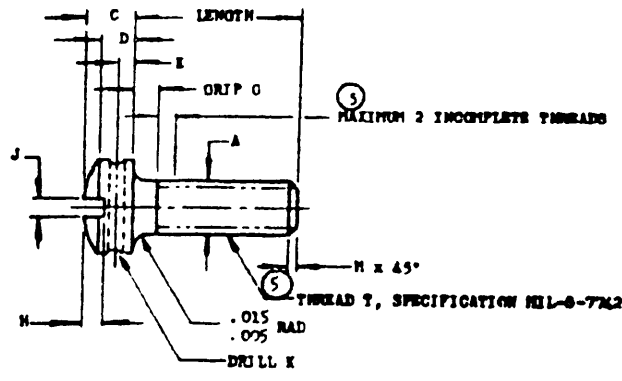


NOTES: When Coarse Thread, specifications, or other data are used for any purpose other than its application with a standard related General and Special Specification, the United States Government hereby disclaims any responsibility, and any additional information, and the fact that the Government has been furnished, furnished to be very important, and that the Government, or other data is not to be regarded as a recommendation or otherwise in any manner to indicate the holder of any other patent or trademark, or to authorize any other person to manufacture, sell, or use any product in violation of any patent or trademark.

NOTE: This drawing was prepared by joint action of the Air Force and Navy Departments on the Air Force-Navy Standard for this product. The drawing represents all standard dimensions for this standard product and shall become effective for the procurement of commercial supplies, to be used in any design, and that this is a standard that the latest data of approved design.

PART WITH RAISED OR KEPT DIA. ONLY OR IF KEPT IS VISIBLE AFTER SLOTTING. POSITION OPTIONAL.

SEE NOTE (a)



THREAD T	-A MAX DIA	B DIA		C		D		(c) K REF	ORIP G		H		J		K DRILL +.004 -.001	M MAX
		MAX	MIN	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN		
NO. 6-32-40-3A	.1380	.226	.208	.132	.118	.096	.089	.043	.063	.031	.045	.035	.048	.039	.046	.031
NO. 8-32 NO-3A	.1640	.270	.250	.156	.143	.113	.106	.043	.063	.031	.065	.054	.054	.045	.046	.031
NO. 10-24 NO-3A	.1900	.313	.292	.180	.165	.130	.123	.043	.063	.031	.075	.064	.080	.050	.046	.031
1/4-20 UN-3A	.2500	.414	.399	.277	.219	.170	.161	.062	.078	.046	.102	.087	.075	.064	.048	.031
5/16-18 UN-3A	.3125	.518	.490	.295	.276	.211	.201	.078	.078	.046	.130	.110	.084	.078	.070	.047

LENGTH	DASH NUMBERS				
	NO. 6-32	NO. 8-32	NO. 10-24	1/4-20	5/16-18
1/8	(b) ←	(b) ←	(b) ←		
1/4	6-4	8-4			
3/8	6-6	8-6	10-6		
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			10-18	416-18	516-18
1-1/4			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			10-30	416-30	516-30
2				416-32	516-32

- (a) FILLISTER HOLE TO BE ON CENTER APPROXIMATELY AT RIGHT ANGLES TO THE SLOT BUT MUST NOT BREAK THROUGH THE BASE OR TOP (SEE TECHNICAL PARTS) OF THE HEAD.
- (b) PART NUMBERS AN503-6-2, AN503-8-2, AND AN503-10-4 INACTIVE FOR DESIGN AFTER 23 JANUARY 1946. FOR DEFINITION AND APPLICATION OF DASHING STATUS NOTES, SEE AIR BULLETIN NO. 337.
- (c) REFER TO DIMENSIONS AIR FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.
- (d) NOT PREFERRED FOR AIRFRAME USE.

MATERIAL: STEEL, SPECIFICATION AN-6-9, MIL-8-6050, OR OTHER STEEL MEETING THE SAME PHYSICAL REQUIREMENTS.
 HEAT TREAT: 275,000 TO 145,000 PSI TENSILE STRENGTH, SPECIFICATION MIL-N-6875.
 FINISH: OXIDIZED PLATE, SPECIFICATION QQ-P-416, TYPE 1, CLASS C.
 EXAMPLE OF PART NO.: AN503-8-10 - NO. 8-32 SCREW, 5/8 INCH LONG
 SCREWS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS OR SLIVERS WHICH MIGHT BECOME DISLOADED UNDER USE.
 DIMENSIONS IN INCHES.

APPROVED 12 Apr 44 REVISED 1 10 Jun 45 2 23 Jan 46 7 12 May 50 8 5 Jun 51 9 11 May 53

PROCUREMENT SPECIFICATION MIL-8-7839	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN503
	SCREW - MACHINE, DRILLED FILLISTER HEAD, COARSE THREAD	

INCH-POUND

NOTICE
OF VALIDATION

AN503 REV. 5
NOTICE 1
24 JUNE 1994

MILITARY SPECIFICATION

SCREW & MACHINE, DRILLED FILLISTER HEAD, COARSE THREAD

AN503 REV 5 dated 11-MAY-53 has been reviewed and determined to be valid for use in acquisition.

Custodians:

Air Force - 99
Army - AV
Navy - AS

Preparing activity:
DLA- IS

AMSC N/A

FSC 5305

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