


 NEA ITEM: CS-EL-ME
 USER: AT-PC-YD

DASH NUMBER		TUBE OD	A	B	D		D _J	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	±.003	.188	.770	.720
B3	A3	3/16	1/8	3/8-24 UNF-2A	.125		.188	.830	.720
B4	A4	1/4	1/8	7/16-20 UNF-2A	.172		.188	.890	.780
*B4-4	*A4-4	1/4	1/4	7/16-20 UNF-2A	.172		.281	1.050	1.090
B5	A5	5/16	1/8	1/2-20 UNF-2A	.234	±.004	.188	.950	.780
*B5-4	*A5-4	5/16	1/4	1/2-20 UNF-2A	.234		.281	1.050	1.090
*B6-2	*A6-2	3/8	1/8	9/16-18 UNF-2A	.297		.188	1.060	.900
B6	A6	3/8	1/4	9/16-18 UNF-2A	.297		.281	1.060	1.090
*B6-6	*A6-6	3/8	3/8	9/16-18 UNF-2A	.297	±.005	.406	1.140	1.220
*B6-8	*A6-8	3/8	1/2	9/16-18 UNF-2A	.297		.531	1.220	1.470
*B8-4	*A8-4	1/2	1/4	3/4-16 UNF-2A	.391		.281	1.250	1.220
B8	A8	1/2	3/8	3/4-16 UNF-2A	.391		.406	1.250	1.220
*B8-8	*A8-8	1/2	1/2	3/4-16 UNF-2A	.391	+.007-.005	.531	1.330	1.470
*B8-12	*A8-12	1/2	3/4	3/4-16 UNF-2A	.391		.719	1.420	1.590
*B10-6	*A10-6	5/8	3/8	7/8-14 UNF-2A	.484		.406	1.450	1.280
B10	A10	5/8	1/2	7/8-14 UNF-2A	.484		.531	1.450	1.470
*B12-8	*A12-8	3/4	1/2	1-1/16-12 UN-2A	.609	+.008-.005	.531	1.660	1.590
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		.719	1.730	1.690
*B16-12	*A16-12	1	3/4	1-5/16-12 UN-2A	.844		.719	1.810	1.780
B16	A16	1	1	1-5/16-12 UN-2A	.844	+.010-.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		1.500	2.330	2.640
B32	A32	2	2	2-1/2-12 UN-2A	1.781		1.938	3.060	3.000

* NOT RECOMMENDED FOR NEW DESIGN.

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: MS51504B2.
 - For complete assembly (with nut and sleeve), cadmium plated, use the MS number, plus the assembly dash number. Example: MS51504A2.
 - For zinc coating add (Z) to the dash number. Example: MS51504B2Z or MS51504A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51504B2P or MS51504A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51504B2S or MS51504A2S.
- 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.
- 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.

P.A. AR Other Cust OS	TITLE ELBOW, PIPE TO TUBE, 90°, MALE PIPE END, 37° FLARED	MILITARY STANDARD MS51504
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1

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 1975