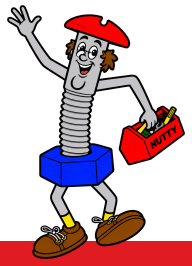
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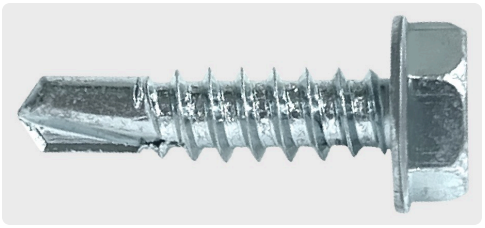


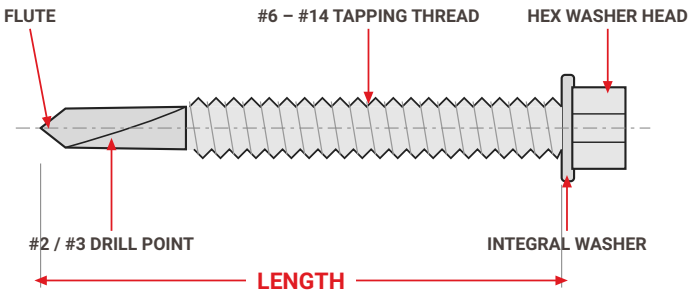
PRODUCT DATA SHEET

Hex Washer Head Self-Drilling (Tek) Screws

1.0 Sizes Stocked

Hex washer head • #2 / #3 drill point • zinc plated





LENGTH MEASURED FROM UNDER WASHER TO END OF POINT

Dia.	Length	TPI	Drive	Point	Max Drill	Max RPM	Nutty Stock #
#6	1/2"	20	1/4" Hex	#2	0.112"	2,500	HT612
#6	3/4"	20	1/4" Hex	#2	0.112"	2,500	HT634
#6	1"	20	1/4" Hex	#2	0.112"	2,500	HT61
#6	1-1/4"	20	1/4" Hex	#2	0.112"	2,500	HT6114
#6	1-1/2"	20	1/4" Hex	#2	0.112"	2,500	HT6112
#8	1/2"	18	1/4" Hex	#2	0.112"	2,500	HT812
#8	3/4"	18	1/4" Hex	#2	0.112"	2,500	HT834
#8	1"	18	1/4" Hex	#2	0.112"	2,500	HT81
#8	1-1/4"	18	1/4" Hex	#2	0.112"	2,500	HT8114
#8	1-1/2"	18	1/4" Hex	#2	0.112"	2,500	HT8112
#10	1/2"	16	5/16" Hex	#3	0.175"	2,500	HT1012
#10	5/8"	16	5/16" Hex	#3	0.175"	2,500	HT1058
#10	3/4"	16	5/16" Hex	#3	0.175"	2,500	HT1034
#10	1"	16	5/16" Hex	#3	0.175"	2,500	HT101
#10	1-1/4"	16	5/16" Hex	#3	0.175"	2,500	HT10114
#10	1-1/2"	16	5/16" Hex	#3	0.175"	2,500	HT10112
#10	2"	16	5/16" Hex	#3	0.175"	2,500	HT102
#10	2-1/2"	16	5/16" Hex	#3	0.175"	2,500	HT10212
#10	3"	16	5/16" Hex	#3	0.175"	2,500	HT103

Dia.	Length	TPI	Drive	Point	Max Drill	Max RPM	Nutty Stock #
#12	3/4"	14	5/16" Hex	#3	0.210"	1,800	HT1234
#12	1"	14	5/16" Hex	#3	0.210"	1,800	HT121
#12	1-1/4"	14	5/16" Hex	#3	0.210"	1,800	HT12114
#12	1-1/2"	14	5/16" Hex	#3	0.210"	1,800	HT12112
#12	2"	14	5/16" Hex	#3	0.210"	1,800	HT122
#12	2-1/2"	14	5/16" Hex	#3	0.210"	1,800	HT12212
#14	3/4"	14	3/8" Hex	#3	0.220"	1,800	HT1434
#14	1"	14	3/8" Hex	#3	0.220"	1,800	HT141
#14	1-1/4"	14	3/8" Hex	#3	0.220"	1,800	HT14114
#14	1-1/2"	14	3/8" Hex	#3	0.220"	1,800	HT14112
#14	2"	14	3/8" Hex	#3	0.220"	1,800	HT142
#14	2-1/2"	14	3/8" Hex	#3	0.220"	1,800	HT14212
#14	3"	14	3/8" Hex	#3	0.220"	1,800	HT143
#14	3-1/2"	14	3/8" Hex	#3	0.220"	1,800	HT14312
#14	4"	14	3/8" Hex	#3	0.220"	1,800	HT144
#14	5"	14	3/8" Hex	#3	0.220"	1,800	HT145
#14	6"	14	3/8" Hex	#3	0.220"	1,800	HT146
#14	8"	14	3/8" Hex	#3	0.220"	1,800	HT148

Max Drill = maximum total steel thickness the point will drill. Max RPM = maximum installation speed. Also available: 618 pc. Hex Tek assortment (KAHT618), 410 stainless and #4 / #5 point heavy-gauge Tek screws.

2.0 Performance Ultimate values

Diameter	Load (lb)	Steel Thickness Fastened										Min. Torsional Strength (in-lb)
		25 ga	22 ga	20 ga	18 ga	16 ga	14 ga	12 ga	1/8"	3/16"	7/32"	
#6	Tension – Pullout	128	176	263	426	598	911	1,156	–	–	–	24
	Shear – Bearing	–	449	683	728	1,091	1,148	–	–	–	–	
#8	Tension – Pullout	–	–	248	431	465	600	743	–	–	–	42
	Shear – Bearing	–	–	583	876	1,030	1,340	944	–	–	–	
#10	Tension – Pullout	–	–	234	344	482	614	928	–	–	–	61
	Shear – Bearing	–	–	639	924	1,195	1,443	1,257	–	–	–	
#12	Tension – Pullout	–	–	227	360	480	669	904	1,685	2,456	–	92
	Shear – Bearing	–	–	650	960	1,280	1,672	2,191	–	–	–	
#14 (3/4" – 3-1/2")	Tension – Pullout	–	–	287	407	537	683	873	1,769	2,537	–	156
	Shear – Bearing	–	–	644	995	1,381	1,698	2,295	–	–	–	
#14 (4" – 8")	Tension – Pullout	–	–	300	402	776	1,057	1,477	–	3,941	4,656	156
	Shear – Bearing	–	–	797	1,083	1,942	2,300	2,754	–	–	–	

3.0 Material & Specifications

Property	Specification
Material	C1022 low carbon steel. Core hardness HV 240–425 (#10: HRC 30–42)
Finish	Zinc plating – 24-hour minimum salt spray corrosion resistance (ASTM B117)
Application	Metal to metal applications
Installation	Screw gun with depth-sensitive nosepiece; speed not to exceed 2,500 RPM (#6, #8, #10) or 1,800 RPM (#12, #14). 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
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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