

REV.
B

SAE AS85049/92

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED THE CLAMPING HARDWARE TO CAPTIVATED SELF-LOCKING TELESCOPING SCREWS AS A RESULT OF COMMENTS RECEIVED FROM INDUSTRY USERS. ADDED ALTERNATIVE FINISHES TO SUPPORT THE AS85049B-A3 AMENDMENT AND UP-DATED THE DOCUMENT TO COMPLY WITH SAE GUIDELINES.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS85049.

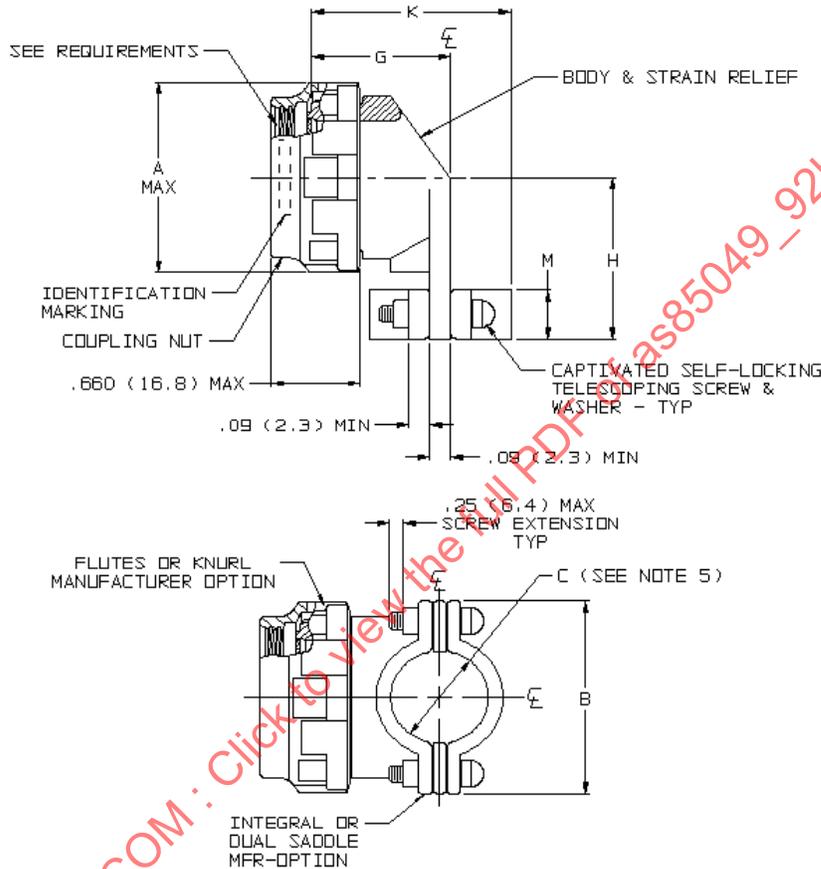
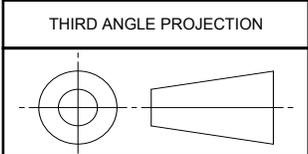


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION:

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

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ISSUED 2000-06 REVISED 2010-09

TABLE 1 - SHELL SIZES AND DIMENSIONS

SHELL SIZE	A MAX DIA	B MAX	C ±.031 DIA SEE NOTE 5	H ±.062	K MAX	M ±.03	SCREW SIZE	G MAX
09	.858 (21.79)	.980 (24.89)	.219 (5.56)	.875 (22.23)	1.06 (26.92)	.375 (9.53)	4-40	.769 (19.53)
11	.984 (24.99)	1.05 (26.67)	.264 (6.71)	.937 (23.80)	1.10 (27.94)	.375 (9.53)	4-40	.792 (20.12)
13	1.157 (29.39)	1.20 (30.48)	.344 (8.74)	1.031 (26.19)	1.18 (29.97)	.406 (10.31)	6-32	.847 (21.51)
15	1.280 (32.51)	1.30 (33.02)	.460 (11.68)	1.125 (28.58)	1.30 (33.02)	.406 (10.31)	6-32	.890 (22.61)
17	1.406 (35.71)	1.42 (36.07)	.545 (13.84)	1.312 (33.32)	1.38 (35.05)	.406 (10.31)	6-32	.941 (23.90)
19	1.516 (38.51)	1.52 (38.61)	.615 (15.62)	1.375 (34.93)	1.45 (36.83)	.406 (10.31)	6-32	.972 (24.69)
21	1.642 (41.51)	1.64 (41.66)	.698 (17.73)	1.500 (38.10)	1.54 (39.12)	.406 (10.31)	6-32	1.009 (25.63)
23	1.768 (44.91)	1.77 (44.96)	.780 (19.81)	1.625 (41.28)	1.62 (41.15)	.406 (10.31)	6-32	1.050 (26.67)
25	1.890 (48.01)	1.89 (48.01)	.850 (21.59)	1.750 (44.45)	1.69 (42.93)	.406 (10.31)	6-32	1.085 (44.45)

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.
3. MILLIMETERS ARE IN PARENTHESES.
4. DIMENSIONS APPLY AFTER PLATING.
5. CABLE ENTRY IS MEASURED WITH SADDLE BARS CLOSED AND BOTTOMED ON CLAMP EARS.
6. PART SUPPLIED WITH DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING, OPTION 'N' IS A FREE SPINNING SELF-LOCKING COUPLING.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.

INTERFACE DIMENSIONS: IN ACCORDANCE WITH AS85049, FIGURE 3.

ACCESSORY: CONSIST OF A COUPLING NUT, CLAMP STRAIN RELIEF, AND SADDLE BAR. THE COUPLING NUT SHALL BE CAPTIVATED TO THE CLAMP AND IS FREE TO ROTATE. ACCESSORIES WILL NOT ACCOMMODATE CONNECTORS USING SIZE 8, 4, OR 0 CONTACTS.

CLAMP SHALL HAVE NO PROTRUSIONS OR SHARP EDGES WHICH MAY PINCH CABLE OR WIRES.

MATERIAL AND FINISH: IN ACCORDANCE WITH AS85049 WITH TABLE 1 HEREIN.

CAPTIVATED SELF-LOCKING TELESCOPING SCREWS AND WASHERS: 300 SERIES CORROSION-RESISTANT STEEL / PASSIVATED, SILVER PLATE OPTIONAL.

 An SAE International Group	AEROSPACE STANDARD	SAE AS85049/92 SHEET 2 OF 3	REV. B
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