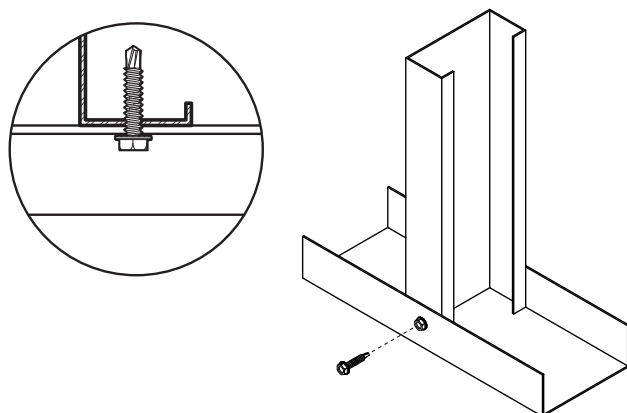
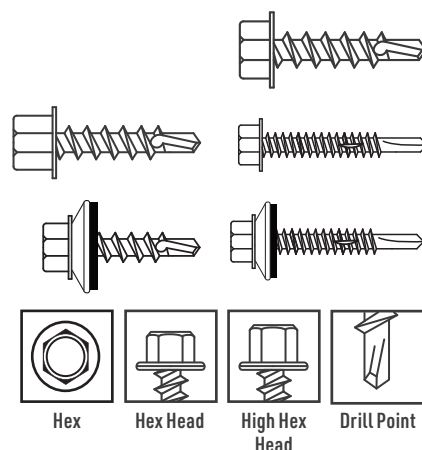


Hex Head Driller

Heavy-Gauge Steel-to-Steel



SCORPION®



Description

Attaches fixtures, backup plates, door frames, and lathers channel to structural studs and other heavy-gauge steel.

Specifications

Size | Gauge: #8 to #14

Length: 1/2 in. to 6 in.

Head Type: Hex Head, High Hex Head

Drive Type: 1/4 in., 5/16 in., 3/8 in. Hex

Thread Type: Fine

Finish: Clear Zinc, NanoGard™

Quality Assurance: Scorpion® fasteners are manufactured in ISO 9001 certified and approved factories.

LEED Reporting: The post-consumer recycled steel content is 25%.

Compliance: The fasteners comply with ASTM C1513 performance requirements.

Applications

- Steel studs to track, 20-12 (33-97 mil) gauge steel
- Steel studs to door frame jamb anchor clips
- Plaster grounds to 20-12 (33-97 mil) gauge steel
- Other steel-to-steel attachments, 20-12 gauge (33-97 mil)

Installation

- Use a standard screw gun with a depth-sensitive nose piece. Suggested screw gun specification for optimal performance: sizes #8 and #10, up to 2,500 RPM, sizes #12 and #14, up to 1,800 RPM.
- Because of significantly higher torque output, care and caution should be exercised when using an impact driver; otherwise, screw failure or spin-out may occur.
- The hex head is fully seated when the bearing surface of the head is flush with the work surface.
- The fastener must penetrate beyond the steel three full thread pitches.
- Overdriving may result in failure of the fastener.

Features

- Self-drilling point is designed for penetration into heavy-gauge steel.
- Hex head provides maximum driving torque with a flat bearing surface.
- Hex washer head design provides for a larger load-bearing surface for better holding power.
- Available with #1, #2, #3, #4, and #5 drill point.

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Standard Corrosion Test Results

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray	ASTM B117	12 hrs., no red rust
NanoGard™	Salt Spray	ASTM B117	1,000 hrs., no red rust

Note: Salt Spray Testing (SST) results are not intended to predict corrosion in real-world environments. The ASTM B117 standard for SST is recognized industry-wide as an effective tool for comparing different metals and different metal coatings in a tightly controlled, highly corrosive environment for specific periods of time. For more information about corrosion resistance, see the Grabber Guide to Corrosion Resistance for Fasteners.

