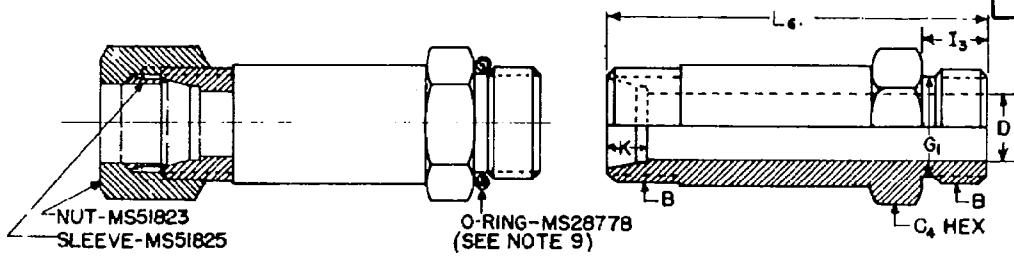
FED. SUP. CLASS
4730



DASH NUMBER ASSY	DASH NUMBER *BODY	TUBE O.D. NOM	B STRAIGHT THREAD CLASS 2A	C4 HEX FLAT NOM	D DIAMETER DRILL	G1 DIAMETER +0.002 -0.003	I3 ±0.005	K +0.015 -0.005	L6 ±0.02
1	21	1/8	5/16-24UNF	7/16	0.093	0.250	0.297	0.188	1.70
2	22	3/16	3/8 -24UNF	1/2	0.125	0.313	0.297	0.234	1.81
3	23	1/4	7/16-20UNF	9/16	0.203	0.364	0.360	0.234	2.02
4	24	5/16	1/2 -20UNF	5/8	0.234	0.427	0.360	0.250	2.08
5	25	3/8	9/16-18UNF	11/16	0.281	0.482	0.391	0.250	2.23
6	26	1/2	3/4 -16UNF	7/8	0.422	0.660	0.438	0.305	2.62
7	27	5/8	7/8 -14UNF	1	0.500	0.773	0.500	0.350	2.98
8	28	3/4	1-1/16-12UN	1-1/4	0.656	0.945	0.594	0.350	3.53
9	29	7/8	1-3/16-12UN	1-3/8	0.718	1.070	0.594	0.350	3.72
10	30	1	1-5/16-12UN	1-1/2	0.875	1.195	0.594	0.415	3.91
11	31	1-1/4	1-5/8 -12UN	1-7/8	1.093	1.507	0.594	0.415	4.61
12	32	1-1/2	1-7/8 -12UN	2-1/8	1.344	1.756	0.594	0.465	5.10
13	33	2	2-1/2 -12UN	2-3/4	1.813	2.381	0.594	0.465	6.23

NOTES:

1. MATERIAL: Steel, carbon in accordance with procurement specification.
   Steel, corrosion-resisting in accordance with procurement specification.
2. 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.
3. DIMENSIONS AND TOLERANCES: Dimensions and tolerances not shown shall be in accordance with SAE Standard for Flareless Tube Fittings (SAE J514).
4. (A) THREADS: Threads shall be in accordance with Screw-Thread Standards for Federal Services, FED-STD-H28.
5. (A) 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.
   A. For complete assembly (with nut and sleeve), cadmium plated, use the MS number, plus the assembly dash number and the sleeve style designator. Example: MS51893-1A or MS51893-1B.
   B. For body only, cadmium plated, use the MS number and the body dash number. Example: MS51893-21.
   C. For zinc coating add "Z" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51893-1ZA or MS51893-1ZB or MS51893-21Z.
   D. For phosphate coating add "P" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51893-1PA or MS51893-1PB or MS51893-21P.
   E. For corrosion-resisting steel add "SS" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51893-1SSA or MS51893-1SSB or MS51893-21SS.
6. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
7. Reference documents shall be of the issue in effect on date of invitations for bid.
8. The illustration is for identification and is not intended to restrict designs or shapes not dimensioned.
9. Procure the O-Ring separately and install immediately before installation of the fitting.
10. * The bodies will be used for production only and shall not be stocked for maintenance.

(A) Denotes change

APPROVED 25 APR 1975 REVISED (A) 30 July 1987

User Activities: (A) Army - OS, MC; Navy - OS, MC

Review Activities: (A) Army - AT, ME; Air Force - 82; DLA - CS

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P.A. AR Other Cust SH 99	TITLE ADAPTER, STRAIGHT, TUBE TO BOSS, LONG, O-RING, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD MS51893
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES	SHEET 1 OF 1