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THIRD ANGLE PROJECTION



ISSUED 2000-04

PREPARED BY SAE SUBCOMMITTEE AE-8C1

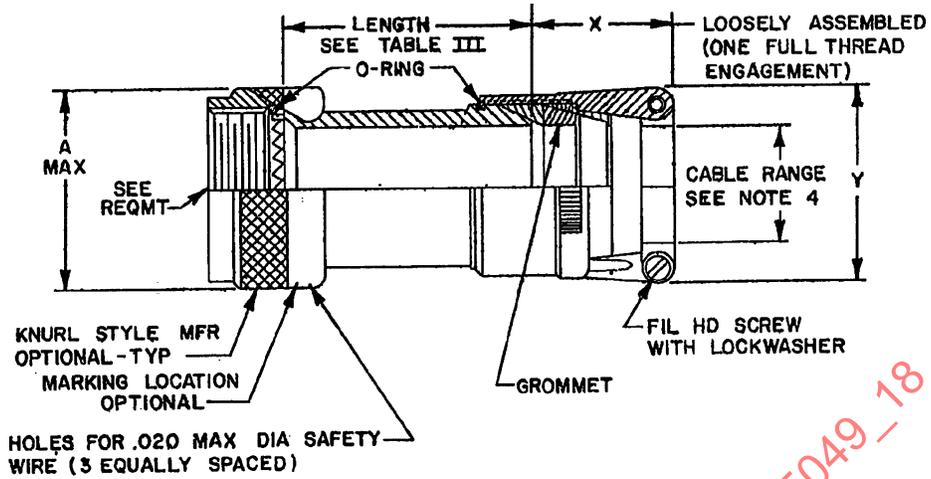


AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, RF/EMI, CATEGORY 2B (FOR MIL-C-38999 SERIES III AND IV CONNECTORS)

AS85049/18
SHEET 1 OF 5

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



NOTE:

1. See table I for minimum and maximum clamp size available with each shell size. See table II for cable range for each clamp size.

FIGURE 1. CONFIGURATION AND DIMENSIONS.

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TABLE I. CONNECTOR SHELF SIZE AND CLAMP SIZE.

| Shell size | Min clamp size | Max clamp size | A Max Dia of coupling ring |
|------------|----------------|----------------|----------------------------|
| 9 | 01 | 02 | .75 (19.1) |
| 11 | 01 | 03 | .85 (21.6) |
| 13 | 02 | 04 | 1.00 (25.4) |
| 15 | 02 | 05 | 1.15 (29.2) |
| 17 | 02 | 06 | 1.25 (31.8) |
| 19 | 03 | 07 | 1.40 (35.6) |
| 21 | 03 | 08 | 1.55 (39.4) |
| 23 | 03 | 09 | 1.65 (41.9) |
| 25 | 04 | 10 | 1.85 (47.0) |

FIGURE 1. CONFIGURATION AND DIMENSIONS - CONTINUED.

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TABLE II. CLAMP SIZE AND DIMENSIONS.

| Clamp size | Cable range | | Y Dim Max | X Max |
|------------|------------------|------------------|----------------|------------------|
| | Min | Max | | |
| 01 | .062 (1.57) | .125 (3.18) | .80 (20.3) | 1.250 (31.75) |
| 02 | .125 (3.18) | .250 (6.35) | 1.00 (25.4) | 1.250 (31.75) |
| 03 | .250 (6.35) | .375 (9.53) | 1.10 (27.9) | 1.250 (31.75) |
| 04 | .375 (9.53) | .500 (12.70) | 1.20 (30.5) | 1.250 (31.75) |
| 05 | .500 (12.70) | .625 (15.88) | 1.25 (31.8) | 1.350 (34.29) |
| 06 | .625 (15.88) | .750 (19.05) | 1.40 (35.6) | 1.375 (34.93) |
| 07 | .750 (19.05) | .875 (22.23) | 1.50 (38.1) | 1.500 (38.10) |
| 08 | .875 (22.23) | 1.000 (25.40) | 1.65 (41.9) | 1.625 (41.28) |
| 09 | 1.000 (25.40) | 1.125 (28.58) | 1.75 (44.5) | 1.625 (41.28) |
| 10 | 1.125 (28.58) | 1.250 (31.75) | 1.90 (48.3) | 1.625 (41.28) |

TABLE III. LENGTH.

| Shell size | Code | Length in inches $\pm .032$ (.81) |
|------------|----------|-----------------------------------|
| 9 thru 25 | Standard | 1.50 (38.1) |
| 9 thru 25 | A | 2.50 (63.5) |
| 15 thru 25 | B | 3.50 (88.9) |
| 21 thru 25 | C | 4.50 (114.3) |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Metric equivalents are in parentheses.

FIGURE 1. CONFIGURATION AND DIMENSIONS - CONTINUED.