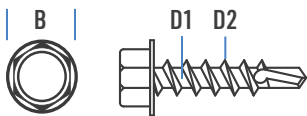
Pull-Out Test Data¹

Screw Gauge	TPI ²	Steel Gauge	Design Thickness	Tension	Shear
#8	18	18	0.0451 in.	94 lbs.	244 lbs.
		16	0.0566 in.	171 lbs.	344 lbs.
		14	0.0713 in.	215 lbs.	486 lbs.
		12	0.1017 in.	307 lbs.	827 lbs.
		10	0.1242 in.	375 lbs.	1,114 lbs.
#10	16	18	0.0451 in.	109 lbs.	263 lbs.
		16	0.0566 in.	198 lbs.	370 lbs.
		14	0.0713 in.	249 lbs.	523 lbs.
		12	0.1017 in.	356 lbs.	891 lbs.
		10	0.1242 in.	434 lbs.	1,199 lbs.
#12	14	18	0.0451 in.	124 lbs.	280 lbs.
		16	0.0566 in.	225 lbs.	394 lbs.
		14	0.0713 in.	284 lbs.	557 lbs.
		12	0.1017 in.	405 lbs.	950 lbs.
		10	0.1242 in.	493 lbs.	1,278 lbs.
#14	12 and 14	18	0.0451 in.	139 lbs.	297 lbs.
		16	0.0566 in.	252 lbs.	417 lbs.
		14	0.0713 in.	318 lbs.	590 lbs.
		12	0.1017 in.	453 lbs.	1,005 lbs.
		10	0.1242 in.	553 lbs.	1,353 lbs.

¹Test data values reported are allowable as determined by calculations and industry established test criteria, such as ICC-ES Acceptance Criteria and ASTM test standards. Please contact Grabber for detailed information about testing performed for specific products or if ultimate values are needed.

Sheet Steel Gauges

Gauge No.	Design Thickness	Millimeter Equivalent
25	0.0188 in.	0.4775 mm
20	0.0346 in.	0.8788 mm
18	0.0451 in.	1.1455 mm
16	0.0566 in.	1.4376 mm
14	0.0713 in.	1.8110 mm
12	0.1017 in.	2.5832 mm
10	0.1242 in.	3.1547 mm



Product Dimensions

Screw Gauge	B Head Dia.	Drive Size	D1 Minor Dia.	D2 Major Dia.	TPI ²
#8	0.335 in.	1/4 in.	0.119 in.	0.164 in.	18
#10	0.399 in.	5/16 in.	0.138 in.	0.190 in.	16
#12	0.415 in.	5/16 in.	0.160 in.	0.216 in.	14
#14	0.415 in.	5/16 in.	0.189 in.	0.242 in.	14
	0.500 in.	3/8 in.	0.189 in.	0.242 in.	14
	0.630 in.	5/16 in.	n/a	0.242 in.	12

²TPI stands for Threads Per Inch. This is a count of the number of threads per inch measured along the length of a fastener.

Hex Head Driller

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Ordering Information and Product Options

