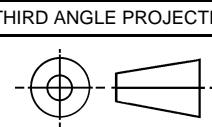


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 THIRD ANGLE PROJECTION		
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PREPARED BY SAE SUBCOMMITTEE AE-8C1



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL,
STRAIN RELIEF, 90°, SELF-LOCKING AND
NONSELF-LOCKING, CATEGORY 4C
(FOR MIL-C-38999 SERIES III AND IV CONNECTORS)

AS85049/39
SHEET 1 OF 8

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

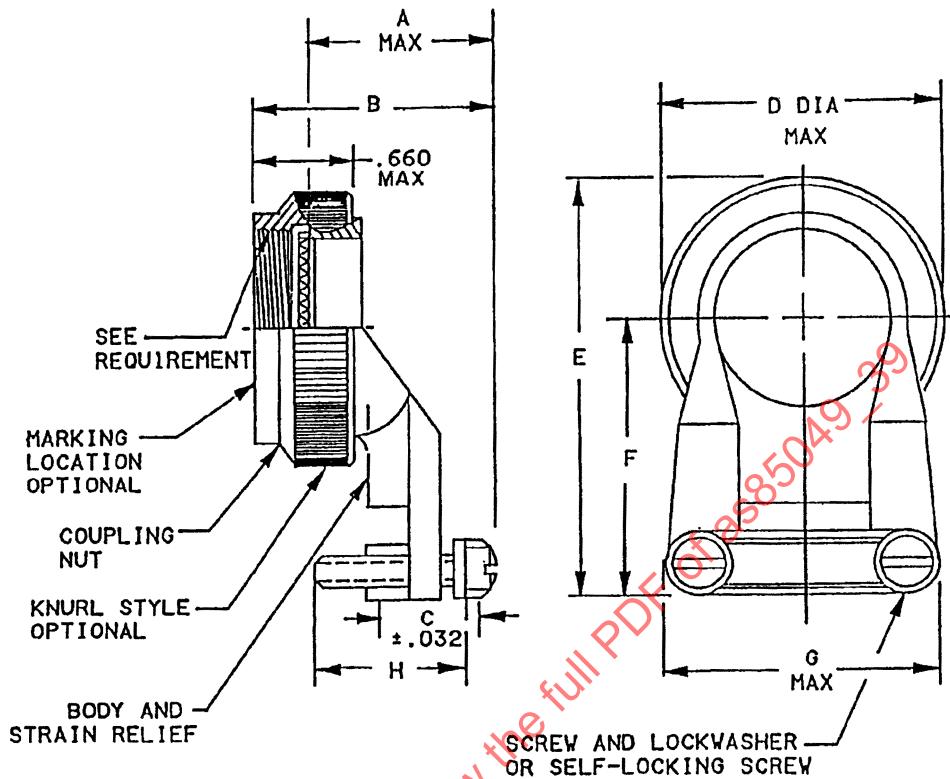


FIGURE 1. DIMENSION AND CONFIGURATION (SELF-LOCKING ONLY).

Shell sizes and dimensions

Connector shell size	Shell size code (REF)	A max length	B max overall length	C wire bundle accommodation range	D max dia		E max size		F max size		G max		H screw length		Screw size
					Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
9	A	1.01 (25.7)	1.20 (30.5)	.098 (2.49)	.234 (5.94)	(21.79)	.858 (35.1)	1.38 (25.4)	1.00 (21.6)	.85 (21.6)	.500 (12.70)	.500 (12.70)	.500 (12.70)	.500 (12.70)	6-32
11	B	1.01 (25.7)	1.20 (30.5)	.153 (3.87)	.234 (5.94)	(24.99)	.984 (38.9)	1.53 (27.9)	1.10 (22.9)	.90 (22.9)	.500 (12.70)	.500 (12.70)	.500 (12.70)	.500 (12.70)	6-32
13	C	1.21 (30.7)	1.40 (35.6)	.190 (4.83)	.268 (8.39)	(29.39)	1.157 (40.6)	1.60 (27.9)	1.10 (27.9)	1.10 (27.9)	.625 (15.68)	.625 (15.68)	.625 (15.68)	.625 (15.68)	6-32
15	D	1.26 (32.0)	1.45 (36.8)	.260 (6.60)	.457 (11.61)	(32.45)	1.275 (45.7)	1.80 (31.6)	1.25 (29.2)	1.15 (29.2)	.750 (19.05)	.750 (19.05)	.750 (19.05)	.750 (19.05)	6-32
17	E	1.41 (35.8)	1.60 (40.6)	.283 (7.19)	.614 (15.60)	(35.71)	1.406 (49.0)	1.93 (33.0)	1.30 (33.0)	1.30 (33.0)	.750 (19.05)	.750 (19.05)	.750 (19.05)	.750 (19.05)	6-32

