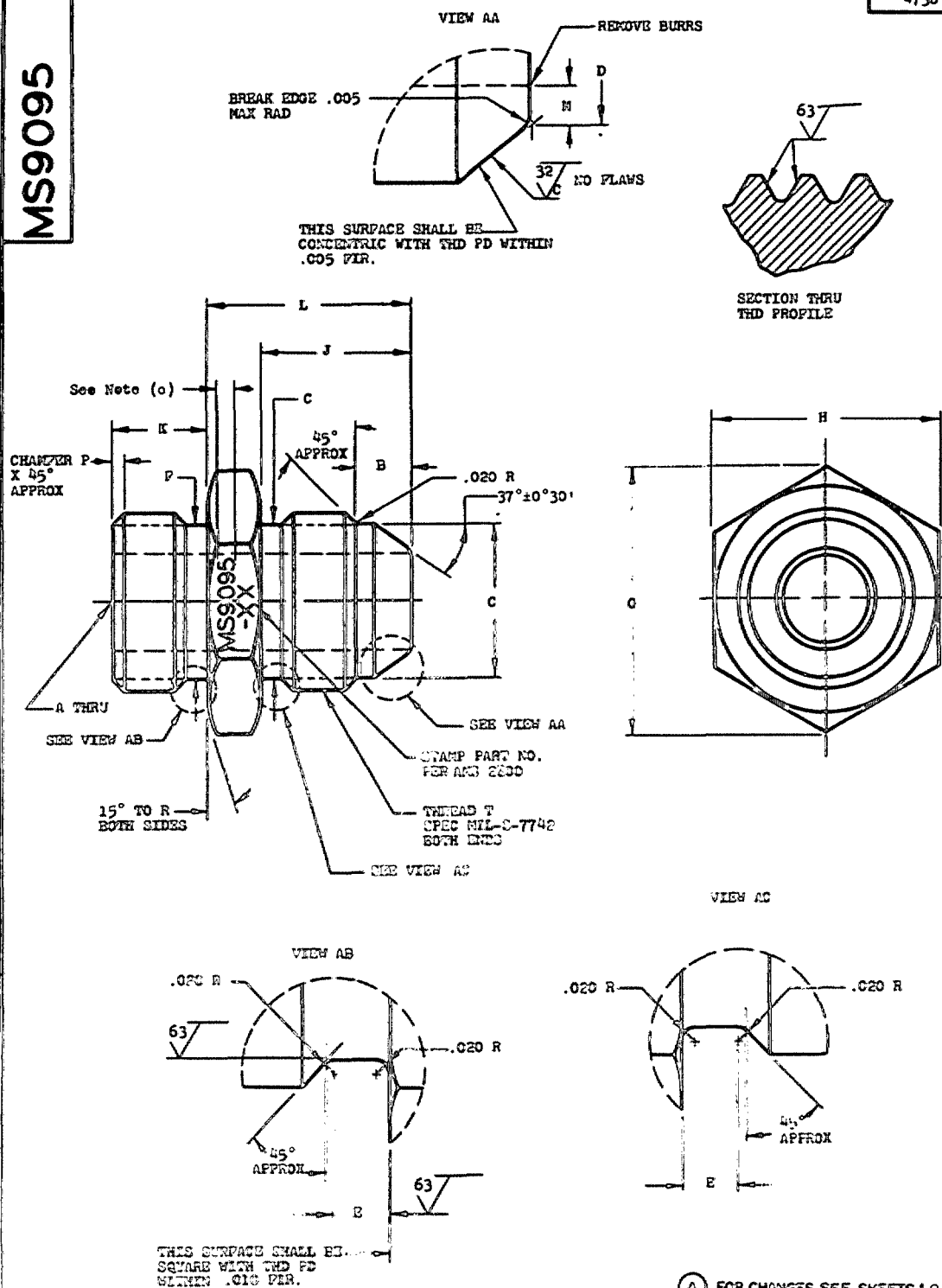


FED. SUP. CLASS.  
4730**MS9095**

Review activities: USAF-82

This military standard is approved by the Department of Defense and is mandatory on all contractors. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE BAR.

