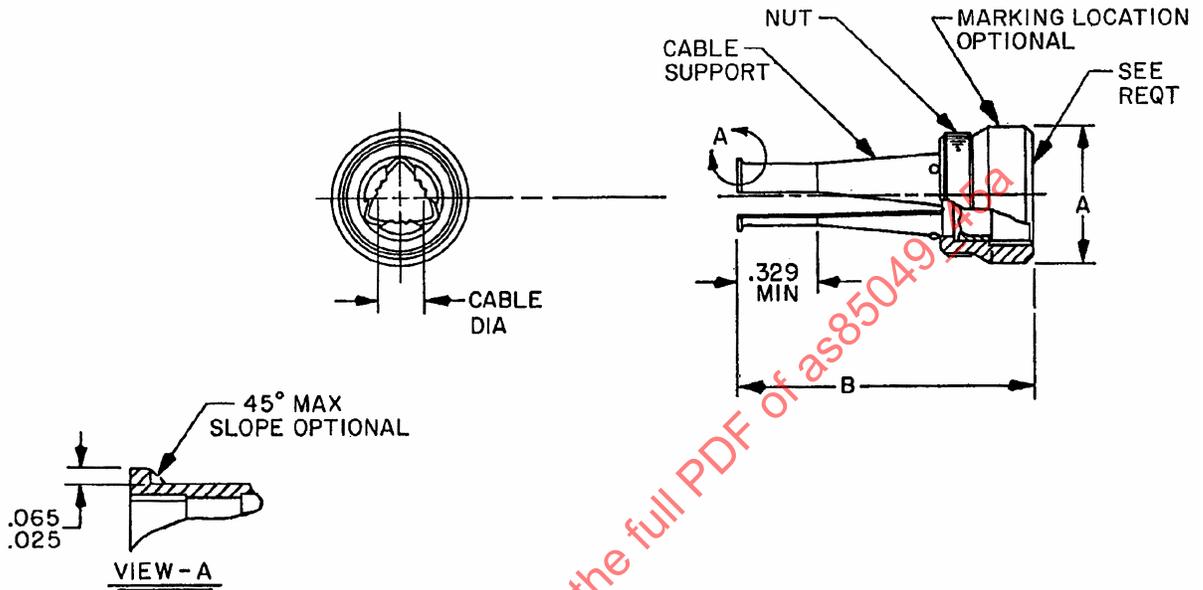


REV.  
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AS85049/45

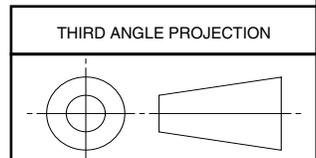
FEDERAL SUPPLY CLASS  
5935

INACTIVE FOR AIR FORCE AND NAVY NEW DESIGN EQUIPMENT OR MODIFICATION OF EXISTING EQUIPMENT.  
THE COMPLETE REQUIREMENTS FOR ACQUIRING THE ACCESSORIES DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS85049.



| DASH NUMBER | SHELL SIZE |          | A MAX | B MAX | CABLE DIAMETER |      |
|-------------|------------|----------|-------|-------|----------------|------|
|             | SERIES II  | SERIES I |       |       | MIN            | MAX  |
| 8           | 8          | 9        | .578  | 1.344 | .094           | .203 |
| 10          | 10         | 11       | .703  | 1.344 | .141           | .250 |
| 12          | 12         | 13       | .828  | 1.344 | .172           | .323 |
| 14          | 14         | 15       | .953  | 1.344 | .203           | .422 |
| 16          | 16         | 17       | 1.078 | 1.344 | .234           | .500 |
| 18          | 18         | 19       | 1.203 | 1.344 | .265           | .562 |
| 20          | 20         | 21       | 1.328 | 1.422 | .297           | .625 |
| 22          | 22         | 23       | 1.453 | 1.422 | .328           | .703 |
| 24          | 24         | 25       | 1.578 | 1.422 | .359           | .765 |

