

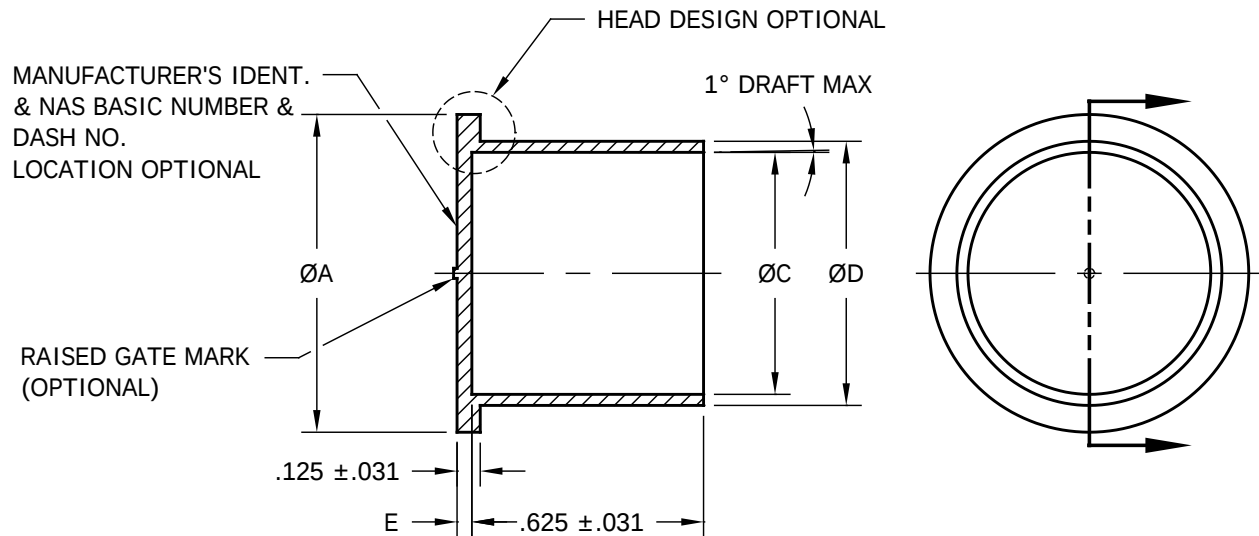


TABLE I – DASH NO AND DIMENSIONS

| DASH NO | ØA<br>±.031 | ØC<br>±.020 | ØD<br>±.010 | E<br>±.020 |
|---------|-------------|-------------|-------------|------------|
| 8       | .670        | .413        | .483        | .040       |
| 10      | .750        | .530        | .595        | .040       |
| 12      | .860        | .655        | .715        | .040       |
| 14      | 1.031       | .785        | .845        | .045       |
| 16      | 1.125       | .893        | .963        | .045       |
| 18      | 1.250       | 1.028       | 1.088       | .045       |
| 20      | 1.406       | 1.150       | 1.215       | .050       |
| 22      | 1.500       | 1.270       | 1.340       | .050       |
| 24      | 1.640       | 1.390       | 1.460       | .050       |
| 25      | 1.810       | 1.500       | 1.580       | .050       |
| 28      | 1.875       | 1.648       | 1.718       | .055       |
| 32      | 2.125       | 1.890       | 1.970       | .055       |
| 36      | 2.340       | 2.140       | 2.210       | .055       |
| 40      | 2.600       | 2.380       | 2.450       | .060       |
| 44      | 2.875       | 2.630       | 2.700       | .060       |
| 48      | 3.125       | 2.880       | 2.950       | .060       |

① COMPLETELY REVISED

|            |                                            |                                                        |                                 |
|------------|--------------------------------------------|--------------------------------------------------------|---------------------------------|
| FORM 09-01 | THIRD ANGLE PROJECTION                     | CUSTODIAN<br>NATIONAL AEROSPACE STANDARDS COMMITTEE    | REVISION<br><b>1</b>            |
|            | PROCUREMENT SPECIFICATION<br><b>NAS847</b> | TITLE<br><b>PLUG, PROTECTIVE, ELECTRICAL CONNECTOR</b> | CLASSIFICATION<br>PART STANDARD |
|            |                                            | ①                                                      | <b>NAS837</b><br>SHEET 1 OF 2   |

