

REV.
F

AS25042™

FEDERAL SUPPLY CLASS
5935

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO CORRECT THE TABLE 2 FINISH CODE DESCRIPTION FOR THE DV FINISH. IT CURRENTLY CALLS OUT TIN ZINC IN ACCORDANCE WITH AMS2434 TYPE 2, GRADE B, AND IT SHOULD CALL OUT GRADE A OR GRADE B TO ALIGN WITH THE AS50151 PROCUREMENT DOCUMENT.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

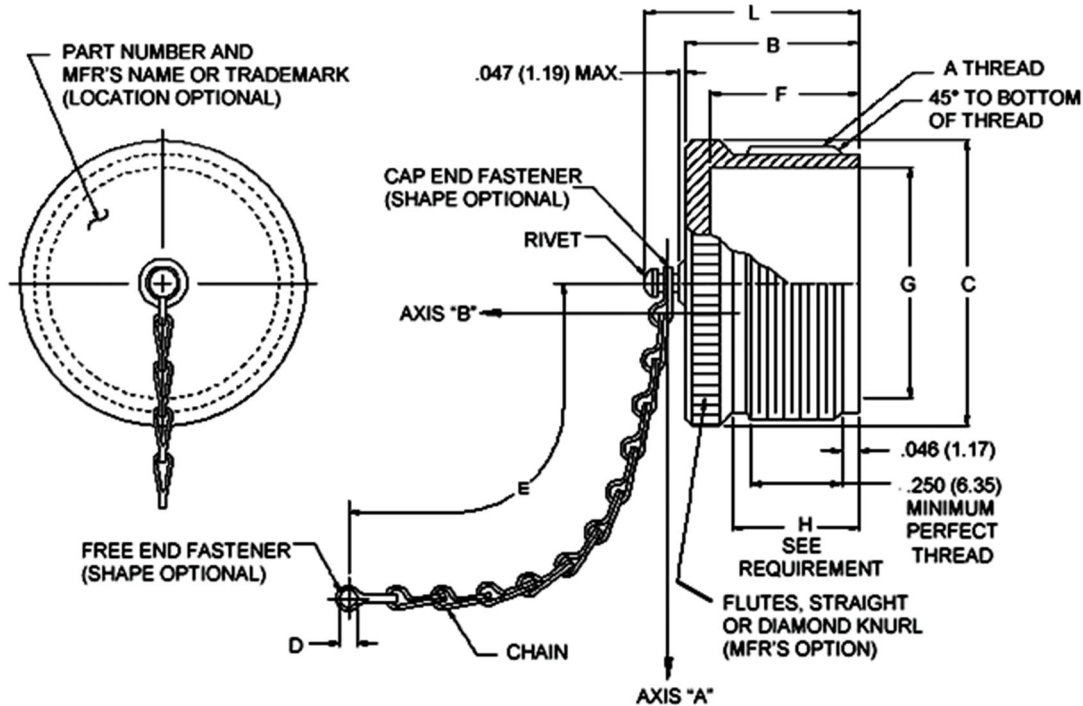
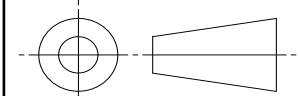


FIGURE 1 - COVER CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS25042F/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS50151



AEROSPACE STANDARD

COVER, ELECTRICAL AS50151 CONNECTOR,
PLUG, AN TYPE

AS25042™
SHEET 1 OF 5

REV.
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TABLE 1 - AS25042 DIMENSIONS (SEE FIGURE 1)

DASH NO. (-)	COUPLING SHELL SIZE (REF)	A THREAD	B MAX	C MAX DIA	D +.010 (0.27) -.005 (0.12) DIA	E ±1 LINK	F	G DIA	H MIN	L MAX	SHELL SIZE RANGE (REF)	
8	8S	.500-28 UNEF-2A	.656 (16.7)	.562 (14.3)	.156 (4.0)	4.000 (101.6)	.562 (14.3)	.375 (9.5)	.380 (9.7)	.969 (24.6)	SMALL	
10	10S, 10SL	.625-24 UNEF-2A	.844 (21.4)	.687 (17.4)		4.500 (114.3)		.469 (11.9)				
12	12, 12SL	.750-20 UNEF-2A		.812 (20.6)				.562 (14.3)				
14	14, 14SL	.875-20 UNEF-2A		.937 (23.8)				.688 (17.5)				
16	16, 16SL	1.000-20 UNEF-2A		1.062 (27.0)				.812 (20.6)				
18	18	1.125-18 UNEF-2A		1.187 (30.1)				.938 (23.8)				
20	20	1.250-18 UNEF-2A		1.312 (33.3)	.187 (4.7)			5.000 (127.0)			1.062 (27.0)	
22	22	1.375-18 UNEF-2A		1.437 (36.5)		1.188 (30.2)						
24	24	1.500-18 UNEF-2A		1.562 (39.7)		1.312 (33.3)						
28	28	1.750-18 UNS-2A		1.812 (46.0)	7.750 (196.9)	.750 (19.1)	1.531 (38.9)	LARGE				
32	32	2.000-18 UNS-2A		2.062 (52.4)			1.781 (45.2)					
36	36	2.250-16 UN-2A		2.312 (58.7)			2.000 (50.8)					
40	40	2.500-16 UN-2A		2.562 (65.1)			2.250 (57.2)					
44	44	2.750-16 UN-2A		2.812 (71.4)			2.500 (63.5)		.590 (15.0)			
48	48	3.000-16 UN-2A		3.062 (77.8)			2.750 (69.9)					

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS50151.

- DIMENSIONS AND CONFIGURATIONS: SEE FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED, AND APPLY AFTER PLATING. TOLERANCES ARE ± 0.016 (0.41) INCH. METRIC EQUIVALENTS SHOWN IN PARENTHESES ARE FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.000 INCH = 25.4 MM.
- MARKING: MARK COVER IN ACCORDANCE WITH MIL-STD-1285 (SEE FIGURE 1). MANUFACTURER'S SYMBOL SHALL BE IN ACCORDANCE WITH AIR1351.
- CONSTRUCTION: CAP END FASTENER SHALL ROTATE FREELY AFTER ASSEMBLED TO THE COVER. DIMENSION "H" IS THE MINIMUM ENGAGING DIMENSION.
- MATERIAL:

COVER: ALUMINUM ALLOY PER ASTM B211/B211M, B221/B221M, B26/B26M, B85/B85M, AMS4115, AMS4116, AMS4117, AMS4128, OR AMS-QQ-A-225/6. COVER FOR FINISH CODES DS AND DSN SHALL BE 300 SERIES CORROSION RESISTANT STEEL PER AMS-QQ-S-763, AMS5640, AMS5641, AMS5647, ASTM A276/A276M, A314, A484/A484M, OR A582/A582M.

CHAIN: STAINLESS STEEL SASH CHAIN PER RR-C-271, TYPE II, CLASS 3, GRADE B, PASSIVATED

CHAIN END FASTENERS: COMMERCIAL GRADE OF STAINLESS STEEL, PASSIVATED.

	AEROSPACE STANDARD		AS25042™ SHEET 1 OF 5	REV. F
	COVER, ELECTRICAL AS50151 CONNECTOR, PLUG, AN TYPE			



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