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

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Shell sizes and dimensions

Connector shell size	Shell size code (REF)	A max	B max	C wire bundle accommodation range	D max dia	E max	F max size	G max	H screw length	Screw size
		Min	Max							
19	F	1.51 (38.4)	1.70 (43.2)	.325 (8.26)	.634 (16.10)	1.516 (38.50)	2.05 (52.1)	1.35 (34.3)	1.50 (38.1)	.750 (19.05)
21	G	1.66 (42.2)	1.85 (47.0)	.343 (8.71)	.698 (17.73)	1.642 (41.70)	2.35 (59.7)	1.60 (40.6)	1.60 (40.6)	.875 (22.23)
23	H	1.76 (44.7)	1.95 (49.5)	.381 (9.68)	.823 (20.90)	1.768 (44.91)	2.58 (65.5)	1.75 (44.5)	1.70 (43.2)	1.000 (25.40)
25	J	1.91 (48.5)	2.10 (53.3)	.418 (10.62)	.853 (21.66)	1.889 (47.98)	2.73 (69.3)	1.85 (49.5)	1.80 (45.7)	1.125 (28.58)

NOTES:

1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are given for general information only.
4. Millimeters are in parentheses.

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

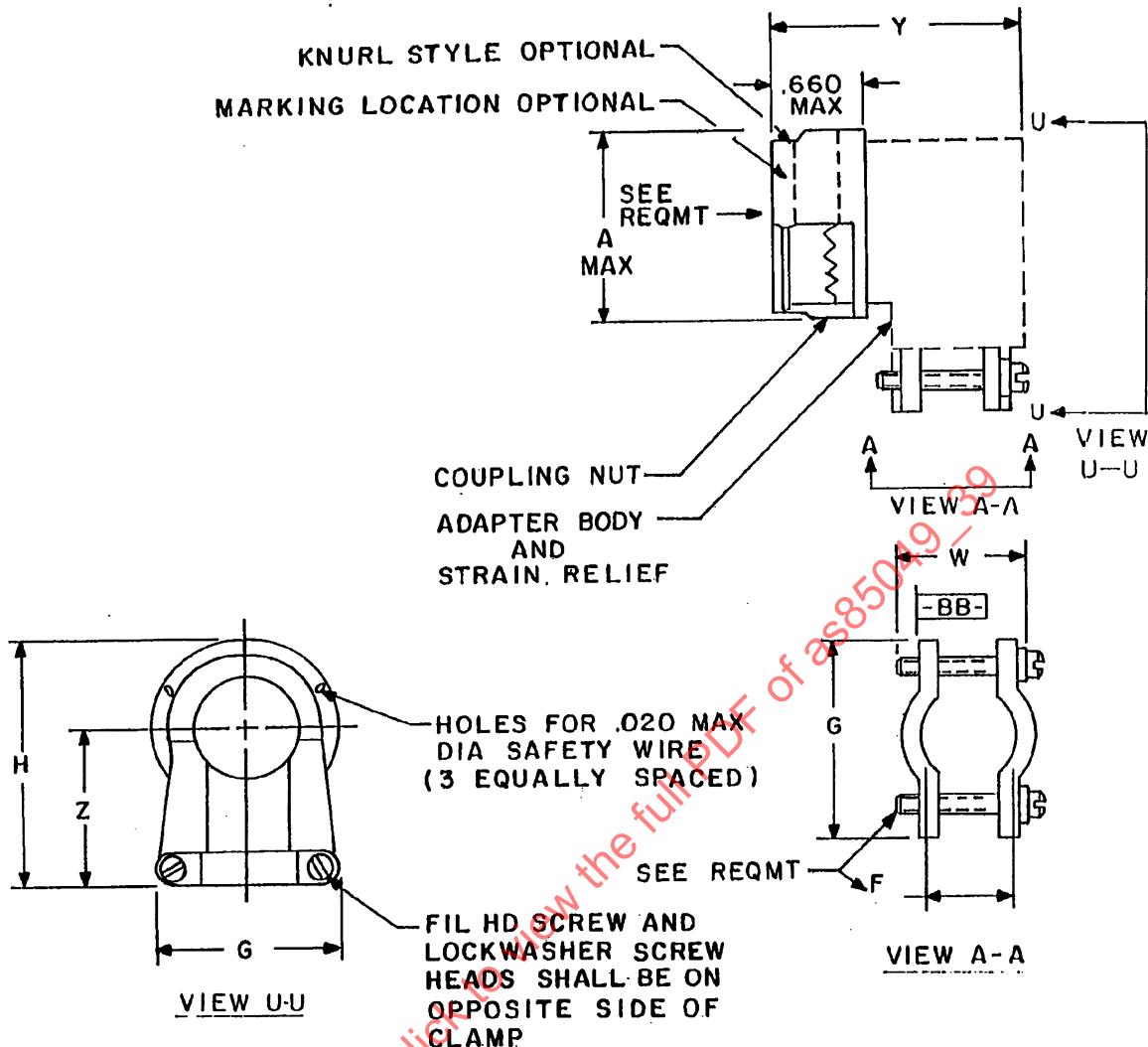


FIGURE 2. DIMENSIONS AND CONFIGURATIONS (NONSELF-LOCKING ONLY).

Shell size	A max dia of coupling ring	F wire bundle accommodation range		G max	Screw size	Y max	Z max	W ±.032 screw length	H max