P.A. USAF-11 Other Com ARMY-AV NAVY-AS	(A)	TITLE NIPPLE, TUBE - AMS 4121, 8095	MILITARY STANDARD <b>MS9095</b>
PROCUREMENT SPECIFICATION NONE		SUPERSEDES	SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 11 Apr 60 REVISED (A) 11 MAR 70

MS9095

FED. SUP CLASS.  
4730

PART NO.	NOM TUBE OD	THREAD T	A DIA	B +.015 -.000	C DIA +.000 -.010	D DIA ±.003	E +.015 -.000	F DIA +.002 -.003 (a)(b)
MS9095-08	.500	.750-16UNF-3A	.387-.395	.229	.660	.462	.094	.660
MS9095-09	.562	.8125-16UN-3A	.434-.442	.229	.722	.509	.094	.722
MS9095-10	.625	.875-14UNF-3A	.480-.488	.255	.773	.555	.107	.773
MS9095-11	.688	1.000-12UNF-3A	.542-.552	.304	.882	.619	.125	.882
MS9095-12	.750	1.0625-12UN-3A	.604-.614	.304	.945	.681	.125	.945
MS9095-14	.875	1.1875-12UN-3A	.729-.739	.304	1.070	.806	.125	1.070
MS9095-16	1.000	1.3125-12UN-3A	.839-.851	.312	1.195	.918	.125	1.195
MS9095-18	1.125	1.500-12UNF-3A	.948-.960	.312	1.382	1.027	.125	1.382
MS9095-20	1.250	1.625-12UN-3A	1.073-1.086	.363	1.507	1.153	.125	1.507
MS9095-24	1.500	1.875-12UN-3A	1.307-1.320	.374	1.756	1.387	.125	1.756
MS9095-28	1.750	2.250-12UN-3A	1.542-1.557	.447	2.131	1.652	.125	2.131
MS9095-32	2.000	2.500-12UN-3A	1.776-1.791	.457	2.381	1.886	.125	2.381

PART NO.	G MIN	H	J	K	L	M MIN	P	R DIA	APPROX WEIGHT LBS/EA
MS9095-08	1.130	.990-1.002	.633	.440	.883	.030	.040-.070	1.000	.044
MS9095-09	1.200	1.052-1.064	.633	.440	.883	.030	.040-.070	1.062	.050
MS9095-10	1.270	1.114-1.127	.747	.440	1.057	.030	.050-.080	1.125	.065
MS9095-11	1.484	1.301-1.314	.853	.440	1.163	.030	.050-.080	1.312	.091
MS9095-12	1.556	1.364-1.377	.853	.480	1.163	.030	.050-.080	1.375	.100
MS9095-14	1.699	1.489-1.502	.898	.480	1.208	.030	.050-.080	1.500	.117
MS9095-16	1.842	1.614-1.627	.908	.480	1.268	.030	.050-.080	1.625	.144
MS9095-18	1.983	1.738-1.752	.954	.480	1.314	.030	.050-.080	1.750	.185
MS9095-20	2.126	1.863-1.877	.954	.480	1.314	.030	.050-.080	1.875	.203
MS9095-24	2.411	2.113-2.127	1.079	.480	1.439	.030	.050-.080	2.125	.262
MS9095-28	2.839	2.488-2.502	1.204	.480	1.594	.044	.050-.080	2.500	.416
MS9095-32	3.124	2.738-2.752	1.329	.480	1.719	.044	.050-.080	2.750	.508

- (a) DIA F SHALL BE FREE OF THREAD MARKS.  
 (b) DIAMETER F SHALL BE CONCENTRIC WITH PD OF THREAD WITHIN .0025 FIR.  
 (c) .040-.060 FOR SIZES -08 THRU -16; .090-.150 FOR SIZES -18 AND LARGER SIZES.  
 (d) ALL DIAMETERS SHALL BE CONCENTRIC WITHIN .010 FIR UNLESS OTHERWISE SPECIFIED.

(A) MATERIAL: ALUMINUM AMS 4121.  
 FINISH: ANODIC TREATMENT AMS 2470.

SURFACE ROUGHNESS: AS 291. UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES.  
 BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.  
 DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES; LINEAR DIMENSIONS ± .010;  
 ANGULAR DIMENSIONS ±5°.

DO NOT USE UNASSIGNED PART NUMBERS.

APPROVED 11 Apr 60 REVISED (A) FOR CHANGES SEE SHEETS 1 AND 2.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE

P.A. USAF-II Other Cust ARMY-AV NAVY-AS	TITLE  NIPPLE, TUBE - AMS 4121, BOSS	MILITARY STANDARD
		MS9095
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 2 OF