



REVISION: CS-EL-ME
1. MK: AT-MC-YD

DASH NUMBER		TUBE OD	A	B	D		D ₁	M	N
BODY	ASSY	NOM	PIPE THREAD NPTF	STRAIGHT THREAD	DIAMETER		DIA DRILL	±.030	±.030
					BASIC	TOLERANCE			
B2	A2	1/8	1/8	5/16-24 UNF-2A	.062		.188	.770	.720
B3	A3	3/16	1/8	3/8-24 UNF-2A	.125		.188	.630	.720
B4	A4	1/4	1/8	7/16-20 UNF-2A	.172	±.003	.168	.890	.780
B5	A5	5/16	1/8	1/2-20 UNF-2A	.234		.188	.950	.780
B6	A6	3/8	1/4	9/16-18 UNF-2A	.297		.251	1.060	1.690
B8	A8	1/2	3/8	3/4-16 UNF-2A	.391	±.004	.406	1.250	1.220
B10	A10	5/8	1/2	7/8-14 UNF-2A	.484		.531	1.450	1.470
B12	A12	3/4	3/4	1-1/16-12 UN-2A	.609		.719	1.660	1.590
B14	A14	7/8	3/4	1-3/16-12 UN-2A	.718	±.005	.719	1.730	1.690
B16	A16	1	1	1-5/16-12 UN-2A	.844	+ .007 - .005	.938	1.810	1.970
B20	A20	1-1/4	1-1/4	1-5/8-12 UN-2A	1.078		1.250	2.060	2.380
B24	A24	1-1/2	1-1/2	1-7/8-12 UN-2A	1.312	+ .008 - .005	1.500	2.330	2.640
B32	A32	2	2	2-1/2-12 UN-2A	1.761	+ .010 - .005	1.938	3.060	3.000

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 Standards 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: MS51511B2.
 - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number plus the assembly dash number. Example: MS51511A2.
 - For zinc coating add (Z) to the dash number. Example: MS51511B2Z or MS51511A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51511B2P or MS51511A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51511B2S or MS51511A2S.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- The illustration is for identification and is not intended to restrict designs or shapes 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 Cont OS	TITLE TEE, PIPE TO TUBE, MALE PIPE ON RUN, 37° FLARED	MILITARY STANDARD
		MS51511
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1