

REV.
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AS85049/2

FEDERAL SUPPLY CLASS
5935

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

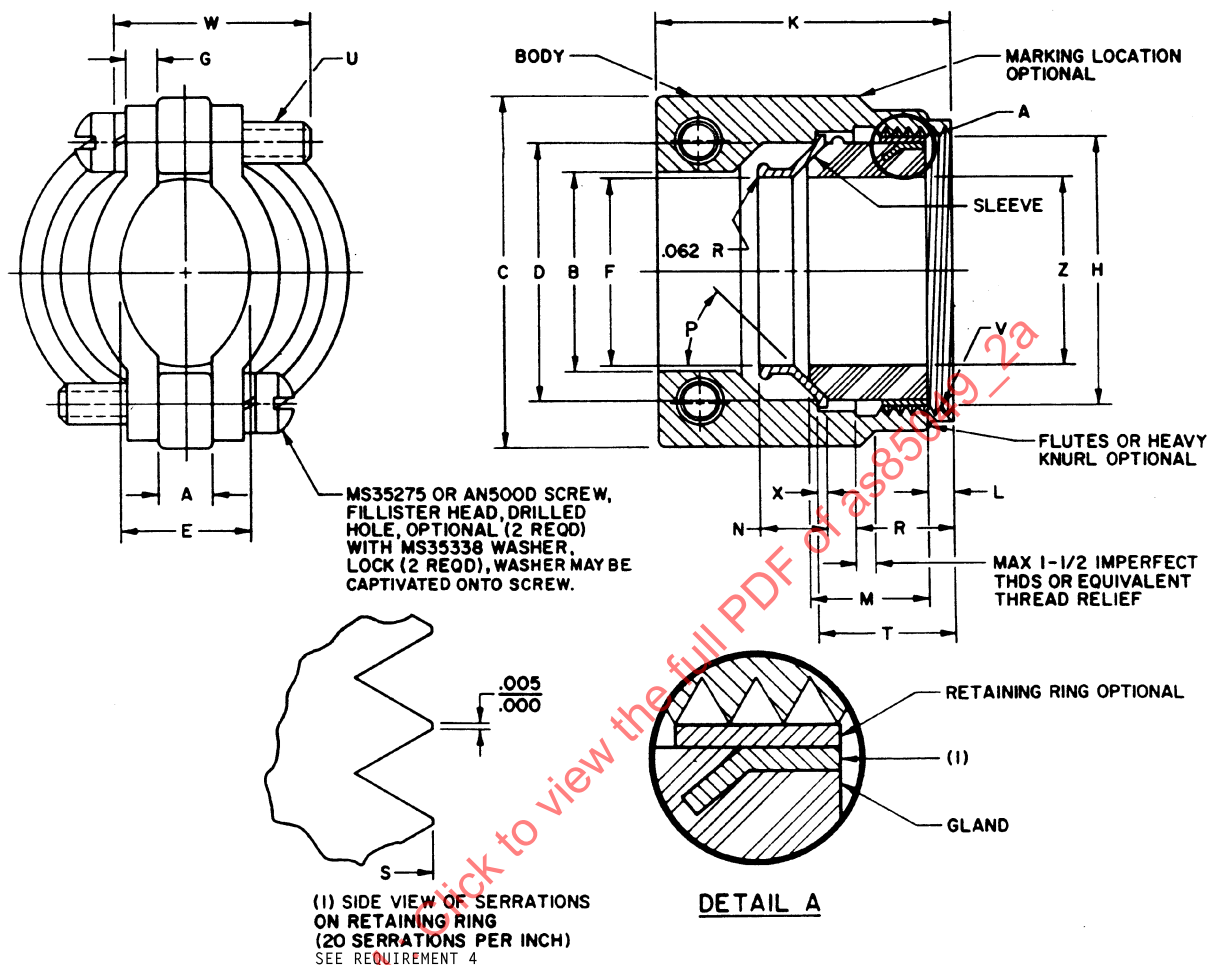
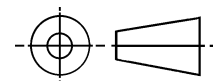


FIGURE 1 - CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/2A>

THIRD ANGLE PROJECTION



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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TABLE 1 - DIMENSIONS

Dash No.	Connector Shell Size (Ref) 1/	A +.031 -.016	B Min Cable Clear- ance	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°	.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	1.437	.537	.281	30°				
-12C	20 and 22	.250	.771	1.562	1.037	.596	.738		1.107	.625		.320			
-16C	24 and 28		.959	1.750	1.286		.926	1.357	1.562	.344					
-20C	32		.312	1.271	2.250	1.590	.858	1.200	1.670	1.812	.662	.406	35°	.562	
-24C	36	1.396		2.375	1.844	1.363		1.920	2.062	.940					
-28C	40	1.646		2.625	2.083	1.107	1.611	2.162	2.188	1.047	.500			.781	
-32C	44	.375		1.896	2.812	2.332	1.421	1.865	2.412	2.188	.188				

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		
			AN500D 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	.164-32UNC-2A	6-12	232	(8-32)	1.000-20 UNEF-2B	.844	.032 + .012 - .003	.625	.375	MS3420-10A	.614	136		
-12C	.719		8-14	248		1.188-18 UNEF-2B			.750	.500	MS3420-12A	.738	137		
-16C	.797		8-18	NA		1.438-18 UNEF-2B			1.062	.938	.594	MS3420-16A	.926	137	
-20C			416-20	284		1.750-18 UNS-2B			1.187	1.250	.938	MS3420-20A	1.200	139	
-24C	1.016	.250-20UNC-2A	416-22	NA	(1/4-20)	2.000-18 UNS-2B	1.312	.051+.005	1.375	.969	MS3420-24A	1.363	139		
-28C	1.172		416-22	NA		2.250-16 UN-2B			1.625	1.138	MS3420-28A	1.611	139		
-32C			416-22	NA		2.500-16 UN-2B			1.875	1.375	MS3420-32A	1.865	139		

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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REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.

2. LUBRICANT, VV-P-236, MAY BE APPLIED TO THREADS AND SURFACES OF SLEEVE IF REQUIRED.

3. OPTIONAL RETAINING RING SHALL BE BONDED TO GLAND.

4. FOR SIZES -3 THROUGH -10, SERRATIONS SHALL BE COVERED WITH RUBBER. FOR SIZES LARGER THAN -10, SERRATIONS MAY BE COVERED WITH RUBBER. DEPTH OF RUBBER SHALL NOT EXCEED .013.

5. MATERIAL AND FINISH: SEE TABLE 2.

6. QUALIFICATION: SEE SAE AS85049, CATEGORY 1C.

7. QUALIFICATION IS REQUIRED FOR U.S. GOVERNMENT PROCUREMENT. THE QPL EVALUATING ACTIVITY, FOR U.S. DEPARTMENT OF DEFENSE PROCUREMENT PURPOSES, NAVAL AIR SYSTEMS COMMAND (CODE 4.4.4.3), 48142 SHAW ROAD, BLDG. 3197, SUITE E, PATUXENT RIVER, MD 20670.

8. PART NUMBER: SEE EXAMPLE BELOW:

Military designator _____ M85049/ _____ 2 _____ -3C
Specification sheet _____
Dash number (see Table 1) _____

9. SUPERSESSION DATA:

MS3057C - * * M85049/2 - *
Dash Number
Finish

<u>Old</u>	<u>New</u>
A	W
C	W
N	W

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