

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.

FED. SUP CLASS 4730											
		<p>THIS SURFACE MUST BE FREE FROM BURRS, LONGITUDINAL AND SPIRAL TOOL MARKS, EXCEPT THAT ANNULAR TOOL MARKS UP TO 10 MICROINCHES RHR WILL BE ALLOWED.</p> <p>NUT MUST SWIVEL FREELY IN FITTING AFTER ASSEMBLY.</p> <p>THE MANUFACTURERS SOCKET PART NO., DASH SIZE, AND MANUFACTURERS NAME OR TRADEMARK SHALL BE PERMANENTLY MARKED ON THE SOCKET.</p>									
DASH NO.	HOSE ID REF	TUBING OD	(c) NUT	A MAX DIA	B MAX	C DIA	D	(a) E MIN	F MIN DIA	G NIPPLE HEX	H REF
-4	7/32	1/4	AN818-4	.875	2.100	.295	.375 ± .010	.188	.146	.563	.645
-5	9/32	5/16	AN818-5	.937	2.240	.355		.250	.177	.625	.721
-6	11/32	3/8	AN818-6	1.100	2.470	.435		.312	.271	.698	.794
-8	7/16	1/2	AN818-8	1.375	2.790	.570	.562 ± .031	.438	.365	.875	1.010
-10	9/16	5/8	AN818-10	1.550	3.000	.680		.515	.455	1.000	1.155
-12	11/16	3/4	AN818-12	1.740	3.230	.850		.562	.508	1.250	1.443
-16	7/8	1	AN818-16	2.000	3.850	1.103	.620	.375	.778	1.500	1.732

(a) HEX OR FLATS SHALL FIT STANDARD WRENCH OPENINGS.

(b) DIMENSION C OF CONICAL SEAT TO BE CONCENTRIC WITH OD OF NIPPLE WITHIN 0.005 TIR THROUGH SIZE -6, 0.010 TIR SIZE -8 AND ABOVE.

(c) A NON-STANDARD SWIVEL NUT MAY BE USED PROVIDED THE HEX AND THREAD DIMENSIONS ARE IN ACCORDANCE WITH AN818 AND PROVIDED THE NUT CANNOT BE REMOVED FROM ASSEMBLY.

THE MS PART NO. SHALL BE MARKED ON A REMOVABLE TAG SECURELY ATTACHED TO THE END FITTING ASSEMBLY.

(C) NIPPLES AND NUTS SHALL BE OF STEEL AND SOCKET OF ALUMINUM AS SPECIFIED IN MIL-F-8789.

THESE FITTINGS FOR USE WITH MIL-H-8788 HOSE AS SHOWN ON DRAWING MS28759. BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED. TOLERANCES: DECIMALS ± 0.005, ANGLES ± 1°

CLEARANCE SHALL BE ALLOWED FOR THE MAX DIMENSIONS SHOWN ON THIS DRAWING FOR INSTALLATION.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

P.A. USAF B2 Other Cust NAVY - AS	TITLE (C) ADAPTER, STRAIGHT, TUBE TO HOSE	MILITARY STANDARD MS28760
PROCUREMENT SPECIFICATION MIL-F-8789	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1

EDITION OF 1 SEP 57 MAY BE USED.

DATE  
DRAWN BY *William S. Wilson* 5 MAY 70