

MILITARY SPECIFICATION SHEET

FITTINGS, HYDRAULIC TUBE, FLARED 37 DEGREE AND FLARELESS, STEEL;  
 CAP, TUBE, 37 DEGREE FLARED

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation: MIL-F-18866.

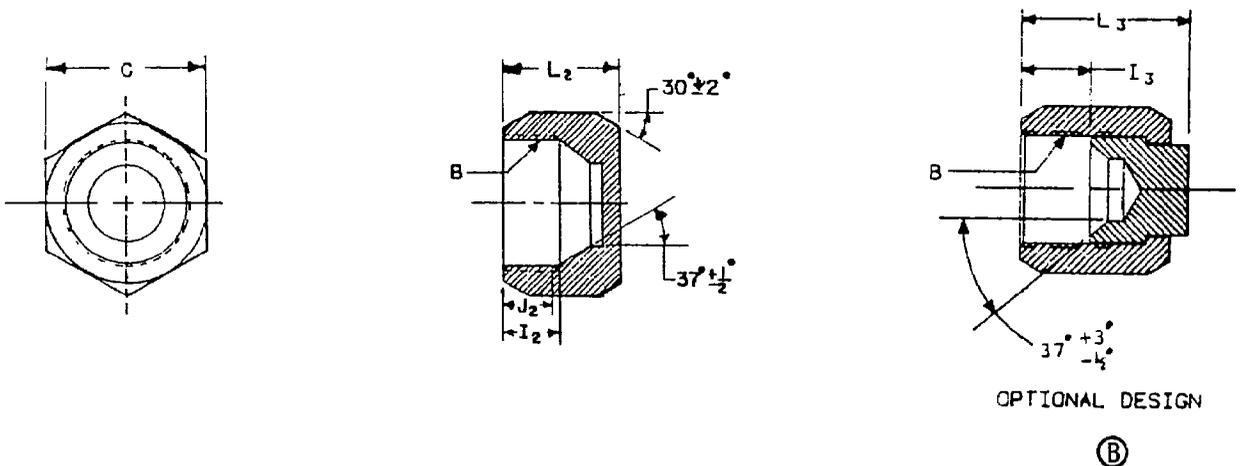


FIGURE 1. Cap, Tube, Flared.

ⓑ Denotes change

## MS51532B

TABLE I. Dimensional data.

I	TUBE O.D. NOM	B STRAIGHT THREAD	C HEX FLAT NOM	I <sub>2</sub> +/- .005	J <sub>2</sub> FULL THREAD MIN	L <sub>2</sub> +/- .010	(B)	(B)
							I <sub>3</sub> +/- .025	L <sub>3</sub> +/- .040
B2	1/8	.3125-24 UNF-2B	3/8	.234	.167	.500	.226	.601
B3	3/16	.3750-24 UNF-2B	7/16	.266	.198	.562	.287	.662
B4	1/4	.4375-20 UNF-2B	9/16	.328	.245	.594	.229	.673
B5	5/16	.5000-20 UNF-2B	5/8	.344	.26	.609	.360	.766
B6	3/8	.5625-18 UNF-2B	11/16	.344	.261	.625	.337	.806
B8	1/2	.7500-16 UNF-2B	7/8	.375	.276	.750	.410	.942
B10	5/8	.8750-14 UNF-2B	1	.469	.354	.844	.536	1.067
B12	3/4	1.0625-12 UN-2B	1-1/4	.500	.370	.906	.587	1.243
B14	7/8	1.1875-12 UN-2B	1-3/8	.531	.401	.969	.633	1.258
B16	1	1.3125-12 UN-2B	1-1/2	.563	.433	1.016	.665	1.290
B20	1-1/4	1.6250-12 UN-2B	2	.563	.433	1.062	.642	1.392
B24	1-1/2	1.8750-12 UN-2B	2-1/4	.656	.526	1.188	.764	1.701
B32	2	2.5000-12 UN-2B	2-7/8	.828	.698	1.438	.884	2.071

## REQUIREMENTS:

1. MATERIAL: Steel, carbon in accordance with procurement specification.  
Steel, corrosion-resisting in accordance with procurement specification.
2. PROTECTIVE COATING: Cadmium plated in accordance with procurement specification. Zinc plated in accordance with procurement specification. Phosphate coated in accordance with procurement specification. Passivation treatment in accordance with procurement specification.
- (B) 3. THREADS: Threads shall be in accordance with Screw-Thread Standards for Federal Services, FED-STD-H28.
4. DIMENSIONS AND TOLERANCES: Dimensions and tolerances not shown shall be in accordance with the SAE Standard for 37 Degree Flared Fittings (SAE J514).
5. PART NUMBER: The MS part number consists of the MS number plus the dash number.
  - a. For cadmium plating use the MS number plus the dash number.  
Example: MS51532B2.

- b. For zinc plating add (Z) to the dash number. Example: MS51532B2Z.
  - c. For phosphate coating add (P) to the dash number. Example: MS515532B2P.
  - d. For corrosion-resisting steel add (S) to the dash number. Example: MS515532B2S.
6. The illustration is for identification purposes only and is not intended to restrict designs or shapes not dimensioned.
7. In the event of a conflict between the text of this Military Specification Sheet and the reference cited herein, the text of this Military Specification Sheet shall take precedence.
8. Referenced Government (or non-Government) documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this Military Specification Sheet to the extent specified herein.

CUSTODIAN:

- ⓑ AIR FORCE - 99
- NAVY - OS

PREPARING ACTIVITY:

ARMY - AR

REVIEW ACTIVITIES:

- ⓑ AIR FORCE - 82
- ARMY - ER, ME
- DLA-CS

AGENT:

DLA-CS

USER ACTIVITIES:

- ARMY - AT
- NAVY - MC, YD

(PROJECT 4730-0915)