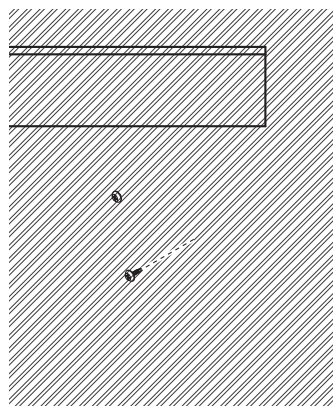
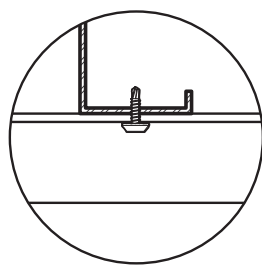


Pan Head Driller

Heavy-Gauge Steel to Heavy-Gauge Steel



Description

Heavy-gauge steel to heavy-gauge steel connections, fixtures, backup plates, and door frames.

Specifications

Size | Gauge: #6 to #10

Length: 7/16 in. to 1 1/2 in.

Head Type: Pan Head, Pan Framing Head, Low Profile Pan Head, Low Profile Pan Framing Head

Recess Type: #2 Phillips

Thread Type: Fine

Finish: Phosphate, Clear Zinc

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

- Heavy-gauge steel framing to heavy-gauge steel
- Pre-fabrication of heavy-gauge steel trusses
- Strapping to heavy-gauge steel
- Fixtures to heavy-gauge steel
- Steel studs to track
- Steel studs to door frame jamb anchor clips

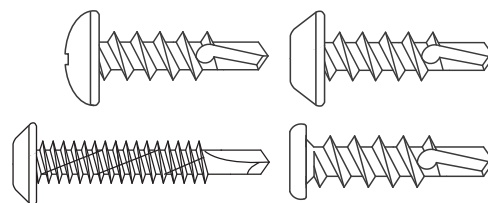
Installation

- Use a standard screw gun with a depth-sensitive nose piece. Suggested screw gun specification for optimal performance: sizes #6 to #10, up to 2,500 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.
- In the pan head family of screws, all are fully seated when the bearing surface 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

- #2 Phillips recess designed for better bit engagement, resulting in less wobble or strip-out.
- Pan head family of screws provides a flat bearing surface.
- Self-drilling point is designed for penetration into heavy-gauge steel.
- Spiral notches help reduce drive torque and remove debris during install.

SCORPION®



Phillips



Pan Head



Pan Framing Head



Low Profile Pan Framing Head



Low Profile Pan Head



Drill Point

Pan Head Driller

Heavy-Gauge Steel to Heavy-Gauge Steel

SCORPION®

Standard Corrosion Test Results

Finish	Test	Standard/Protocol	Results
Phosphate	Salt Spray	ASTM B117	24 hrs., no red rust
Clear Zinc	Salt Spray	ASTM B117	12 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
#6	20	18	0.0451 in.	79 lbs.	224 lbs.
		16	0.0566 in.	144 lbs.	315 lbs.
		14	0.0713 in.	181 lbs.	446 lbs.
		12	0.1017 in.	258 lbs.	759 lbs.
		10	0.1242 in.	315 lbs.	1,001 lbs.
#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 and 24	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.

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.

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

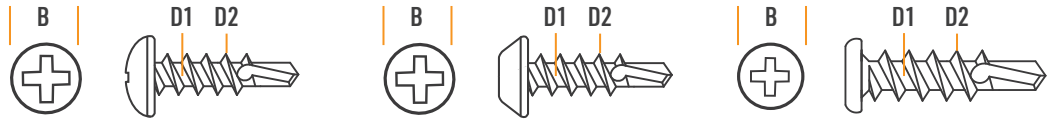
Sheet Steel Gauges

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

Pan Head Driller

Heavy-Gauge Steel to Heavy-Gauge Steel

SCORPION®



Product Dimensions

Screw Gauge	B Head Dia.	Recess	D1 Minor Dia.	D2 Major Dia.	TPI ²
#6	0.285 in.	#2 Phillips	0.098 in.	0.138 in.	20
	0.300 in.	#2 Phillips	0.098 in.	0.138 in.	20
#8	0.314 in.	#2 Phillips	0.119 in.	0.164 in.	18
#10	0.364 in.	#2 Phillips	n/a	0.190 in.	24
	0.365 in.	#2 Phillips	0.138 in.	0.190 in.	16

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

Ordering Information and Product Options

Item No.	Size	Recess	Head Dia.	TPI	Quantity	Weight	Special Features
Phosphate							
DP716	6 x 7/16 in.	#2 Phillips	0.300 in.	20	15,000	40 lb.	Pan framing head
DP716L	6 x 7/16 in.	#2 Phillips	0.285 in.	20	10,000	29 lb.	Low profile pan head
Clear Zinc							
DPZ716	6 x 7/16 in.	#2 Phillips	0.300 in.	20	15,000	40 lb.	Pan framing head
T2PP8112	8 x 1 1/2 in.	#2 Phillips	0.314 in.	18	5,000	36 lb.	Pan head
T3PP10012	10 x 1/2 in.	#2 Phillips	0.365 in.	16	10,000	41 lb.	
T3PP10034	10 x 3/4 in.	#2 Phillips	0.365 in.	16	8,000	49 lb.	
DPZ0345M	10 x 3/4 in.	#2 Phillips	0.365 in.	16	5,000	31 lb.	
DPZ058	10 x 5/8 in.	#2 Phillips	0.365 in.	16	8,000	49 lb.	
DPZ0587M	10 x 5/8 in.	#2 Phillips	0.365 in.	16	7,000	43 lb.	
DPZ058L	10 x 5/8 in.	#2 Phillips	0.364 in.	24	8,000	49 lb.	Low profile pan framing head, Spiral thread notches
T3PP10100	10 x 1 in.	#2 Phillips	0.365 in.	16	5,000	41 lb.	Pan head

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.

Pan Head Driller
PS1087 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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