Item No.	Size	Drive Type	Head Dia.	TPI	Quantity	Weight	Special Features	
Clear Zinc								
T2HW8012	8 x 1/2 in.	1/4 in. Hex	0.335 in.	18	10,000	38 lb.		
T2HW8034	8 x 3/4 in.	1/4 in. Hex	0.335 in.	18	10,000	43 lb.		
T2HW8114	8 x 1 1/4 in.	1/4 in. Hex	0.335 in.	18	5,000	42 lb.		
T3HW10012	10 x 1/2 in.	5/16 in. Hex	0.399 in.	16	10,000	41 lb.		
T3HW10034	10 x 3/4 in.	5/16 in. Hex	0.399 in.	16	8,000	49 lb.		
T3HW10100	10 x 1 in.	5/16 in. Hex	0.399 in.	16	5,000	38 lb.		
T3HW10114	10 x 1 1/4 in.	5/16 in. Hex	0.399 in.	16	3,500	36 lb.		
T3HW10112	10 x 1 1/2 in.	5/16 in. Hex	0.399 in.	16	3,000	30 lb.		
T3HW10200	10 x 2 in.	5/16 in. Hex	0.399 in.	16	2,500	31 lb.		
T3HW10212	10 x 2 1/2 in.	5/16 in. Hex	0.399 in.	16	2,000	39 lb.		
T3HW10300	10 x 3 in.	5/16 in. Hex	0.399 in.	16	1,500	26 lb.		
T3HW12034	12 x 3/4 in.	5/16 in. Hex	0.415 in.	14	5,000	40 lb.		
T3HW12100	12 x 1 in.	5/16 in. Hex	0.415 in.	14	4,000	38 lb.		
T3HW12114	12 x 1 1/4 in.	5/16 in. Hex	0.415 in.	14	3,000	32 lb.		
T3HW12112	12 x 1 1/2 in.	5/16 in. Hex	0.415 in.	14	3,000	38 lb.		
T3HW12200	12 x 2 in.	5/16 in. Hex	0.415 in.	14	2,000	32 lb.		
T3HW12212	12 x 2 1/2 in.	5/16 in. Hex	0.415 in.	14	1,000	19 lb.		
T3HW12300	12 x 3 in.	5/16 in. Hex	0.415 in.	14	1,000	23 lb.		
T3HW14034	14 x 3/4 in.	3/8 in. Hex	0.500 in.	14	4,000	48 lb.		
T3HW1412034	14 x 3/4 in.	5/16 in. Hex	0.630 in.	12	4,000	48 lb.		
T3HW14100	14 x 1 in.	3/8 in. Hex	0.500 in.	14	3,000	43 lb.		
T3HW14114	14 x 1 1/4 in.	3/8 in. Hex	0.500 in.	14	2,000	34 lb.		
T3HW14112	14 x 1 1/2 in.	3/8 in. Hex	0.500 in.	14	2,000	38 lb.		
T3HW14200	14 x 2 in.	3/8 in. Hex	0.500 in.	14	1,500	35 lb.		
T3HW14212	14 x 2 1/2 in.	3/8 in. Hex	0.500 in.	14	1,000	29 lb.		
T3HW14300	14 x 3 in.	3/8 in. Hex	0.500 in.	14	1,000	33 lb.		
T3HW14400	14 x 4 in.	3/8 in. Hex	0.500 in.	14	750	29 lb.		
T3HW14500	14 x 5 in.	3/8 in. Hex	0.500 in.	14	500	26 lb.		
T3HW14600	14 x 6 in.	3/8 in. Hex	0.500 in.	14	250	15 lb.		
T5HW12200	12 x 2 in.	5/16 in. Hex	0.415 in.	14	2,000	39 lb.		Slotted shank
T3HHW100345M	10 x 3/4 in.	5/16 in. Hex	0.399 in.	16	5,000	36 lb.		High hex head
T3HHW10075	10 x 3/4 in.	5/16 in. Hex	0.399 in.	16	5,000	49 lb.		
T3HHW12034	12 x 3/4 in.	5/16 in. Hex	0.415 in.	14	5,000	40 lb.		
NanoGard™								
T3HW10034WXT	10 x 3/4 in.	5/16 in. Hex	0.399 in.	16	5,000	49 lb.	EPDM washer	
T3HW10100WXT	10 x 1 in.	5/16 in. Hex	0.399 in.	16	4,000	38 lb.		
T3HW10114WXT	10 x 1 1/4 in.	5/16 in. Hex	0.399 in.	16	2,500	30 lb.		
T3HW10112WXT	10 x 1 1/2 in.	5/16 in. Hex	0.399 in.	16	2,500	25 lb.		
T3HW10200WXT	10 x 2 in.	5/16 in. Hex	0.399 in.	16	1,500	31 lb.		
T3HW10212WXT	10 x 2 1/2 in.	5/16 in. Hex	0.399 in.	16	1,000	39 lb.		

Hex Head Driller

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SCORPION®

Ordering Information and Product Options (continued)

