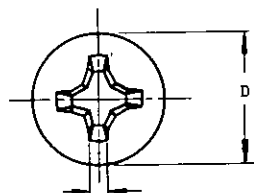


NAVAER 1000A (REV. 5-51)

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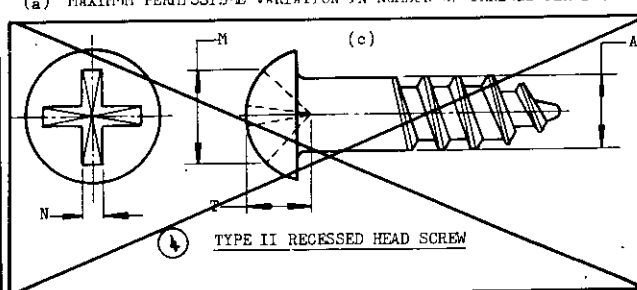
NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing supersedes all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new design, not later than 6 months after the latest date of approval shown.



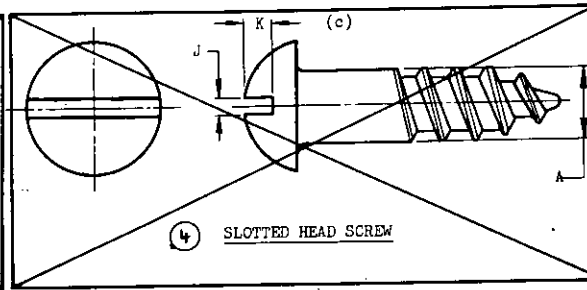
TYPE I RECESSED HEAD SCREW

SIZE	A +.004 -.007 DIA	D DIA		H		L LENGTH TOLERANCE		M DIA		N WIDTH MIN	R RAD MAX	T DEPTH MAX	RECESS SIZE	NUMBER OF THREADS PER INCH ^(a)
		MAX	MIN	MAX	MIN	PLUS	MINUS	MAX	MIN					
NO. 2	.086	.162	.146	.069	.059	.080	.111	.101	.018			.089	1	26
NO. 3	.099	.187	.169	.078	.067	.080	.119	.109	.019			.097		24
NO. 4	.112	.211	.193	.086	.075	.090	.127	.117	.018			.105		22
NO. 5	.125	.236	.217	.095	.083	.100	.151	.141	.027	.016		.104	2	20
NO. 6	.138	.260	.240	.103	.091	.100	.159	.149	.027			.112		18
NO. 8	.164	.309	.287	.120	.107	.120	.175	.165	.030			.128		15
NO. 10	.190	.359	.334	.137	.123	.130	.192	.182	.031			.145	3	13
NO. 12	.216	.408	.382	.153	.139	.150	.246	.236	.036			.165		11
NO. 14	.242	.457	.429	.170	.155	.160	.262	.252	.037	.031		.182		10
NO. 16	.268	.506	.476	.187	.171	.180	.278	.268	.039			.198		9

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



TYPE II RECESSED HEAD SCREW



SLOTTED HEAD SCREW

RECESS DIMENSIONS

SCREW SIZE	A +.004 -.007 DIA	M DIA		N WIDTH MIN	T DEPTH MAX
		MAX	MIN		
NO. 2	.086	.122	.109	.018	.079
NO. 3	.099	.140	.127	.021	.091
NO. 4	.112	.159	.145	.024	.103
NO. 5	.125	.177	.163	.027	.115
NO. 6	.138	.195	.180	.031	.127
NO. 8	.164	.232	.215	.037	.151
NO. 10	.190	.270	.250	.044	.176
NO. 12	.216	.306	.286	.051	.200
NO. 14	.242	.343	.322	.057	.224
NO. 16	.268	.380	.357	.064	.248

SCREW SIZE	A +.004 -.007 DIA	(c) J		(c) K	
		MAX	MIN	MAX	MIN
NO. 2	.086	.031	.023	.048	.037
NO. 3	.099	.033	.027	.053	.040
NO. 4	.112	.039	.031	.058	.044
NO. 5	.125	.043	.036	.063	.047
NO. 6	.138	.048	.039	.068	.051
NO. 8	.164	.054	.045	.077	.058
NO. 10	.190	.060	.050	.087	.065
NO. 12	.216	.067	.056	.096	.073
NO. 14	.242	.075	.064	.106	.084
NO. 16	.268	.075	.064	.115	.087

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

(b) SEE TABLE FOR LENGTH TOLERANCES.

**5 CANCELLED AFTER 19 SEPT 1981 SUPERSEDED BY
MS 35493 & MS 35495**

MATERIAL: BRASS AND STEEL

FINISH: STEEL, CADMIUM PLATE, SPECIFICATION QQ-P-416, TYPE I, 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: AN545-10-10 = NO. 10 SLOTTED HEAD STEEL SCREW, 1-1/4 INCHES LONG.

AN545B10-10 = NO. 10 SLOTTED HEAD BRASS SCREW, 1-1/4 INCHES LONG.

AN545-10R10 = NO. 10 RECESSED HEAD STEEL SCREW, 1-1/4 INCHES LONG.

AN545B10R10 = 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 DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES.

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

(c) TYPE II RECESSED AND SLOTTED HEAD SCREWS INACTIVE FOR DESIGN AFTER 17 FEBRUARY 1959. 5 DENOTES CHANGES

PROCUREMENT
SPECIFICATION

AIR FORCE-NAVY AERONAUTICAL STANDARD

FF-S-111

SCREW, WOOD, ROUND HEAD

AN545

SHEET 1 OF 2

U. S. GOVERNMENT PRINTING OFFICE: 1947