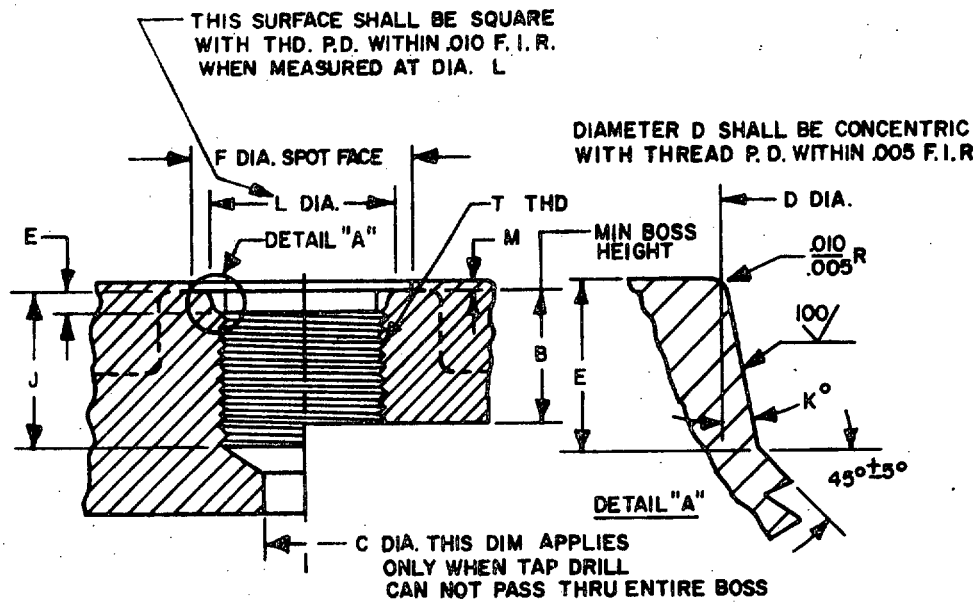


FED. SUP CLASS
 4730

This military standard 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.



Ⓒ denotes change(s)

P. A. SH Other Cust	INTERNATIONAL INTEREST	TITLE BOSS, GASKET SEAL STRAIGHT THREAD TUBE FITTING, STANDARD DIMENSIONS FOR	MILITARY STANDARD MS16142(SH)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:		Page 1 of 2

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Tube out- side diam- eter	Straight thread "T"					B Full thread depth min.
	Thread size	Pitch diameter		Minor diameter		
		Min.	Max.	Min.	Max.	
Inches						
1/8	5/16-24UNF-2B	0.2854	0.2902	0.267	0.277	0.390
3/16	3/8-24UNF-2B	.3479	.3528	.330	.340	.390
1/4	7/16-20UNF-2B	.4050	.4104	.383	.395	.454
5/16	1/2-20UNF-2B	.4675	.4731	.446	.457	.454
3/8	9/16-18UNF-2B	.5264	.5323	.502	.515	.500
1/2	3/4-16UNF-2B	.7094	.7159	.682	.696	.562
5/8	7/8-14UNF-2B	.8286	.8356	.798	.814	.656
3/4	1-1/16-12UN-2B	1.0084	1.0158	.972	.990	.750
7/8	1-3/16-12UN-2B	1.1334	1.1409	1.097	1.115	.750
1	1-5/16-12UN-2B	1.2584	1.2659	1.222	1.240	.750
1-1/4	1-5/8-12UN-2B	1.5709	1.5785	1.535	1.553	.750
1-1/2	1-7/8-12UN-2B	1.8209	1.8287	1.785	1.803	.750
2	2-1/2-12UN-2B	2.4459	2.4540	2.410	2.428	.750

C	D	E	(C) F	J	K	L	(C) M
Mini- mum diam- eter	+0.005 - .000	+0.015 - .000	Mini- mum diam- eter see note 1	Mini- mum	+1 degree	Mini- mum diam- eter	See note 1
0.062	0.358	0.074	0.672	0.468	Degrees	0.438	0.062
.125	.421	.074	.750	.468	12	.500	.062
.172	.487	.093	.828	.547	12	.563	.062
.234	.550	.093	.906	.547	12	.625	.062
.297	.616	.097	.969	.609	12	.688	.062
.391	.811	.100	1.188	.688	15	.875	.094
.484	.942	.100	1.344	.781	15	1.000	.094
.609	1.148	.130	1.625	.906	15	1.250	.094
.719	1.273	.130	1.765	.906	15	1.375	.094
.844	1.398	.130	1.910	.906	15	1.500	.125
1.078	1.713	.132	2.270	.906	15	1.875	.125
1.312	1.962	.132	2.560	.906	15	2.125	.125
1.781	2.587	.132	3.480	.906	15	2.750	.125

NOTE:

1. If face of boss is a machined surface, dimensions F and M need not apply.

P. A. SH Other Cust	INTERNATIONAL INTEREST	TITLE BOSS, GASKET SEAL STRAIGHT THREAD TUBE FITTING, STANDARD DIMENSIONS FOR	MILITARY STANDARD MS16142(SH)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	Page 2 of 2	

DD FORM 672-1 (LIMITED COORDINATION)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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APPROVED 13 Aug 56 REVISED (C) For change (s) see page 2