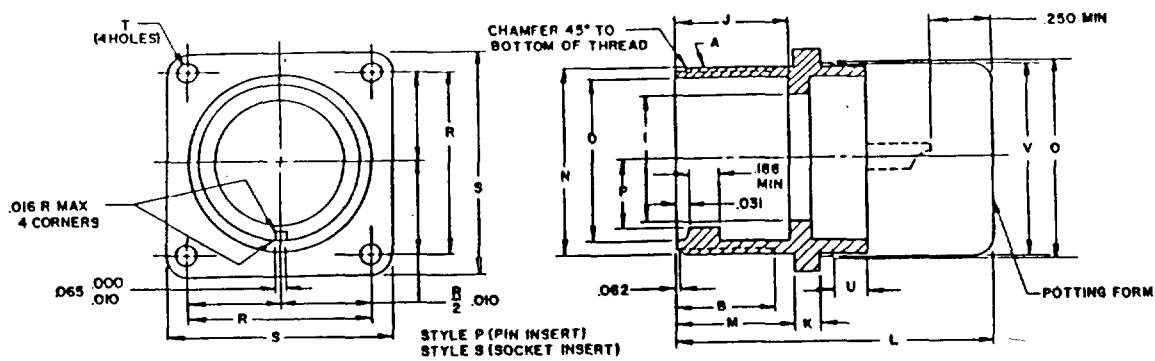


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-5015



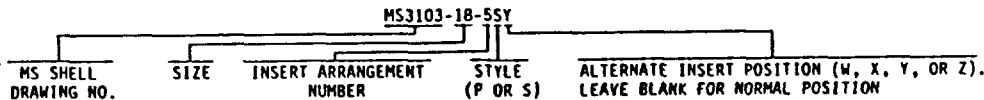
## CLASS P—ENVIRONMENT RESISTANT, POTTING

SIZE	A COUPLING THREAD	B PIN USABLE THREAD	D +.015 -.000 I.D.	F MAX INSERT DIA	J +.031 -.000 INT SHELL SHLDR	K THICKNESS MOUNTING FLANGE MAX MIN	L (a) MAX OVER- ALL LENGTH	H +.031 -.000 HTG FLANGE LOCATION	N MAX O.D.	O (REF) DIA PANEL OPENING MIN	P +.015 -.000 SET HEIGHT	R +.009 CL-CL HTG HOLE	S +.031 LENGTH SIDE	T +.010 -.005 DIA BOLT HOLE	U MIN (b)	V MAX DIA	FOR INSERT ARRANGE- MENT SEE
85	1/2-28		.370	.250					.532	.635	.130	.594	.875			.613	
105	5/8-24	.375	.448	.320	.562		1.531	.562	.658	.728	.165	.719	1.000		.085	.707	
105L																	
125	3/4-20		.557	.448		.156 .062			.782	.885	.224	.812	1.094		.141	.867	
12		.625			.750		1.968	.750						.120			
145	7/8-20	.375	.682	.525	.562		1.531	.562	.906	.963	.283	.906	1.188		.085	.941	MIL-STD-1651
14		.625			.750		1.968	.750							.141		
165	1 -20	.375	.807	.450	.562		1.531	.562	1.032	1.088	.325	.969	1.281		.085	1.064	
16							1.968										
18	1-1/8-18		.932	.770				.750	1.156	1.228	.385	1.062	1.375			1.207	
20	1-1/4-18	.625	1.058	.925	.750				1.282	1.353	.463	1.156	1.500		.141	1.332	
22	1-3/8-18		1.182	1.020		.703 .094			1.406	1.478	.510	1.250	1.625			1.457	
24	1-1/2-18		1.307	1.145			2.188	.812	1.532	1.604	.573	1.375	1.750		.147	1.582	
26	1-3/4-18		1.526	1.365					1.782	1.854	.683	1.562	2.000			1.832	
32	2 -18		1.776	1.615					2.032	2.132	.808	1.750	2.250		.226	2.110	
36	2-1/4-16		1.995	1.830		.359 .125		.875	2.282	2.417	.915	1.938	2.500		1.73	2.395	
40	2-1/2-16		2.245	2.047					2.532	2.616	1.023	2.188	2.750			2.594	

## D

## NOTES:

- (a) CLASS P IS INACTIVE FOR NEW DESIGN AFTER 1 JAN 1991.  
 (b) THE SURFACE WITHIN THE "U" DIMENSION SHALL HAVE SURFACE IRREGULARITIES TO ASSIST THE GRIP OF THE POTTING COMPOUND TO THE SHELL.



DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS  $\pm .015$ .  
 THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.  
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

PREPARING ACTIVITY: NAVY-AS  
 CUSTODIANS: ARMY- CR NAVY-AS  
 AIR FORCE-85

REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99  
 USER: ARMY-AT, NAVY-OS, MC, CG  
 PROJECT NUMBER: 5935-3745-04

MILITARY SPECIFICATION SHEET  
 TITLE CONNECTOR, RECEPTACLE,  
 ELECTRIC, POTTING SEAL,  
 SOLDER CONTACTS, AN TYPE

SPECIFICATION SHEET NUMBER  
**MS3103D** 31 AUG 1990

SUPERSEDING  
 MS25188 (AER)

AMSC- N/A FSC 5935

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