



DASH NUMBER		TUBE OD	B STRAIGHT THREAD		D DIAMETER		M
BODY	ASSY	NOM			BASIC	TOLERANCE	±.030
B2	A2	1/8	5/16-24 UNF-2A		.062		.770
B3	A3	3/16	3/8-24 UNF-2A		.125		.830
B4	A4	1/4	7/16-20 UNF-2A		.172	±.003	.890
B5	A5	5/16	1/2-20 UNF-2A		.234		.950
B6	A6	3/8	9/16-18 UNF-2A		.297		1.060
B8	A8	1/2	3/4-16 UNF-2A		.391	±.004	1.250
B10	A10	5/8	7/8-14 UNF-2A		.484		1.450
B12	A12	3/4	1-1/16-12 UN-2A		.609		1.660
B14	A14	7/8	1-3/16-12 UN-2A		.718	±.005	1.730
B16	A16	1	1-5/16-12 UN-2A		.844	+0.007-.005	1.810
B20	A20	1-1/4	1-5/8-12 UN-2A		1.078		2.060
B24	A24	1-1/2	1-7/8-12 UN-2A		1.312	+0.008-.005	2.330
B32	A32	2	2-1/2-12 UN-2A		1.781	+0.010-.003	3.060

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: MS51517B2.
 - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number, plus the assembly dash number. Example: MS51517A2.
 - For zinc coating add (Z) to the dash number. Example: MS51517B2Z or MS51517A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51517B2P or MS51517A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51517B2S or MS51517A2S.
- 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 and is not intended to restrict designs of 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.

REVISION: CS-EL-ME
SER: AT-MC-YD

APPROVED 20 DEC 1971 REVISED 17 JANUARY 1979

P.A. AR	TITLE	MILITARY STANDARD
Other Cont OS	GROSS, TUBE, 37° FLARED	MS51517
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1