

DRILL CAPACITY CHART

SPACED THREAD

Drill screws with a Spaced thread pitch are typically used to attach plywood, soft woods or composition board to metal. They can also be used to attach thin metal sheet to metal.

DIAMETER	SIZE	DRILLING CAPACITY	
		MIN	MAX
#4	#2	.035	.080
#6	#2	.035	.090
#8	#2	.035	.100
#10	#2	.035	.110
#10	#3	.110	.175
#12	#3	.110	.210
#12	#4	.145	.312
#12	#5	.250	.500
1/4"	#3	.110	.220
1/4"	#4	.145	.312
1/4"	#5	.250	.500
5/16"	#4	.110	.312
5/16"	#5	.110	.312

MACHINE SCREW THREAD

Drill screws with a Unified (Machine Screw style) thread pitch are normally used to join thicker materials in order to reduce friction and driving torque.

DIAMETER	POINT SIZE	DRILLING CAPACITY	
		MIN	MAX
8-32"	#2	.035	.080
10-24"	#2	.035	.090
10-24"	#3	.035	.100
10-24"	#5	.035	.110
12-24"	#4	.110	.175
12-24"	#5	.110	.210
1/4-20"	#4	.145	.312
1/4-20"	#5	.250	.500

Drilling capacities are not absolute and can vary from one lot to another. It's best to test parts in desired application to verify screws are appropriate.

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MACHINE SCREW THREAD WITH WINGS

Drill screws with reaming wings drill out a clearance hole in wood or other soft materials, then snap off when in contact with the metal surface to be drilled.

DIAMETER	POINT SIZE	DRILLING CAPACITY	
		MIN	MAX
10-24"	#4	.050	.175
12-24"	#4	.050	.232
¼-20"	#4	.050	.232

SPACED THREAD WITH STITCH POINT

DIAMETER	POINT SIZE	DRILLING CAPACITY	
		MIN	MAX
#12	#1	.028	.075
¼"	#1	.028	.094

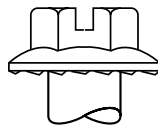
HEAD STYLE

CRITICAL TO DRILL SCREW APPLICATION



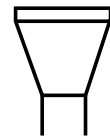
Modified Truss

Preferred when attaching wire or metal lathe to metal studs.



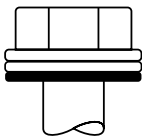
Serrated Hex Washer

Used in applications where excessive vibration is present and extra locking action is sought.



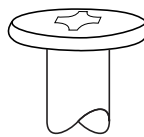
Trim

Ideal when attaching narrow wooden pieces to metal.



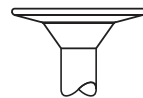
Hex Washer w/ Sealing Washer

Protects against leakage while providing superior load bearing to a regular flat washer.



Pancake Head

Designed to allow the head to sit flush, allowing for better clearance above the installed fastener. Used in roofing, steel framing and the installation of insulated panels.



Wafer

Preferred over other counter-sunk styles when seated in wood and softer materials.