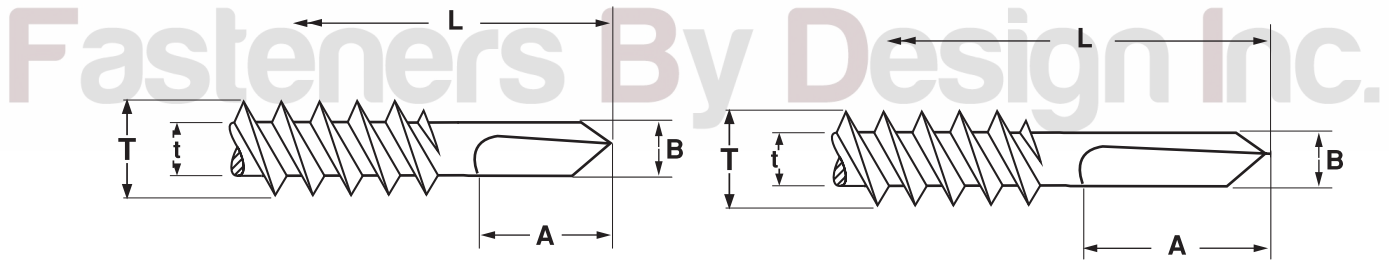


#4 & #5 Point with Spaced Thread

SELF-DRILLING



#4 Point

#5 Point

#4 & #5 POINT SELF DRILLING SCREWS, TAPPING SCREW THREAD												
Diameter & Thread Pitch	L Length (+0, -.050)	Point Size	T		t		A		B		Drilling Capacity	
			Major Thread Diameter		Minor Thread Diameter		Drill Point Length		Drill Point Diameter		Max	Min
			Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
12-14	7/8 thru 1.25"	#4	.215	.209	.164	.157	.480	.455	.202	.188	.312	.145
12-14	3/4 thru 4"	#5	.215	.209	.164	.157	.630	.605	.202	.188	.500	.250
1/4-14	7/8 thru 3.5"	#4	.246	.240	.192	.185	.650	.625	.225	.215	.312	.145
1/4-14	1.5 thru 6"	#5	.246	.240	.192	.185	.755	.730	.225	.215	.500	.250
5/16-12	1 thru 1.5"	#4	.315	.307	.272	.263	.570	.515	.285	.275	.312	.110
5/16-12	1 thru 3"	#5	.315	.307	.244	.236	.590	.555	.275	.285	*	*

*There is no industry standard governing the performance of #4 & #5 drill point screws. The manufacturer recommends testing this part in the actual application to determine if it will achieve the desired drilling capacity. As a point of reference, the manufacturer has successfully drilled a steel screw through a steel plate thickness of 0.236" using a minimum torque of 334 kg/cm.

Description	A tapping screw with an integrally formed hex washer head, spaced 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.	Offers similar advantages as the steel screw of the same design but with better corrosion resistance. It is important to remember that the hardness of the material to be drilled should be a minimum of 10-20 Rockwell hardness points LESS than the hardness of the drill screw.
Material	AISI 1022 or equivalent steel	410 stainless steel
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 625°F minimum.	410 stainless screws shall be hardened and tempered by heating to 1800°-1900°F sufficient for austenitization, held for at least 1/2 hour and rapid air or oil-quenched then reheating to 500°-600°F for at least 1 hour and air cooled to provide the specified hardness.
Case Hardness	Rockwell C50 - 56	410 SS: Rockwell C55 minimum
Case Depth	No. 12 diameter: .004 - .009 1/4 and larger: .005 - .011	-
Core Hardness (after tempering)	Rockwell C32 - 40	410 SS: Rockwell C38 - 42 (after tempering)
Plating	See Appendix-A for plating information.	Stainless drill screws are usually supplied plain.