

REV. A

AS85049/15

FEDERAL SUPPLY CLASS
5935

THE REQUIREMENTS FOR ACQUIRING THE ACCESSORIES DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

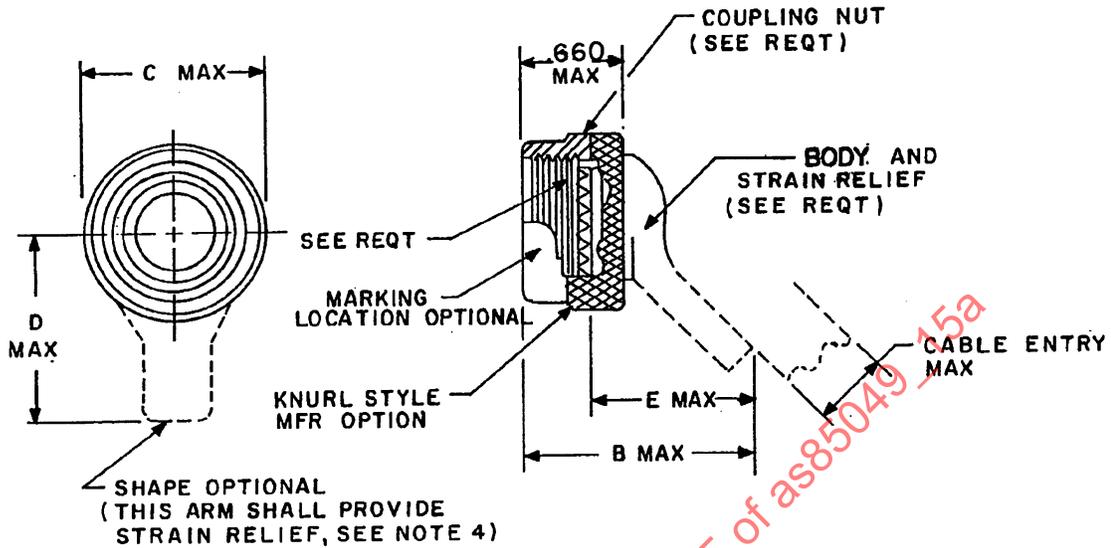


FIGURE 1 - DIMENSIONS AND CONFIGURATIONS
NON-SELF-LOCKING AND SELF-LOCKING

SAENORM.COM : Click to view the full PDF of as85049-15a

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/15A>

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1



AEROSPACE STANDARD
(R)CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, 45°, NON-SELF-LOCKING AND SELF-LOCKING, CATEGORY 4C (FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)