**MATERIAL:**

POLYETHYLENE PER L-P-390 TYPE I, CLASS L, GRADE 1; OR PER ASTM D4976, GROUP 1, CLASS 1;  
OR PER ASTM D1248, TYPE I  
ELECTROSTATIC PROTECTIVE (STATIC DISSIPATIVE) ETHYLENE VINYL ACETATE OR POLYETHYLENE  
CONFORMING TO MIL-PRF-81705, TYPE II THE REQUIREMENTS OF NOTE /3/  
CONDUCTIVE MATERIAL CONFORMING TO MIL-PRF-81705, TYPE I  
CONDUCTIVE NON-SLOUGHING MATERIAL CONFORMING TO MIL-PRF-81705, TYPE I. /6/

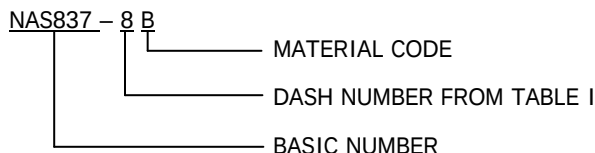
**COLOR:**

POLYETHYLENE – YELLOW  
ELECTROSTATIC FREE – PINK  
CONDUCTIVE – BLACK  
CONDUCTIVE NON-SLOUGHING – GREEN

**CODE:**

NO LETTER AFTER DASH NUMBER FOR POLYETHYLENE  
ADD "B" AFTER DASH NUMBER FOR ELECTROSTATIC FREE MATERIAL  
ADD "C" AFTER DASH NUMBER FOR CONDUCTIVE MATERIAL  
ADD "G" AFTER DASH NUMBER FOR CONDUCTIVE NON-SLOUGHING MATERIAL /6/

**EXAMPLE OF PART NUMBER:**

NAS837 – 8 B  


NAS837-8 = CAP, PROTECTIVE, POLYETHYLENE, YELLOW, .483 OD  
 NAS837-8B = CAP, PROTECTIVE, ELECTROSTATIC FREE MATERIAL, PINK, .483 OD  
 NAS837-8C = CAP, PROTECTIVE, CONDUCTIVE MATERIAL, BLACK, .483 OD  
 NAS837-8G = CAP, PROTECTIVE, CONDUCTIVE MATERIAL, GREEN, .483 OD

**NOTES:**

- (1) DIMENSIONS IN INCHES.
- (2) CAPS SHALL BE FREE FROM WARPAGE, CRACKS, CHIPPED EDGES, BLISTERS, AND BURRS.
- /3/ THE DECAY TIME FOR STATIC DISSIPATIVE MATERIAL TO DISSIPATE TO 1% OF 5000 V SHALL BE 2.00 SECONDS MAXIMUM WHEN TESTED PER MIL-STD-3010, TEST METHOD 4046. SURFACE RESISTIVITY SHALL BE AT LEAST  $1 \times 10^5$  OHMS/SQ AND LESS THAN  $1 \times 10^{12}$  OHMS/SQ WHEN TESTED PER ASTM D257.
- (4) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS  $\pm .010$
- (5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- /6/ RESISTANCE TO SLOUGHING/CRAYONING – WHEN RUBBED BRISKLY AGAINST A HARD, FLAT LAMINATED SURFACE, THE CAPS SHALL EXHIBIT NO TENDENCY TO SLOUGH OR MARK THE SURFACE IN A MANNER SIMILAR TO A CRAYON.
- (7) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (8) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

① COMPLETELY REVISED

|          |
|----------|
| REVISION |
| 1        |
| NAS837   |
| SHEET 2  |



Documents  
SHEET 2

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