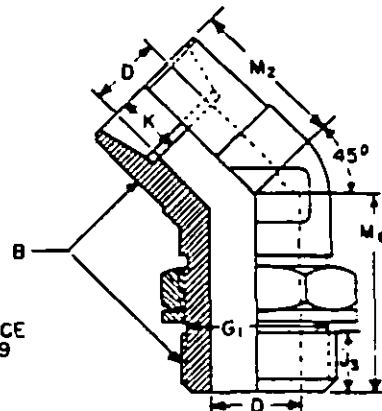
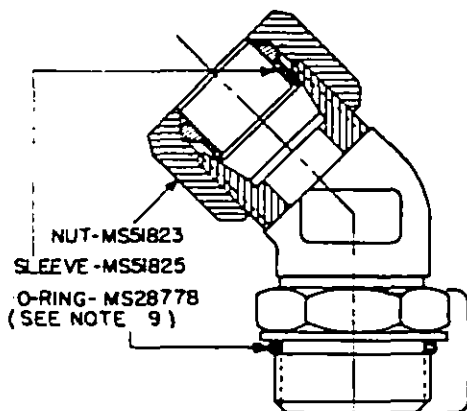


FED. W.P. CLASS
4730

① User Activities:
Army - AT, AV, EN, AF
Navy - OS, MC

② Review Activities:
Army - CL, HE
Air Force - B2
DLA - CS



DASH NUMBER		TUBE	B	D	G ₁	J ₃	K	M ₂	M ₆
ASSY	*BODY	O.D. NOM	STRAIGHT THREAD CLASS 2A	DIA DRILL	DIA + .002 - .003	FULL THREAD ± .005	+ .015 - .005	± .33	± .33
1	21	1/8	5/16-24UNF	0.093	0.250	.234	.188	0.64	0.56
2	22	3/16	3/8-24UNF	0.125	0.313	.234	.234	0.64	0.56
3	23	1/4	7/16-20UNF	0.203	0.364	.281	.234	0.70	1.35
4	24	5/16	1/2-20UNF	0.234	0.427	.281	.250	0.73	1.35
5	25	3/8	9/16-18UNF	0.281	0.482	.312	.250	0.83	1.14
6	26	1/2	3/4-16UNF	0.422	0.660	.344	.305	0.98	1.30
7	27	5/8	7/8-14UNF	0.500	0.773	.391	.350	1.38	1.52
8	28	3/4	1-1/16-12UN	0.656	0.945	.469	.350	1.27	1.73
9	29	7/8	1-3/16-12UN	0.718	1.070	.469	.350	1.27	1.50
10	30	1	1-5/16-12UN	0.875	1.195	.469	.415	1.36	1.56
11	31	1-1/4	1-5/8-12UN	1.093	1.507	.469	.415	1.45	1.91
12	32	1-1/2	1-7/8-12UN	1.344	1.756	.469	.485	1.52	1.91
13	33	2	2-1/2-12UN	1.813	2.381	.469	.485	1.53	1.86

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-B28.
- 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: MS51842-1A or MS51842-1B.
 - For body only, cadmium plated, use the MS number and the body dash number. Example: MS51842-21.
 - For zinc coating add "Z" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51842-1ZA or MS51842-1ZB or MS51842-1ZC.
 - For phosphate coating add "P" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51842-1PA or MS51842-1PB or MS51842-1PC.
 - For corrosion-resisting steel add "SS" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51842-1SSA or MS51842-1SSB or MS51842-1SSC.
- 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.

①

② Denotes change

P.A. AR Other Cost 99	TITLE ELBOW, TUBE TO BOSS, 45° O-RING, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD MS51842
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS SPEC ARE OBSOLETE

4730-JC93

APPROVED 29 DEC 1967 REVISED 17 APR 1970 JUL 1973 © 22 NOV 1974 ③ 30 July 1987

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