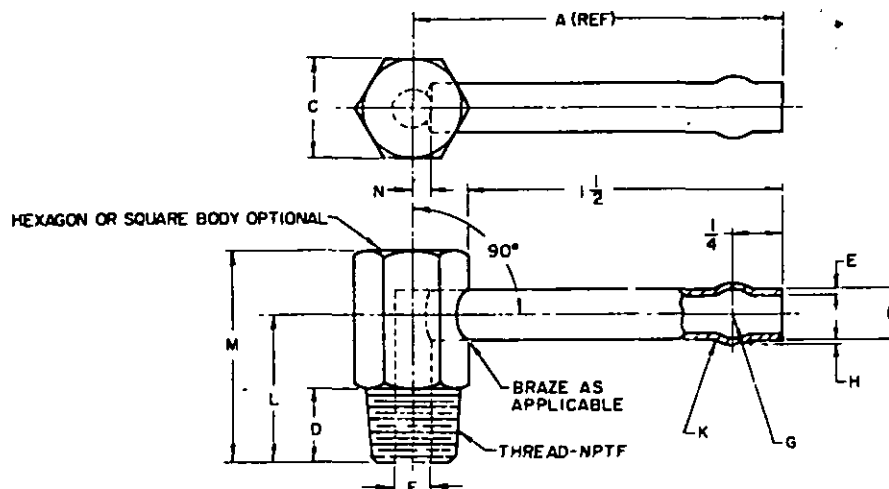


FED. SUP CLASS
4730

STEEL MS DASH NO.	ALUMINUM MS DASH NO.	HOSE I.D.	THD NPTF	A (REF)	B DIA. ±.005	C +0 -1/64	D +1/32 -0	E +0.02 -0.004	F DIA. +1/64 -0	G RAD. 1/64 -0	H ±.003 +1/64 -0	K RAD. +1/64 -0	L +1/32 -0	M +1/32 -0	N +1/64 -0
1	2	1/4	1/8	1-23/32	.250	1/2	3/8	.035	3/16	1/8	.031	1/16	3/4	1-1/16	3/32
3	4	3/8	1/4	1-55/64	.375	5/8	9/16	.035	5/16	1/8	.035	1/16	1	1-3/8	5/32
5	6	1/2	3/8	1-31/32	.500	13/16	5/8	.035	7/16	1/8	.038	1/16	1-1/8	1-5/8	7/32
7	8	5/8	1/2	2-3/64	.625	15/16	3/4	.049	17/32	1/8	.038	1/16	1-3/8	1-7/8	17/64
9	10	3/4	3/4	2-5/32	.750	1-1/8	3/4	.049	21/32	1/8	.038	1/16	1-1/2	2-1/16	21/64
11	12	1	1	2-19/64	1.000	1-3/8	7/8	.049	7/8	5/32	.062	3/32	1-13/16	2-1/2	7/16
13	14	1-1/4	1	2-23/64	1.250	1-3/4	7/8	.049	1-3/32	5/32	.062	3/32	1-15/16	2-3/4	35/64
15	16	1-1/2	1-1/4	2-35/64	1.500	2	31/32	.049	1-1/4	5/32	.072	3/32	2-3/16	3-1/8	5/8
17	18	1/4	1/4	1-25/32	.250	5/8	9/16	.035	3/16	1/8	.031	1/16	1	1-3/8	1/8
27	28	1-1/2	1-1/2	2-41/64	1.500	2	1	.049	1-15/32	5/32	.072	3/32	2-3/16	3-1/8	1/2

(C)

- MATERIAL: BODY
A. STEEL, CORROSION RESISTING, CLASS 410, CONDITION A OR T, QQ-S-763, OR CLASS 416, CONDITION A OR T, QQ-S-764.
B. ALUMINUM ALLOY 5052, H32, QQ-A-225/7.
OPTIONAL: ALUMINUM ALLOY 6061, T6, QQ-A-225/8 OR QQ-A-200/8.
- MATERIAL: TUBE
A. STEEL, CORROSION RESISTANT, SEAMLESS OR WELDED, CONDITION A, MIL-T-8606.
B. ALUMINUM ALLOY 5052, H34, MIL-T-700/4.
OPTIONAL: ALUMINUM ALLOY 6061, T6, MIL-T-700/6.
- BRAZING:
A. BRAZE IN ACCORDANCE WITH MIL-B-7883.
B. FOR CORROSION RESISTING STEEL, USE SILVER ALLOY FILLER METAL, MIL-B-15395, GRADE V.
C. FOR ALUMINUM ALLOY, USE ALUMINUM FILLER METAL, QQ-B-655, CLASS FS-BALSi-3 OR FS-BALSi-4.
D. ASSEMBLY MUST WITHSTAND 50 P.S.I. PRESSURE TEST WITHOUT LEAKAGE AFTER BRAZING.
- PROTECTIVE FINISH: ALUMINUM ONLY, ANODIZE, MIL-A-8625, TYPE 1.
- THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FEDERAL SERVICES, HANDBOOK H28.
- DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm 1/32$ ON FRACTIONS, $\pm 2^\circ$ ON ANGLES.
- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
- REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- THE MS PART NUMBER SHALL CONSIST OF THE MS NUMBER, PLUS THE DASH NUMBER. EXAMPLE: MS24519-1.
- MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

P.A. ARMY-AT Other Cust NAVY-OS AF-82	TITLE ELBOW, PIPE TO HOSE: 90° LOW PRESSURE	MILITARY STANDARD MS 24519
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

This military standard is mandatory 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.

REVIEW ACTIVITIES: ARMY-ME, WC; DSA-CS
USER ACTIVITIES: ARMY-MI, MU; NAVY-MC

APPROVED 3 MAY 1958 REVISED (D) 27 DECEMBER 1966 (B) 10 NOVEMBER 1963 (C) 3 DECEMBER 1973