

TABLE IV.—ABSOLUTE MAXIMUM STRENGTH DEVELOPED.

Size of Hole.	Mean of 2 tests.	Size of Screw.	Minimum Diameter.	Max. Diameter.	No. of Threads per inch.	Length of thread = depth driven.	Kind of Wood.	Direction of Grain.	Max. Load in pounds.	Strength per inch of Thread.	REMARKS.
1"	4	2				3"	Wh. Oak.	parallel	4800		} Screws all failed Screw drew
1 1/8"	4	2 1/2	.....	.....	.....	do	do	do	4750	.....	
1 1/2"	1	3	.....	.....	.....	do	do	do	4960	1653	
3"	4	4				do	do	do	7180		} All fail- ed Screw drew
1 1/8"	4	4 1/2	.....	.....	.....	do	do	do	7263	.....	
1 1/2"	1	5	.....	.....	.....	do	do	do	7460	2480	
1"	4	3				4 1/2"	do	parallel	9320	2070	
1 1/8"	4	3 1/2	.....	.....	.....	do	do	do	9845	2180	
1 1/2"	4	4	.....	.....	.....	do	do	across	9505	2110	
1 3/4"	4	4 1/2	.....	.....	.....	do	do	do	9815	.....	
1 1/8"	4	3				4"	do	parallel	9870	2460	
1 1/2"	4	3 1/2	.....	.....	.....	do	do	do	9720	2430	
1 3/4"	4	4	.....	.....	.....	do	do	across	9820	2455	
1 5/8"	4	4 1/2	.....	.....	.....	do	do	do	10736	2684	
1"	10	3				3"	Red Pine.	parallel	2820	940	} Hand driven do
1 1/8"	9	3 1/2	.....	.....	.....	do	do	do	2688	896	
1 1/2"	8	4	.....	.....	.....	do	do	across	2865	955	
1 3/4"	4	4 1/2	.....	.....	.....	do	do	do	2678	893	
3"	12	1 1/2					do	parallel	4500	1500	} Hand driven
1 1/8"	12	1 1/4	.....	.....	.....	.....	do	do	3850	1283	
1 1/2"	18	1 1/2	.....	.....	.....	.....	do	across	3890	1296	
1 3/4"	12	1 3/4	.....	.....	.....	.....	do	do	3530	1176	
1 1/8"	4	3 1/2				4 1/2"	do	parallel	7387	1640	
1 1/2"	4	4	.....	.....	.....	do	do	do	6710	1490	
1 3/4"	4	4 1/2	.....	.....	.....	do	do	across	7037	1564	
1 5/8"	4	4 3/4	.....	.....	.....	do	do	do	6222	1382	
1 1/8"	4	3				4"		parallel	7250	1810	
1 1/2"	4	3 1/2	.....	.....	.....	do	.....	do	7360	1840	
1 3/4"	4	4	.....	.....	.....	do	.....	across	6237	1559	
1 5/8"	4	4 1/2	.....	.....	.....	do	.....	do	7117	1779	