

# RECOMMENDED HOLE SIZES FOR TAPTITE® THREAD ROLLING SCREWS

NOTE: Because conditions vary widely, it may be necessary to change hole size to suit a particular application

## MATERIAL THICKNESS

MATERIAL THICKNESS		.020 - .055			.061 - .122			.125 - .245			.250 - .312			.313 - .500*		
(APPROX.) U.S. GAUGE		26 - 17			16 - 11			11 - 3			3 - 5/16"			5/16" - 1/2"		
SCREW SIZE	MATERIAL	NEAREST DRILL SIZE	DECIMAL	APPROX. % THREAD	NEAREST DRILL SIZE	DECIMAL	APPROX. % THREAD	NEAREST DRILL SIZE	DECIMAL	APPROX. % THREAD	NEAREST DRILL SIZE	DECIMAL	APPROX. % THREAD	NEAREST DRILL SIZE	DECIMAL	APPROX. % THREAD
2-56	Steel	48	.076	85	47	.079	65	47	.079	65						
	Aluminum	48	.076	85	47	.079	65	47	.079	65						
3-48	Steel	44	.086	95	43	.089	75	2.35m	.093	45						
	Aluminum	44	.086	95	43	.089	75	2.35m	.091	60						
4-40	Steel	40	.098	85	38	.102	65	37	.104	50						
	Aluminum	40	.098	85	39	.100	75	38	.102	65						
5-40	Steel	34	.111	85	33	.113	75	32	.116	55						
	Aluminum	2.8m	.110	90	34	.111	85	33	.113	75	33	.113	75			
6-32	Steel	31	.120	90	31	.120	90	1/8	.125	65	3.25m	.128	50			
	Aluminum	31	.120	90	31	.120	90	1/8	.125	65	1/8	.125	65			
8-32	Steel				26	.147	85	3.8m	.150	70	23	.154	50			
	Aluminum				26	.147	85	3.8m	.150	70	24	.152	60			
10-24	Steel				19	.166	90	11/64	.172	70	16	.177	50			
	Aluminum				19	.166	90	19	.166	90	18	.170	75			
10-32	Steel				17	.173	85	16	.177	65	15	.180	50			
	Aluminum				17	.173	85	17	.173	85	16	.177	65			
12-24	Steel				4.9m	.193	85	8	.199	65	13/64	.203	50			
	Aluminum				11*	.191	90	9	.196	75	8	.199	65	13/64	.203	50
1/4-20	Steel				7/32	.219	95	5.7m	.224	80	1	.228	70	A	.234	50
	Aluminum				7/32	.219	95	2	.221	90	5.7m	.224	80	1	.228	70
5/16-18	Steel				9/32	.281	85	9/32	.281	85	7.25m	.285	75	L	.290	60
	Aluminum				9/32	.281	85	9/32	.281	85	7.25m	.285	75	7.3m	.287	70
3/8-16	Steel							8.75m	.334	75	5	.348	65	9m	.354	50
	Aluminum							8.6m	.339	90	11/32	.344	75	S	.348	65
7/16-14	Steel							x	.397	85	Y	.404	70	13/32	.406	65
	Aluminum							10m	.394	95	X	.397	85	Y	.404	70
1/2-13	Steel							11.5m	.453	95		.465	70	15/32	.469	60
	Aluminum							11.5m	.453	95		.460	80	15/32	.469	60

## APPLICATION INFORMATION

\*TAPTITE screws will function in hole depths beyond 1/2" (.500)

**STEEL** - Steel Sheet and Bar, Low Carbon Grades, Average Rockwell "B" 55-75.

**ALUMINUM** - Aluminum Sheet and Bar, All Aluminum Alloys.

Aluminum data also applies to other ductile materials of similar hardness such as brass, bronze, etc.

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