

REV. A

AS85049/2

FEDERAL SUPPLY CLASS
5935

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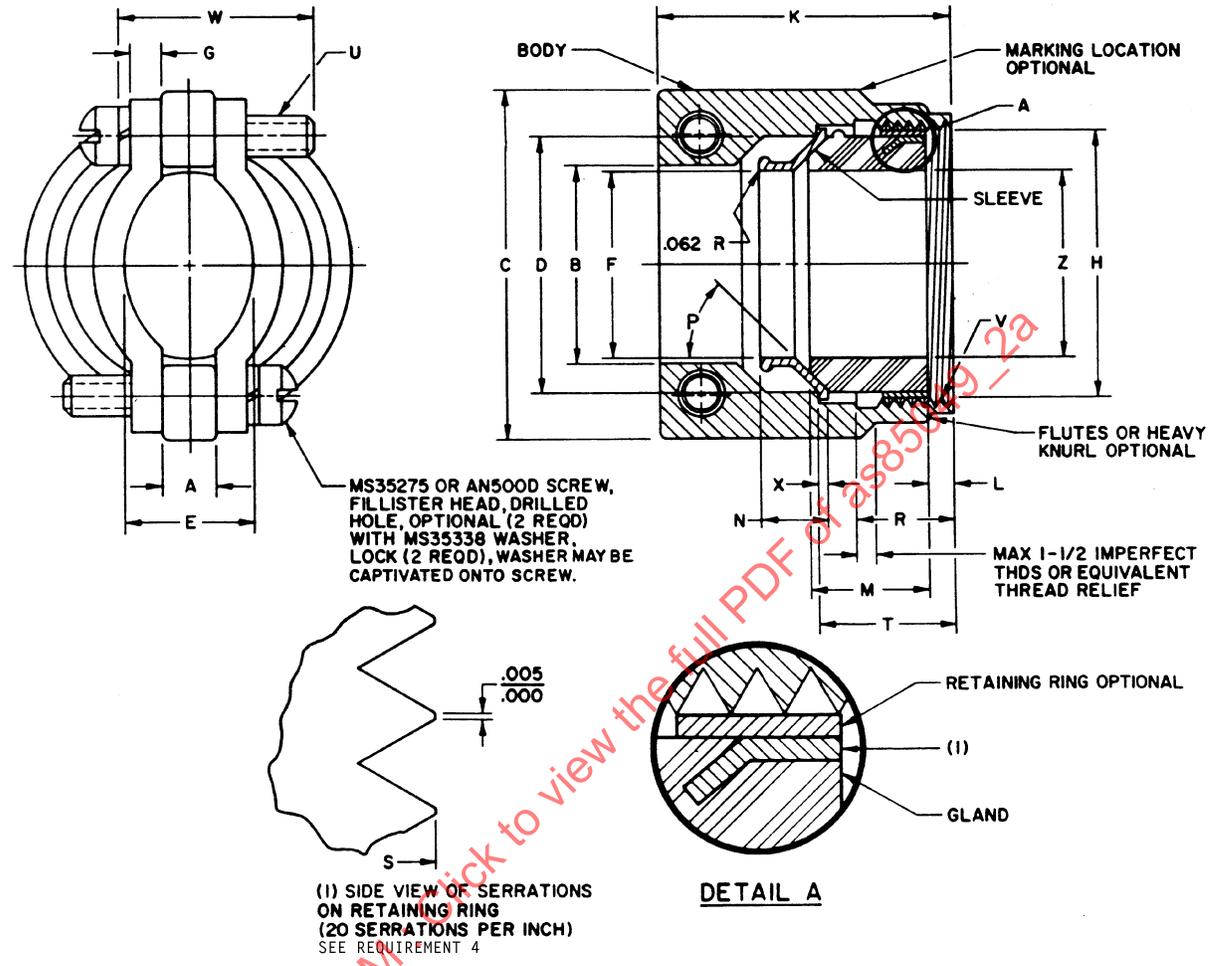
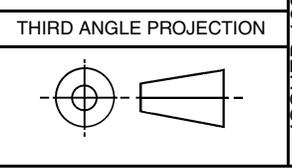


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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CUSTODIAN: SAE AE-8/AE-8C1

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AEROSPACE STANDARD
(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, CATEGORY 1C (FOR MIL-DTL-5015 SOLDER TYPE, V THREAD OF MS310X CLASSES A, B, C OR K CONNECTORS)

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ISSUED 1998-08 REVISED 2003-06 REAFFIRMED 2009-06

TABLE 1 - DIMENSIONS

Dash No.	Connector Shell Size (Ref) 1/	A +.031 - .016	B Min Cable Clearance	C Max	D +.000 - .020 Dia Gland	E Max Closed	F +.020 - .000 Dia	G +.016	H +.000 - .020 Dia 2/	K Max	L Min	M +.031	N	P Min	R Min	
-3C	8S and 10S	.188	.239	.812	.389	.217	.231	.125	.441	1.375	.156	.473	.254	20° 30°	.531	
-4C	10SL, 12S and 12		.317	.937	.510	.296	.315		.560							
-6C	14S and 14		.443	1.062	.627	.390	.440		.676							
-8C	16S and 16		.551	1.188	.744	.434	.515		.800							
-10C	18		.630	1.312	.870		.614		.926							
-12C	20 and 22	.250	.771	1.562	1.037	.596	.738	.156	1.107	1.437	.156	.537	.281	30°	.562	
-16C	24 and 28		.959	1.750	1.286		.926		1.357			1.562	.625			.320
-20C	32		1.271	2.250	1.590		.858		1.200			1.670	1.812			.662
-24C	36	.312	1.396	2.375	1.844	1.363		.188	1.920	2.062	.940	.406	35°	.781		
-28C	40		1.646	2.625	2.083	1.107			1.611						2.162	
-32C	44	.375	1.896	2.812	2.332	1.421	1.865	.188	2.412	2.188	.188	1.047	.500			

