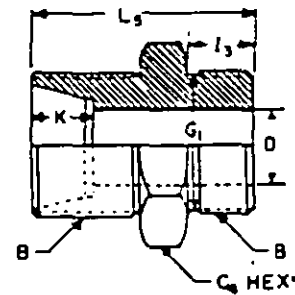


FED. SUP CLASS
4730User Activities:
Army - AT, AV, EL, AR
Navy - OS, NCReview Activities:
Army - GL, HE
Air Force - BZ
DLA - CSNUT-MS51823
SLEEVE-MS51825
O-RING-MS28778
(SEE NOTE 9)

DASH NUMBER		TUBE	B	C4	D	G1	L3	K	L5
		O.D.	STRAIGHT THREAD	HEX FLAT	DIA	DIA			
ASSY	*BODY	NOM	CLASS 2A	NOM	DRILL	+0.002 -0.003	+0.005	+0.015 -0.005	+0.02
1	21	1/8	5/16-24UNF	7/16	0.093	0.250	.297	.188	0.99
2	22	1/16	7/8-24UNF	1/2	0.125	0.313	.297	.234	1.04
3	23	1/4	7/16-20UNF	9/16	0.203	0.364	.360	.234	1.13
4	24	5/16	1/2-20UNF	5/8	0.234	0.427	.360	.250	1.13
5	25	3/8	9/16-18UNF	11/16	0.281	0.482	.391	.250	1.21
6	26	1/2	3/4-16UNF	7/8	0.422	0.664	.438	.305	1.35
7	27	5/8	7/8-14UNF	1	0.500	0.773	.500	.350	1.51
8	28	3/4	1-1/16-12UN	1-1/4	0.656	0.945	.594	.350	1.78
9	29	7/8	1-3/16-12UN	1-3/8	0.718	1.070	.594	.350	1.78
10	30	1	1-5/16-12UN	1-1/2	0.875	1.195	.594	.415	1.85
11	31	1-1/4	1-5/8-12UN	1-7/8	1.093	1.507	.594	.415	1.90
12	32	1-1/2	1-7/8-12UN	2-1/8	1.344	1.756	.594	.485	2.07
13	33	2	2-1/2-12UN	2-3/4	1.813	2.381	.594	.485	2.13

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 SAE Standard for Flareless Tube Fittings (SAE J514).
- THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, FED-STD-H28.

- PART NUMBER:** The MS part number consists of the MS number, plus the dash number and (for complete assembly) the applicable MS51825 sleeve style designator.
 - For complete assembly (with nut and sleeve), cadmium plated, use the MS number, plus the assembly dash number and the sleeve style designator. Example: MS51843-1A or MS51843-1B.
 - For body only, cadmium plated, use the MS number and the body dash number. Example: MS51843-21.
 - For zinc coating add "Z" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51843-1ZA or MS51843-1ZB or MS51843-21Z.
 - For phosphate coating add "P" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51843-1PA or MS51843-1PB or MS51843-21P.
 - For corrosion-resisting steel add "SS" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51843-1SSA or MS51843-1SSB or MS51843-21SS.
- 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 or shapes not dimensioned.
- Procure the O-Ring separately and install immediately before installation of the fitting.
- After 9 July 1973, bodies will be used for production only and **SHALL NOT** be stocked for maintenance. Existing stock of bodies should be used until depleted.

(D)

(D) Denotes Change

P.A. AR Cable Comp 99	TITLE ADAPTER, STRAIGHT, TUBE TO BOSS, O-RING, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD MS51843
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

APPROVED BY THE JCS AND CHIEF OF STAFF
4730-700-1APPROVED 29 DEC 1967
REVISED 17 APR 1970 9 JUL 1973 22 NOV 1974 30 JUL 1987

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