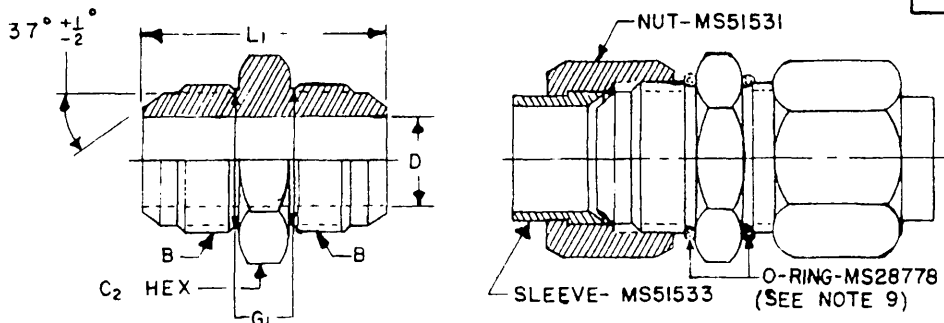


FED. SUP. CLASS
4730R&A: PWR-CS-EL-ME
USER: AT-MC-YD

| DASH NUMBER | | TUBE OUTSIDE DIAMETER | B STRAIGHT THREAD | C ₂ HEX FLAT NOM | D DIAMETER | | G ₁ | L ₁ |
|-------------|-------|-----------------------|-------------------|-----------------------------|------------|---------------|----------------|----------------|
| BODY | *ASSY | | | | BASIC | TOLERANCE | | |
| B2 | A2 | 1/8 | 5/16-24 UNF-2A | 9/16 | .062 | | .250 | 1.170 |
| B3 | A3 | 3/16 | 3/8-24 UNF-2A | 5/8 | .125 | | .313 | 1.230 |
| B4 | A4 | 1/4 | 7/16-20 UNF-2A | 11/16 | .172 | ±.003 | .364 | 1.370 |
| B5 | A5 | 5/16 | 1/2-20 UNF-2A | 3/4 | .234 | | .427 | 1.370 |
| B6 | A6 | 3/8 | 9/16-18 UNF-2A | 13/16 | .297 | ±.004 | .482 | 1.410 |
| B8 | A8 | 1/2 | 3/4-16 UNF-2A | 1 | .391 | | .660 | 1.620 |
| B10 | A10 | 5/8 | 7/8-14 UNF-2A | 1-1/8 | .484 | | .773 | 1.880 |
| B12 | A12 | 3/4 | 1-1/16-12 UN-2A | 1-3/8 | .609 | ±.005 | .945 | 2.160 |
| B14 | A14 | 7/8 | 1-3/16-12 UN-2A | 1-1/2 | .718 | | 1.070 | 2.210 |
| B16 | A16 | 1 | 1-5/16-12 UN-2A | 1-5/8 | .844 | + .007 - .005 | 1.195 | 2.250 |
| B20 | A20 | 1-1/4 | 1-5/8-12 UN-2A | 1-7/8 | 1.078 | + .008 - .005 | 1.507 | 2.430 |
| B24 | A24 | 1-1/2 | 1-7/8-12 UN-2A | 2-1/8 | 1.312 | | 1.756 | 2.750 |
| B32 | B32 | 2 | 2-1/2-12 UN-2A | 2-3/4 | 1.781 | + .010 - .005 | 2.381 | 3.400 |

NOTES:

- MATERIAL:** Steel, carbon in accordance with procurement specification.
Steel, corrosion-resisting in accordance with procurement specification.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
Zinc plated in accordance with procurement specification.
Phosphate coating in accordance with procurement specification.
Passivation treatment in accordance with procurement specification.
- DIMENSIONS AND TOLERANCES:** Dimensions and tolerances not shown shall be in accordance with the SAE Standard for 37 Degree Flared Fittings (SAE J514).
- THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H28.
- PART NUMBER:** The MS part number consists of the MS number plus the dash number.
 - For body only, cadmium plated, use the MS number, plus the body dash number. Example: MS51519B2.
 - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number plus the assembly dash number. Example: MS51519A2.
 - For zinc coating add (Z) to the dash number. Example: MS51519B2Z or MS51519A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51519B2P or MS51519A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51519B2S or MS51519A2S.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Reference documents shall be of the issue in effect on date of invitations for bid.
- The illustration is for identification purpose only and is not intended to restrict designs and shapes not dimensioned.
- Procure the O-Rings separately and install immediately before installation of fittings.
- After 17 January 1979 bodies will be used for production only and **SHALL NOT** be stocked for maintenance. Existing stock of bodies should be used until depleted.

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

APPROVED 20 DEC 1971
REVISED 17 JANUARY 1979

| | | |
|--|---|-------------------------------------|
| P. A. AR Other Cust. OS | TITLE NIPPLE, TUBE, LARGE HEX FOR USE WITH O-RING, 37° FLARED | MILITARY STANDARD MS51519 |
| PROCUREMENT SPECIFICATION MIL-F-18866 | SUPERSEDES: | SHEET 1 OF 1 |