

REV.
A

AS85049/1

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.

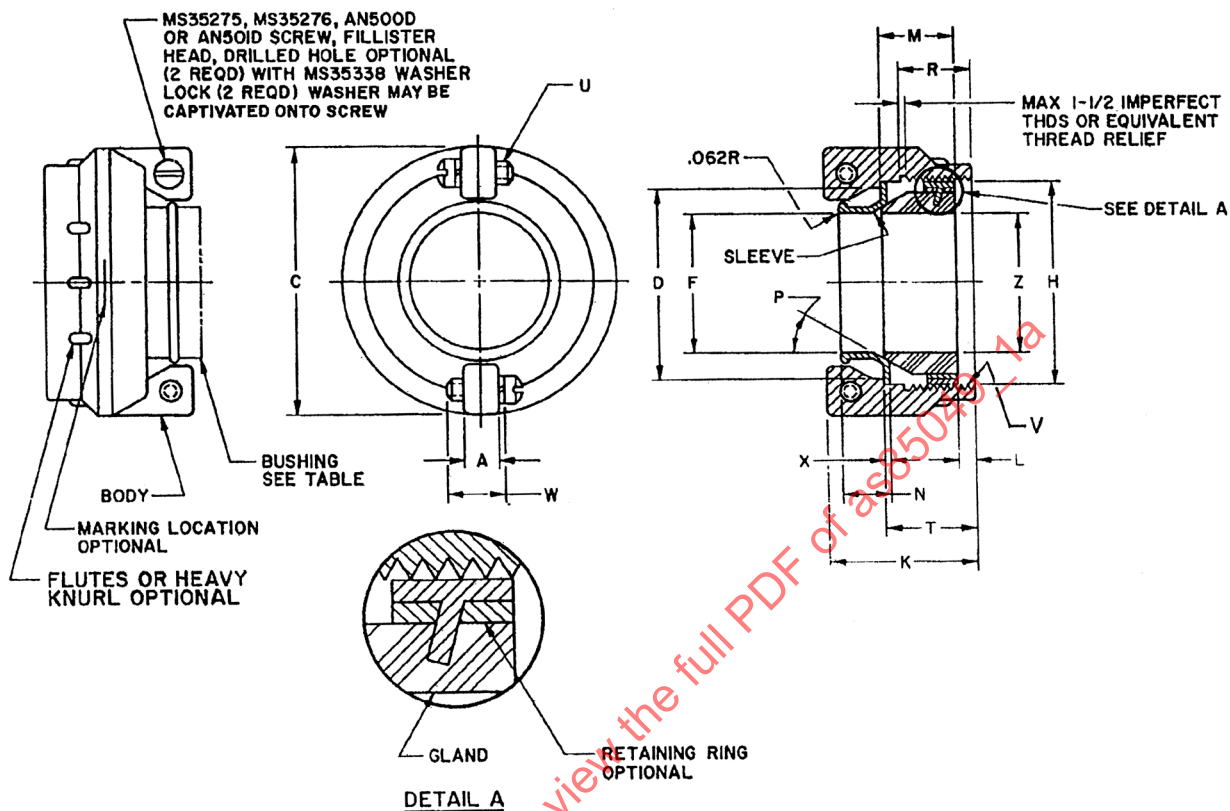
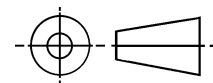


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
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AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, GROUNDING (WITHOUT STRAIN RELIEF), CATEGORY 1C (FOR MIL-DTL-5015 SOLDER TYPE, V THREAD OF MS310X CLASSES A, B, C OR K CONNECTORS)

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SHEET 1 OF 5

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TABLE 1 - DIMENSIONS

Dash No.	Connector Shell Size (Ref) 1/	A +.031 -.016	C Max	D +.000 -.020 Dia Gland	F +.020 -.000 Dia	H +.000 -.020 Dia 2/	K Max	L Min	M +.031	N	P +2°	R Min	T	U Thread	MS35338 Washer, Lock Dash Number
-3B	8S and 10S	.188	.812	.389	.231	.441	1.031	.156	.473	.254	20°	.531	.641	6-32UNC-2A	136
-4B	10SL, 12S and 12		.937	.510	.315	.560									136
-6B	14S and 14		1.062	.627	.440	.676									136
-8B	16S and 16		1.188	.744	.515	.800									136
-10B	18		1.312	.870	.614	.926	1.094								136
-12B	20 and 22	.250	1.562	1.037	.738	1.107	1.219	.625	.320	.344	30°	.719	8-32UNC-2A	137	137
-16B	24 and 28		1.750	1.286	.926	1.357									
-20B	32		2.250	1.590	1.200	1.670	1.344								
-24B	36	.312	2.375	1.844	1.363	1.920	1.547	.940	.406	.562	35°	.781	1.016	10-32UNF-2A	138
-28B	40		2.625	2.083	1.611	2.162									138
-32B	44	.375	2.812	2.332	1.865	2.412	1.734	.188	1.047	.500	.781	1.172	1.234	138	138
-40B	48		3.312	2.832	2.365	2.912	1.781								

Dash No.	Fillister Head Screw				V Thread	W Min	X	Z Dia Approx (Gland)		Bushing (Ref)	Max Cable Dia	
	AN500D Dash Number	MS35275 Dash Number	AN501D Dash Number	MS35276 Dash Number				Free	Closed			
-3B	6-5	227			.500-28 UNEF-2B	.281	.025 +.010 -.003	.219	.027	MS3420-3A	.209	
-4B	6-5	227			.625-24 UNEF-2B			.312	.094	MS3420-4A	.302	
-6B	6-5	227			.750-20 UNEF-2B			.438	.230	MS3420-6A	.428	
-8B	6-5	227			.875-20 UNEF-2B			.531	.312	MS3420-8A	.516	
-10B	6-5	227			1.000-20 UNEF-2B			.625	.375	MS3420-10A	.614	
-12B	8-6	243			1.188-18 UNEF-2B	.344	.032 +.012 -.003	.750	.445	MS3420-12A	.738	
-16B	8-6	243			1.438-18 UNEF-2B			.938	.594	MS3420-16A	.926	
-20B				10-7	262	1.750-18 UNS-2B	.406	.051 +.006	1.250	.922	MS3420-20A	1.200
-24B				10-7	262	2.000-18 UNS-2B			1.375	.922	MS3420-24A	1.363
-28B				10-7	262	2.250-16 UN-2B			1.625	1.180	MS3420-28A	1.611
-32B				10-7	262	2.500-16 UN-2B		.064 +.006	1.875	1.375	MS3420-32A	1.865
-40B				10-7	262	3.000-16 UN-2B			2.375	1.875	MS3420-40A	2.365

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.

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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/ _____ 1 _____ -38
 Specification sheet number _____
 Dash number (see Table 1) _____

MS3057 - * *

MS5049/1 - *

Dash Number

Finish

<u>01d</u>	<u>New</u>
A	W
C	W
N	W