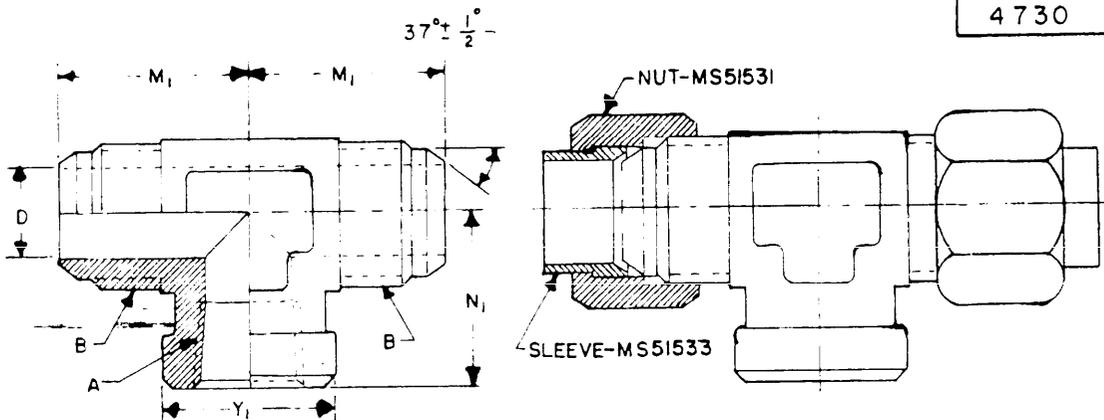


FED. SUP CLASS  
4730



REF ID: A66547

DASH NUMBER		TUBE OD NOM	A PIPE THREAD NPTF	B STRAIGHT THREAD	D DIAMETER		M <sub>1</sub> ±.030	N <sub>1</sub> ±.030	Y <sub>1</sub> ±.020
BODY	ASSY				BASIC	TOLERANCE			
B2	A2	1/8	1/8	5/16-24 UNF-2A	.062	±.003	1.000	.660	.562
B3	A3	3/16	1/8	3/8-24 UNF-2A	.125		1.030	.660	.562
B4	A4	1/4	1/8	7/16-20 UNF-2A	.172		1.080	.660	.562
B5	A5	5/16	1/8	1/2-20 UNF-2A	.234		1.080	.660	.562
B6	A6	3/8	1/4	9/16-18 UNF-2A	.297		1.230	.880	.750
B8	A8	1/2	3/8	3/4-16 UNF-2A	.391	±.004	1.420	1.020	.875
B10	A10	5/8	1/2	7/8-14 UNF-2A	.464		1.640	1.230	1.062
B12	A12	3/4	3/4	1-1/16-12 UN-2A	.609	±.005	1.890	1.360	1.312
B14	A14	7/8	3/4	1-3/16-12 UN-2A	.715		1.860	1.420	1.312
B16	A16	1	1	1-5/8-12 UN-2A	.844	+.007-.005	2.170	1.620	1.625
B20	A20	1-1/4	1-1/4	1-5/8-12 UN-2A	1.078		2.330	1.700	1.875
B24	A24	1-1/2	1-1/2	1-7/8-12 UN-2A	1.312	+.008-.005	2.890	2.080	2.562
B32	A32	2	2	2-1/2-12 UN-2A	1.781		+ .010-.005	3.300	2.390

- 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: MS51513B2.
    - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number, plus the assembly dash number. Example: MS51513A2.
    - For zinc coating add (Z) to the dash number. Example: MS51513B2Z or MS51513A2Z.
    - For phosphate coating add (P) to the dash number. Example: MS51513B2P or MS51513A2P.
    - For corrosion-resisting steel add (S) to the dash number. Example: MS51513B2S or MS51513A2S.
  - 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 shades not dimensioned.
  - 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 TEE, PIPE TO TUBE, FEMALE PIPE ON BRANCH, 37° FLARED	MILITARY STANDARD
		MS51513
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1