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AS85049/56

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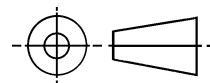
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THIRD ANGLE PROJECTION



PREPARED BY SAE SUBCOMMITTEE AE-8C1

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AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN
RELIEF, STRAIGHT, CATEGORY 4C
(MIL-C-38999 SERIES I AND II CONNECTORS)

AS85049/56
SHEET 1 OF 4

ISSUED 2000-05 REAFFIRMED 2006-01

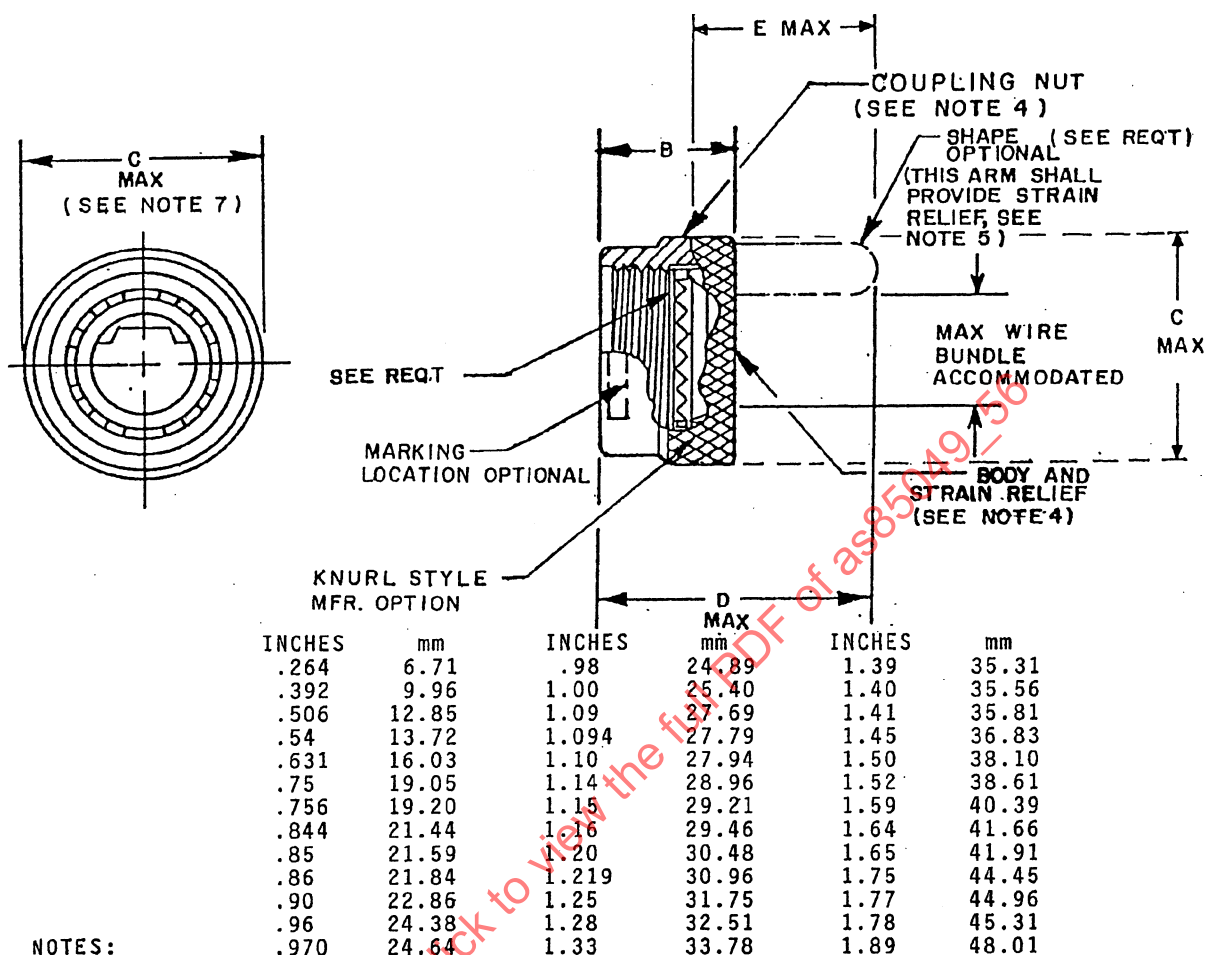
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THE REQUIREMENTS FOR ACQUIRING THE ACCESSORIES DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF MIL-C-85049.



NOTES:

1. Dimensions are in inches.
2. Tolerances shall be: .xx = ± 0.03 and .xxx = ± 0.015 angular tolerances x = ± 2 .
3. Metric equivalents are given for general information only.
4. Complete strain relief unit consists of coupling nut and body with strain relief arm. The coupling nut shall be captivated to the body and free to rotate.
5. Strain relief unit is used with MS3367-1-X plastic strap, MIL-T-713 lacing twine or MIL-T-43435 lacing tape or equivalent, not supplied with the backshell.
6. This accessory will not accommodate connectors using 8, 4, and 0 contacts.
7. C Max is the maximum envelope dimensions of the strain relief.

FIGURE 1. DIMENSIONS AND CONFIGURATION.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and table I.

Interface dimensions shall conform to MIL-C-38999, series I and II.

No part of strain relief arm shall extend beyond C maximum.

Material:

Accessory nut and follower: Aluminum alloy in accordance with MIL-C-85049.

Tie mount: Polyamide (optional).

Fastener: Stainless steel (optional).

Finish: A, N, W. 1/

TABLE I. SHELL SIZE AND DIMENSIONS.

Dash number (accessory shell size)	Fits connector shell size		B maximum	C diameter maximum	D maximum	Maximum wire bundle accommodated	E maximum
	Series II	Series I					
08	8	9	.54	.86	1.09	.264	.90
10	10	11	.54	.98	1.09	.392	.90
12	12	13	.54	1.16	1.15	.506	.96
14	14	15	.54	1.28	1.33	.631	1.14
16	16	17	.54	1.41	1.33	.756	1.14
18	18	19	.54	1.52	1.39	.844	1.20
20	20	21	.54	1.64	1.52	.970	1.33
22	22	23	.54	1.77	1.64	1.094	1.45
24	24	25	.54	1.89	1.78	1.219	1.59

Part number: See example below:

Military designator _____ M85049/ _____ 56 _____ -10 _____ W
 Specification sheet _____
 Dash number (accessory shell size)(see table I) _____
 Finish _____

1/ A finish inactive for new design. N finish not for Navy use; Air Force use for space applications only. W is the preferred finish.