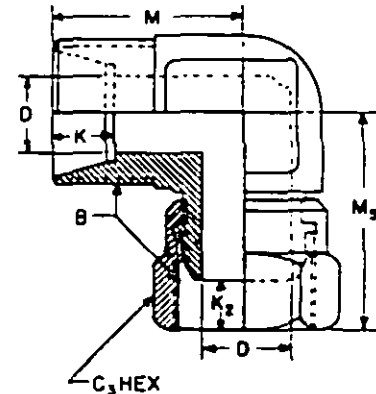
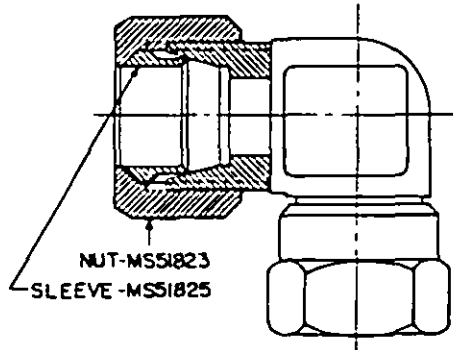


FED. SUP. CLASS  
4730User Activities:  
Army - AT, AV, EL, AR  
Navy - OS, MCReview Activities:  
Army - GL, ME  
Air Force - 82  
DLA - CS

DASH NUMBER		TUBE	B	C <sub>3</sub>	D	K	K <sub>2</sub>	M	M <sub>3</sub>
ASSY	*BODY	O.D. NOM	STRAIGHT THREAD CLASS 2A OR 2B	HEX FLAT MAX	DIA DRILL	+0.015 -0.005	+0.040 -0.020	±.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	0.99	1.03
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	0.636	.350	.354	1.58	1.77
17	18	7/8	1-3/16-12UN	1-3/8	0.718	.350	.281	1.62	1.50
19	20	1	1-5/16-12UN	1-1/2	0.875	.415	.250	1.73	1.36
21	22	1-1/4	1-5/8-12UN	2	1.093	.415	.265	1.89	2.05
23	24	1-1/2	1-7/8-12UN	2-1/4	1.344	.485	.289	2.02	2.22
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, 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: 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.

C Denotes change

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PROCUREMENT SPECIFICATION MIL-P-18866	SUPERSEDED	SHEET 1 OF 1

DD FORM 672-1 (Coordinated):

FORMER EDITIONS OF THIS FORM ARE OBSOLETE.

4730-0395

APPROVED 15 DEC 1956  
REVISED 30 DEC 1970 22 NOV 1974  
30 July 1987DISSEMINATION: STATUTORY A. Approved for public release; distribution is unlimited.  
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.