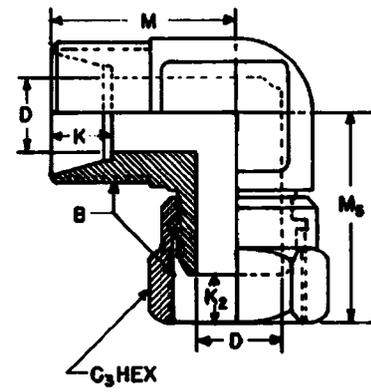
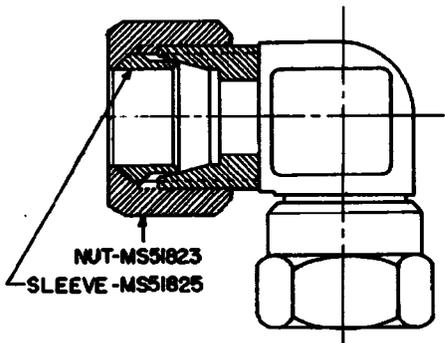


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User Activities:
Army - AT, AV, EL, AR
Navy - OS, MC
Air Force - S2
WLA - CS

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DASH NUMBER		TUBE	B	C ₃	D	K	K ₂	M	M ₅
ASSY	*BODY	O.D. NOM	STRAIGHT THREAD CLASS 2A OR 2B	HEX FLAT MAX	DIA DRILL	+ .015 - .005	+ .040 - .020	± .03	± .06
1	2	1/8	5/16-24UNF	7/16	0.093	.188	.172	0.77	0.98
3	4	3/16	3/8-24UNF	1/2	0.125	.234	.178	0.83	1.02
5	6	1/4	7/16-20UNF	9/16	0.203	.234	.219	0.89	1.05
7	8	5/16	1/2-20UNF	5/8	0.234	.250	.219	0.95	1.14
9	10	3/8	9/16-18UNF	11/16	0.281	.250	.265	1.05	1.28
11	12	1/2	3/4-16UNF	7/8	0.422	.305	.250	1.25	1.47
13	14	5/8	7/8-14UNF	1	0.500	.350	.304	1.42	1.61
15	16	3/4	1-1/16-12UN	1-1/4	0.656	.350	.354	1.58	1.77
17	18	7/8	1-3/16-12UN	1-3/8	0.718	.350	.281	1.62	1.80
19	20	1	1-5/16-12UN	1-1/2	0.875	.415	.250	1.73	1.86
21	22	1-1/4	1-5/8-12UN	2	1.093	.415	.265	1.89	2.08
23	24	1-1/2	1-7/8-12UN	2-1/4	1.344	.485	.289	2.02	2.20
25	26	2	2-1/2-12UN	2-7/8	1.813	.485	.281	2.45	2.52

- 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, FPD-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: MS51852-1A or MS51852-1B.
 - For the body only, cadmium plated, use the MS number and the body dash number. Example: MS51852-2.
 - For zinc coating add "Z" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51852-1ZA or MS51852-1ZB or MS51852-2Z.
 - For phosphate coating add "P" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51852-1PA or MS51852-1PB or MS51852-2P.
 - For corrosion-resisting steel add "SS" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51852-1SSA or MS51852-1SSB or MS51852-2SS.
 - 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.
 - After 22 NOV 1974, bodies will be used for production only and SHALL NOT be stocked for maintenance. Existing stock of bodies should be used until depleted.

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Ⓒ Denotes change

P.A. AR Other Cost 99	TITLE ELBOW, TUBE TO SWIVEL, 90°, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD MS51852
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES:	SHEET 1 OF 1

30 July 1987

REVISED 30 DEC 1970 22 NOV 1974

APPROVED 15 DEC 1955