Dash No.	T	U Thread	Fillister Head Screw		Screw Size	V Thread	W Min	X	Z Dia Approx (Gland)		Bushing (Ref)	Max Cable Entry	MS35338 Washer, Lock Dash Number
			AN5000 Dash No.	MS35275 Dash No.					Free	Closed			
-3C	.641	.138-32UNC-2A	6-8	230	(6-32)	.500-28 UNEF-2B	.469	.025 +.010 - .003	.219	.031	MS3420-3A	.219	136
-4C			6-10	231		.625-24 UNEF-2B	.594		.312	.094	MS3420-4A	.312	136
-6C			6-10	231		.750-20 UNEF-2B	.719		.438	.250	MS3420-6A	.438	136
-8C			6-12	232		.875-20 UNEF-2B			.531	.312	MS3420-8A	.515	136
-10C			.672	6-12		232	1.000-20 UNEF-2B		.625	.375	MS3420-10A	.614	136
-12C	.719	.164-32UNC-2A	8-14	248	(8-32)	1.188-18 UNEF-2B	.844	.032 +.012 - .003	.750	.500	MS3420-12A	.738	137
-16C			8-18	NA		1.438-18 UNEF-2B	1.062		.938	.594	MS3420-16A	.926	137
-20C	.797	.250-20UNC-2A	416-20	284	(1/4-20)	1.750-18 UNS-2B	1.187	.051+.005	1.250	.938	MS3420-20A	1.200	139
-24C	1.016		416-22	NA		2.000-18 UNS-2B	1.312		1.375	.969	MS3420-24A	1.363	139
-28C	416-22		NA	2.250-16 UN-2B		1.625			1.138	MS3420-28A	1.611	139	
-32C	1.172		416-22	NA		2.500-16 UN-2B			.064+.005	1.875	1.375	MS3420-32A	1.865

1/ Clamp mates with connector shell size listed in the column.

2/ When the retaining ring is not used, the dimensions listed in column H shall be the minimum outer diameter of the gland for the associated dash number.

NA = Not Available

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INCH	mm	INCH	mm	INCH	mm
0.003	0.08	0.510	12.95	1.172	29.77
0.005	0.13	0.515	13.08	1.187	30.15
0.010	0.25	0.531	13.49	1.188	30.18
0.012	0.30	0.537	13.64	1.200	30.48
0.013	0.33	0.551	14.00	1.250	31.75
0.016	0.41	0.560	14.22	1.271	32.28
0.025	0.64	0.562	14.27	1.286	32.66
0.031	0.79	0.594	15.09	1.312	33.32
0.032	0.81	0.596	15.14	1.357	34.47
0.051	1.30	0.614	15.60	1.363	34.62
0.0625	1.59	0.625	15.88	1.375	34.93
0.094	2.39	0.627	15.93	1.396	35.46
0.125	3.18	0.630	16.00	1.421	36.09
0.138	3.51	0.641	16.28	1.437	36.50
0.156	3.96	0.662	16.81	1.438	36.53
0.164	4.17	0.672	17.07	1.562	39.67
0.188	4.78	0.676	17.17	1.590	40.39
0.217	5.51	0.719	18.26	1.611	40.92
0.219	5.56	0.738	18.75	1.625	41.28
0.231	5.87	0.744	18.90	1.646	41.81
0.239	6.07	0.750	19.05	1.670	42.42
0.250	6.35	0.771	19.58	1.750	44.45
0.254	6.45	0.781	19.84	1.812	46.02
0.281	7.14	0.797	20.24	1.844	46.84
0.296	7.52	0.800	20.32	1.865	47.37
0.312	7.92	0.812	20.62	1.875	47.63
0.317	8.05	0.844	21.44	1.896	48.16
0.320	8.13	0.858	21.79	1.920	48.77
0.344	8.74	0.870	22.10	2.000	50.80
0.375	9.53	0.926	23.52	2.062	52.37
0.389	9.88	0.937	23.80	2.083	52.91
0.390	9.91	0.938	23.83	2.162	54.91
0.406	10.31	0.940	23.88	2.188	55.58
0.434	11.02	0.959	24.36	2.250	57.15
0.438	11.13	0.969	24.61	2.332	59.23
0.440	11.18	1.000	25.40	2.375	60.32
0.441	11.20	1.047	26.59	2.412	61.26
0.443	11.25	1.062	26.97	2.500	63.50
0.469	11.91	1.107	28.12	2.625	66.68
0.473	12.01	1.138	28.91	2.812	71.42
0.500	12.70				

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