

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	20	.468	6.75
073	7.625	.016	5.516			
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)