		Min	Max						
9	.75 (19.1)	.098 (2.49)	.234 (5.94)	.85 (21.6)	6-32	1.20 (30.5)	1.00 (25.4)	.500 (12.70)	1.38 (35.1)
11	.85 (21.6)	.153 (3.87)	.234 (5.94)	.90 (22.9)	6-32	1.20 (30.5)	1.10 (27.9)	.500 (12.70)	1.53 (38.9)
13	1.00 (25.4)	.190 (4.83)	.328 (8.33)	1.10 (27.9)	6-32	1.40 (35.6)	1.10 (27.9)	.625 (15.88)	1.60 (40.6)
15	1.10 (27.9)	.260 (6.60)	.457 (11.61)	1.15 (29.2)	6-32	1.45 (36.8)	1.25 (31.8)	.750 (19.05)	1.80 (45.7)
17	1.25 (31.8)	.283 (7.19)	.614 (15.60)	1.30 (33.0)	6-32	1.60 (40.6)	1.30 (33.02)	.750 (19.05)	1.93 (49.0)
19	1.40 (35.6)	.325 (8.26)	.634 (16.10)	1.50 (38.1)	8-32	1.70 (43.2)	1.35 (34.3)	.750 (19.05)	2.05 (52.1)
21	1.50 (38.1)	.343 (8.71)	.698 (17.73)	1.60 (40.6)	8-32	1.85 (47.0)	1.60 (40.6)	.875 (22.23)	2.35 (59.7)
23	1.65 (41.9)	.381 (9.68)	.823 (20.90)	1.70 (43.2)	8-32	1.95 (49.5)	1.75 (44.5)	1.000 (25.40)	2.58 (65.5)
25	1.75 (44.5)	.418 (10.62)	.853 (21.67)	1.80 (45.7)	8-32	2.10 (53.3)	1.85 (47.0)	1.125 (28.58)	2.73 (69.3)

NOTES:

1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are given for general information only.
4. Millimeters are in parentheses.

FIGURE 2. DIMENSIONS AND CONFIGURATIONS (NONSELF-LOCKING ONLY) - CONTINUED.