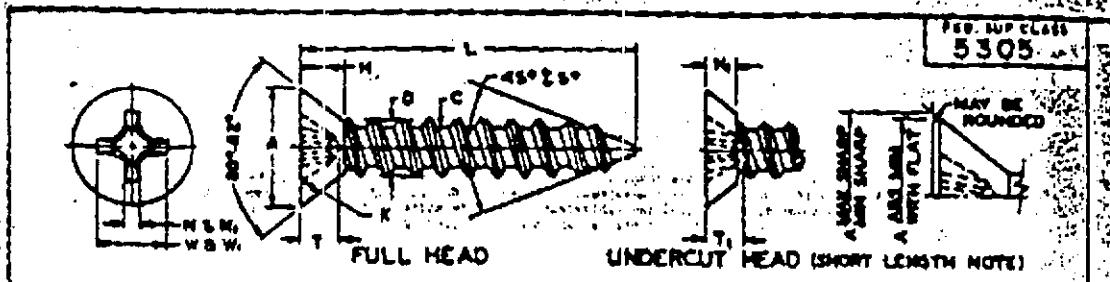


5-1994 10:11 FROM ROCKET AIR SUPPLY



NOMINAL SIZE		1 (.112)	1.5 (.136)	2 (.161)	2.5 (.187)	3 (.212)	4 (.237)
THREAD PER INCH		28	28	28	28	28	28
MAJOR DIAMETER	MAX	.116	.141	.166	.191	.216	.241
	MIN	.110	.135	.160	.185	.210	.235
MINOR DIAMETER	MAX	.087	.107	.127	.147	.167	.187
	MIN	.078	.098	.118	.138	.158	.178
HEAD DIAMETER	MAX SHARP	.095	.115	.135	.155	.175	.195
	MIN SHARP AND RND	.087	.107	.127	.147	.167	.187
FULL HEAD	HEAD HEIGHT H	.067	.081	.100	.116	.137	.168
	RECESS DIAMETER V	MAX	.178	.174	.179	.186	.193
		MIN	.125	.162	.178	.195	.212
	RECESS DEPTH Y	MAX	.089	.108	.127	.136	.156
		MIN	.073	.082	.098	.113	.122
	RECESS WIDTH X FOR		.018	.029	.031	.038	.039
UNDERCUT HEAD	DEPTH OF CHAMFER	MAX	.067	.095	.110	.125	.139
		MIN	.066	.072	.087	.102	.116
	HEAD HEIGHT H	MAX	.067	.057	.070	.061	.074
		MIN	.038	.068	.058	.068	.078
	RECESS DIAMETER V	MAX	.116	.118	.121	.124	.127
		MIN	.103	.126	.161	.176	.190
DRIVER SIZE	DRIVER SIZE	1	2	3	4	5	6
	LENGTH						
	TOLERANCE						
	DASH NO.						

**MATERIAL:** Steel, corrosion resisting, in accordance with Federal Standard No. 66, Steel Nos. 110 or 120 (Hardwood).

**FITNESS:** Passivated.

**THREADS:** Thread type to be in accordance with applicable requirements of procurement specification.

**RECESS:** Except for dimensions V, T, X, Y and Depth of Chamfer Penetration the recess shall be in accordance with MS 2466.

**SHORT LENGTHS:** Lengths above dotted line have fine pitch threads and undercut heads as indicated. (Size 4 undercut head only)

**HEAD SIZES:** For approximate hole sizes see MS 2461.

**UNDERCUT:** All dimensions are in inches unless otherwise specified.

**PART NUMBER:** The MS part number consists of the MS number plus the dash number. Example: MS2461-1.

**NOTES:** (1) For design feature purposes, this standard takes precedence over procurement documents referenced herein.  
 (2) Referenced documents shall be of the issue in effect on date of invitation for bid.

**MILITARY STANDARD**

**MS 24616**

**TITLE:** SCREW, TAPPING-THREAD FORMING, TYPE A, FLAT 82° COUNTERSUNK HEAD, CROSS RECESSED, CORROSION RESISTING STEEL

**PROCURMENT SPECIFICATION:** FF-3-127

**DATE:** 1963

**REVISION:** 1

