

**AS25042**

FEDERAL SUPPLY CLASS  
5935

## NOTICE

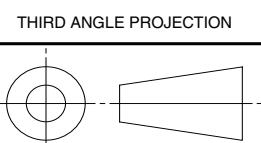
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CUSTODIAN: SAE AE-8/AE-8C1

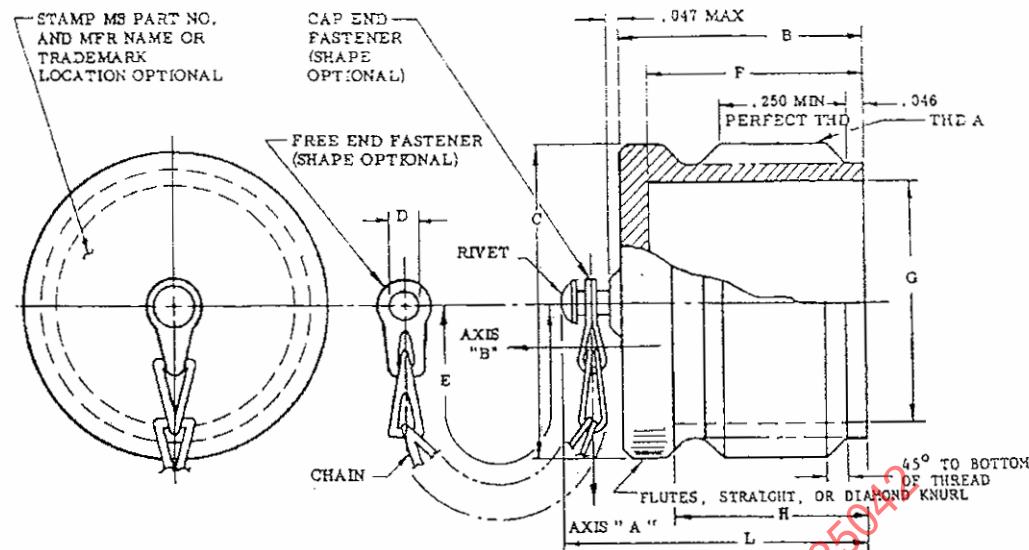
PROCUREMENT SPECIFICATION: MIL-C-5015

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

COVER, ELECTRICAL CONNECTOR;  
PLUG, AN TYPE

**AS25042**  
SHEET 1 OF 3



DASH NO.	COUPLING SIZE	THREAD A	B MAX	C MAX DIA	D +.010 -.005 (DIA.)	E ± ONE LINK	F	(a)		
								G DIA	H MIN	L MAX
-6DA	8S	1/2-28 UNEF-2A		.562				.375		
-10DA	10S, 10SL	5/8-24 UNEF-2A	.656	.687				.469	.380	.969
-12DA	12, 12S	3/4-20 UNEF-2A		.812				.562		
-14DA	14, 14S	7/8-20 UNEF-2A		.937				.688		
-16DA	16, 16S	1 -20 UNEF-2A		1.062				.812		
-18DA	18	1-1/8-18 UNEF-2A		1.187				.938		
-20DA	20	1-1/4-18 UNEF-2A		1.312				1.062		
-22DA	22	1-3/8-18 UNEF-2A		1.437				1.188		
-24DA	24	1-1/2-18 UNEF-2A		1.562				1.312		
-28DA	28	1-3/4-18 UNS-2A		1.812				1.531		
-32DA	32	2 -18 UNS-2A		2.062				1.781		
-36DA	36	2-1/4-16 UN-2A		2.312				2.000		
-40DA	40	2-1/2-16 UN-2A		2.562				2.250		
-44DA	44	2-3/4-16 UN-2A		2.812				2.500		
-48DA	48	3 -16 UN-2A		3.062				2.750	.690	

(a) MATERIAL: COVER: ALUMINUM ALLOY, QQ-A-225/3, /5, /6 OR /8 CONDITION T, OR ASTM B85 ALLOY NUMBERS S12A, S12B, SC84A, SC84B.  
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. UNLESS OTHERWISE SPECIFIED TOLERANCES  $\pm .016$ .