

REV.
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AS85049/49

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.

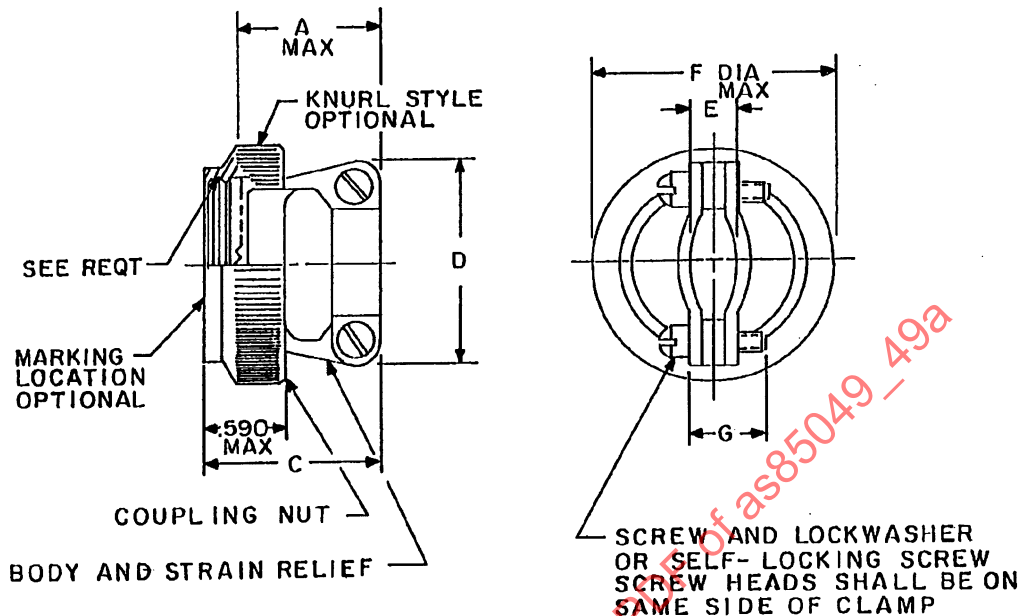
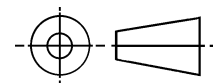


FIGURE 1 - DIMENSIONS AND CONFIGURATION (SELF-LOCKING ONLY)

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
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AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, STRAIGHT, SELF-LOCKING AND NON-SELF-LOCKING, CATEGORY 4B (MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049/49
SHEET 1 OF 6

**REV.
A**

Shell sizes and dimensions

Dash number	Connector shell size		A max	C max	D max	E Wire bundle accommodation range (See note 6)		F max dfa	G +.000 -.062 screw length	Screw size
	Series II	Series I				Min	Max			
8	8	9	.91 (23.1)	1.15 (29.2)	.85 (21.6)	.098 (2.49)	.234 (5.94)	.859 (21.82)	.500 (12.70)	6-32
10	10	11	.91 (23.1)	1.15 (29.2)	.90 (22.9)	.153 (3.89)	.234 (5.94)	.984 (24.99)	.500 (12.70)	6-32
12	12	13	1.01 (25.7)	1.25 (31.8)	1.10 (22.9)	.190 (4.83)	.328 (8.33)	1.156 (29.36)	.625 (15.88)	6-32
14	14	15	1.06 (26.9)	1.30 (33.0)	1.15 (29.2)	.260 (6.60)	.457 (11.61)	1.281 (32.54)	.750 (19.05)	6-32
16	16	17	1.16 (29.5)	1.40 (35.6)	1.30 (33.0)	.283 (7.19)	.614 (15.60)	1.406 (35.71)	.750 (19.05)	6-32
18	18	19	1.41 (35.9)	1.65 (42.0)	1.50 (38.1)	.325 (8.26)	.634 (16.10)	1.516 (38.51)	.750 (19.05)	8-32
20	20	21	1.51 (38.4)	1.75 (44.5)	1.60 (40.6)	.343 (8.71)	.698 (17.73)	1.641 (41.68)	.875 (22.23)	8-32
22	22	23	1.66 (42.2)	1.90 (48.3)	1.70 (43.2)	.381 (9.68)	.823 (20.90)	1.766 (44.86)	1.000 (25.40)	8-32
24	24	25	1.76 (44.7)	2.00 (50.8)	1.80 (45.7)	.418 (10.62)	.853 (21.66)	1.891 (48.03)	1.125 (28.58)	8-32

NOTES:

1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are to nearest .01 mm for information only.
4. Millimeters are in parentheses.
5. Metric equivalent are based on 25.4 mm = 1 inch.
6. Wire bundle accommodation range dimension is defined as the envelope area of the wire bundle. This dimension is not meant to define the clamp hardware limits.

