



REVIEWER:CS-EL-NE
USER:AT-MC-YD

DASH NUMBER		TUBE OD	B	C ₁	D		G ₁	I ₁	I ₂	L ₁
BODY	*ASSY.	NOM	STRAIGHT THREAD	HEX FLAT NOM	DIAMETER		+.002 -.003	±.005	±.020	±.020
					BASIC	TOLERANCE				
B2	A2	1/8	5/16-24 UNF-2A	7/16	.062	±.003	.250	.297	1.170	1.790
B3	A3	3/16	3/8 -24 UNF-2A	1/2	.125		.313	.297	1.250	1.870
B4	A4	1/4	7/16-20 UNF-2A	9/16	.172		.364	.360	1.390	2.080
B5	A5	5/16	1/2 -20 UNF-2A	5/8	.234	±.004	.427	.360	1.450	2.140
B6	A6	3/8	9/16-18 UNF-2A	11/16	.297		.482	.391	1.560	2.310
B8	A8	1/2	3/4 -16 UNF-2A	7/8	.391		.660	.438	1.880	2.700
B10	A10	5/8	7/8 -14 UNF-2A	1	.484	±.005	.773	.500	2.090	3.040
B12	A12	3/4	1-1/16-12 UN-2A	1-1/4	.609		.945	.594	2.500	3.610
B14	A14	7/8	1-3/16-12 UN-2A	1-3/8	.718		1.070	.594	2.690	3.800
B16	A16	1	1-5/16-12 UN-2A	1-1/2	.844	+.007-.005	1.195	.594	2.840	3.980
B20	A20	1-1/4	1-5/8 -12 UN-2A	1-7/8	1.078		1.507	.594	3.470	4.690
B24	A24	1-1/2	1-7/8 -12 UN-2A	2-1/8	1.312	+.008-.005	1.756	.594	3.880	5.170
B32	A32	2	2-1/2 -12 UN-2A	2-3/4	1.781		2.381	.594	4.840	6.290

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 TOLERANCE:** Dimensions and tolerance 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: MS51526B2.
 - For complete assembly (with nut and sleeve), cadmium plated, use the MS number, plus the assembly dash number. Example: MS51526A2.
 - For zinc coating add (Z) to the dash number. Example: MS51526B2Z or MS51526A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51526B2P or MS51526A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51526B2S or MS51526A2S.
- 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.
- Procure the O-Ring separately and install immediately before installation of the fitting.
- 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 05	TITLE ADAPTER, STRAIGHT, TUBE TO BOSS, O-RING, 37° FLARED (LONG)	MILITARY STANDARD MS51526
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1