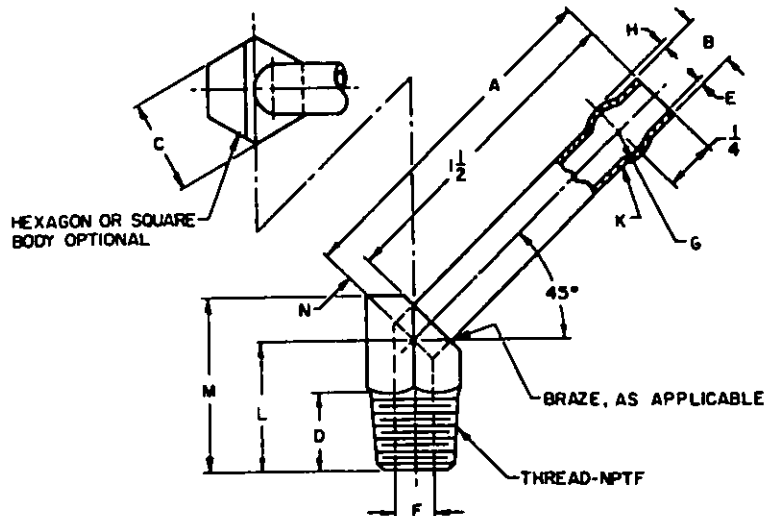


FED. SUP CLASS
47 30

STEEL MS DASH NO	ALUMINUM MS DASH NO	HOSE ID	THD NPTF	A	B DIA +.005	C +0 -1/64	D +1/32 -0	E +.002 -.004	F DIA +1/64 -0	G RAD +1/64 -0	H +.003 -0	K RAD +1/64 -0	L +1/32 -0	M +1/32 -0	N +0 -1/64
1	2	1/4	1/8	1-5/8	.250	1/2	3/8	.035	3/16	1/8	.031	1/16	5/8	15/16	1/8
3	4	3/8	1/4	1-11/16	.375	5/8	9/16	.035	9/32	1/8	.035	1/16	7/8	1-1/4	3/16
5	6	1/2	3/8	1-23/32	.500	13/16	9/16	.035	13/32	1/8	.038	1/16	59/64	1-3/8	7/32
7	8	5/8	1/2	1-25/32	.625	15/16	3/4	.049	9/16	1/8	.038	1/16	1-5/32	1-11/16	9/32
9	10	3/4	3/4	1-13/16	.750	1-1/8	3/4	.049	23/32	1/8	.038	1/16	1-13/64	1-27/32	5/16
11	12	1	1	1-7/8	1.000	1-3/8	15/16	.049	15/16	5/32	.062	3/32	1-31/64	2-1/4	3/8
13	14	1-1/4	1	1-7/8	1.250	1-1/2	15/16	.049	15/16	5/32	.062	3/32	1-31/64	2-5/16	3/8
15	16	1-1/2	1-1/4	2	1.500	1-7/8	31/32	.049	1-1/4	5/32	.062	3/32	1-7/16	2-1/2	1/2

REQUIREMENTS:

1. MATERIAL: BODY

A. STEEL, CORROSION RESISTING, CLASS 410, CONDITION A OR T, QQ-5-763, OR FREE MACHINING STAINLESS BAR TYPE 416 OR 416 Se, CONDITION A OR T, AMERICAN SOCIETY FOR TESTING AND MATERIALS A582.

B. ALUMINUM ALLOY 5052, H32, QQ-A-225/7, OPTIONAL: ALUMINUM ALLOY 6061, T6, QQ-A-225/8 OR QQ-A-200/8.

2. MATERIAL: TUBE

A. STEEL, CORROSION RESISTANT, SEAMLESS OR WELDED, CONDITION A, MIL-T-8606.

B. ALUMINUM ALLOY 5052, H34, WW-T-700/4, OPTIONAL: ALUMINUM ALLOY 6061, T6, WW-T-700/6.

3. BRAZING:

A. BRAZE IN ACCORDANCE WITH MIL-B-7883.

B. FOR CORROSION RESISTING STEEL, USE SILVER ALLOY FILLER METAL, QQ-B-654.

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.

4. PROTECTIVE FINISH: ALUMINUM ONLY, ANODIZE, MIL-A-8625, TYPE I.

5. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE +1/32 ON FRACTIONS, + 2° ON ANGLES.

6. THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FEDERAL SERVICES, HANDBOOK H28.

7. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS OR REQUEST FOR PROPOSAL.

8. MARKING SHALL CONSIST OF THE MS PART NUMBER AND THE MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

9. RECYCLED MATERIALS. THE USE OF RECYCLED MATERIALS WHICH MEET THE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATIONS WITHOUT JEOPARDIZING THE INTENDED USE OF THE ITEM SHALL BE ENCOURAGED.

NOTES:

1. DIMENSIONS ARE IN INCHES.

2. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

3. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.

4. THE MS PART NUMBER SHALL CONSIST OF THE MS NUMBER, PLUS THE DASH NUMBER. EXAMPLE: MS24518-1.

(B) DENOTES CHANGES

P.A. ARMY-AY	TITLE	MILITARY STANDARD
Other Cust NAVY-AS AF-99	ELBOW, PIPE TO HOSE: 45° LOW PRESSURE	MS24518
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

REVIEW ACTIVITIES: ARMY-WC, MI; DIA-CS
USER ACTIVITIES: ARMY-AV; NAVY-OS, MC

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 when applicable.

APPROVED 8 MAY 1958 REVISED (A) 27 DECEMBER 1966 (B) 30 DECEMBER 1977