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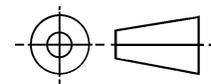
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THIRD ANGLE PROJECTION



ISSUED 2000-05

PREPARED BY SAE SUBCOMMITTEE AE-8C1



**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL,  
STRAIN RELIEF, 45°, SELF-LOCKING AND  
NONSELF-LOCKING, CATEGORY 4C  
(MIL-C-38999 SERIES I AND II CONNECTORS)

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SHEET 1 OF 6

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

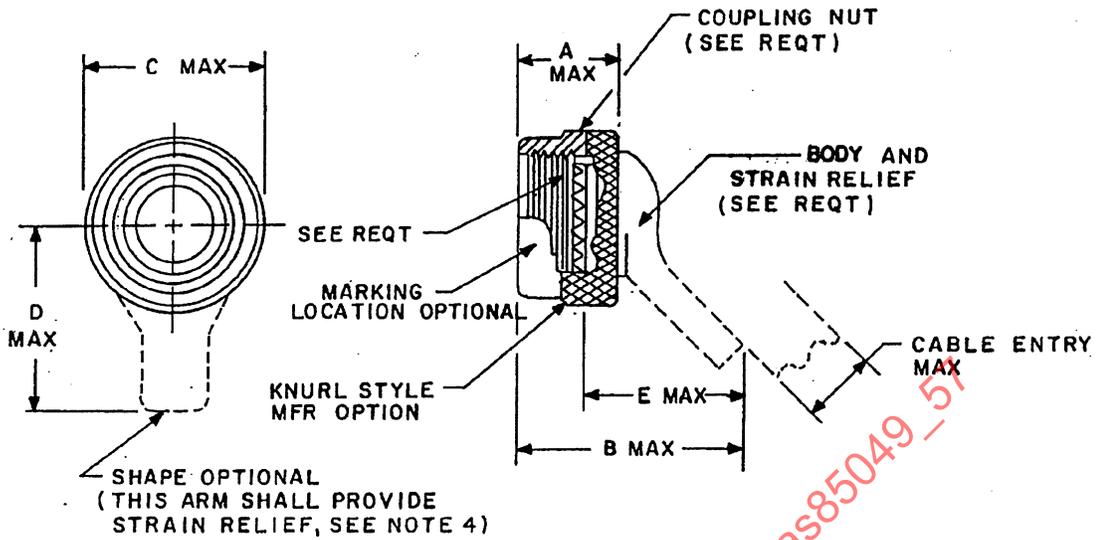


FIGURE 1. DIMENSIONS AND CONFIGURATIONS (SELF-LOCKING AND NONSELF-LOCKING).

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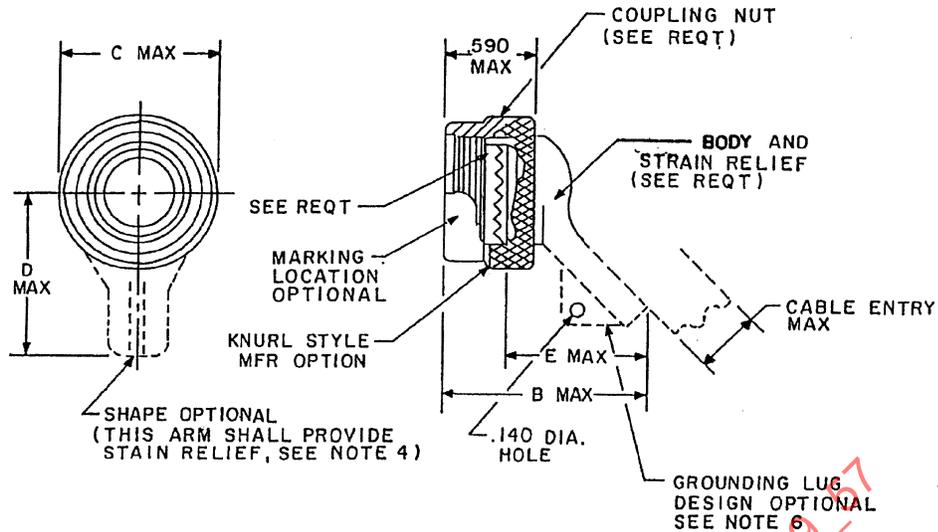
## Shell sizes and dimensions

