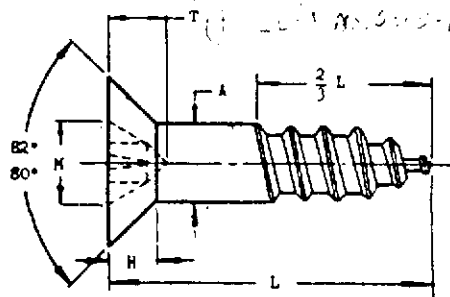
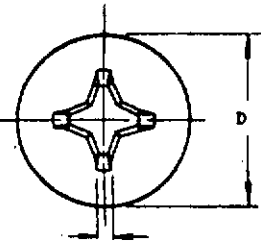


EDGES OF HEAD MAY BE ROUNDED

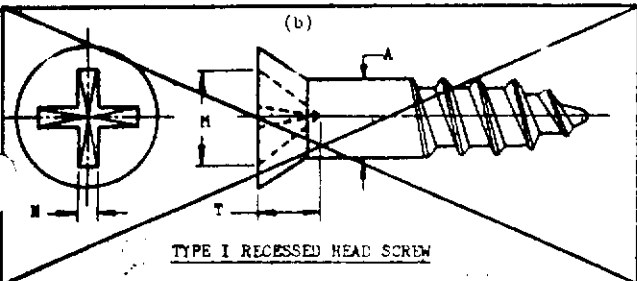
ENLARGED VIEW OF HEAD



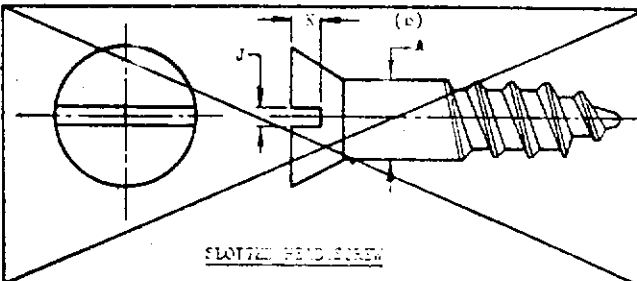
TYPE I RECESSED HEAD SCREW

SIZE	A +.004 -.007 DIA	D DIA			P MAX	H		M DIA		N WIDTH	T DEPTH	RECESS SIZE	(a) NUMBER OF THREADS PER INCH
		MAX SHARP	MIN SHARP	ABSOLUTE MIN WITH MAX P		MAX	MIN	MAX	MIN				
NO. 2	.086	.172	.156	.150	.003	.051	.043	.099	.089	.017	.060	1	26
NO. 3	.099	.199	.181	.175	.004	.059	.048	.104	.094	.025	.065		24
NO. 4	.112	.225	.207	.200	.004	.067	.055	.125	.115	.028	.068		22
NO. 5	.125	.252	.232	.225	.005	.075	.062	.151	.141	.027	.063	2	20
NO. 6	.138	.279	.257	.249	.005	.083	.059	.171	.161	.029	.063		18
NO. 8	.164	.332	.308	.300	.006	.100	.081	.201	.191	.033	.063		15
NO. 10	.190	.385	.359	.348	.007	.116	.098	.255	.245	.037	.063	13	
NO. 12	.216	.438	.410	.397	.008	.132	.112	.280	.270	.040	.065	3	11
NO. 14	.242	.491	.461	.447	.009	.148	.127	.300	.290	.042	.065		10
NO. 16	.268	.544	.512	.496	.010	.164	.141	.324	.314	.045	.065		9

(a) MAXIMUM PERMISSIBLE VARIATION IN NUMBER OF THREADS PER INCH IS PLUS OR MINUS 10 PERCENT.



TYPE I RECESSED HEAD SCREW



SLOTTED HEAD SCREW

RECESS DIMENSIONS

SCREW SIZE	A +.004 -.007 DIA	M DIA		N WIDTH	T DEPTH
		MAX	MIN		
NO. 2	.086	.129	.117	.019	.064
NO. 3	.099	.149	.136	.022	.097
NO. 4	.112	.169	.155	.026	.110
NO. 5	.125	.189	.174	.030	.123
NO. 6	.138	.209	.193	.033	.136
NO. 8	.164	.249	.231	.040	.162
NO. 10	.190	.289	.270	.047	.188
NO. 12	.216	.328	.308	.055	.214
NO. 14	.242	.368	.346	.062	.240
NO. 16	.268	.408	.384	.069	.266

SCREW SIZE	A +.004 -.007 DIA	C		K	
		MAX	MIN	MAX	MIN
NO. 2	.086	.035	.033	.015	.015
NO. 3	.099	.038	.036	.016	.016
NO. 4	.112	.041	.039	.017	.017
NO. 5	.125	.044	.042	.018	.018
NO. 6	.138	.047	.045	.019	.019
NO. 8	.164	.053	.051	.021	.021
NO. 10	.190	.059	.057	.023	.023
NO. 12	.216	.065	.063	.025	.025
NO. 14	.242	.071	.069	.026	.026
NO. 16	.268	.077	.075	.028	.028

FOR GAGING OF THESE TYPES OF RECESS, SEE THE 1950 SUPPLEMENT TO HANDBOOK H28 SCREW THREADS FOR FEDERAL SERVICES 1944.

MATERIAL: BRASS AND STEEL.

FINISH: STEEL, CADMIUM PLATE, SPECIFICATION QQ-P-416, TYPE 1, CLASS 3 OR ZINC PLATE, SPECIFICATION QQ-Z-325. BRASS, NONE. ADD R BETWEEN FIRST AND SECOND DASH NUMBERS FOR RECESSED HEAD SCREWS.

