



This military standard is approved by the Department of Defense and is mandatory for use by all Departments & Agencies of the Department of Defense. Its location for all new engineering and design applications and for repetitive use shall be made from this document.

P.A. NAVY-AS  
Other Cust  
ARMY-EL  
Procurement Specification  
MIL-C-81703

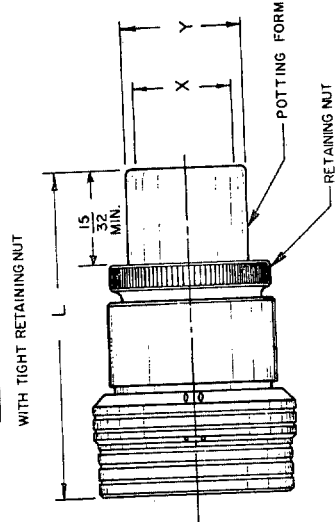
International interest

TITLE  
CONNECTOR, PLUG, ELECTRIC, SOLDER TYPE,  
PUSH-PULL COUPLING  
SERIES I (CLASS E P AND J)  
SUPERSEDES:

MILITARY STANDARD  
**MS3137**  
SHEET 2

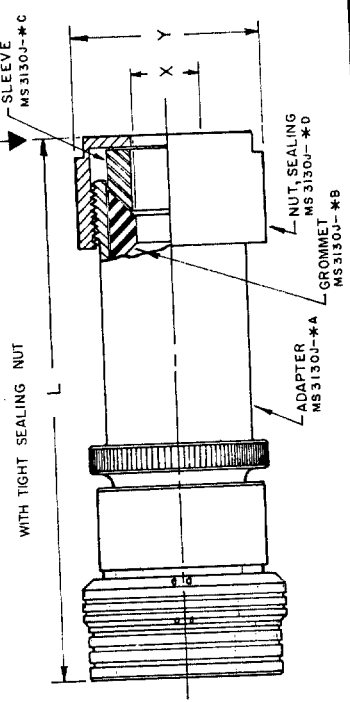
CLASS P

POTTED SEAL



CLASS J

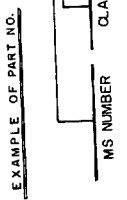
JACKETED CABLE GLAND SEAL



| SHELL SIZE DASH NO. | L LENGTH MAX | X DIA. MIN I.D. POTTING FORM | Y DIA. MAX O.D. POTTING FORM | L LENGTH MAX | Y MAX. DIA. NUT | CABLE SEALING |             | ADAPTER     | GROMMET     | SLEEVE      | NUT SEALING |
|---------------------|--------------|------------------------------|------------------------------|--------------|-----------------|---------------|-------------|-------------|-------------|-------------|-------------|
|                     |              |                              |                              |              |                 | MIN.          | MAX.        |             |             |             |             |
| -3                  | 1.734        | .178                         | .210                         | .645         | MS3130J-3A      | MS3130J-3B    | MS3130J-3C  | MS3130J-3C  | MS3130J-3D  | MS3130J-3C  | MS3130J-3D  |
| -7                  | 2.719        | .381                         | .413                         | .926         | MS3130J-7A      | MS3130J-7B    | MS3130J-7C  | MS3130J-7D  | MS3130J-7E  | MS3130J-7C  | MS3130J-7D  |
| -12                 | 3.188        | .412                         | .444                         | .988         | MS3130J-12A     | MS3130J-12B   | MS3130J-12C | MS3130J-12D | MS3130J-12E | MS3130J-12C | MS3130J-12D |
| -19                 | 3.219        | .522                         | .554                         | 1.113        | MS3130J-19A     | MS3130J-19B   | MS3130J-19C | MS3130J-19D | MS3130J-19E | MS3130J-19C | MS3130J-19D |
| -27                 | 3.219        | .600                         | .632                         | 1.113        | MS3130J-27A     | MS3130J-27B   | MS3130J-27C | MS3130J-27D | MS3130J-27E | MS3130J-27C | MS3130J-27D |
| -37                 | 3.250        | .662                         | .694                         | 1.176        | MS3130J-37A     | MS3130J-37B   | MS3130J-37C | MS3130J-37D | MS3130J-37E | MS3130J-37C | MS3130J-37D |

DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.  
TOLERANCE: DECIMALS ±.016, ANGULAR TOLERANCE 1/2°

NOTES:  
1 FOR CLASS J ADAPTER, SEALING NUT, SLEEVE AND GROMMET SEE MS3130 SHEET 3.



FED. SUP CLASS  
**5935**

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

| SHELL SIZE | MAX. WEIGHTS                  |            |
|------------|-------------------------------|------------|
|            | IN DIRECTION OF APPLIED FORCE | INDICATED. |
| -3         | 2.0                           | 2.7        |
| -7         | 4.0                           | 5.5        |
| -12        | 8.0                           | 12.0       |
| -19        | 12.0                          | 12.0       |
| -27        | 12.0                          | 12.0       |
| -37        | 12.0                          | 12.0       |

APPROVED 14 MAY 59 REVISED FOR CHANGES SEE SHEETS 1 & 2.