

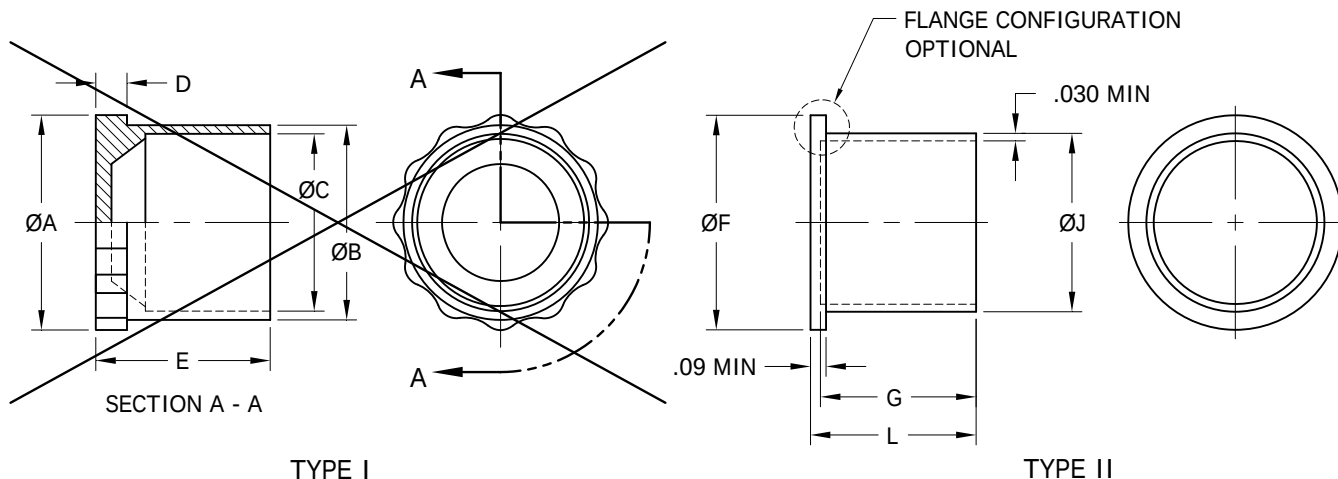


TABLE I – DIMENSIONS

| DASH NUMBER | ØA  | ØB    | ØC    | D     | E    | ØF<br>MIN | G<br>±.010 | ØJ   |       | L<br>APPROX | TYPE II USED<br>WITH MS3106<br>OR MS3108<br>CONNECTOR |
|-------------|-----|-------|-------|-------|------|-----------|------------|------|-------|-------------|-------------------------------------------------------|
|             |     |       |       |       |      |           |            |      | TOL   |             |                                                       |
| 4           | 8A  | .530  | .500  | .430  | .125 | .625      | .606       | .625 | .486  | .66         | -8s                                                   |
| 5           | 10A | .605  | .570  | .500  | .125 | .610      | .727       | .625 | .607  | .66         | -10S & -10SL                                          |
| 6           | 12A | .660  | .630  | .550  | .125 | .610      | .844       | .625 | .724  | .66         | -12 & -12S                                            |
| 8           | 14A | .862  | .800  | .725  | .125 | .700      | .970       | .625 | .850  | .66         | -14 & -14S                                            |
| 10          | 16A | .980  | .925  | .850  | .125 | .775      | 1.097      | .625 | .977  | .66         | -16 & -16s                                            |
| 12          | 18A | 1.175 | 1.100 | 1.030 | .125 | .812      | 1.218      | .625 | 1.098 | .66         | -18                                                   |
| 16          | 20A | 1.425 | 1.375 | 1.300 | .125 | .780      | 1.343      | .625 | 1.223 | .66         | -20                                                   |
| 20          | 22A | 1.787 | 1.687 | 1.587 | .125 | 1.100     | 1.469      | .625 | 1.349 | .66         | -22                                                   |
| 24          | 24A | 2.045 | 1.940 | 1.850 | .125 | 1.100     | 1.594      | .625 | 1.474 | .66         | -24                                                   |
|             | 28A |       |       |       |      |           | 1.846      | .625 | 1.726 | ±.012       | -28                                                   |
|             | 32A |       |       |       |      |           | 2.097      | .625 | 1.977 | ±.013       | -32                                                   |
|             | 36A |       |       |       |      |           | 2.337      | .625 | 2.217 | ±.014       | -36                                                   |

