

INCH-POUND

AND10050 REV 20  
27 May 2003  
SUPERSEDING  
AND10050 REV 19  
24 July 1984

DETAIL SPECIFICATION SHEET

BOSSSES, STANDARD DIMENSIONS FOR  
GASKET SEAL STRAIGHT THREAD

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 and AND10050.

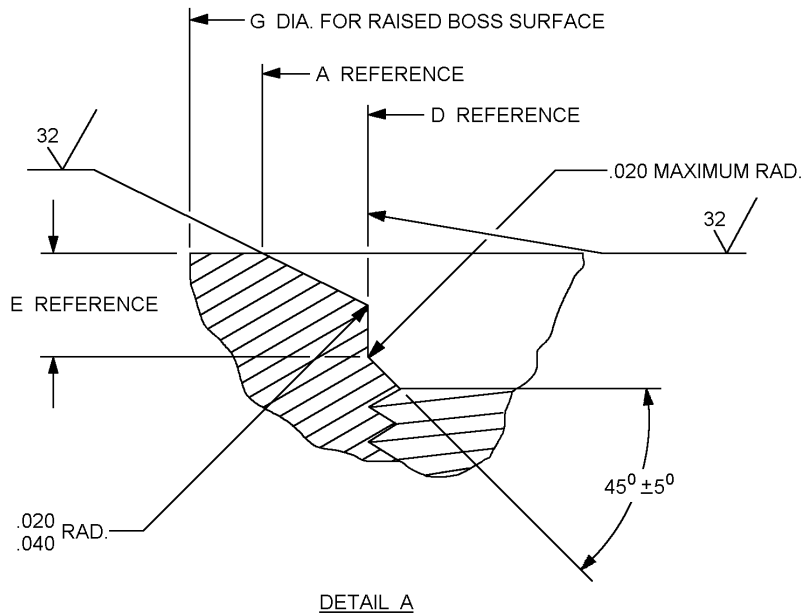


FIGURE 1. Bosses, standard dimensions for gasket seal straight thread.

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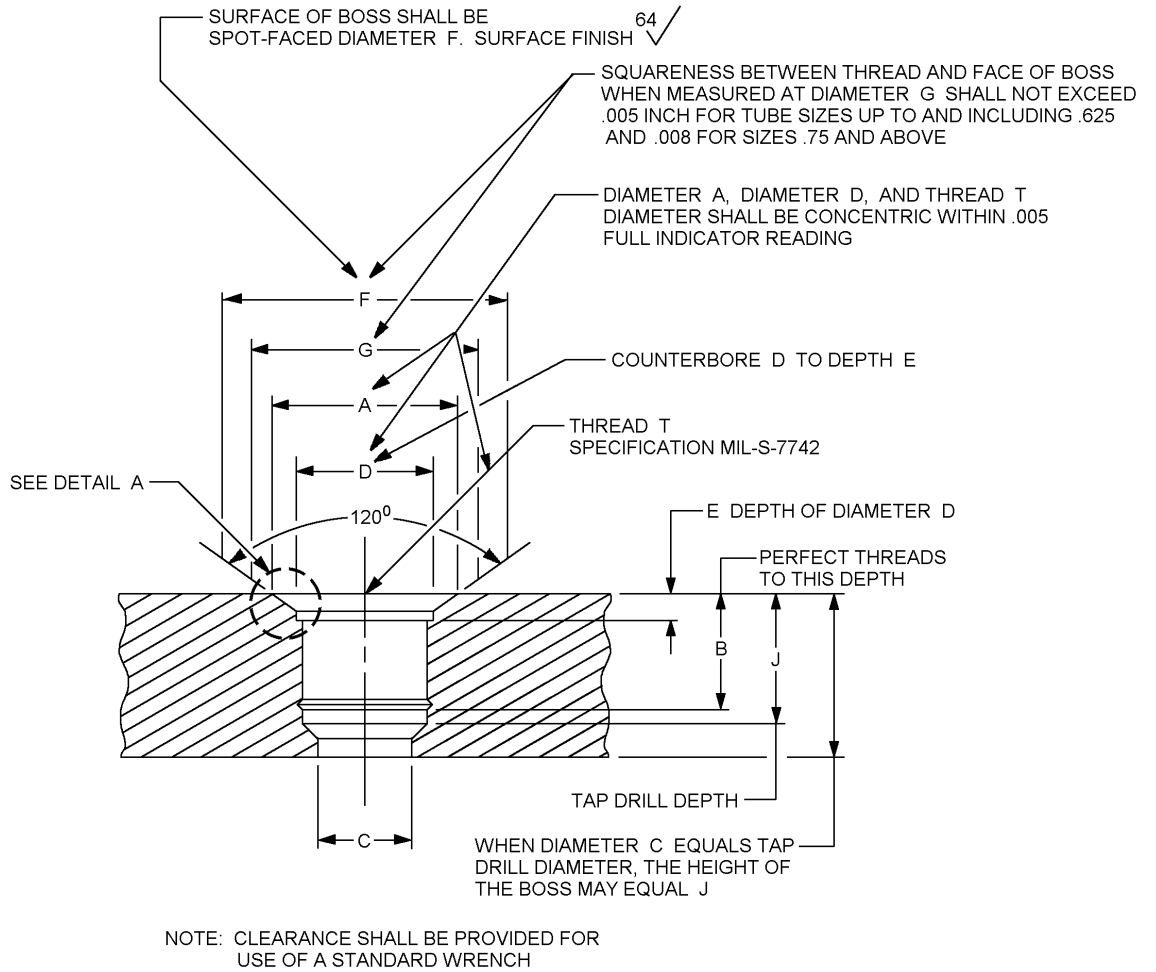


