

User Activities:  
 Army - AF, AV, EL, AR  
 Navy - OS, MC  
 Review Activities:  
 Army - CL, ME  
 Air Force - 82  
 DLA - CS

DASH NUMBER		TUBE	B	D	G <sub>1</sub>	I <sub>2</sub>	K	K <sub>1</sub>	M <sub>3</sub>	M <sub>4</sub>
ASSY	*BODY	O.D. NOM	STRAIGHT THREAD CLASS 2A	DIA DRILL	DIA + .002 - .003	± .02	+ .015 - .005	± .020	± .03	± .03
1	2	1/8	5/16-24UNF	0.093	0.250	0.83	.188	.094	0.80	1.33
3	4	3/16	3/8-24UNF	0.125	0.313	0.88	.234	.094	0.92	1.41
5	6	1/4	7/16-20UNF	0.203	0.364	0.94	.234	.094	0.95	1.52
7	8	5/16	1/2-20UNF	0.234	0.427	0.94	.250	.094	1.05	1.55
9	10	3/8	9/16-18UNF	0.281	0.482	0.95	.250	.094	1.08	1.70
11	12	1/2	3/4-16UNF	0.422	0.660	1.12	.305	.125	1.33	1.97
13	14	5/8	7/8-14UNF	0.500	0.773	1.27	.350	.125	1.55	2.27
15	16	3/4	1-1/16-12UN	0.656	0.945	1.38	.350	.125	1.84	2.46
17	18	7/8	1-3/16-12UN	0.718	1.070	1.38	.350	.125	1.70	2.55
19	20	1	1-5/16-12UN	0.875	1.195	1.38	.415	.125	1.73	2.61
21	22	1-1/4	1-5/8-12UN	1.093	1.507	1.38	.415	.125	2.02	2.89
23	24	1-1/2	1-7/8-12UN	1.344	1.756	1.38	.485	.125	2.20	3.17
25	26	2	2-1/2-12UN	1.813	2.381	1.58	.485	.125	2.39	3.77

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. **THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, FED-STD-H28.  
 5. **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 nuts and sleeves), cadmium plated, use the MS number, plus the assembly dash number and the sleeve style designator. Example: MS51855-1A or MS51855-1B.  
 B. For body only, cadmium plated, use the MS number and the body dash number. Example: MS51855-2.  
 C. For zinc coating add "Z" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51855-1ZA or MS51855-1ZB or MS51855-2Z.  
 D. For phosphate coating add "P" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51855-1PA or MS51855-1PB or MS51855-2P.  
 E. For corrosion-resisting steel add "SS" and (for complete assembly) the sleeve style designator to the dash number. Example: MS51855-1SSA or MS51855-1SSB or MS51855-2SS.  
 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. 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. Other Cont 99	AR	TITLE ELBOW, TUBE, 90°, BULKHEAD, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD <b>MS51855</b>
PROCUREMENT SPECIFICATION MIL-P-18866	SUPERSEDES	SHEET 1 OF 1	

DISTRIBUTION STATEMENT A. Approved for public release distribution is unlimited.  
 INTERIM 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.