

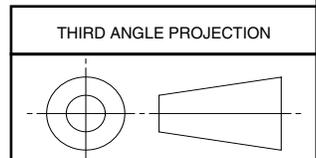
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CUSTODIAN: SAE AE-8/AE-8C1

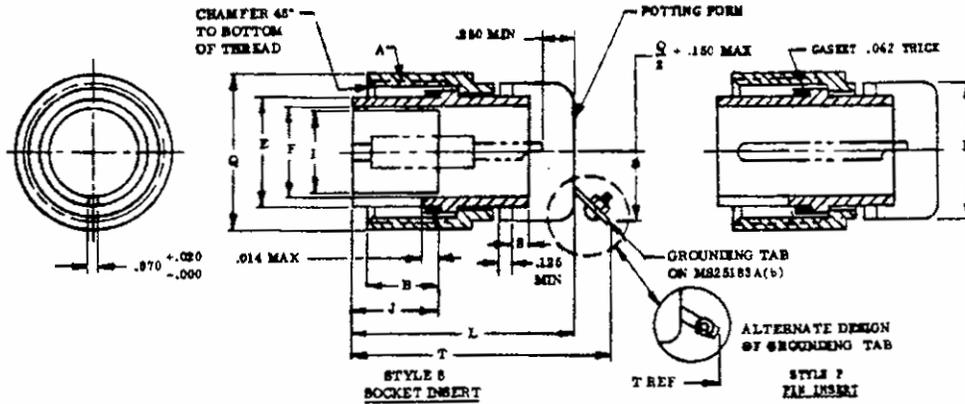
PROCUREMENT SPECIFICATION: MIL-C-5015



AEROSPACE STANDARD

CONNECTOR, PLUG, ELECTRIC,
POTTING SEAL, SOLDER CONTACT,
AN TYPE

AS25183
SHEET 1 OF 3



CLASS P - POTTING SEAL

SIZE	A COUPLING THREAD	B +.000 -.062 EXT CPLG RING	E +.000 -.015 OD	F MIN ID	I MAX INSERT DIA	J LENGTH ENGAGE- MENT =.005	L (S) MAX	T (S) MAX OVERALL LENGTH	Q MAX OVERALL OD	R MAX	S (C) MIN	FOR INSERT ARRANGE- MENT SEE DRAWING
06	1/8-18	.375	.355	.252	.250	.581	1.500	1.875	.844	.819	.085	MS33660
10L	5/8-24		.440	.323	.320				.966	.707		
12S	3/4-20	.625	.556	.460	.448	.719	1.906	2.281	1.082	.863	.141	MS33661
14	7/8-20		.376	.675	.686				.826	.651		
16S	1 -20	.625	.805	.661	.650	.631	1.500	1.876	1.250	1.066	.085	MS33683
18	1-1/8-18		.930	.776	.770				1.906	2.281		
20	1-1/4-18	.625	1.050	.832	.825	.719	2.168	2.594	1.468	1.332	.226	MS33685
22	1-3/8-18		1.175	1.026	1.020				1.594	1.457		
24	1-1/2-18	.625	1.300	1.161	1.145	.719	2.168	2.594	1.719	1.582	.226	MS33687
26	1-3/4-18		1.425	1.270	1.255				1.968	1.832		
32	2 -18	.625	1.770	1.620	1.615	.719	2.168	2.594	2.210	2.082	.226	MS33689
36	2-1/4-18		1.980	1.836	1.830				2.460	2.395		
40	2-1/2-18	.625	2.230	2.057	2.045	.719	2.168	2.594	2.710	2.584	.226	MS33691
44	2-3/4-18		2.480	2.307	2.300				2.960	2.875		
46	3 -18	.625	2.730	2.557	2.550	.719	2.168	2.594	3.210	3.125	.226	MS33693

- (a) ADD .375 FOR SIZE "O" CONTACTS.
- (b) THE GROUNDING TAB MUST PROVIDE POSITIVE CONDUCTIVITY TO SHELL AND BE PROVIDED WITH A 6-32 SCREW AND NUT FOR EXTERNALLY GROUNDING PIGTAILS OF SHIELDED WIRE TO SHELL OF CONNECTOR.
- (c) THE SURFACE WITHIN THE "S" DIMENSION SHALL HAVE SURFACE IRREGULARITIES TO ASSIST THE GRIP OF THE POTTING COMPOUND TO THE SHELL.
- (d) CONNECTORS MS25183A ARE THE SAME AS MS25183 EXCEPT THAT A INCLUDES GROUNDING TAB.

NOT APPLICABLE FOR NEW DESIGNED AIR FORCE AIRBORNE EQUIPMENT.

EXAMPLE OF PART NUMBER:

