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AS85049™/42

FEDERAL SUPPLY CLASS
5935

RATIONALE

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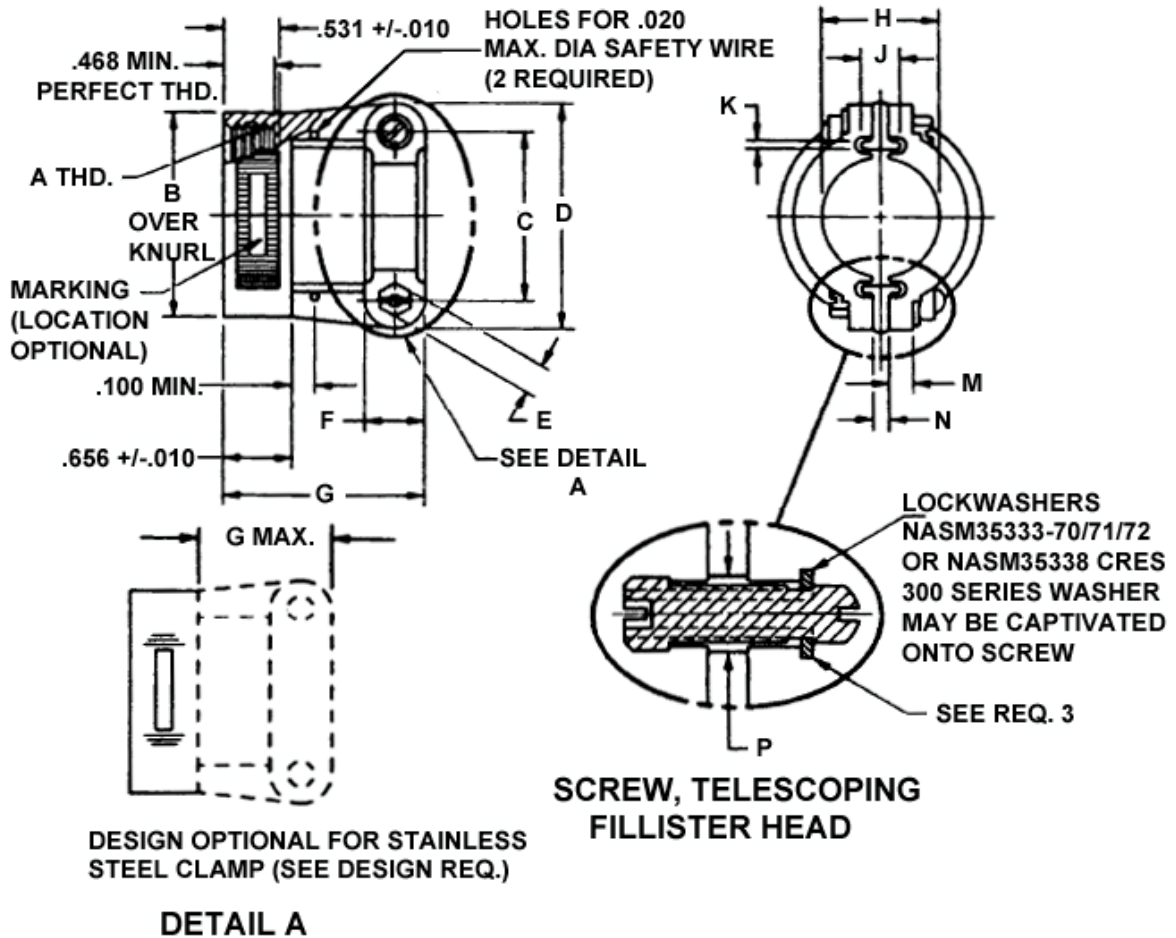
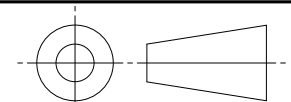


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, NONENVIRONMENTAL,
STRAIN RELIEF, STRAIGHT, CATEGORY 4A
(FOR AS50151 SOLDER TYPE, V THREAD OF MS310X
CLASSES A, B, C, OR K CONNECTORS)

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TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.010	0.25	.100	2.54	.531	13.49
.020	0.51	.468	11.89	.656	16.66