Dash number	Connector shell size		A max		B max	C max		D max	E max	Cable entry max
	Series II	Series I	Non-self-locking	Self-locking		Non-self-locking	Self-locking			
8	8	9	.540 (13.7)	.590 (14.99)	1.25 (31.8)	.75 (19.1)	.86 (21.8)	.88 (22.3)	1.03 (26.2)	.264 (6.71)
10	10	11	.540 (13.7)	.590 (14.99)	1.25 (31.8)	.85 (21.6)	.98 (24.9)	.88 (22.3)	1.03 (26.2)	.392 (9.96)
12	12	13	.540 (13.7)	.590 (14.99)	1.25 (31.8)	1.00 (25.4)	1.16 (29.5)	.94 (23.9)	1.03 (26.2)	.506 (12.9)
14	14	15	.540 (13.7)	.590 (14.99)	1.31 (33.3)	1.10 (27.9)	1.28 (32.5)	1.25 (31.8)	1.09 (27.7)	.631 (16.0)
16	16	17	.540 (13.7)	.590 (14.99)	1.33 (33.8)	1.25 (31.8)	1.41 (35.8)	1.31 (33.3)	1.11 (28.2)	.756 (19.2)
18	18	19	.540 (13.7)	.590 (14.99)	1.43 (36.3)	1.40 (35.6)	1.52 (38.6)	1.38 (35.1)	1.21 (30.7)	.845 (21.5)
20	20	21	.540 (13.7)	.590 (14.99)	1.48 (37.6)	1.50 (38.1)	1.64 (41.7)	1.50 (38.1)	1.26 (32.0)	.970 (24.6)
22	22	23	.540 (13.7)	.590 (14.99)	1.52 (38.6)	1.65 (41.9)	1.77 (45.0)	1.69 (42.9)	1.30 (33.0)	1.095 (27.81)
24	24	25	.540 (13.7)	.590 (14.99)	1.56 (39.6)	1.75 (44.5)	1.89 (48.0)	1.75 (44.5)	1.34 (34.0)	1.220 (30.99)

## NOTES:

1. Dimensions are in inches.
2. Tolerances shall be: .xx = ±.03 and .xxx = ±0.15 angular tolerances x = #2.
3. Metric equivalents are in parentheses and are given for general information only.
4. 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.
5. This accessory will not accommodate connectors using 8, 4, and 0 contacts.

FIGURE 1. DIMENSIONS AND CONFIGURATIONS (SELF-LOCKING AND NONSELF-LOCKING) - CONTINUED.



Shell sizes and dimensions

Dash number	Connector Shell size		B max	C dia max	D max	E max	Cable entry	Dash number	Connector Shell size		B max	C dia max	D max	E max	Cable entry max
	Series II	Series I							Series II	Series I					
8	8	9	1.40 (35.6)	.859 (21.82)	.88 (22.3)	1.21 (30.7)	.264 (6.71)	16	16	17	1.58 (40.1)	1.406 (35.71)	1.31 (33.3)	1.39 (35.3)	.756 (19.20)
10	10	11	1.40 (35.6)	.984 (24.99)	.88 (22.3)	1.21 (30.7)	.392 (9.96)	18	18	19	1.58 (40.1)	1.516 (38.51)	1.38 (35.1)	1.39 (35.3)	.945 (21.46)
12	12	13	1.58 (40.1)	1.156 (29.36)	.94 (23.8)	1.39 (35.3)	.506 (12.85)	20	20	21	1.58 (40.1)	1.641 (41.68)	1.50 (38.1)	1.39 (35.3)	.970 (24.64)
14	14	15	1.58 (40.1)	1.281 (32.54)	1.25 (31.8)	1.39 (35.3)	.631 (16.03)	22	22	23	1.58 (40.1)	1.766 (44.86)	1.69 (42.9)	1.39 (35.3)	1.095 (27.81)
								24	24	25	1.58 (40.1)	1.891 (48.03)	1.75 (44.5)	1.39 (35.3)	1.220 (30.99)

NOTES:

- Dimensions are in inches.
- Tolerances shall be .xx = ±.03 and .xxx = ±.015 angular tolerances x = #2.
- Metric equivalents are in parentheses and are given for general information only.
- 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.
- This accessory will not accommodate connectors using 8, 4, and 0 contacts.
- Not for Navy use. Not for new design for Air Force.

FIGURE 2. DIMENSIONS AND CONFIGURATIONS (SELF-LOCKING ONLY WITH GROUNDING LUG).