

AS25042

FEDERAL SUPPLY CLASS
5935

NOTICE

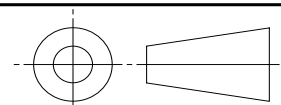
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THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-5015

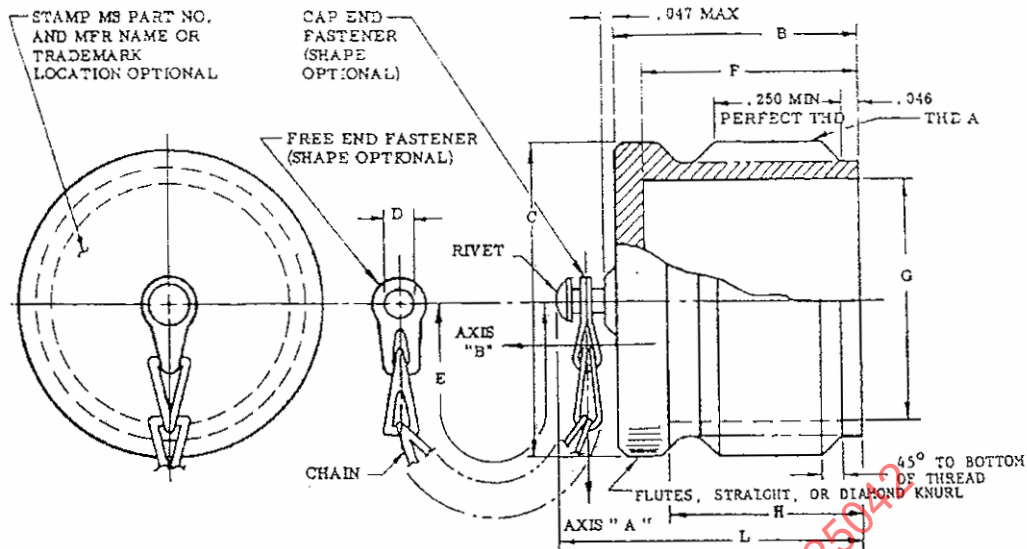
SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

COVER, ELECTRICAL CONNECTOR;
PLUG, AN TYPE

AS25042
SHEET 1 OF 3

ISSUED 2004-06



DASH NO.	COUPLING SIZE	THREAD A	B MAX	C MAX DIA	D $\pm .010$ $-.005$ DIA.	E \pm ONE LINK	F	G DIA	(a) H MIN	L MAX
-8DA	8S	1/2-28 UNEF-2A	.656	.582		4.000	.562	.375	.380	.969
-10DA	10S, 10SL	5/8-24 UNEF-2A		.687				.469		
-12DA	12, 12S	3/4-20 UNEF-2A		.812	.156			.562		
-14DA	14, 14S	7/8-20 UNEF-2A		.937		4.500		.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		5.000		1.062	.630	
-22DA	22	1-3/8-18 UNEF-2A		1.437	.187			1.188		
-24DA	24	1-1/2-18 UNEF-2A		1.562		5.500		1.312		1.156
-28DA	28	1-3/4-18 UNS-2A	.844	1.812			.750	1.531		
-32DA	32	2-18 UNS-2A		2.062				1.781		
-38DA	38	2-1/4-16 UN-2A		2.312	.218	7.750		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	.590	

- (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 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 $\pm .016$.