THE NUTTY COMPANY INC
FASTENER SPECIALISTS SINCE 1977

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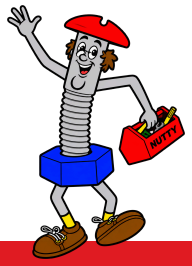


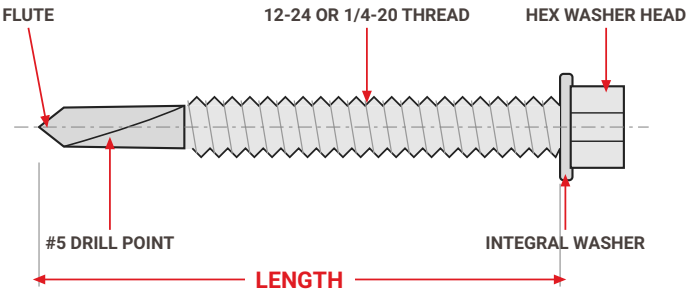
PRODUCT DATA SHEET

#5 Hex Self-Drilling (Tek) Screws with Dagger-Guard™ Coating

1.0 Sizes Stocked

Hex washer head • #5 drill point • Dagger-Guard™ 1,000-hr coating





LENGTH MEASURED FROM UNDER WASHER • MAX DRILL CAPACITY 0.500"

Diameter	Length	Threads / Inch	Drive	Drill Point	Max Drill Capacity	Nutty Stock #
12-24	1-1/4"	24	5/16" Hex	#5	0.500"	**HT51224114DG**
12-24	1-1/2"	24	5/16" Hex	#5	0.500"	**HT51224112DG**
12-24	2"	24	5/16" Hex	#5	0.500"	**HT512242DG**
1/4-20	1-1/2"	20	3/8" Hex	#5	0.500"	**HT51420112DG**
1/4-20	2"	20	3/8" Hex	#5	0.500"	**HT514202DG**
1/4-20	2-1/2"	20	3/8" Hex	#5	0.500"	**HT51420212DG**
1/4-20	3"	20	3/8" Hex	#5	0.500"	**HT514203DG**
1/4-20	4"	20	3/8" Hex	#5	0.500"	**HT514204DG**
1/4-20	5"*	20	3/8" Hex	#5	0.500"	**HT514205DG**
1/4-20	6"*	20	3/8" Hex	#5	0.500"	**HT514206DG**
1/4-20	8"*	20	3/8" Hex	#5	0.500"	**HT514208DG**

* Thread length 4" on 1/4-20 x 5", 6" & 8".

2.0 Performance

Ultimate values

Load	Diameter	Steel Thickness Fastened				Min. Torsional Strength (in-lb)
		12 Gauge	1/8"	3/16"	1/4"	
Tension (lb) – Pullout	#12	904	1,666	2,782	3,123	92
Shear (lb) – Bearing	#12	2,757	4,227	6,324	8,457	
Tension (lb) – Pullout	1/4"	873	1,713	2,843	3,814	150
Shear (lb) – Bearing	1/4"	3,189	4,893	7,320	9,789	

3.0 Material & Specifications

Property	Specification
Material	C1022 low carbon steel. Core hardness HRC 32–40
Finish	Dagger-Guard Coating™ – a three-layer, multi-step dip/spin/bake process providing 1,000-hour salt spray corrosion resistance (ASTM B117)
Application	Metal to metal applications
Installation	Screw gun with depth-sensitive nosepiece; speed not to exceed 1,500 RPM. Overdriving may cause fastener failure or strip-out of the work surface. The screw must penetrate the metal with a minimum of three threads protruding past the back side. Impact drivers are not recommended – they can strip or break the screw.

4.0 Reference Standards

Standard	Description
ICC-ES AC118	Acceptance criteria for tapping screw fasteners used in steel-to-steel connections
ASTM A510	General requirements for carbon steel wire rods (minimum grade 1018)
ASTM B117	Standard practice for operating salt spray (fog) apparatus
ASTM C1513	Steel tapping screws for cold-formed steel framing connections
ASTM F1941	Electrodeposited coatings on threaded fasteners
SAE J78	Dimensional, mechanical & performance requirements for steel self-drilling tapping screws

Disclaimer: The above is a compilation of data from various industry standards. The Nutty Company, Inc. has made every effort to present the data accurately. However, The Nutty Company, Inc. cannot be held liable for any claim traceable to any errors, typographical or otherwise, contained herein.



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