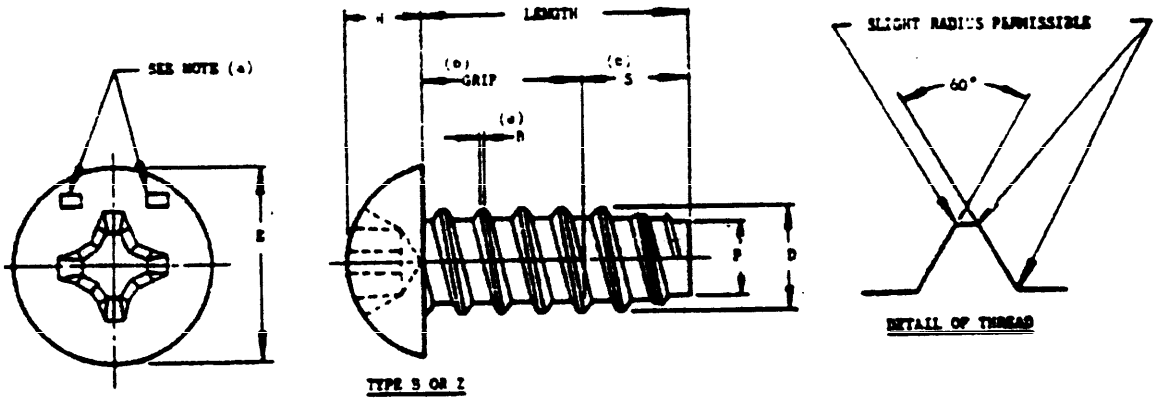
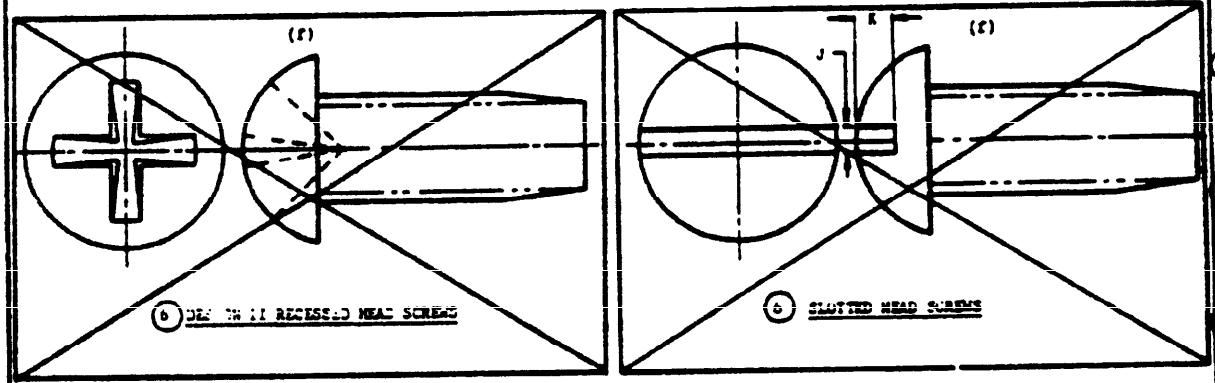


(6) DESIGN I RECESSED HEAD SCREW



(6) DIMENSIONING AND GAGING OF THE ABOVE RECESS DESIGNS SHALL BE IN ACCORDANCE WITH FF-S-92.

