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REV.
B

AS31031™

FEDERAL SUPPLY CLASS
5935

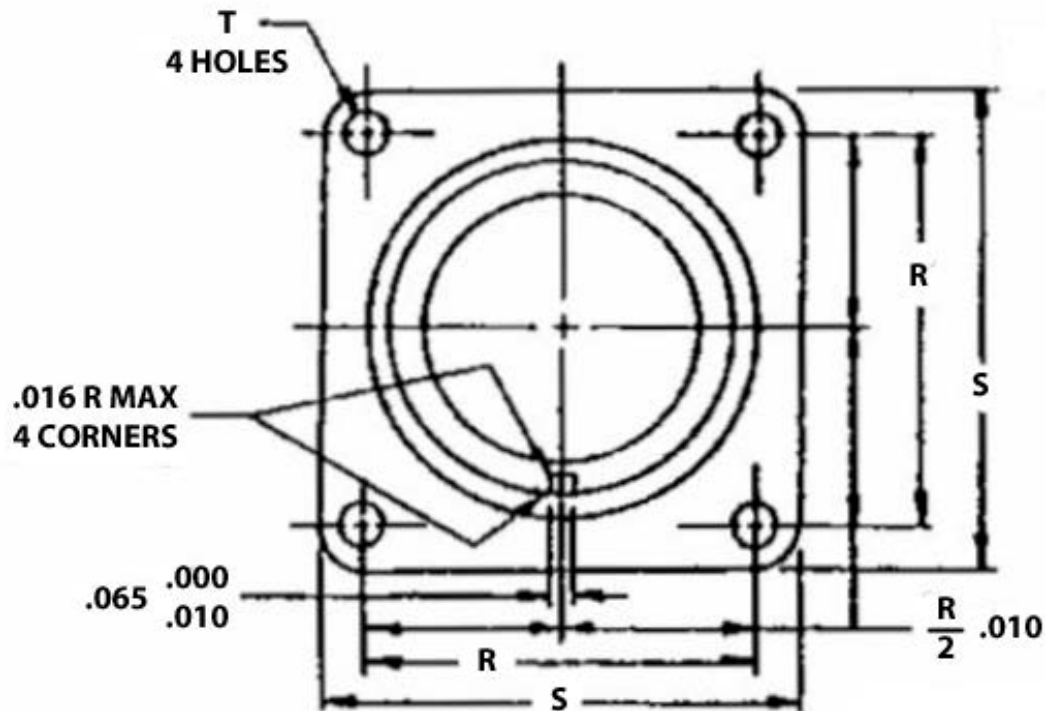
RATIONALE

REVISION IS REQUIRED TO CORRECT THE PART NUMBER; THE DASHES WERE INADVERTENTLY REMOVED AT THE LAST REVISION.

AS31031B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

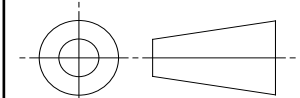


CLASS P – ENVIRONMENT RESISTENT, POTTING

FIGURE 1A – CONNECTOR CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS31031B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD

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

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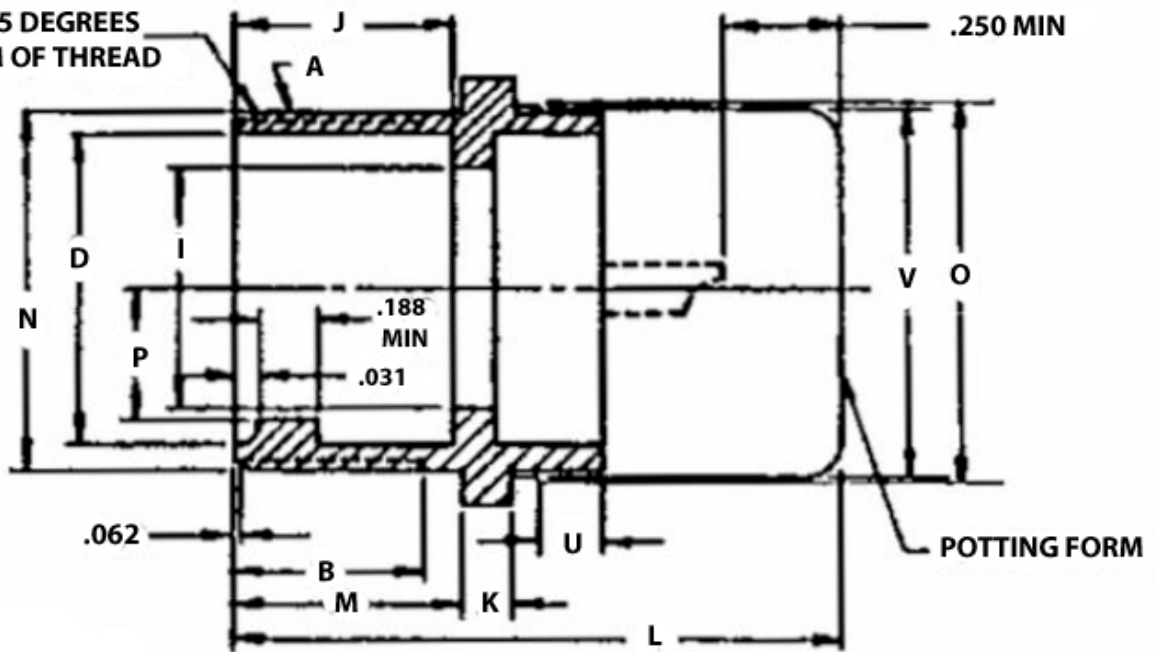
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CHAMFER 45 DEGREES
TO BOTTOM OF THREAD



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 ID	I 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	5/8 - 24		.448	.320						
10SL			.448							
12S	3/4 - 20	.625		.557	.750	.156	.062	1.968	.750	
14S	7/8 - 20	.375	.682	.525	.562			1.531	.562	
14		.625	.682	.525	.750			1.968	.750	
16S	1 - 20	.375	.807	.650	.562	.156	.062	1.531	.562	
16		.625	.807	.650	.750			1.968	.750	
18	1-1/8 - 18							.932		.770
20	1-1/4 - 18					1.058	.925			
22	1-3/8 - 18	1.182	1.020							
24	1-1/2 - 18	.625	1.307	1.145	.750	.203	.094	2.188	.812	
28	1-3/4 - 18		1.526	1.365						
32	2 - 18		1.776	1.615						
36	2-1/4 - 16	.625	1.995	1.830	.750	.359	.125	2.188	.875	
40	2-1/2 - 16		2.245	2.047						



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