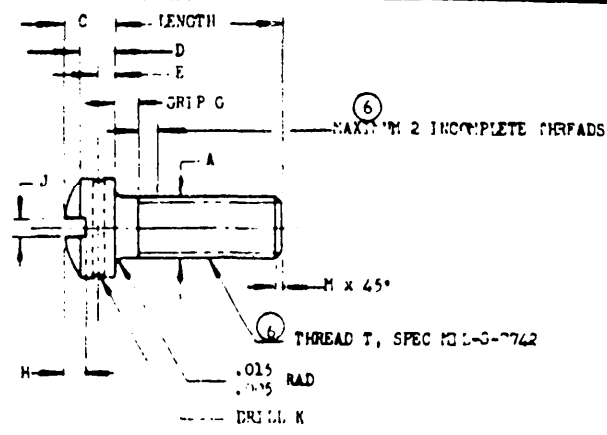


4 General Government drawings, specifications, or other data are used for any purpose other than the reproduction with the same approval as the original. The use of such data for any other purpose without the approval of the source is prohibited. The use of such data for any other purpose without the approval of the source is prohibited. The use of such data for any other purpose without the approval of the source is prohibited.

This drawing was prepared by joint action of the Air Force and Navy Departments by the Air Force. Navy approval is required for this product. This drawing is based on the standard drawing for the same product and shall be made effective for the procurement of aeronautical supplies, or for use to see design, or later than 6 months after the latest date of approval above.

MARK WITH RAISED OR RECESSED X. ONLY ONE X WOULD 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 .002	M MAX
		MAX	MIN	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN		
NO. 6-40 NF-3A	.132	.126	.128	.132	.134	.056	.057	.043	.063	.031	.065	.035	.044	.039	.046	.031
NO. 8-36 NF-3A	.164	.156	.161	.164	.167	.074	.075	.054	.083	.041	.085	.044	.054	.046	.046	.031
NO. 10-32 NF-3A	.190	.183	.187	.190	.193	.090	.091	.063	.093	.051	.095	.054	.060	.050	.046	.031
1/4-28 UNF-3A	.2500	.244	.249	.250	.253	.170	.171	.082	.098	.066	.112	.087	.075	.064	.062	.031
5/16-24 UNF-3A	.3125	.306	.311	.312	.315	.211	.212	.098	.114	.066	.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	6-6	8-6	10-6	416-6	
	6-8	8-8	10-8	416-8	
5/8		8-10	10-10	416-10	
		8-12	10-12	416-12	516-12
7/8			10-14	416-14	516-14
			10-16	416-16	516-16
1-1/8			10-18	416-18	516-18
			10-20	416-20	516-20
1-3/8			10-22	416-22	516-22
			10-24	416-24	516-24
1-5/8			10-26	416-26	516-26
				416-28	516-28
1-7/8				416-30	516-30
				416-32	516-32

- (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 1, 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 DILLODGED UNDER USAGE.
- DIMENSIONS IN INCHES.

PROCUREMENT SPECIFICATION MIL-S-7839	AIR FORCE-NAVY AERONAUTICAL STANDARD SCREW - MACHINE, DRILLED FILLISTER HEAD, FINE THREAD	AN502
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APPROVED 15 May 51 REVISED 1 16 Aug 43 2 30 Jun 45 3 23 Jan 46 4 12 May 50 5 5 June 51 6 11 May 53