

INCH-POUND

AN763 Rev 2
 2 October 2013
 SUPERSEDING
 AN763 Rev 1
 6 August 1952

DETAIL SPECIFICATION SHEET

GASKET - SWIVEL FITTING, FLANGED

Reinstated after 11 February 2013.

This specification is approved 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.

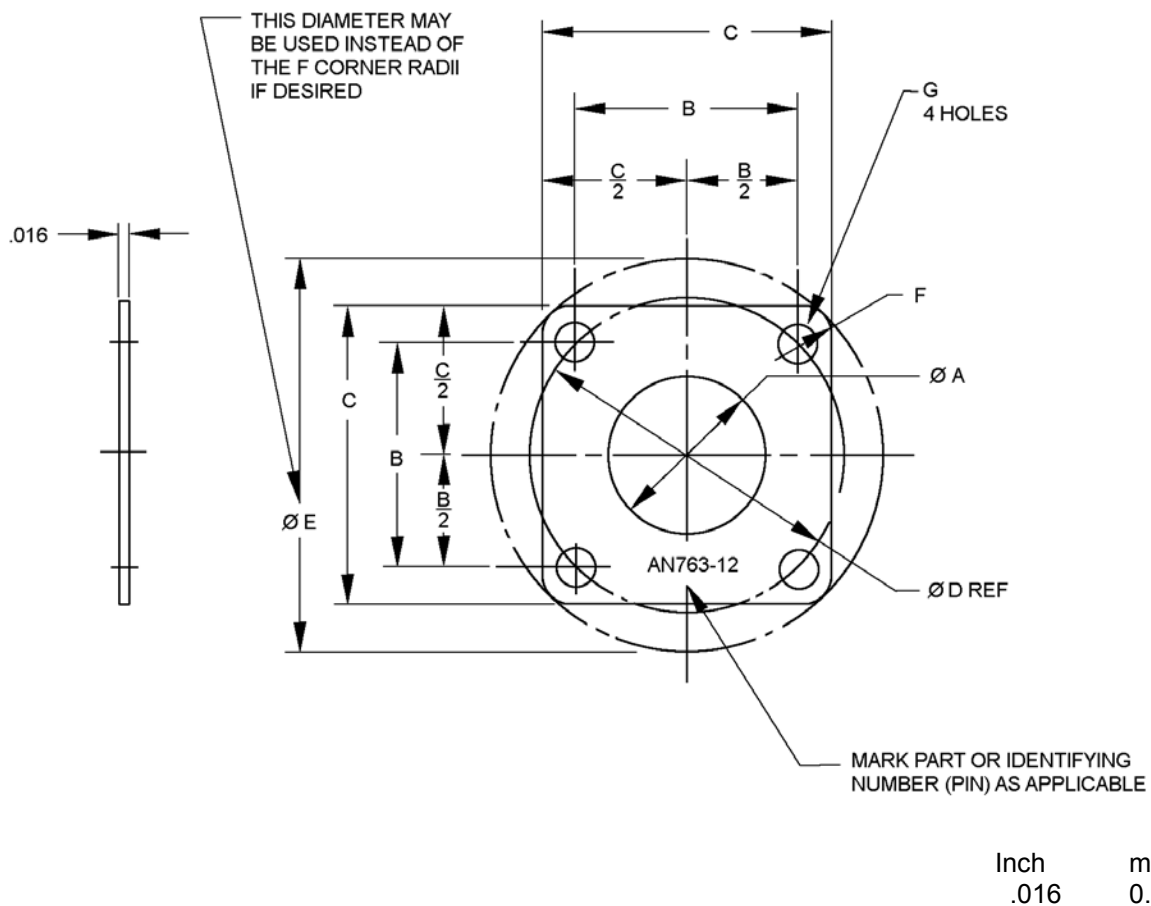


FIGURE 1. Gasket sizes -12 through -32.

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Dash number	Nominal tube and hose size inches (mm)	A dia. inch (mm)	B $\pm .005$ inch (mm)	C inch (mm)	D dia inch (mm)
-12	.750 (19.05)	.688 (17.48)	1.156 (29.36)	1.594 (40.49)	1.635 (41.53)
-16	1.000 (25.40)	.938 (23.83)	1.312 (33.32)	1.750 (44.45)	1.855 (47.12)
-20	1.250 (31.75)	1.156 (29.36)	1.656 (42.06)	2.188 (55.58)	2.342 (59.49)
-24	1.500 (38.10)	1.406 (35.71)	1.812 (46.02)	2.375 (60.33)	2.562 (65.07)
-32	2.000 (50.80)	1.875 (47.63)	2.375 (60.33)	3.000 (76.20)	3.359 (85.32)