TABLE 2 - DIMENSIONS

DASH NO.	A THREAD CLASS 2B	B DIA MAX	C ±.010 (0.25) ±.032 (0.813, FOR SIZE 8D ONLY)	D ±.020 (0.51)	E +.000 -.007 (0.18)	F ±.010 (0.25) ±.026 (0.660 FOR SIZE 8D ONLY)	G ±.020 (0.51)	H (SEE REQ 4) WIRE BUNDLE ACCOMMODATION RANGE	
								MIN	MAX
-4D	.625-24UNEF	.937 (23.80)	.637 (16.18)	.937 (23.80)	.250 (6.35)	.312 (7.92)	1.281 (32.54)	.125 (3.18)	.312 (7.92)
-6D	.750-20UNEF	1.031 (26.19)	.763 (19.38)	1.125 (28.58)	.250 (6.35)	.375 (9.53)	1.281 (32.54)	.250 (6.35)	.437 (11.10)
-8D	.875-20UNEF	1.250 (31.75)	.942 (23.93)	1.312 (33.32)	.250 (6.35)	.422 (10.72)	1.281 (32.54)	.312 (7.92)	.562 (14.27)
-10D	1.000-20UNEF	1.250 (31.75)	.964 (24.49)	1.312 (33.32)	.250 (6.35)	.437 (11.10)	1.281 (32.54)	.350 (8.89)	.625 (15.88)
-12D	1.1875-18UNEF	1.437 (36.50)	1.130 (28.70)	1.531 (38.89)	.250 (6.35)	.437 (11.10)	1.312 (33.32)	.500 (12.70)	.750 (19.05)
-16D	1.4375-18UNEF	1.688 (42.88)	1.375 (34.93)	1.750 (44.45)	.250 (6.35)	.531 (13.49)	1.406 (35.71)	.625 (15.88)	.937 (23.80)
-20D	1.750-18UNS	2.000 (50.80)	1.703 (43.26)	2.093 (53.16)	.312 (7.92)	.531 (13.49)	1.593 (40.46)	.875 (22.23)	1.250 (31.75)
-24D	2.000-18UNS	2.250 (57.15)	1.906 (48.41)	2.343 (59.51)	.312 (7.92)	.531 (13.49)	1.625 (41.28)	1.000 (25.40)	1.375 (34.93)
-28D	2.250-16UN	2.500 (63.50)	2.218 (56.34)	2.750 (69.85)	.312 (7.92)	.812 (20.62)	1.900 (48.26)	1.250 (31.75)	1.625 (41.28)
-32D	2.500-16UN	2.750 (69.85)	2.500 (63.50)	3.000 (76.20)	.312 (7.92)	.812 (20.62)	1.900 (48.26)	1.437 (36.50)	1.875 (47.63)

TABLE 2 - DIMENSIONS (CONTINUED)

DASH NO.	J DIA ±.010	K ±.010	M ±.010 (0.25) ±.018 (0.46 FOR SIZE 8D ONLY)	N ±.010	P ±.005	SCREW TELESCOPING, FILLISTER HEAD
-4D	.218 (5.54)	.062 (1.57)	.156 (3.96)	.109 (2.77)	.166 (4.22)	#4-40 UNC-2*
-6D	.281 (7.14)	.062 (1.57)	.175 (4.45)	.125 (3.18)	.166 (4.22)	#4-40 UNC-2*
-8D	.312 (7.92)	.062 (1.57)	.211 (5.36)	.125 (3.18)	.166 (4.22)	#4-40 UNC-2*
-10D	.312 (7.92)	.062 (1.57)	.218 (5.54)	.125 (3.18)	.166 (4.22)	#4-40 UNC-2*
-12D	.375 (9.53)	.062 (1.57)	.250 (6.35)	.156 (3.96)	.192 (4.88)	#6-32 UNC-2*
-16D	.375 (9.53)	.062 (1.57)	.250 (6.35)	.188 (4.78)	.192 (4.88)	#6-32 UNC-2*
-20D	.475 (12.07)	.078 (1.98)	.312 (7.92)	.188 (4.78)	.217 (5.51)	#8-32 UNC-2*
-24D	.500 (12.70)	.093 (2.36)	.312 (7.92)	.250 (6.35)	.217 (5.51)	#8-32 UNC-2*
-28D	.625 (15.88)	.093 (2.36)	.312 (7.92)	.375 (9.53)	.217 (5.51)	#8-32 UNC-2*
-32D	.675 (17.15)	.125 (3.18)	.312 (7.92)	.375 (9.53)	.217 (5.51)	#8-32 UNC-2*



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