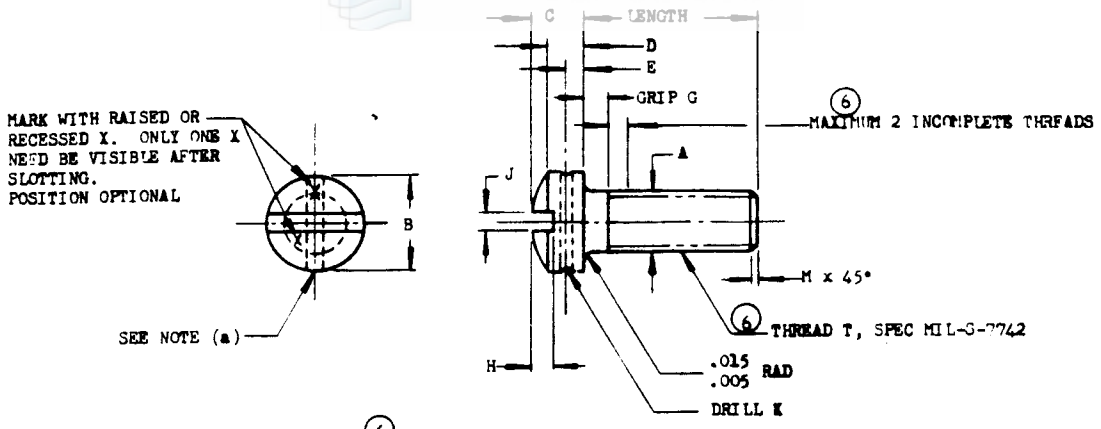
THIS DOCUMENT PROVIDED BY THE ABBOTT AEROSPACE
TECHNICAL LIBRARY
ABBOTTAEROSPACE.COM



THREAD T	A MAX DIA	B DIA MAX	B DIA MIN	C MAX	C MIN	D MAX	D MIN	(a) E REF	GRIP G MAX	GRIP G MIN	H MAX	H MIN	J MAX	J MIN	6 K DRILL +.004 -.001	M MAX
~~NO. 6-40 NF-3A~~	~~.1380~~	~~.226~~	~~.208~~	~~.132~~	~~.118~~	~~.096~~	~~.089~~	~~.043~~	~~.063~~	~~.031~~	~~.045~~	~~.035~~	~~.048~~	~~.039~~	~~.046~~	~~.031~~
~~NO. 8-36 NF-3A~~	~~.1640~~	~~.270~~	~~.250~~	~~.156~~	~~.141~~	~~.113~~	~~.106~~	~~.043~~	~~.063~~	~~.031~~	~~.065~~	~~.054~~	~~.054~~	~~.045~~	~~.046~~	~~.031~~
NO. 10-32 NF-3A	.1900	.313	.292	.180	.165	.130	.123	.043	.063	.031	.075	.064	.060	.050	.046	.031
1/4-28 UNF-3A	.2500	.414	.389	.237	.219	.170	.161	.062	.078	.046	.102	.087	.075	.064	.062	.031
5/16-24 UNF-3A	.3125	.518	.490	.295	.276	.211	.201	.078	.078	.046	.130	.110	.084	.072	.070	.047

(b)

LENGTH		DASH NUMBERS NO. 6-40	NO. 8-36	NO. 10-32	1/4-28	5/16-24
1/8	+0	6-2	8-2			
1/4	$-\frac{1}{32}$	6-4	8-4	10-4		
3/8		6-6	8-6	10-6	416-6	
1/2		6-8	8-8	10-8	416-8	
5/8			8-10	10-10	416-10	
3/4			8-12	10-12	416-12	516-12
7/8			8-14	10-14	416-14	516-14
1			8-16	10-16	416-16	516-16
1-1/8	+0			10-18	416-18	516-18
1-1/4	$-\frac{1}{16}$			10-20	416-20	516-20
1-3/8				10-22	416-22	516-22
1-1/2				10-24	416-24	516-24
1-5/8				10-26	416-26	516-26
1-3/4					416-28	516-28
1-7/8					416-30	516-30
2					416-32	516-32

6 (a) DRILLED HOLE TO BE ON CENTER APPROXIMATELY AT RIGHT ANGLES TO THE SLOT BUT MUST NOT BREAK THROUGH THE BASE OR TOP (SPHERICAL PORTION) OF THE HEAD.

(b) SIZES NO. 6-40 AND NO. 8-36 INACTIVE FOR DESIGN AFTER 12 MAY 1950.

FOR DEFINITION AND APPLICATION OF DRAWING STATUS NOTES, SEE ANA BULLETIN NO. 337.

(a) REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.

MATERIAL: STEEL, SPEC AN-S-9, MIL-S-6050, OR OTHER STEEL MEETING THE SAME PHYSICAL REQUIREMENTS.

HEAT TREAT: 125,000 TO 145,000 PSI TENSILE STRENGTH, SPEC MIL-H-6875.

FINISH: CADMIUM PLATE, SPEC QQ-P-416, TYPE I, CLASS C.

EXAMPLE OF PART NO.: AN502-10-10 = NO. 10-32 SCREW, 5/8 INCH LONG.

SCREWS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS OR SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES.

APPROVED 15 May 43 REVISED 1 10 Aug 43 2 30 Jun 45 3 23 Jan 46 4 12 May 50 5 5 June 51 6 11 May 53

6 PROCUREMENT SPECIFICATION MIL-S-7839

AIR FORCE-NAVY AERONAUTICAL STANDARD

SCREW - MACHINE, DRILLED FILLISTER HEAD, FINE THREAD

AN502

AN10 9-2