FIGURE 1. Bosses, standard dimensions for gasket seal straight thread - Continued.

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Equivalent tube size dash number	Tubing OD	Thread T (Ref)	A +.005 -.000	B Min	C Min DIA	D +.005 -.000 DIA	E +.015 -.000	F Min DIA	G Min DIA	J Min	
2	1/8	.3125-24 UNF-3B	.438 (11.13)	.375 (9.53)	.062 (1.57)	.328 (8.33)	.063 (1.60)	.672 (17.07)	.562 (14.27)	.500 (12.70)	
3	3/16	.3750-24 UNF-3B	.500 (12.70)	.406 (10.31)	.125 (3.18)	.390 (9.90)		.750 (19.05)	.625 (15.88)		
4	1/4	.4375-20 UNF-3B	.562 (14.27)	.438 (11.13)	.172 (4.37)	.454 (11.53)	.075 (1.91)	.828 (21.03)	.688 (17.48)	.594 (15.09)	
5	5/16	.500-20 UNF-3B	.625 (15.88)		.234 (5.94)	.517 (13.13)		.906 (23.01)	.750 (19.05)		
6	3/8	.5625-18 UNF-3B	.688 (17.48)	.469 (11.91)	.297 (7.54)	.580 (14.73)	.083 (2.11)	.969 (24.61)	.812 (20.62)		
8	1/2	.750-16 UNF-3B	.875 (22.23)	.562 (14.27)	.391 (9.93)	.769 (19.53)	.094 (2.39)	1.188 (30.18)	1.032 (26.21)	.718 (18.24)	
10	5/8	.8750-14 UNF-3B	1.000 (25.40)	.625 (15.88)	.484 (12.29)	.896 (22.76)	.107 (2.72)	1.344 (34.14)	1.157 (29.39)	.781 (19.84)	
12	3/4	1.0625-12 UN-3B	1.234 (31.34)	.688 (17.48)	.609 (15.47)	1.086 (27.58)	.125 (3.18)	1.625 (41.28)	1.406 (35.71)	.906 (23.01)	
16	1	1.3125-12 UN-3B	1.487 (37.77)		.844 (21.44)	1.336 (33.93)		1.910 (48.51)	1.656 (42.06)	.938 (23.83)	
20	1-1/4	1.6250-12 UN-3B	1.800 (45.72)		1.078 (27.38)	1.648 (41.86)		2.270 (57.66)	1.969 (50.01)	.984 (24.99)	
24	1-1/2	1.8750-12 UN-3B	2.050 (52.07)		.750 (19.05)	1.312 (33.32)		1.898 (48.21)	2.560 (65.02)	2.219 (56.36)	1.125 (28.58)
28	1-3/4	2.250-12 UN-3B	2.425 (61.60)		.812 (20.62)	1.547 (39.29)		2.273 (57.73)	3.010 (76.45)	2.594 (65.89)	1.250 (31.75)
32	2	2.500-12 UN-3B	2.675 (67.95)	.938 (23.83)	1.781 (45.24)	2.524 (64.11)		3.480 (88.39)	2.844 (72.24)	1.375 (34.93)	

## NOTES:

1. Dimensions are in inches, unless otherwise specified, tolerances indicated, angles  $+ .500^\circ$ .
2. Metric equivalents are given for general information only. Metrics are in parenthesis.

FIGURE 1. Bosses, standard dimensions for gasket seal straight thread - Continued.

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

Finish: For surface roughness, see ANSI B46.1-78.

The countersink to diameter A and counterbore to diameter D shall be free from longitudinal and spiral tool marks.

Break all sharp edges and remove all hanging burrs and slivers, which might become dislodged under usage.

Certain provisions of this standard are subject of international standardization agreement STANAG 3323. When revision or cancellation of this standard is proposed, the departmental custodians will inform their respective departmental standardization offices so that appropriate action may be taken respecting the international agreement concerned.

CONCLUDING MATERIAL

Custodians:  
Air Force - 99  
DLA - CC

Preparing activity:  
DLA - CC

(Project 4730-2350-000)

Review activity:  
Air Force - 06, 71