AS85049/15
SHEET 1 OF 4

REV. A

ISSUED 2000-04 REVISED 2003-06 REAFFIRMED 2009-06

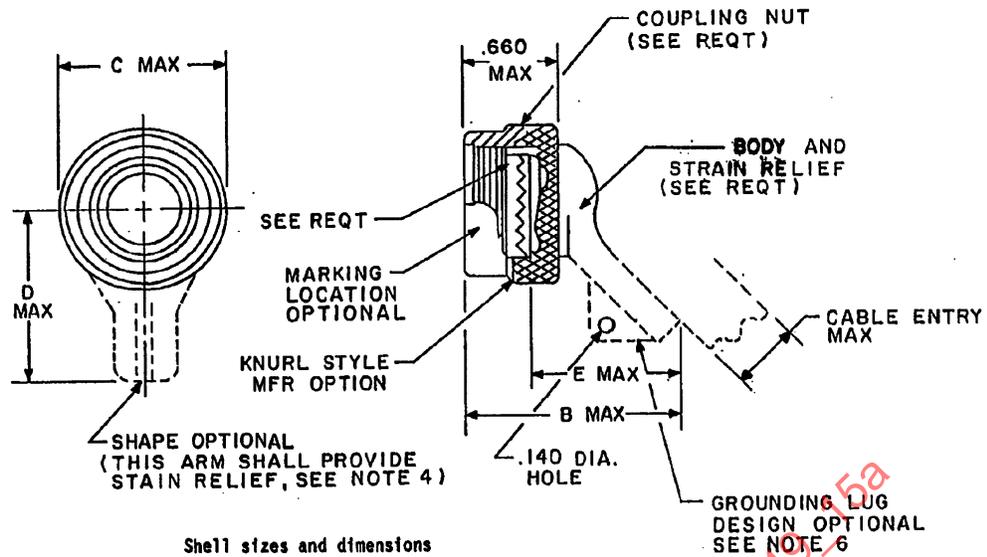
Shell sizes and dimensions

Connector shell size	Shell size code (ref)	B max	C dia max	D max	E max	Cable entry max
9	A	1.43 (36.3)	.858 (21.79)	.88 (22.4)	1.03 (26.2)	.264 (6.71)
11	B	1.43 (36.3)	.984 (24.99)	.88 (22.4)	1.03 (26.2)	.392 (9.96)
13	C	1.43 (36.3)	1.157 (29.39)	.94 (23.9)	1.03 (26.2)	.506 (12.85)
15	D	1.93 (49.0)	1.279 (32.49)	1.25 (31.8)	1.09 (27.7)	.631 (16.03)
17	E	1.93 (49.0)	1.406 (35.71)	1.31 (33.3)	1.11 (28.2)	.756 (19.20)
19	F	2.03 (51.6)	1.516 (38.51)	1.38 (35.1)	1.21 (30.7)	.845 (21.46)
21	G	2.09 (53.1)	1.642 (41.71)	1.50 (38.1)	1.26 (32.0)	.970 (24.64)
23	H	2.09 (53.1)	1.768 (44.91)	1.69 (42.9)	1.30 (33.0)	1.095 (27.81)
25	J	2.24 (56.9)	1.889 (47.98)	1.75 (44.5)	1.34 (34.0)	1.220 (30.99)

NOTES:

1. Dimensions are in inches.
2. Tolerances shall be: .xx = ± 0.03 and .xxx = ± 0.015 angular tolerances $x = \pm 2$.
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 AA-52080-AA-52084 lacing tape or equivalent, not supplied with the backshell.
5. This accessory will not accommodate connectors using 8, 4 and 0 contacts.
6. Not for Navy use. Not for new design for Air Force.

FIGURE 1 - DIMENSIONS AND CONFIGURATIONS
NON-SELF-LOCKING AND SELF-LOCKING - CONTINUED



Shell sizes and dimensions

Connector shell size	Shell size code (ref)	B max	C dia max	D max	E max	Cable entry max
9	A	1.43 (36.3)	.858 (21.79)	.88 (22.4)	1.21 (30.7)	.264 (6.71)
11	B	1.43 (36.3)	.984 (24.99)	.88 (22.4)	1.21 (30.7)	.392 (9.96)
13	C	1.43 (36.3)	1.157 (29.39)	.94 (23.9)	1.39 (35.3)	.506 (12.85)
15	D	1.93 (49.0)	1.279 (32.49)	1.25 (31.8)	1.39 (35.3)	.631 (16.03)
17	E	1.93 (49.0)	1.406 (35.71)	1.31 (33.3)	1.39 (35.3)	.756 (19.20)
19	F	2.03 (51.6)	1.516 (38.51)	1.38 (35.1)	1.39 (35.3)	.845 (21.46)
21	G	2.09 (53.1)	1.642 (41.71)	1.50 (38.1)	1.39 (35.3)	.970 (24.64)
23	H	2.09 (53.1)	1.768 (44.91)	1.69 (42.9)	1.39 (35.3)	1.095 (27.81)
25	J	2.24 (56.9)	1.889 (47.98)	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 AA-52080-AA-52084 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 (WITH GROUNDING LUG)
NON-SELF-LOCKING AND SELF-LOCKING