FIGURE 1 - CONFIGURATIONS AND DIMENSIONS



CUSTODIAN: SAE AE-8/AE-8C1

**SAE Aerospace**  
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**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, STRAIGHT, NONMETALLIC, CATEGORY 4C (FOR MIL-C-27599 SERIES I AND MIL-DTL-38999 SERIES I AND II CONNECTORS)

**AS85049/45**  
SHEET 1 OF 4

**REV. A**

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ISSUED 2000-05 REVISED 2004-06

| INCH | mm   | INCH | mm    | INCH | mm    | INCH  | mm    |
|------|------|------|-------|------|-------|-------|-------|
| .015 | .38  | .250 | 6.35  | .500 | 12.70 | 1.000 | 25.40 |
| .035 | .89  | .265 | 6.73  | .562 | 14.27 | 1.078 | 27.38 |
| .065 | 1.65 | .297 | 7.54  | .578 | 14.68 | 1.203 | 30.56 |
| .094 | 2.39 | .323 | 8.20  | .625 | 15.88 | 1.328 | 33.73 |
| .141 | 3.58 | .328 | 8.33  | .688 | 17.48 | 1.344 | 34.14 |
| .172 | 4.37 | .329 | 8.36  | .703 | 17.86 | 1.392 | 35.36 |
| .200 | 5.08 | .344 | 8.74  | .765 | 19.43 | 1.422 | 36.12 |
| .203 | 5.16 | .359 | 9.12  | .828 | 21.03 | 1.453 | 36.91 |
| .234 | 5.91 | .422 | 10.72 | .953 | 24.21 | 1.578 | 40.08 |

## NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING

FIGURE 1 - CONFIGURATIONS AND DIMENSIONS (CONTINUED)

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REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.

INTERFACE DIMENSIONS SHALL CONFORM TO AS85049 FIGURE 2.

MATERIAL:

NUT: ALUMINUM ALLOY IN ACCORDANCE WITH AS85049.

CABLE SUPPORT: NONMETALLIC.

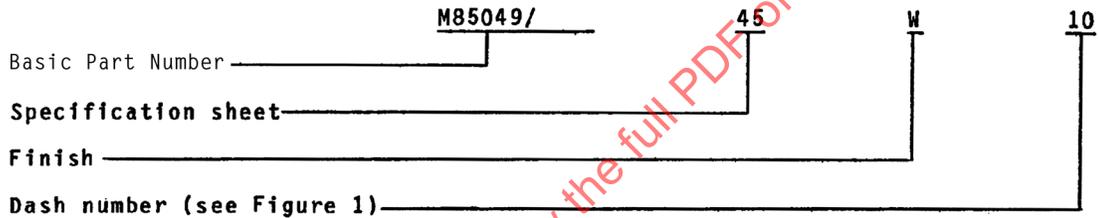
FINISH; NUT: A, W.

TEMPERATURE RATING:

- a. -65 TO +250 °F CONTINUOUS.
- b. +345 °F FOR 10 MINUTE INTERVALS.
- c. +420 °F FOR 1 MINUTE INTERVALS.
- d. ESTIMATE CUMULATIVE LIFE, 24 HOURS AT 345 °F AND 7 HOURS AT 420 °F.

POSITION OF SLOTS RELATIVE TO OPPOSITE OPENING IS OPTIONAL.

PART NUMBER: SEE EXAMPLE BELOW:



QUALIFICATION:

SEE AS85049, CATEGORY 4C.

BENDING MOMENT NOT APPLICABLE.

QUALIFICATION IS REQUIRED FOR U.S. GOVERNMENT PROCUREMENT. THE QPL EVALUATING ACTIVITY, FOR U.S. DEPARTMENT OF DEFENSE PROCUREMENT PURPOSES, NAVAL AIR SYSTEMS COMMAND (CODE 4.4.4.3), 22229 ELMER ROAD, BUILDING 2360, PATUXENT RIVER, MD 20670.

SUPERSESSION DATA:

