CAP. GALS.	BODY	COVER STYLE 1	COVER STYLE 2	BODY AND BOTTOM DIMENSIONS									
					A	B	C	D	E	F	G	H	WT	
MS-27683-1	16	MS-27683-30	MS27683-60	MS27683-98	19.88	12.38	20.44	21.24	4.0	15.38	15.13	14.58	24.5	
MS-27683-2	19	MS-27683-31	MS27683-60	MS27683-98	23.88	16.36	24.44	25.24	4.0	15.38	15.13	14.58	27.	
MS-27683-3	20	MS-27683-32	MS27683-61	MS27683-99	18.11	11.00	18.68	19.48	4.25	18.25	18.00	17.45	25.	
MS-27683-4	22	MS-27683-33	MS27683-62		12.89	NA	13.46	14.26	1A	22.50	22.25	21.70		
MS-27683-5	27	MS-27683-34	MS27683-62		16.11	11.00	16.68	17.48	3.28	22.50	22.25	21.70		
MS-27683-6	29	MS-27683-35	MS27683-66		9.46	3.50	10.04	10.84	3.50	10.0	29.75	29.20		
MS-27683-7	30	MS-27683-36	MS27683-61	MS27683-99	26.99	11.00	27.56	28.36	3.68	18.25	18.00	17.45	33.	
MS-27683-8	30	MS-27683-37	MS27683-63		15.49	6.44	16.06	16.86	4.88	24.0	23.75	21.20		
MS-27683-9	30	MS-27683-38	MS27683-65		11.18	4.50	11.75	12.55	3.50	28.0	27.75	27.20		
MS-27683-10	34	MS-27683-39	MS27683-64		14.73	6.50	15.30	16.10	4.88	26.0	25.75	25.20		
MS-27683-11	38	MS-27683-40	MS27683-62		22.24	11.00	22.81	23.61	6.34	22.50	22.25	21.70		
MS-27683-12	39	MS-27683-41	MS27683-66		17.68	4.50	18.25	19.05	4.88	20.00	29.75	29.20		
MS-27683-13	45	MS-27683-42	MS27683-62		26.11	11.00	26.68	27.48	8.28	22.50	22.25	21.70		
MS-27683-14	57	MS-27683-43	MS27683-62		33.33	11.00	33.90	34.70	11.87	22.50	22.25	21.70		
MS-27683-15	58	MS-27683-44	MS27683-66		19.09	11.00	19.66	20.46	4.88	20.00	29.75	29.20		
MS-27683-16	59	MS-27683-45	MS27683-64		25.68	17.00	26.25	27.05	4.88	26.00	25.75	25.20		
MS-27683-17	60	MS-27683-46	MS27683-63		10.74	21.68	11.21	12.11	4.88	24.00	23.75	23.20		
MS-27683-18	60	MS-27683-47	MS27683-65		22.43	15.50	23.00	23.80	4.88	28.00	27.75	27.20		
MS-27683-19	61	MS-27683-48	MS27683-62		35.77	11.00	36.34	37.14	13.28	22.50	22.25	21.70		
MS-27683-20	77	MS-27683-49	MS27683-66		25.33	17.00	25.90	26.70	4.88	20.00	29.75	29.20		
MS-27683-21	79	MS-27683-50	MS27683-64		34.83	24.00	35.40	36.20	4.88	26.00	25.75	25.20		
MS-27683-22	80	MS-27683-51	MS27683-65		29.98	19.00	30.55	31.35	4.88	28.00	27.75	27.20		
MS-27683-23	80	MS-27683-52	MS27683-63		41.17	17.00	41.74	42.54	4.88	24.00	23.75	23.20		

MATERIAL: STEEL: SPECIFICATION QQ-5-59R BODY AND BOTTOM 18 GAGE (MIN.)

FINISH AND MARKING: IN ACCORDANCE WITH PROCUREMENT SPECIFICATION

DIMENSIONS IN INCHES: UNLESS OTHERWISE SPECIFIED, TOLERANCE ON HEIGHTS PLUS OR MINUS .12 OTHER DIMENSIONS PLUS OR MINUS .03, ANGLES PLUS OR MINUS .03.

NOTE: WHEN HUMIDITY INDICATORS AND HANDLES ARE SPECIFIED, THE DRUM ASSEMBLY NUMBERS WILL REFLECT THIS ADDITION BY A SUFFIX DASH AND LETTER AS FOLLOWS:

EXAMPLES: MS-27683-4-I = ASSY'S WITH INDICATOR
MS-27683-4-H = ASSY'S WITH HANDLES
MS-27683-4-IH = ASSY'S WITH INDICATOR & HANDLES

