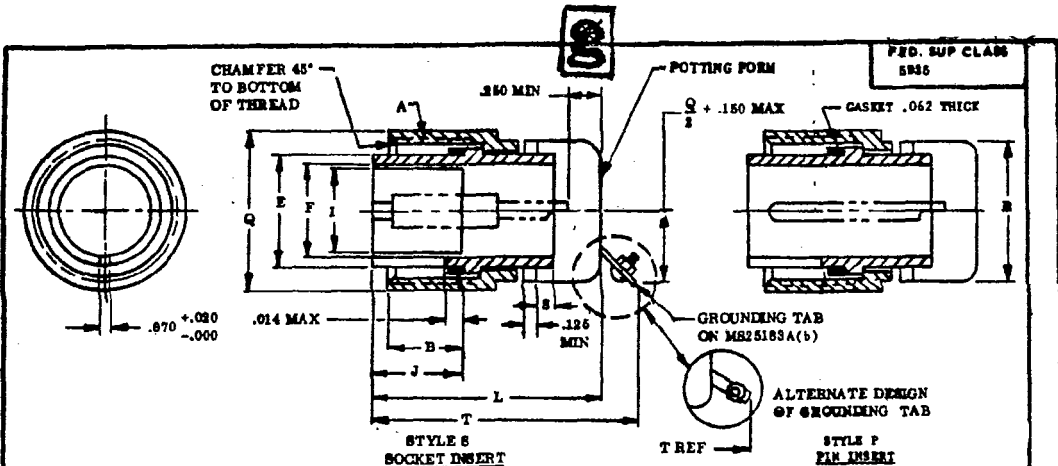


Review/user information is current as of the date of this document. For future coordination of changes to this document draft circulation should be based on the information in the current DODDS.

User Symbols:
ARMY - AT, ME
NAVY - OS, MC, CG
USAF -

Receiver Symbols:
ARMY - M, V
NAVY - SH, EC
USAF -

This military standard is approved by the Department of Defense and is mandatory for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



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 (a) MAX	T (a) MAX OVERALL LENGTH	Q MAX OVERALL OD	R MAX	S (c) MIN	FOR INSERT ARRANGE- MENT SEE DRAWING
8	1/8-28		.355	.252	.450				.644	.513		
10	5/8-24	.375	.440	.323	.440	.531	1.500	1.875	.969	.707	.085	MS33680
10EL			.446		.440							
12	3/4-20	.625	.555	.450	.448	.719	1.906	2.281	1.062	.863	.141	MS33681
14	7/8-20	.375	.678	.530	.525	.531	1.500	1.875	1.156	.941	.085	MS33682
14		.625				.719	1.906	2.281			.141	
16	1-20	.375	.805	.651	.650	.531	1.500	1.875	1.250	1.066	.085	MS33683
16							1.906	2.281			.141	
18	1-1/8-18		.930	.776	.770				1.344	1.207		MS33684
20	1-1/4-18	.625	1.050	.892	.825	.719			1.459	1.332		MS33685
22	1-3/8-18		1.175	1.026	1.020				1.594	1.457		MS33686
24	1-1/2-18		1.300	1.151	1.145				1.719	1.582		MS33687
28	1-3/4-18		1.520	1.370	1.365				1.959	1.832		MS33688
32	2-18		1.770	1.620	1.615		2.188	2.594	2.219	2.082	.226	MS33689
36	2-1/4-16		1.980	1.836	1.830				2.469	2.393		MS33690
40	2-1/2-16		2.230	2.057	2.045				2.719	2.584		MS33691
44	2-3/4-16		2.490	2.307	2.300				2.959	2.875		MS33692
48	3-16		2.730	2.557	2.550				3.219	3.125		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.

(C) NOT APPLICABLE FOR NEW DESIGNED AIR FORCE AIRBORNE EQUIPMENT.

EXAMPLE OF PART NUMBER: MS25183-18-58Y OR MS25183A-18-58Y



DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± .016.
FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(G) REVISED

P.A. NAVY - AS Other Case ARMY - EL UNAF - 11	TITLE CONNECTOR PLUG, ELECTRIC, POTTING SEAL, SOLDER CONTACT, AN TYPE	MILITARY STANDARD MS25183
PROCUREMENT SPECIFICATION MIL-C-5015	SUPERSEDES: 54A-2A-275, 54A-2A-224	SHEET 1 OF 1