



REVISIONS: CS-EL-ME  
 1 SER: AT-MC-YD

DASH NUMBER		TUBE OD	B STRAIGHT THREAD	C HEX FLAT	D DIAMETER		M	M <sub>1</sub>
BODY	ASSY	NOM	CLASS A OR B	MAX	BASIC	TOLERANCE	±.030	±.060
B2	A2	1/8	5/16-24 UNF-2	7/16	.062		.770	.970
B3	A3	3/16	3/8-24 UNF-2	1/2	.125	±.003	.830	1.000
B4	A4	1/4	7/16-20 UNF-2	9/16	.172		.890	1.000
B5	A5	5/16	1/2-20 UNF-2	5/8	.234		.950	1.060
B6	A6	3/8	9/16-18 UNF-2	11/16	.297		1.060	1.250
B8	A8	1/2	3/4-16 UNF-2	7/8	.391	±.004	1.250	1.380
B10	A10	5/8	7/8-14 UNF-2	1	.484		1.450	1.620
B12	A12	3/4	1-1/16-12 UN-2	1-1/4	.609		1.660	1.750
B14	A14	7/8	1-3/16-12 UN-2	1-3/8	.718	±.005	1.730	1.780
B16	A16	1	1-5/16-12 UN-2	1-1/2	.844	+0.007-.005	1.810	2.000
B20	A20	1-1/4	1-5/8-12 UN-2	2	1.078		2.060	2.310
B24	A24	1-1/2	1-7/8-12 UN-2	2-1/4	1.312	+0.008-.005	2.330	2.590
B32	A32	2	2-1/2-12 UN-2	2-7/8	1.781	+0.010-.005	3.060	3.380

**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 dash number. Example: MS51521B2.
  - For complete assembly (with nut and sleeve), cadmium plated, use the MS number, plus the assembly dash number. Example: MS51521A2.
  - For Zinc coating add (Z) to the dash number. Example: MS51521B2Z or MS51521A2Z.
  - For phosphate coating add (P) to the dash number. Example: MS51521B2P or MS51521A2P.
  - For corrosion-resisting steel add (S) to the dash number. Example: MS51521B2S or MS51521A2S.
- For design feature purpose, 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 depicted.

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 ELBOW, TUBE, 90° SWIVEL, 37° FLARED	MILITARY STANDARD <b>MS51521</b>
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES	SHEET 1 OF 1

