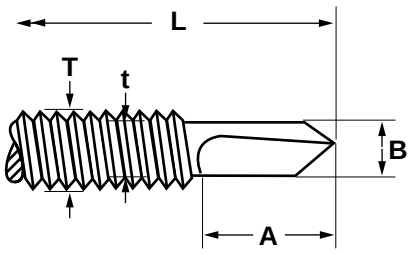
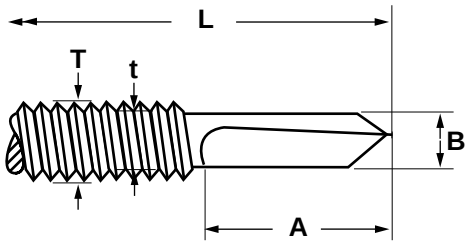
Self-Tapping Screws — *Self-Drilling* — #4 &#5 Point with Unified Thread



#4 Point



#5 Point

#4 & #5 Point Self Drilling Screws, Unified Thread Pitch

Diameter & Thread Pitch	L	Point Size	T		t		A		B		Drilling Capacity		Performance Info		
	Length (+0, -.050)		Major Thread Diameter		Minor Thread Diameter		Drill Point Length		Drill Point Diameter				Steel Gauge	Shear Strength (lapped steel) (lbs.)	Pullout Strength (lbs.)
			Max	Min	Max	Min	Max	Min	Max	Min	Max	Min			
12-24	7/8	#4	.216	.207	.172	.168	.523	.495	.202	.190	.312	.145	12	2000	1500
12-24	1.25 & 1.5	#5	.216	.207	.172	.168	.640	.603	.202	.190	.500	.250	1/8	2700	2200
													1/4	2760	4000

NOTE: There is no single standard for #4 & #5 self-drilling screws. These values are offered as a guide; deviations from these specifications may occur.

Description	A tapping screw with an integrally formed hex washer head, spaced or unified threads, and a drill point significantly longer than that of a # 2 or #3 point drill screw.
Applications/ Advantages	Designed to drill through a greater thickness of steel than a standard self drilling screw. Although it can assist in attaching metal deck to structural steel, the #4 & #5 point self drilling screws are not structural bolts and should not be used as such.
Material	AISI 1022 or equivalent steel
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 625° F minimum.
Case Hardness	Rockwell C50 - 56
Case Depth	No. 12 diameter: .004 - .009
Core Hardness (after tempering)	Rockwell C32 - 40
Shear Strength	The average ultimate values for shear strength are listed in the above table. Safety factors should be used when designing final applications.
Pull-out Strength	The average ultimate values for pull-out strength are listed in the above table. Safety factors should be used when designing final applications.
Plating	See Appendix-A for plating information.