Item No.	Size	Drive Type	Head Dia.	TPI	Quantity	Weight	Special Features
NanoGard™							
T3HW12034WXT	12 x 3/4 in.	5/16 in. Hex	0.415 in.	14	3,500	28 lb.	EPDM washer
T3HW12100WXT	12 x 1 in.	5/16 in. Hex	0.415 in.	14	3,000	28 lb.	
T3HW12114WXT	12 x 1 1/4 in.	5/16 in. Hex	0.415 in.	14	2,500	32 lb.	
T3HW12112WXT	12 x 1 1/2 in.	5/16 in. Hex	0.415 in.	14	2,000	26 lb.	
T3HW12200WXT	12 x 2 in.	5/16 in. Hex	0.415 in.	14	1,500	24 lb.	
T3HW12212WXT	12 x 2 1/2 in.	5/16 in. Hex	0.415 in.	14	1,000	19 lb.	
T3HW12300WXT	12 x 3 in.	5/16 in. Hex	0.415 in.	14	1,000	23 lb.	
T3HW12400WXT	12 x 4 in.	5/16 in. Hex	0.415 in.	14	1,000	31 lb.	
T3HW14034WXT	14 x 3/4 in.	3/8 in. Hex	0.500 in.	14	3,000	36 lb.	
T1HW14078WXT	14 x 7/8 in.	5/16 in. Hex	0.415 in.	14	2,500	43 lb.	
T3HW14100WXT	14 x 1 in.	3/8 in. Hex	0.500 in.	14	2,500	26 lb.	
T3HW14114WXT	14 x 1 1/4 in.	3/8 in. Hex	0.500 in.	14	2,000	34 lb.	
T3HW14112WXT	14 x 1 1/2 in.	3/8 in. Hex	0.500 in.	14	2,000	38 lb.	
T3HW14200WXT	14 x 2 in.	3/8 in. Hex	0.500 in.	14	1,500	35 lb.	
T3HW14212WXT	14 x 2 1/2 in.	3/8 in. Hex	0.500 in.	14	1,000	29 lb.	
T3HW14400WXT	14 x 4 in.	3/8 in. Hex	0.500 in.	14	750	29 lb.	
T4HW12078WXT	12 x 7/8 in.	5/16 in. Hex	0.415 in.	14	3,000	32 lb.	EPDM washer, Slotted shank
T4HW12078XT	12 x 7/8 in.	5/16 in. Hex	0.415 in.	14	5,000	53 lb.	Slotted shank
T4HW12114XT	12 x 1 1/4 in.	5/16 in. Hex	0.415 in.	14	3,000	45 lb.	
T4HW12112WXT	12 x 1 1/2 in.	5/16 in. Hex	0.415 in.	14	2,000	36 lb.	EPDM washer, Slotted shank
T4HW12112XT	12 x 1 1/2 in.	5/16 in. Hex	0.415 in.	14	2,500	45 lb.	Slotted shank
T4HW12200XT	12 x 2 in.	5/16 in. Hex	0.415 in.	14	2,000	48 lb.	
T5HW12114WXT	12 x 1 1/4 in.	5/16 in. Hex	0.415 in.	14	2,500	34 lb.	EPDM washer, Slotted shank
T5HW12114XT	12 x 1 1/4 in.	5/16 in. Hex	0.415 in.	14	4,000	54 lb.	Slotted shank
T5HW12112WXT	12 x 1 1/2 in.	5/16 in. Hex	0.415 in.	14	2,000	31 lb.	EPDM washer, Slotted shank
T5HW12112XT	12 x 1 1/2 in.	5/16 in. Hex	0.415 in.	14	2,500	39 lb.	Slotted shank
T5HW12200WXT	12 x 2 in.	5/16 in. Hex	0.415 in.	14	1,500	29 lb.	EPDM washer, Slotted shank
T5HW12200XT	12 x 2 in.	5/16 in. Hex	0.415 in.	14	2,000	39 lb.	Slotted shank
T5HW12212WXT	12 x 2 1/2 in.	5/16 in. Hex	0.415 in.	14	1,000	23 lb.	EPDM washer, Slotted shank
T5HW12212XT	12 x 2 1/2 in.	5/16 in. Hex	0.415 in.	14	1,000	23 lb.	Slotted shank
T5HW12300WXT	12 x 3 in.	5/16 in. Hex	0.415 in.	14	1,000	27 lb.	EPDM washer, Slotted shank
T5HW12300XT	12 x 3 in.	5/16 in. Hex	0.415 in.	14	1,000	27 lb.	Slotted shank
T5HW14400XT	14 x 4 in.	3/8 in. Hex	0.500 in.	14	750	34 lb.	
T5HW14600XT	14 x 6 in.	3/8 in. Hex	0.500 in.	14	500	34 lb.	

Note: Product availability is subject to change without prior notice and the availability of products may differ from what is printed in literature and displayed on our website. The items listed are bulk size. Most are also available in smaller package sizes. Contact your local Grabber Branch or GrabberPro for more information.

Hex Head Driller
PS1090 USA-ENG/Rev. 8-26

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SAFETY FIRST: Wear appropriate personal protective equipment. Read applicable SDS and literature before handling and installation.

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