

**AS25043**

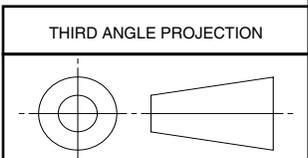
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ISSUED 2004-06

CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-5015



**AEROSPACE STANDARD**

COVER, ELECTRICAL CONNECTOR,  
RECEPTACLE, AN TYPE

**AS25043**  
SHEET 1 OF 3

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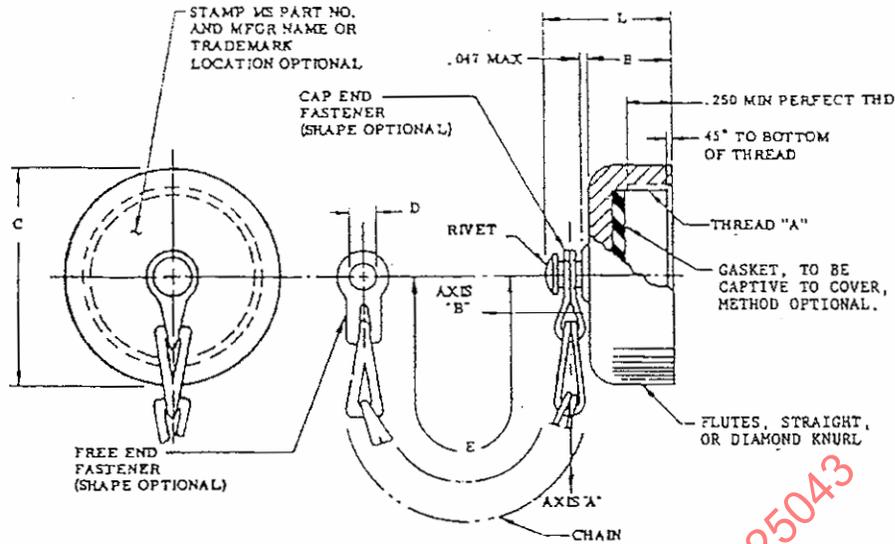
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DASH NO.	COUPLING SIZE	THREAD A	B MAX	C MAX DIA.	D +.010 DIA. - .005 DIA.	E + ONE LTRNG	L MAX
-8DA	8S	1-2-28 UNEF-2B		.688		4.000	
-10DA	10S, 10SL	5-8-24 UNEF-2B		.813			
-12DA	12, 12S	3-4-20 UNEF-2B		1.000			
-14DA	14, 14S	7-8-20 UNEF-2B		1.125	.140	4.500	.750
-16DA	16, 16S	1-20 UNEF-2B	.469	1.188			
-18DA	18	1-1/8-18 UNEF-2B		1.344			
-20DA	20	1-1/4-18 UNEF-2B		1.469		5.000	
-22DA	22	1-3/8-18 UNEF-2B		1.594			
-24DA	24	1-1/2-18 UNEF-2B		1.719	.171	5.500	
-28DA	28	1-3/4-18 UNS-2B		1.969			
-32DA	32	2-18 UNS-2B		2.219			
-36DA	36	2-1/4-18 UN-2B	.521	2.469	.187	7.750	.812
-40DA	40	2-1/2-18 UN-2B		2.719			
-44DA	44	2-3/4-18 UN-2B		2.969			
-48DA	48	3-18 UN-2B		3.188			

- (a) MATERIAL: COVER: ALUMINUM ALLOY, QQ-A-225/3, /5, /6 OR /8 CONDITION T, OR ASTM B85 ALLOY NUMBERS S12A, S12B, SC84A, SC84B.  
GASKET: SILICONE ELASTOMER DISK (THICKNESS .050 - .070)  
CHAIN: STAINLESS STEEL SASH CHAIN, RR-C-271, TYPE II, CLASS 3, GRADE NO. 8, PASSIVATED.  
CHAIN END FASTENERS: COMMERCIAL GRADE OF STAINLESS STEEL, PASSIVATED.
- (b) FINISH A - BLACK ANODIZE PER MIL-A-8625 TYPE II, CLASS 2 (MINIMUM THICKNESS .0006).
- (c) THREADS SHALL BE IN ACCORDANCE WITH MIL-S-7742.
- (d) QUALIFICATION: FOR QUALIFICATION ONE PROTECTIVE COVER OF EACH SHELL SIZE WITH MATING CLASS F OR R CONNECTORS SHALL BE SUBJECTED TO THE FOLLOWING TESTS OF MIL-C-5015: EXAMINATION OF PRODUCTS, CORROSION, AIR LEAKAGE, AND TENSILE STRENGTH.
- (e) TENSILE STRENGTH: THE PROTECTIVE COVER AND CHAIN ASSEMBLY SHALL WITHSTAND A TENSILE LOAD OF 25 POUNDS APPLIED TO AXIS "A" AND AXIS "B" FOR 5 MINUTES.
- (f) REMOVE ALL BURRS AND SHARP EDGES.
- (g) DIMENSIONS IN INCHES.