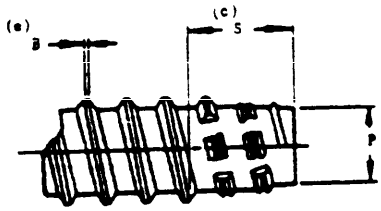
SIZE	THREADS PER INCH	D MAX DIA	E DIA MAX	E DIA MIN	H MAX	J MAX	J MIN	K MAX	K MIN	P DIA MAX	P DIA MIN
NO. 2	32	.086	.162	.156	.069	.031	.023	.038	.037	.058	.052
NO. 4	24	.112	.211	.199	.086	.039	.031	.058	.044	.079	.071
NO. 6	20	.139	.260	.260	.103	.048	.039	.068	.051	.095	.089
NO. 8	15	.166	.309	.287	.120	.056	.045	.077	.058	.112	.106
NO. 10	16	.189	.359	.334	.137	.060	.050	.087	.065	.130	.123
1/4	14	.216	.457	.429	.170	.075	.064	.106	.080	.179	.171

(6) DESIGN II RECESSED AND SLOTTED HEAD SCREWS INACTIVE FOR DESIGN AFTER 17 FEBRUARY 1959.

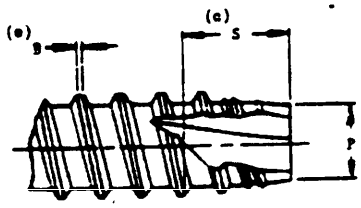
APPROVED 12 Feb 43 REVISED (1) 30 Jun 43 (2) 26 Apr 44 (3) 18 Feb 46 (4) 29 Mar 49 (5) 10 Jan 55 (6) 17 Feb 59

PROCUREMENT SPECIFICATION	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN530
MIL-S-6039	SCREW, TAPPING, THREAD FORMING OR THREAD CUTTING, ROUND HEAD, SPACED THD	SHEET 1 OF 3

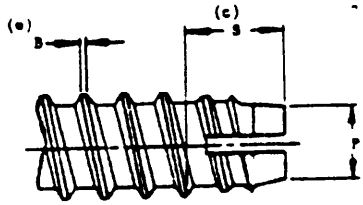
SUPERSEDES USAF DRAWINGS 533, 42A4946 AND 42A5701



TYPE BF OR FZ



TYPE BT OR 25



TYPE BG OR H

(d) OPTIONAL TYPES OF ENDS FOR THREAD CUTTING SCREWS

CARBON STEEL, SLOTTED HEAD SCREWS, THREAD FORMING, DASH NUMBERS FOR: (2)

LENGTH		NO. 4 DASH NO.	NO. 4 GRIP MIN	NO. 5 DASH NO.	NO. 5 GRIP MIN	NO. 6 DASH NO.	NO. 6 GRIP MIN	NO. 8 DASH NO.	NO. 8 GRIP MIN	NO. 10 DASH NO.	NO. 10 GRIP MIN	1/4 DASH NO.	1/4 GRIP MIN
3/16						6-4	.094						
1/4		4-4	.078			6-6	.219	8-6	.205	10-6	.188		
3/8	±0 1/32	4-6	.141	5-6	.220	6-8	.344	8-8	.330	10-8	.313		
1/2		4-8	.205	5-8	.305	6-10	.469	8-10	.455	10-10	.438	1/4-10	.415
5/8													
3/4						6-12	.575	8-12	.564	10-12	.547	1/4-12	.544
7/8						6-14	.703	8-14	.689	10-14	.672	1/4-14	.669
1	±0 1/64					6-16	.828	8-16	.814	10-16	.797	1/4-16	.794
1 1/4						6-20	1.078	8-20	1.064	10-20	1.047	1/4-20	1.044
1 1/2						6-24	1.328	8-24	1.314	10-24	1.297	1/4-24	1.294
1 3/4								8-28	1.549	10-28	1.532	1/4-28	1.509
2	±0 1/32							8-32	1.799	10-32	1.782	1/4-32	1.759
2 1/4								8-36	2.049	10-36	2.032	1/4-36	2.009
2 1/2								8-40	2.299	10-40	2.282	1/4-40	2.259

APPROVED 11 Jan 55 REVISED (1) 12 Jul 55 (2) 17 Feb

PROCUREMENT SPECIFICATION

MIL-S-[illegible]

AIR FORCE-NAVY AERONAUTICAL STANDARD

SCREW, TAPPING, THREAD FORMING OR THREAD CUTTING, ROUND HEAD, SPACED THD

AN530

SHEET

(c) (a) MARK CORROSION-RESISTANT STEEL SCREWS, SIZES NUMBER 8 AND LARGER WITH DEPRESSED DASH.

