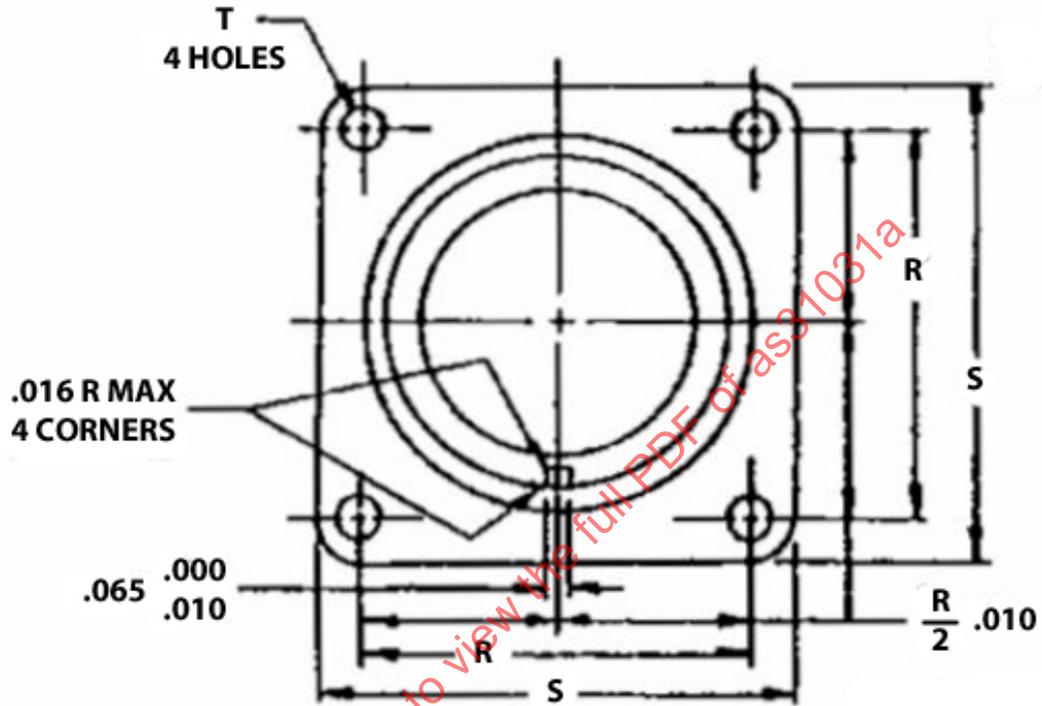


RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY, UPDATE REFERENCES, ALIGN SPECIFICATION WITH SAE GUIDELINES AND RE-WORK ILLEGIBLE DRAWINGS/TABLES, AND REVIEW SPECIFICATION FOR KNOWN TECHNICAL PROBLEMS.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS50151.

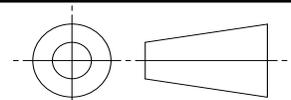


CLASS P - ENVIRONMENT RESISTENT, POTTING

FIGURE 1A - CONNECTOR CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS31031A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151

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AEROSPACE STANDARD
(R) CONNECTOR, RECEPTACLE, ELECTRIC,
POTTING SEAL, SOLDER CONTACT,
AN TYPE

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SHEET 1 OF 3

REV. A

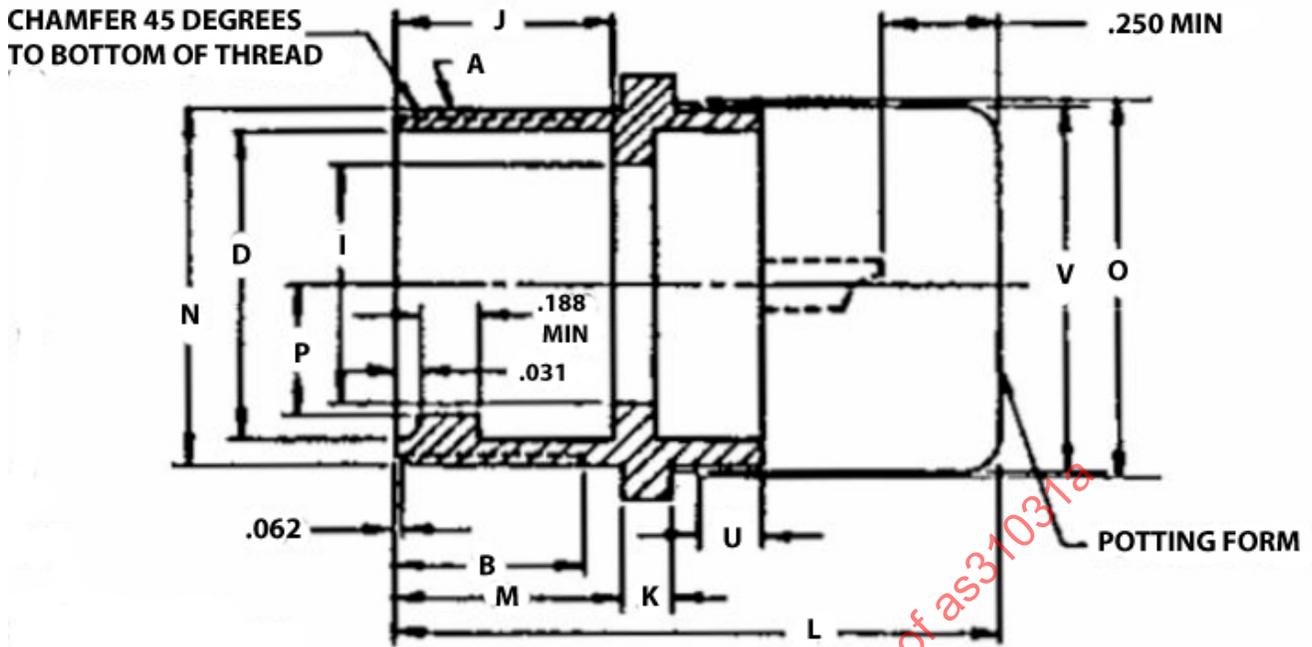
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REV. A

SAE AS31031

ISSUED 2004-06 REVISED 2011-08



CLASS P – ENVIRONMENT RESISTENT, POTTING

FIGURE 1B – CONNECTOR CONFIGURATION AND DIMENSIONS

TABLE 1 – FIGURE 1 DIMENSIONS

SIZE	A COUPLING THREAD	B MIN. USABLE THREAD	D +.015 -.000 I.D.	MAX. INSERT DIA.	J +.031 -.00 INT. SHELL SHLDR.	K THICKNESS MOUNTING FLANGE		L MAX. OVERALL LENGTH	M +.031 -.000 MOUNTING FLANGE LOCATION
						MAX.	MIN.		
8S	1/2 – 28	.375	.370	.250	.562	.156	.062	1.531	.562
10S 10SL	5/8 – 24		.448	.320					
12S	3/4 – 20	.625	.557	.448	.750	.156	.062	1.968	.750
12									
14S	7/8 – 20	.375	.682	.525	.562	.156	.062	1.531	.562
14									
16S	1 – 20	.375	.807	.650	.562	.156	.062	1.531	.562
16									
18	1-1/8 – 18	.625	.932	.770	.750	.203	.094	1.968	.750
20	1-1/4 – 18		1.058	.925					
22	1-3/8 – 18		1.182	1.020					
24	1-1/2 – 18		1.307	1.145					
28	1-3/4 – 18		1.526	1.365		.359	.125	2.188	.812
32	2 – 18		1.776	1.615					
36	2-1/4 – 16		1.995	1.830					
40	2-1/2 – 16		2.245	2.047					