FOR IDENTIFICATION AND HANDLE LOCATION SEE PROCUREMENT SPECIFICATION

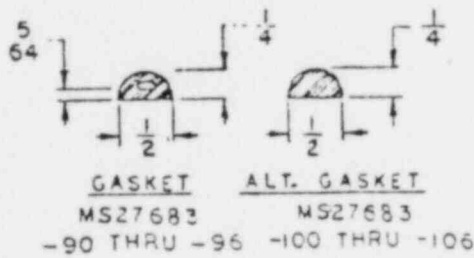
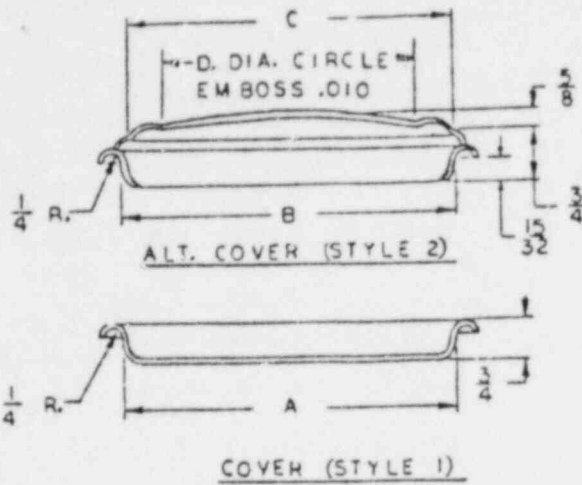
REDRAWN

P.A. AIR FORCE - 69	TITLE	MILITARY STANDARD
Other Cost	DRUMS, METAL SHIPPING AND STORAGE 16 TO 80 GALLONS	MS27683
NAVY - AS ARMY - GL AIR FORCE - 69		SHEET
PROCUREMENT SPECIFICATION MIL-D-14058	SUPERSEDES MS 24205, MS 61053 THRU MS 61056	

REVIEW: TO, TL, B2, B4, P, BO, SA, SM, MI, 8110-0002
USER: TO, MS, SM, GS, MC, AV, M

This military standard is approved by the Department of Defense and is mandatory on all activities. Subsequent to all engineering and design specifications and for all activities shall be made from this document.

APPROVED 14 MAR. 69 REVISED 10 JUNE 1959 19 MARCH 1974



COVER STYLE 1	CAPACITY GALLONS	A	COVER STYLE 2	CAPACITY GALLONS	B	C	D	GASKET	ALT. GASKET
MS27683-60	16 AND 19	15.33	MS27683-90	16 AND 19	15.32	14.46	12.00	MS27683-90	MS27683-100
MS27683-61	20 AND 30	18.20	MS27683-99	20 AND 30	18.19	17.11	15.00	MS27683-91	MS27683-101
MS27683-62	22, 27, 38, 45, 57 AND 61	22.45	NA					MS27683-92	MS27683-102
MS27683-63	30, 50 AND 80	23.95	NA					MS27683-93	MS27683-103
MS27683-64	34, 59 AND 79	25.95	NA					MS27683-94	MS27683-104
MS27683-65	30, 50 AND 80	27.95	NA					MS27683-95	MS27683-105
MS27683-66	25, 39, 58 AND 77	29.95	NA					MS27683-96	MS27683-106

MATERIAL: STEEL; SPECIFICATION QQ-S-698

COVER: #18 GAGE (MIN.)

