

REV.
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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.

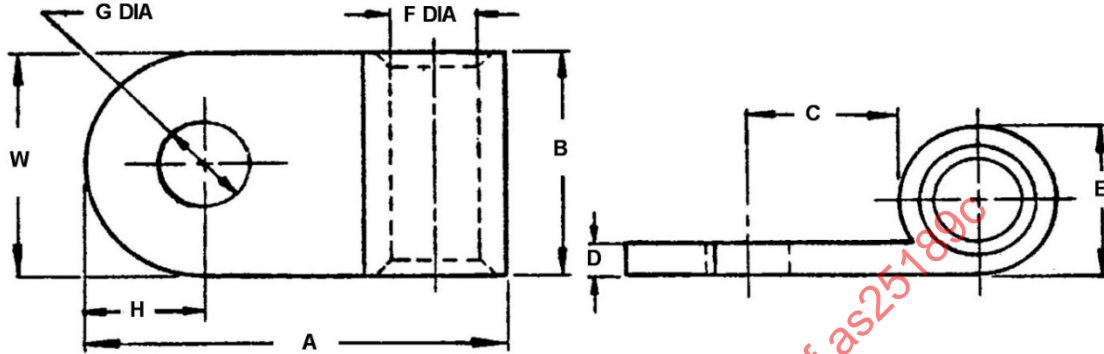


FIGURE 1 - CONFIGURATION

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

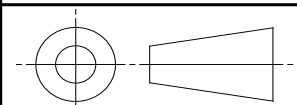
1. CONFIGURATION: DIMENSIONS ARE IN INCHES IN ACCORDANCE WITH FIGURE 1 AND TABLE 2. CONTOUR OPTIONAL WITHIN DIMENSIONS NOTED. DIMENSION B SHALL NOT EXCEED DIMENSION W. DIMENSION H SHALL NOT BE LESS THAN ONE HALF DIMENSION W MINIMUM. CHAMFER BOTH ENDS OF BARREL. THE SEAM OF THE BARREL SHALL BE PERMANENTLY 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

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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
113	1/4		.260			.285	.344	.600													
114	5/16		.408			.320	.343	.344													
115	3/8		.429	.385	.410	.453	.734	.766													
116	1/2		1.562	.510	.535																
117	2		10	1.389	.600	.300	.069	.084	.511	.545	.355	.377			.193	.203					.360
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	.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	.390	.412	.462	.443									.740
128	1/4	.260	.285	.320		.343							.443								
129	5/16	1.733	.445	.385		.410							.460	.734	.765						
130	3/8		.539	.443		.473															
131	7/16		.539	.510		.535							.502	.524	.780	.502	.524	.471	.792	.835	
132	1/2	.408	.320	.343		.385															
133	1/4	1.844	.445	.385	.410	.471	.792	.835													
134	5/16		.455	.320	.343				.385	.410	.471										
135	3/8		.445	.443	.473	.510	.535	.536													
136	7/16	2.000	.539	.455	.320	.343	.536	.800	.825												
137	1/2		.408	.385	.410	.536															
138	5/16		2.000	.805	.455	.320	.343	.536	.800	.825											
139	3/8	.408		.385	.410	.536															
140	7/16	.445		.443	.473	.510	.535	.568	.984	1.135											
141	1/2	.539	.455	.320	.343	.385	.410				.568										
142	5/16	2.127	.984	.455	.320	.343	.385				.410	.568									
143	3/8			.539	.443	.473	.510				.535	.568									
144	7/16			.539	.443	.473	.510				.535	.568									
145	1/2	3.500	.984	.670	.646	.666	.890				.937	.568	.984	1.135							
146	5/8			.670	.646	.666		.890	.937												
147	7/8			1.500	.670	.646		.666	.890	.937											

MATERIALS:

1. 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:

1. 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		