

INCH- POUND
MIL-G-24696/1A(SH)
25 May 1995
SUPERSEDING
MIL-G-24696/1(SH)
30 December 1992

MILITARY SPECIFICATION SHEET

GASKET, SHEET NON-ASBESTOS
SIZES AND TOLERANCES

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-G-24696

Purpose. The purpose of this specification sheet is to set up a part numbering system for gaskets procured to MIL-G-24696.

APPLICABLE DOCUMENT

MIL-G-24696 - Gasket, Sheet, Non-Asbestos.

(Unless otherwise indicated, copies of federal and military specifications and standards are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

Pin numbers. When this document is used for procurement of gaskets the PIN numbers shall consist of the following:

- (a) The letter M and appropriate specification sheet number.
- (b) A dash followed by the appropriate dash number from table I or table II.

Example: M24696/1-001

Intended use. Sheet gasket material is intended for non-propulsion and propulsion use in steam piping joints for service up to 150 lb/in² gauge, 425°F (218°C) and for use in water service applications up to 400 lb/in² gauge, 300°F (149°C). The gasket material specified in this specification is generally specified in ASTM F 104 as type 7, class 1 or class 2 materials.

AMSC N/A

FSC 5330

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

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TABLE I. Dimensions and tolerances for flat sheet gasket stock.

Dash no.	Length in (± 0.25) inches	Thickness in inches (tolerances)	Width in (± 0.25) inches)
001	60	.016 ($\pm .005$, $-.002$)	60
002	36	.031 \pm .005	24
003	54	.031 \pm .005	31.5
004	50	.031 \pm .005	50
005	60	.031 \pm .005	60
006	75	.031 \pm .005	60
007	36	.062 \pm .006	18
008	36	.062 \pm .006	36
009	40	.062 \pm .006	40
010	50	.062 \pm .006	50
011	54	.062 \pm .006	31.5
012	60	.062 \pm .006	60
013	63	.062 \pm .006	54
014	150	.062 \pm .006	50
015	48	.094 \pm .009	36
016	50	.094 \pm .009	50
017	63	.094 \pm .009	54
018	20	.125 \pm .010	12
019	24	.125 \pm .010	24
020	36	.125 \pm .010	36
021	36	.125 \pm .010	72
022	50	.125 \pm .010	50
023	60	.125 \pm .010	36
024	60	.125 \pm .010	60
025	153	.125 \pm .010	36
026	36	.188 \pm .020	24
027	36	.188 \pm .020	36
028	50	.188 \pm .020	50
029	50	.250 \pm .025	50
030	12.31	.062 \pm .006	1
031	50	.125 \pm .010	10

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TABLE II. Dimensions and tolerances for pre-cut round gaskets.

Dash no.	O.D. in inches (± 0.25)	Thickness in inches	I.D. in inches (± 0.25)	Number of holes	Diameter of ($\pm .005$) holes	Bolt circle ($\pm .005$) diameter
051	7.125	.062	4			
052	3.5625	.125	.625			
053	3.625	.125	.6875	4	.625	2.380
054	3.625	.125	1.0625			
055	3.8125	.125	.750			
056	4.250	.125	1.125			
057	4.250	.125	1.3125	4	.562	3.125
058	5.125	.125	1.375			
059	5.5625	.125	2.125	6	.6875	4.4375
060	5.5625	.125	2.250			
061	5.5625	.125	2.375	6	.562	4.4375
062	5.5625	.125	2.500			
063	6.125	.125	2.750			
064	6.125	.125	2.875	6	.562	5
065	6.625	.125	3.375			
066	7.6875	.125	4.500	8	.562	6.562
067	9.0625	.125	5.375			
068	9.0625	.125	6.375			
069	2.0625	.625	1.625			
070	5.875	.062	3			
071	1	.125	.188			

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TABLE II. Dimensions and tolerances for pre-cut round gaskets. - Continued

Dash no.	O.D. in inches (± 0.25)	Thickness in inches	I.D. in inches (± 0.25)	Number of holes	Diameter of ($\pm .005$) holes	Bolt circle ($\pm .005$) diameter
072	7.875	.062	.125			
073	7.625	.016	5.516	20	.468	6.75
074	6.750	.062	5.875			
075	4.620	.125	1.660			
076	9.000	.062	4.060	8	.750	7.50
077	3.250	.062	2.500			

Agent:
DLA - IS

Preparing activity:
Navy - SH
(Project 5330-N159)