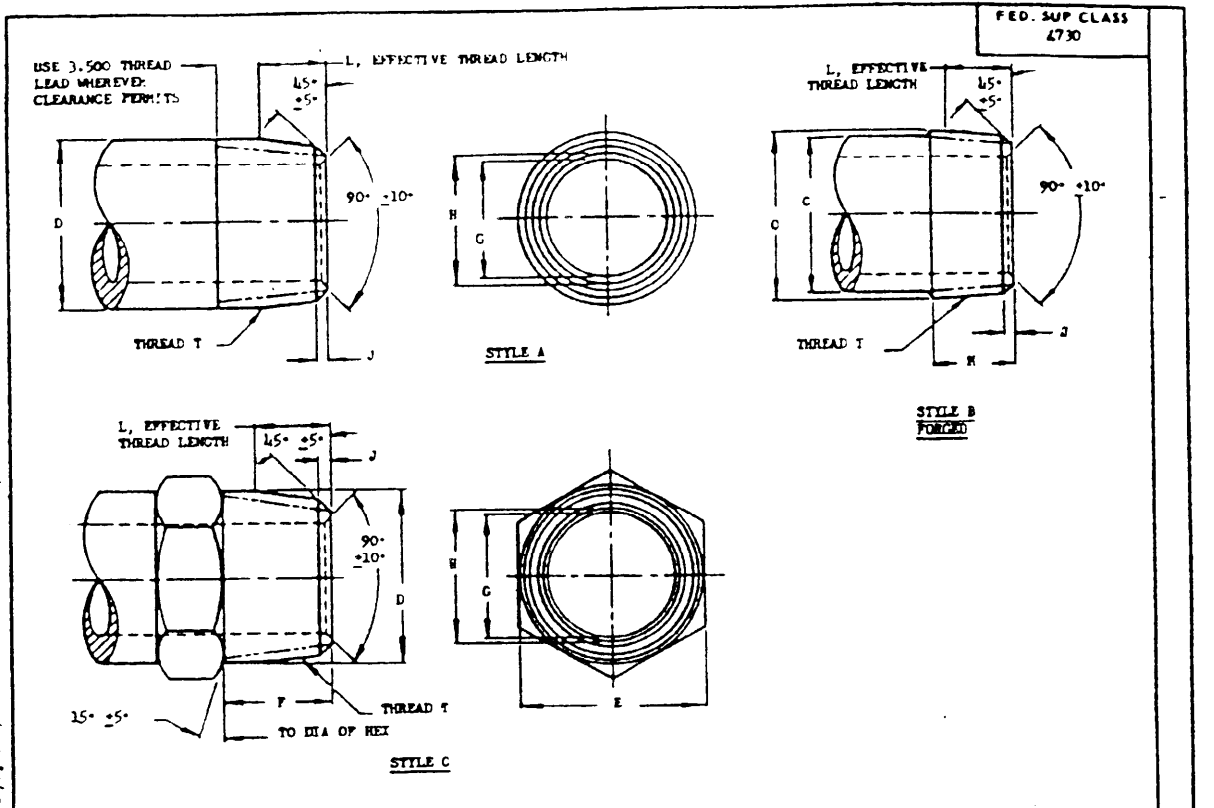


NOTE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever, and the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner granting the holder or any other person or corporation, or conveying any right or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

This military standard is approved by the Department of Defense and is mandatory on all activities. Subsequent to the date of promulgation and design applications and for repetitive use shall be made from this document.



NOMINAL PIPE SIZE	(b) THREAD T AMPT	(c) C MIN DIA	D MIN DIA	E	F ±.015	G DIA	(A) H ±.010 DIA	(A) J ±.016	(a) L REF	(c) M	(c) O MIN DIA	WALL THICKNESS MIN		
1/16	1/16-27	.281	.312	.375	+.003 -.004	.391	.109	-.003	.172	.031	.2611	.312	.328 .422	.050 .055
1/8	1/8-27	.375	.405	.437		.594	.281	+.004	.344	.047	.4018	.469	.562 .688	.058 .063
1/4	1/4-18	.469	.510	.625	+.004	.609	.406	-.003	.469	.062	.4078	.609	.859 .877	.066 .077
3/8	3/8-18	.625	.675	.750	+.004	.797	.531	+.005	.625	.062	.5337	.625	1.078	.077
1/2	1/2-14	.750	.810	.937	+.005	.797	.719	-.003	.812	.062	.5457	.625	1.078	.077
3/4	3/4-14	.969	1.050	1.125	+.005	.984	.938	-.004	1.031	.078	.6828	.781	1.344	.084
1	1-11-1/2	1.219	1.315	1.375		1.016	1.250	+.010	1.344	.078	.7068	.797	1.688	.098
1-1/4	1-1/4-11-1/2	1.562	1.660	1.750	+.016	1.031	1.500	-.004	1.594		.7235	.812	1.922	.094
1-1/2	1-1/2-11-1/2	1.812	1.900	2.000		1.062	1.938		2.031		.7565	.844	2.106	.111
2	2-11-1/2	2.281	2.375	2.500		1.562	2.312	+.011	2.406	.109	1.1375	1.266	2.906	.136
2-1/2	2-1/2-8	2.719	2.875	3.000	+.020	1.625	2.906	-.005	3.000	.109	1.2000	1.328	3.531	.145
3	3-8	3.344	3.500	3.750										

- (a) REFERENCE DIMENSIONS ONLY. DIMENSIONS ARE SPECIFIED IN HANDBOOK H-28.
- (b) THREAD T SHALL BE IN ACCORDANCE WITH HANDBOOK H-28. FOR AERONAUTICAL APPLICATIONS, THREADS SHALL BE IN ACCORDANCE WITH MIL-P-7105.
- (c) STYLE B ONLY. IF THREADS ARE ROLLED INTO THE FITTING, THE DIAMETER OF THE UNTHREADED PORTION SHALL NOT BE LESS THAN THE MINIMUM PITCH DIA OR MORE THAN THE MAX MAJOR DIA OF THE THREAD. BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005, ANGLES ±1/2°.

THIS IS A DESIGN STANDARD. NOT TO BE USED AS A PART NUMBER

P.A. USAF AFSC	TITLE	MILITARY STANDARD
Other Cust Army-Orc Navy-Wep	FITTING END, TAPER PIPE THREAD, STANDARD DIMENSIONS FOR	MS33677
PROCUREMENT SPECIFICATION NONE	SUPERSEDES AND10077	SHEET 1 OF 1

APPROVED 23 Dec 58 REVISED 31 Aug 61