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REV.
C

AS25189™

FEDERAL SUPPLY CLASS
5940

RATIONALE

LIMITED SCOPE REVISION REQUIRED TO SPECIFY TIN CONDUCTOR FOR QUALIFICATION, CLARIFY TENSILE STRENGTH FIXTURE, AND ADDRESS MINOR TECHNICAL ERRORS AS NEEDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

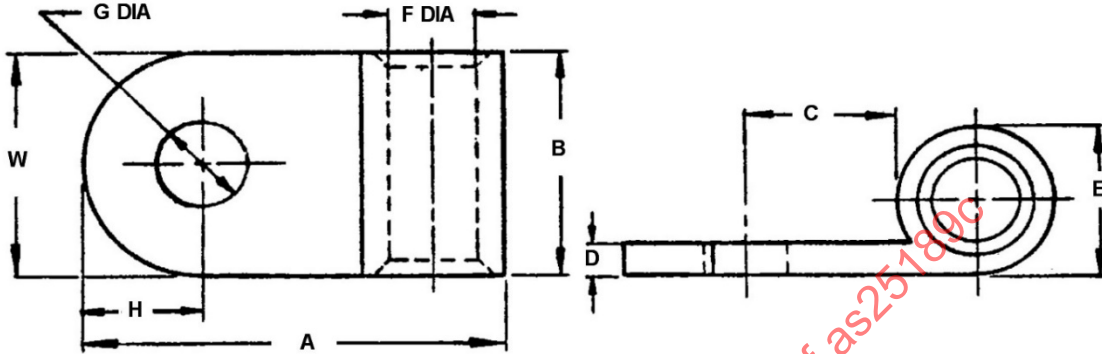


FIGURE 1 - CONFIGURATION

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

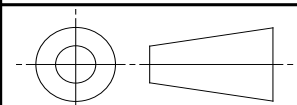
1. CONFIGURATION: DIMENSIONS ARE IN INCHES IN ACCORDANCE WITH FIGURE 1 AND TABLE 2. CONTOUR OPTIONAL WITHIN DIMENSIONS NOTED. DIMENSION B SHALL NOT EXCEED DIMENSION W. DIMENSION H SHALL NOT BE LESS THAN ONE HALF DIMENSION W MINIMUM. CHAMFER BOTH ENDS OF BARREL. THE SEAM OF THE BARREL SHALL BE PERMANENTLY SEALED AND SHALL NOT OPEN AS A RESULT OF THE CRIMPING OPERATION.
2. CRIMP TOOLS PART IDENTIFICATION NUMBERS (PIN): CRIMP TOOL, CRIMP DIE, AND INSPECTION GAGE SHALL BE IN ACCORDANCE WITH TABLE 1.

TABLE 1 - TOOL REQUIREMENTS

WIRE SIZE	CRIMP TOOL SPECIFICATION AND (PIN)	CRIMP DIE PIN M5259/7-	INSPECTION GAGE PIN M5259/6
8	AS5259/1 (MS25441-1) AS5259/3 (M5259/3-01)	-020	-007
6		-021	-008
4		-022	-009
2		-023	-010
1		-024	-011
0	AS5259/1 (MS25441-1)	-025	-012
00		-026	-013
000		-027	-014
0000		-028	-015

For more information on this standard, visit
<https://www.sae.org/standards/content/AS25189C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS7928



AEROSPACE STANDARD

TERMINAL, LUG, CRIMP STYLE, COPPER, UNINSULATED,
FLAG TONGUE, SIZES 8-0000, TYPE I, CLASS I, FOR 150 °C
TOTAL CONDUCTOR TEMPERATURE

AS25189™
SHEET 1 OF 3

REV.
C

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ISSUED 2008-07 REVISED 2024-03

TABLE 2 - AS25189 DIMENSIONS (SEE FIGURE 1)

