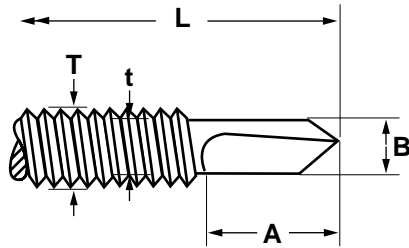


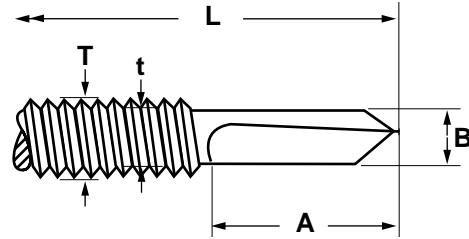
# Self-Tapping Screws

# 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 Length (+0, -.050)	Point Size	T		t		A		B		Drilling Capacity		Performance Info		
			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.

<b>Description</b>	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.
<b>Applications/ Advantages</b>	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.
<b>Material</b>	AISI 1022 or equivalent steel
<b>Heat Treatment</b>	Screws shall be quenched in liquid and then tempered by reheating to 625° F minimum.
<b>Case Hardness</b>	Rockwell C50 - 56
<b>Case Depth</b>	No. 12 diameter: .004 - .009 1/4 and larger: .005 - .011
<b>Core Hardness (after tempering)</b>	Rockwell C32 - 40
<b>Shear Strength</b>	The average ultimate values for shear strength are listed in the above table. Safety factors should be used when designing final applications.
<b>Pull-out Strength</b>	The average ultimate values for pull-out strength are listed in the above table. Safety factors should be used when designing final applications.
<b>Plating</b>	See Appendix-A for plating information.