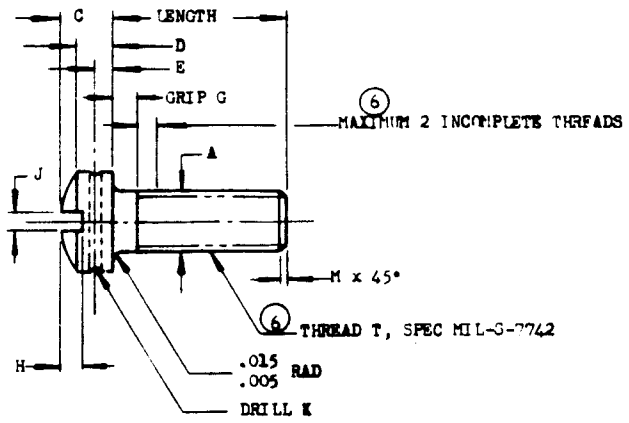


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MARK WITH RAISED OR RECESSED X. ONLY ONE X NEED BE VISIBLE AFTER SLOTTING. POSITION OPTIONAL

SEE NOTE (a)



THREAD T	A MAX DIA	B DIA		C		D		E REF	GRIP G		H		J		K DRILL +.004 -.001	M MAX
		MAX	MIN	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN		
NO. 6-40 NF-3A	.1900	.226	.200	.192	.118	.096	.089	.043	.063	.031	.045	.035	.048	.039	.046	.031
NO. 8-36 NF-3A	.2640	.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

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

(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.

(c) 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.

PROCUREMENT SPECIFICATION
MIL-S-7839

AIR FORCE-NAVY AERONAUTICAL STANDARD
SCREW - MACHINE, DRILLED FILLISTER HEAD, FINE THREAD

AN502

APPROVED 15 MAY 53 REVISED 10 AUG 53 2 30 JUN 53 3 23 JAN 54 4 12 MAY 50 5 5 JUNE 51 6 21 MAY 53

AN109-2