FIGURE 1 - DIMENSIONS AND CONFIGURATIONS (SELF-LOCKING ONLY) - CONTINUED

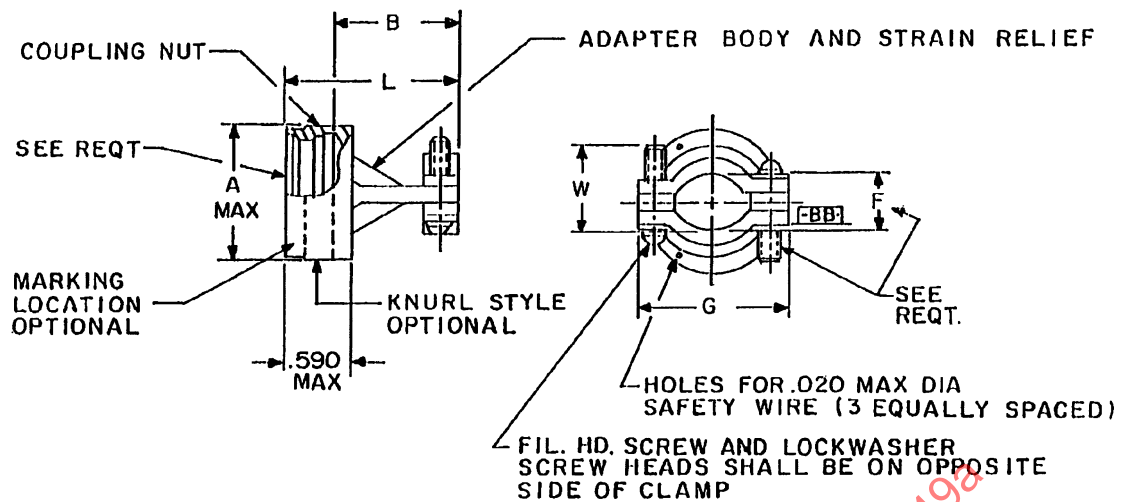


FIGURE 2 - DIMENSIONS AND CONFIGURATIONS (NON-SELF-LOCKING ONLY)

Shell sizes and dimensions

Dash number	Connector shell size		A maximum diameter of coupling ring	B maximum (See note 7)	F Wire bundle accommodation range (See note 6)		G maximum	L maximum	W +.000 -.062 screw length	Screw size
	Series II	Series I			Min	Max				
8	8	9	.75 (19.1)	.91 (23.1)	.093 (2.49)	.234 (5.49)	.85 (21.6)	1.10 (27.9)	.500 (12.70)	6-32
10	10	11	.85 (21.5)	.91 (23.1)	.153 (3.89)	.234 (5.49)	.90 (22.9)	1.10 (27.9)	.500 (12.70)	6-32
12	12	13	1.00 (25.4)	1.01 (25.9)	.190 (4.83)	.328 (8.33)	1.10 (27.9)	1.20 (30.5)	.625 (15.88)	6-32
14	14	15	1.10 (27.9)	1.06 (26.7)	.260 (6.60)	.457 (11.61)	1.15 (29.2)	1.25 (31.8)	.750 (19.05)	6-32
16	16	17	1.25 (31.8)	1.16 (29.5)	.283 (7.19)	.614 (15.60)	1.30 (33.0)	1.356 (34.3)	.750 (19.05)	6-32
18	18	19	1.40 (35.6)	1.41 (35.8)	.325 (8.26)	.634 (16.10)	1.50 (38.1)	1.60 (40.6)	.750 (19.05)	8-32
20	20	21	1.50 (38.1)	1.51 (38.4)	.343 (8.71)	.698 (17.73)	1.60 (40.6)	1.701 (43.2)	.875 (22.23)	8-32
22	22	23	1.65 (41.9)	1.66 (42.2)	.381 (9.68)	.823 (20.90)	1.70 (43.2)	1.85 (47.0)	1.000 (25.40)	8-32
24	24	25	1.75 (44.5)	1.76 (44.7)	.418 (10.62)	.853 (21.67)	1.80 (45.7)	1.951 (49.5)	1.125 (28.58)	8-32

NOTES:

1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are to nearest .01 mm for information only.
4. Millimeters are in parentheses.
5. Metric equivalent are based on 25.4 mm = 1 inch.
6. Wire bundle accommodation range dimension is defined as the envelope area of the wire bundle. This dimension is not meant to define the clamp hardware limits.
7. The "B" dimension is measured from the bottom of the accessory teeth to the end of the clamp.

FIGURE 2 - DIMENSIONS AND CONFIGURATIONS (NON-SELF-LOCKING ONLY) - CONTINUED