(b) THE GRIP LENGTH IS MEASURED FROM THE UNDERSIDE OF THE HEAD TO THE END OF THE FULL-THREADED PORTION OF THE SHANK. THE MINIMUM GRIP DIMENSIONS SHOWN IN THE DASH NUMBER TABLE ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.

(c) TAPER LENGTH, S, IS 2 TO 3-1/2 TIMES THE PITCH OF THE THREAD.

(d) SCREWS DESIGNATED AS THREAD FORMING HAVE PLAIN ENDS (NOT FLUTED OR SLOTTED). SCREWS DESIGNATED AS THREAD CUTTING HAVE FLUTED OR SLOTTED ENDS.

(e) MAXIMUM CREST OF THREAD, B, UP TO AND INCLUDING SIZE NO. 8 EQUALS 0.004 INCH; MAXIMUM CREST OF THREAD OVER SIZE NO. 8 EQUALS 0.006 INCH. TAPERED THREADS HAVE UNFINISHED CRESTS.

MATERIAL: CARBON STEEL, CASE HARDENED, OR CORROSION-RESISTANT STEEL, TYPE 410, HARDENED.

FINISH: CARBON STEEL, CADMIUM PLATE, SPECIFICATION QQ-P-416, TYPE I, CLASS 3.
CORROSION-RESISTANT STEEL, NONE.

ADD C BEFORE FIRST DASH NUMBER FOR CORROSION-RESISTANT STEEL SCREWS.

ADD F BETWEEN FIRST AND SECOND DASH NUMBERS FOR SCREWS WITH FLUTED OR SLOTTED ENDS. (THREAD CUTTING). IF R APPEARS IN THE CODING, ADD THE F IMMEDIATELY FOLLOWING THE R.

ADD R BETWEEN FIRST AND SECOND DASH NUMBERS FOR RECESSED HEAD SCREWS.

EXAMPLES OF PART NUMBERS:

AN530-6-8	= NO. 6, CARBON STEEL, SLOTTED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
AN530-6R8	= NO. 6, CARBON STEEL, RECESSED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
AN530-6RF8	= NO. 6, CARBON STEEL, RECESSED HEAD, FLUTED OR THREAD CUTTING SCREW, 8/16 IN LENGTH.
AN530C6-8	= NO. 6, CORROSION-RESISTANT STEEL, SLOTTED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
AN530C6R8	= NO. 6, CORROSION-RESISTANT STEEL, RECESSED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
AN530C6RF8	= NO. 6, CORROSION-RESISTANT STEEL, RECESSED HEAD, FLUTED OR THREAD CUTTING SCREW, 8/16 IN LENGTH.

SCREWS HAVING FIVE THREADS OR LESS MAY HAVE FINER PITCH THREADS, OR SHORTER POINTS, OR FINER PITCH THREADS AND SHORTER POINTS, AT THE OPTION OF THE PRODUCER.

SCREW MANUFACTURER'S DESIGNATIONS MAY BE INCLUDED ON THE SCREWS.

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

DIMENSIONS IN INCHES.

SUBJECT TO AND10087 LIMITATIONS, THE THREAD FORMING SCREWS SHOWN ON THIS DRAWING MAY BE USED WITH SPECIFICATION MIL-N-3337 SHEET SPRING NUTS.

SUBJECT TO AND10087 LIMITATIONS, THE SCREWS MAY BE USED AS TAPPING SCREWS WITH AND10325 HOLE SIZES AND AND10387 HOLE TOLERANCES.

APPROVED 10 Jan 55 REVISED (1) 12 Jul 55 (2) 17 Feb 59