EXAMPLES OF PART NUMBERS: AN550-10-10 - NO. 10 SLOTTED HEAD STEEL SCREW, 1-1/4 INCHES LONG.
 AN550B10-10 - NO. 10 SLOTTED HEAD BRASS SCREW, 1-1/4 INCHES LONG.
 AN550-10R10 - NO. 10 RECESSED HEAD STEEL SCREW, 1-1/4 INCHES LONG.
 AN550B10R10 - NO. 10 RECESSED HEAD BRASS SCREW, 1-1/4 INCHES LONG.

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

DIMENSIONS IN INCHES.

IN CASE OF CONFLICT, THE REQUIREMENTS SPECIFIED HEREON SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SPECIFIED IN SPECIFICATION FF-8-111.

3 CANCELLED AFTER 16 NOV 1976 SUPERSEDED BY MS35492 & MS 35494

(b) TYPE I RECESSED AND SLOTTED HEAD SCREWS INACTIVE FOR DESIGN AFTER 17 FEBRUARY 1959.

PROCUREMENT SPECIFICATION

AIR FORCE-NAVY AERONAUTICAL STANDARD

FF-8-111

SCREW, WOOD, FLAT HEAD, 82 DEGREE

AN550

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APPROVED 17 May 63 REVISION 1 28 Sept 68 2 25 May 70 3 4 May 53 4 17 Feb 59 5 16 Nov 76

NOTE: This standard is a minimum specification only. It does not specify the material to be used, nor does it specify the method of manufacture. It is the responsibility of the purchaser to specify the material and the method of manufacture. The purchaser may also specify the tolerance on the length of the screw. The tolerance on the length of the screw shall be as follows: 1/4 inch and over, plus or minus 0.005 inch; 1/8 inch and under, plus or minus 0.002 inch. The tolerance on the length of the screw shall be as follows: 1/4 inch and over, plus or minus 0.005 inch; 1/8 inch and under, plus or minus 0.002 inch.

STEEL SLOTTED HEAD SCREWS, DASH NUMBERS FOR

L. LENGTH	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 8	NO. 10	NO. 12	NO. 14	NO. 16
1/4 +.000, -.030	2-2		4-2		6-2					
3/8 +.000, -.035	2-3	3-3	4-3	5-3	6-3	7-3				
1/2 +.000, -.040	2-4	3-4	4-4	5-4	6-4	7-4	8-4			
5/8 +.000, -.045	2-5	3-5	4-5	5-5	6-5	7-5	8-5	9-5		
3/4 +.000, -.040	2-6	3-6	4-6	5-6	6-6	7-6	8-6	9-6	10-6	
7/8 +.000, -.045		3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	
1 +.000, -.040		3-8	4-8	5-8	6-8	7-8	8-8	9-8	10-8	
1-1/4 +.000, -.050			4-10		6-10		8-10	9-10	10-10	11-10
1-1/2 +.000, -.050			4-12		6-12		8-12	9-12	10-12	11-12
1-3/4 +.000, -.060					6-14		8-14	9-14	10-14	11-14
2 +.000, -.060					6-16		8-16	9-16	10-16	11-16
2-1/4 +.000, -.060					6-18		8-18	9-18	10-18	11-18
2-1/2 +.000, -.070					6-20		8-20	9-20	10-20	11-20
2-3/4 +.000, -.070					6-22		8-22	9-22	10-22	11-22
3 +.000, -.080						6-24	8-24	9-24	10-24	11-24
3-1/2 +.000, -.080						8-28	10-28	11-28	12-28	13-28
4 +.000, -.090								11-32	12-32	13-32
4-1/2 +.000, -.100									12-36	13-36
5 +.000, -.110										13-40

BRASS SLOTTED HEAD SCREWS, DASH NUMBERS FOR

L. LENGTH	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 8	NO. 10	NO. 12	NO. 14	NO. 16
1/4 +.000, -.030	B2-2		B4-2		B6-2					
3/8 +.000, -.035	B2-3	B3-3	B4-3	B5-3	B6-3					
1/2 +.000, -.040	B2-4	B3-4	B4-4	B5-4	B6-4	B7-4				
5/8 +.000, -.045	B2-5	B3-5	B4-5	B5-5	B6-5	B7-5	B8-5			
3/4 +.000, -.040	B2-6	B3-6	B4-6	B5-6	B6-6	B7-6	B8-6	B9-6		
7/8 +.000, -.045			B4-7	B5-7	B6-7	B7-7	B8-7	B9-7		
1 +.000, -.040			B4-8	B5-8	B6-8	B7-8	B8-8	B9-8		
1-1/4 +.000, -.050					B6-10	B7-10	B8-10	B9-10	B10-10	B11-10
1-1/2 +.000, -.050					B6-12	B7-12	B8-12	B9-12	B10-12	B11-12
1-3/4 +.000, -.060						B6-14	B7-14	B8-14	B9-14	B10-14
2 +.000, -.060						B6-16	B7-16	B8-16	B9-16	B10-16
2-1/4 +.000, -.060							B7-18	B8-18	B9-18	B10-18
2-1/2 +.000, -.070							B7-20	B8-20	B9-20	B10-20
3 +.000, -.080								B8-24	B9-24	B10-24
3-1/2 +.000, -.080									B9-28	B10-28

PROCUREMENT SPECIFICATION
 AF-3-111

AIR FORCE-NAVY AERONAUTICAL STANDARD
 SCREW - WOOD, FLAT HEAD, 82 DEGREE

AN550

Page 2

REVISION 15 MAY 64