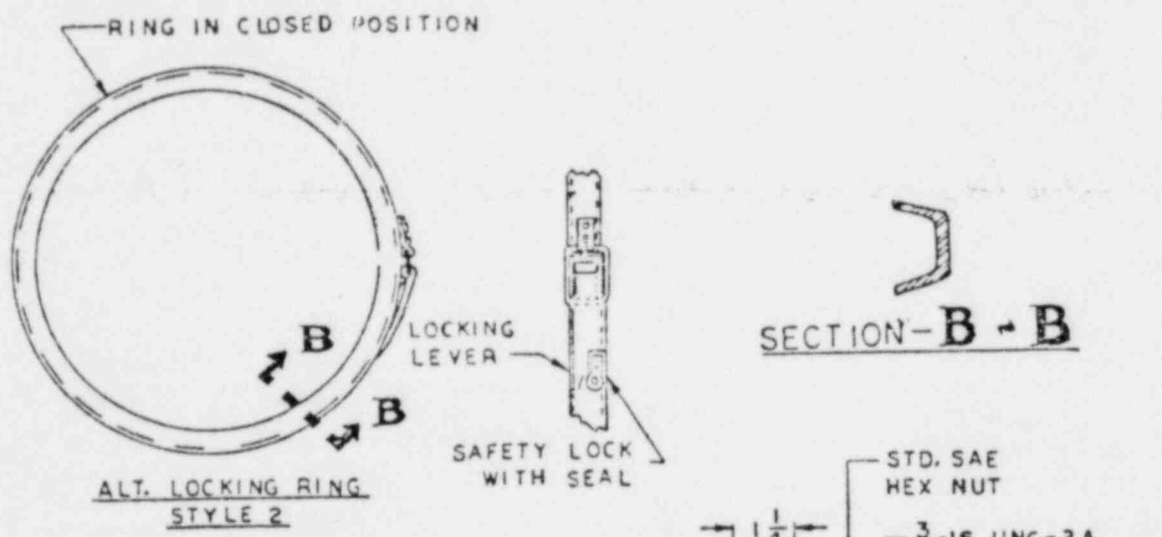
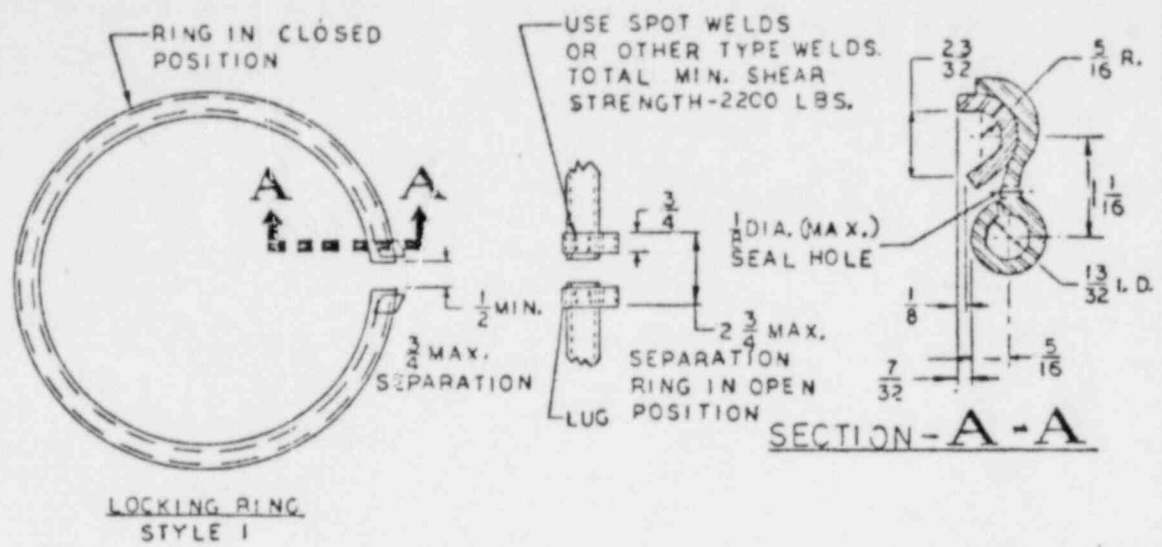
FINISH AND MARKING: IN ACCORDANCE WITH PROCUREMENT SPECIFICATION

DIMENSIONS IN INCHES: UNLESS OTHERWISE SPECIFIED, TOLERANCE ON HEIGHTS PLUS OR MINUS .12, OTHER DIMENSIONS PLUS OR MINUS .03, ANGLES PLUS OR MINUS 2°.

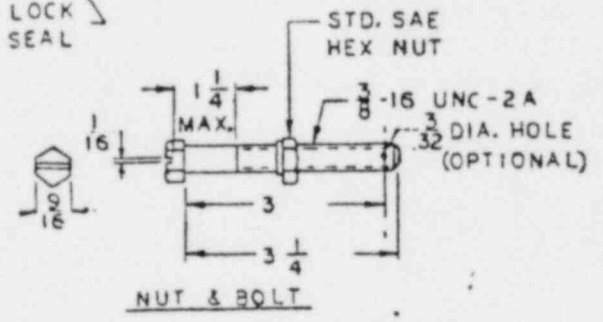
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P.A. Other Cust	TITLE DRUMS, METAL-SHIPPING AND STORAGE 16 TO 80 GALLONS	MILITARY STANDARD MS27683
PROCUREMENT SPECIFICATION MIL-D-5-4	SUPERSEDES: MS27683, MS (2003) THRU MS (2004)	SHEET OF 2

This military standard is approved by the Department of Defense and is mandatory on all activities. Deviation for all new engineering and design applications and for repetitive use shall be made from this document.



CAPACITY GAL	STYLE 1 LOCKING RING	STYLE 2 LOCKING RING
16 AND 19	MS27683-80	MS27683-70
23 AND 30	MS27683-81	MS27683-71
33, 37, 38, 45 AND 51	MS27683-82	MS27683-72
50, 50 AND 80	MS27683-83	MS27683-73
44, 50 AND 79	MS27683-84	MS27683-74
35, 60 AND 80	MS27683-85	MS27683-75
39, 49, 58 AND 77	MS27683-86	MS27683-76



MATERIAL: STEEL: SPECIFICATION QQ-S-598

FINISH AND MARKING: IN ACCORDANCE WITH PROCUREMENT SPECIFICATION

LUG AND LOCKING RING: 812 GAGE

REDRAWN

This military standard is approved by the Department of Defense and its agencies, as all activities, including all new engineering and design specifications and all reporting are shall be made from this document.

P.A. Other Cost	TITLE DRUMS, METAL-SHIPING AND STORAGE 16 TO 80 GALLONS	MILITARY STANDARD MS27683
PROCUREMENT SPECIFICATION MIL D-6254	SUPERSEDES: MS 24209, MS 62051 THRU MS 62058	SHEET 1 OF 1

DD FORM 672-1 (Continued)

EDITION OF 1 SEP 67 MAY BE USED

U. S. GOVERNMENT PRINTING OFFICE: 1974-713-153 4817

APPROVED 14 MAR 69 REVISED 10 JUNE 1969 29 MARCH 1974