**INACTIVE FOR DESIGN AFTER 21 DECEMBER 2012. SEE NAS837.  
FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.**

③ COMPLETELY REVISED

|                                          |                                                                |                                 |
|------------------------------------------|----------------------------------------------------------------|---------------------------------|
| THIRD<br>ANGLE<br>PROJECTION             | CUSTODIAN<br><br>NATIONAL AEROSPACE STANDARDS COMMITTEE        | REVISION<br><br><b>3</b>        |
|                                          |                                                                |                                 |
| PROCUREMENT<br>SPECIFICATION<br><br>NONE | TITLE<br><br><b>PLUG, PROTECTIVE,<br/>ELECTRICAL CONNECTOR</b> | CLASSIFICATION<br>PART STANDARD |
|                                          |                                                                | <b>DASH 820</b><br>SHEET 1 OF 3 |



**Documents**  
SHEET 1 OF 3

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MATERIAL:

VIRGIN 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.

COLOR:

OPTIONAL, UNLESS A COLOR IS SPECIFIED ON THE PURCHASE ORDER.

CODE:

PART NUMBER CONSISTS OF THE BASIC NUMBER PLUS A DASH NUMBER FROM TABLE I.  
NO SUFFIX ON DASH NUMBER INDICATES A TYPE I PLUG. (INACTIVE)  
SUFFIX "A" ON DASH NUMBER INDICATES A TYPE II PLUG.

EXAMPLE OF PART NUMBER:

NAS820-18A

BASIC NUMBER

DASH NUMBER FROM TABLE I

~~NAS820-18~~ = TYPE I PLUG.

NAS820-18A = TYPE II PLUG FOR MS3106-18 ELECTRICAL CONNECTOR.

NOTES:

- (1) INTENDED USE: PLUG FOR ELECTRICAL CONNECTORS TABULATED IN TABLE I.
- /2/ DASH NUMBERS LINED OUT ARE INACTIVE AFTER 1/15/61. NO SUPERSEDING STANDARD.
- (3) PERMANENTLY MARK WITH MANUFACTURER'S NAME OR TRADEMARK AND NAS PART NUMBER, LOCATION OPTIONAL.
- (4) TOLERANCES UNLESS OTHERWISE SPECIFIED: XX ±.03; XXX ±.010.
- (5) GENERAL REQUIREMENTS FOR CLOSURES DESCRIBED HEREIN:
  - a) THE PLUG SHALL BE CAPABLE OF PERFORMING ITS INTENDED FUNCTION WITHOUT LOOSENING OR FALLING OFF WHEN SUBJECTED TO NORMAL HANDLING AND VIBRATION EXPERIENCED IN THE TRANSPORTATION OF PARTS IN WHICH IT MAY BE INSTALLED.
  - b) THE CAP OR PLUG MUST BE EASILY INSTALLED AND REMOVED AND CAPABLE OF WITHSTANDING REPEATED REMOVAL AND REPLACEMENT.
  - c) THE MATERIAL SHALL NOT SHRED OR CHIP UNDER NORMAL USE.
  - d) THE PLUG SHALL BE CAPABLE OF WITHSTANDING A POSITIVE PRESSURE OF 2 PSI WITHOUT BLOWING OFF AND A NEGATIVE PRESSURE OF 2 PSI WITHOUT COLLAPSING.
  - e) CLOSURES SHALL BE FREE FROM WARPAGE, CRACKS, CHIPPED EDGES, BLISTERS, BURRS AND FLASH.

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FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.**

REVISION

**3**

**NAS820**  
SHEET 2



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