DASH NO.	WIRE SIZE	STUD SIZE	A MAX	B MIN	C MIN	D		E		F		G DIA		H MAX	W											
						MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX										
101	8	8	1.064	.367	.250	.059	.069	.300	.330	.176	.197	.168	.178	.258	.484	.516										
102		10										.330	.193	.203			.266									
103		1/4										.398	.260	.285			.308									
104		5/16	1.125	.320	.343							.308														
105		3/8	1.390	.385	.410							.453	.734	.766												
106		1/2		.510	.535																					
107	6	10	1.118	.470	.290	.059	.069	.344	.377	.222	.244	.193	.203	.281	.484	.516										
108		1/4			.330							.260	.285	.318												
109		5/16			1.187							.398	.320	.343			.318									
110		3/8	1.432	.530	.385							.410	.453	.734			.766									
111		1/2	1.453	.540	.510							.535														
112		4	10	1.290	.470							.330	.069	.084			.433	.471	.281	.303	.193	.203	.328	.531	.585	
113	1/4		.260			.285	.344																			
114	5/16		.408			.320	.343	.344																		
115	3/8		.429	.385	.410	.453	.734	.766																		
116	1/2		1.562	.540	.510				.535																	
117	2		10	1.389	.600	.300	.069	.084	.511	.545	.355	.377			.193	.203					.360	.609	.650			
118		1/4	.260			.285							.344													
119		5/16	.408			.320							.343	.453												
120		3/8	.445	.385	.410	.453							.734	.766												
121		7/16	1.562	.443	.473																					
122		1/2	1.593	.510	.535	.390							.412	.600	.390	.412	.462	.260	.285	.333				.609	.650	
123	1/4	1.438	.260	.285	.320		.343	.333																		
124	5/16	1.463	.408	.320	.343		.333																			
125	3/8		.445	.385	.410		.460	.734	.766																	
126	7/16		1.639	.443	.473																					
127	1/2	1.776	.510	.535	.440		.462	.600	.440	.462	.462	.260						.285	.443		.740	.765				
128	1/4	.408	.320	.343		.443																				
129	5/16	1.733	.445	.385		.410						.460	.734	.765												
130	3/8		.539	.443		.473									.460											
131	7/16		.408	.260		.285						.471	.792	.835												
132	1/2	.445	.320	.343		.471																				
133	1/4	1.844	.780	.408	.113	.128	.746	.780	.502	.524	.260				.285	.471	.792	.835								
134	5/16			.445							.320				.343				.385	.410	.471					
135	3/8			.445							.443				.473				.471							
136	7/16										.510				.535				.536	.800	.825					
137	1/2										.320	.343	.385	.410	.536											
138	5/16			2.000							.805	.455	.113	.128	.800							.834	.557	.579	.443	.473
139	3/8	.539	.510		.535	.646	.666	.937																		
140	7/16		.320		.343	.890	.937																			
141	1/2		.385		.410																					
142	5/16	2.127	.984		.455	.116	.131	.866	.906	.622		.644				.443	.473	.568	.984	1.135						
143	3/8				.539											.510	.535				.646				.666	.937
144	7/16				.320						.343															
145	1/2				.385						.410															
146	5/8			3.500	.670						.646		.666	.937												
147	7/8				1.500						.890		.937													

MATERIALS:

- BASE MATERIAL SHALL BE COPPER WITH A TIN-PLATED FINISH IN ACCORDANCE WITH AS7928.

PART IDENTIFICATION NUMBER (PIN):

MS25189 -101

— DASH NUMBER (SEE TABLE 1)

— AS7928 DETAIL SPECIFICATION NUMBER

QUALIFICATION:

- TERMINAL SHALL BE TESTED IN ACCORDANCE WITH AS7928 USING AN AS22759/85 WIRE OR AN EQUIVALENT TIN FINISH INSULATED CONDUCTOR IN ACCORDANCE WITH AS29606.

	AEROSPACE STANDARD	AS25189™ SHEET 2 OF 3	REV. C
	TERMINAL, LUG, CRIMP STYLE, COPPER, UNINSULATED, FLAG TONGUE, SIZES 8-0000, TYPE I, CLASS I, FOR 150 °C TOTAL CONDUCTOR TEMPERATURE		