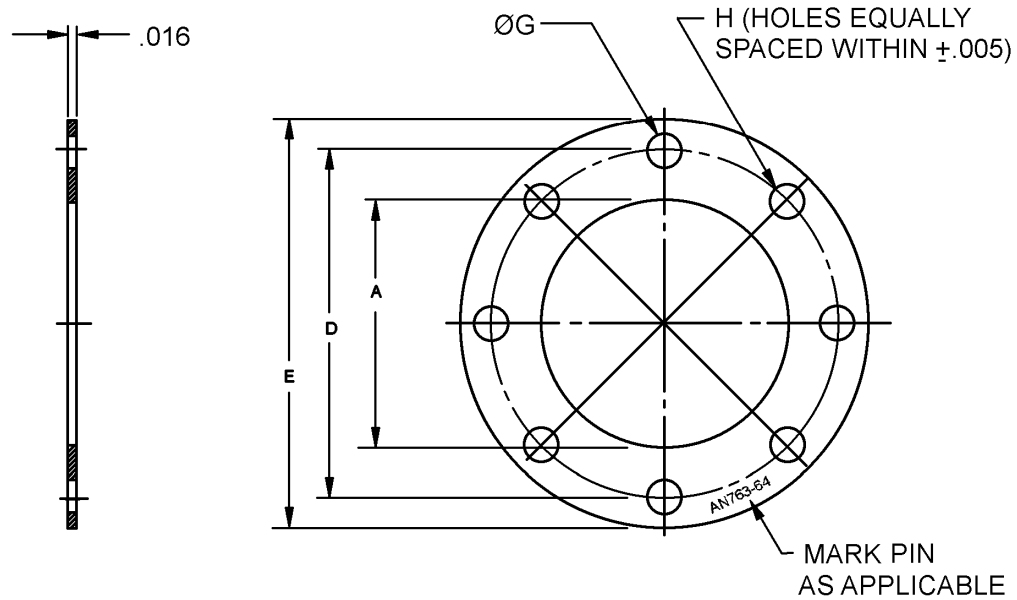
Dash number	E dia inch (mm)	F rad inch (mm)	G $+ .010$ $- .005$ inch (mm)
-12	2.094 (53.19)	.219 (5.56)	.205 (5.21)
-16	2.312 (58.72)	.219 (5.56)	.205 (5.21)
-20	2.875 (73.03)	.266 (6.76)	.266 (6.76)
-24	3.094 (78.59)	.281 (7.14)	.266 (6.76)
-32	3.953 (100.41)	.312 (7.92)	.328 (8.33)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are $\pm .010$ inch (0.25 mm), angles $\pm 2^\circ$.
4. Thickness tolerance as specified in the material specifications.

FIGURE 1. Gasket sizes -12 through -32 - Continued.

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Inches	mm
.005	0.13
.016	0.41

Dash number	Nominal tube and hose size inches (mm)	A dia. inch (mm)	D dia inch (mm)	E dia inch (mm)	G +.010 -.005 inch (mm)
-56	3.500 (88.90)	3.375 (85.73)	4.875 (123.83)	5.562 (141.27)	.328 (8.33)
-64	4.000 (101.60)	3.875 (98.43)	5.438 (138.13)	6.125 (155.58)	
-80	5.000 (127.00)	4.875 (123.83)	6.438 (163.53)	7.125 (180.98)	
-96	6.000 (152.40)	5.875 (149.23)	7.438 (188.93)	8.125 (206.38)	
-112	7.000 (177.80)	6.875 (174.63)	8.500 (215.90)	9.188 (233.38)	

Dash number	H number of holes
-56	8
-64	8
-80	10
-96	12
-112	14

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are $\pm .010$ inch (0.25 mm), angles $\pm 2^\circ$.
4. Thickness tolerance as specified in the material specifications.

FIGURE 3. Gasket sizes -56 through -112.

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REQUIREMENTS:

Dimensions and configuration shall be in accordance with figures 1, 2, and 3.

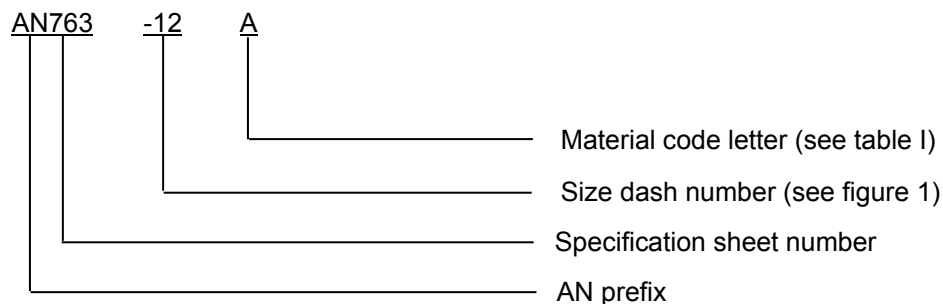
Installation shall be in accordance with MS33786.

Materials and finishes see table I for material code.

TABLE I. Material and code letters.

Code letter	Material
A	MIL-DTL-24696 type I. Gaskets exposed to steam service up to 366°F (186°C) and 150 psig (10.3 bar).
B	MIL-DTL-24696 type II. Gaskets not exposed to steam for (1) water service applications up to 300°F (149°C) and 1800 psig, (2) lube oil service up to 250°F (121°C) and 150 psig (10.3 bar), and (3) hydraulic oil service up to 180°F (82°C) and 600 psig (41.4 bar).
C	SAE-AMS3275 , Acrylonitrile Butadiene (NBR) Rubber, Non-Asbestos Fiber, Fuel and Oil Resistant (302°F (150°C))

PIN: The PIN consists of the letters "AN" prefix, the specification sheet number, dash number for tube and hose size, and a letter designator for gasket material type. Unassigned PIN's shall not be used.



PIN example. AN763-12A is for a gasket .750 inch (12.70 mm) tube and hose size and MIL-DTL-24696 type I gasket.

Marking: Part shall be permanently marked with the AN PIN.

Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

Referenced documents shall be of the issue in effect on date of invitations for bid.

Changes from previous issues. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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Referenced documents. This document references the following:

MIL-DTL-24696
MS33786
SAE-AMS3275

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-2013-067)

Review activities:

Navy - SA
Air Force - 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.