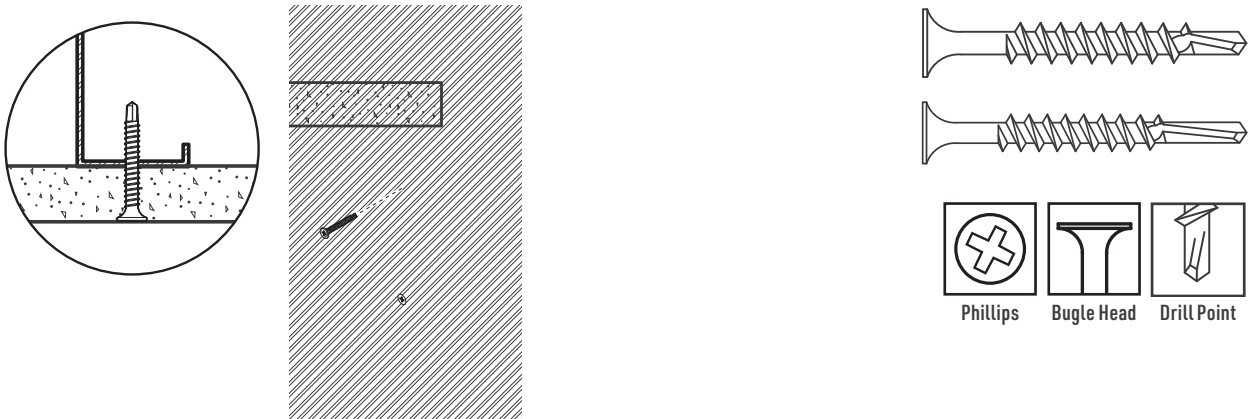


Bugle Head Driller

Gypsum Board, Sheathing, and Insulation Board to Heavy-Gauge Steel

SCORPION®



Description Attaches gypsum board, sheathing, and insulation board to heavy-gauge steel.

Specifications

Size | Gauge: #6 to #10
Length: 1 in. to 6 in.
Head Type: Bugle Head
Recess Type: #2 Phillips
Thread Type: Fine
Finish: Phosphate, 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 C954 performance requirements.

Applications

- 3/8 in., 1/2 in., and 5/8 in. single-layer gypsum board to heavy-gauge steel studs
- 1/2 in. and 5/8 in. double-layer gypsum board to heavy-gauge steel studs
- OSB and insulation board to heavy-gauge steel studs

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.
- The bugle head is fully seated when it is just beneath the surface of the gypsum board.
- 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.
- Self-drilling point is designed for penetration into heavy-gauge steel.
- The bugle head creates a smooth, professional finish.

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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
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.

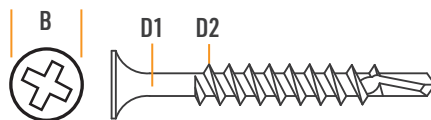
Pull-Out Test Data¹

Screw Gauge	TPI ²	Steel Gauge	Design Thickness	Tension	Shear
#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	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.

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.	Recess	D1 Minor Dia.	D2 Major Dia.	TPI ²
#6	0.325 in.	#2 Phillips	0.098 in.	0.138 in.	20
#8	0.325 in.	#2 Phillips	0.116 in.	0.164 in.	18
#10	0.343 in.	#2 Phillips	0.139 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.

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Ordering Information and Product Options

Item No.	Size	Recess	Head Dia.	TPI	Quantity	Weight	Special Features
Phosphate							
DP114	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	8,000	32 lb.	
DP158	6 x 1 5/8 in.	#2 Phillips	0.325 in.	20	5,000	25 lb.	
DP178	6 x 1 7/8 in.	#2 Phillips	0.325 in.	20	4,000	23 lb.	
DP238	8 x 2 3/8 in.	#2 Phillips	0.325 in.	18	3,000	29 lb.	
DP258	8 x 2 5/8 in.	#2 Phillips	0.325 in.	18	2,500	26 lb.	
DP300	8 x 3 in.	#2 Phillips	0.325 in.	18	2,000	24 lb.	
Clear Zinc							
DPZ100	6 x 1 in.	#2 Phillips	0.325 in.	20	10,000	33 lb.	
DPZ118	6 x 1 1/8 in.	#2 Phillips	0.325 in.	20	10,000	36 lb.	
DPZ114	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	8,000	32 lb.	
DPZ158	6 x 1 5/8 in.	#2 Phillips	0.325 in.	20	5,000	26 lb.	
DPZ178	6 x 1 7/8 in.	#2 Phillips	0.325 in.	20	4,000	23 lb.	
DPZ238	8 x 2 3/8 in.	#2 Phillips	0.325 in.	18	3,000	29 lb.	
DPZ258	8 x 2 5/8 in.	#2 Phillips	0.325 in.	18	2,500	27 lb.	
DPZ300	8 x 3 in.	#2 Phillips	0.325 in.	18	2,000	24 lb.	
DPZ312	10 x 3 1/2 in.	#2 Phillips	0.343 in.	16	1,000	19 lb.	
DPZ400	10 x 4 in.	#2 Phillips	0.343 in.	16	1,000	21 lb.	
DPZ500	10 x 5 in.	#2 Phillips	0.343 in.	16	1,000	27 lb.	
DPZ600	10 x 6 in.	#2 Phillips	0.343 in.	16	1,000	32 lb.	
NanoGard™							
DPXT114	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	8,000	39 lb.	
DPXT178	6 x 1 7/8 in.	#2 Phillips	0.325 in.	20	4,000	27 lb.	
DPXT238	8 x 2 3/8 in.	#2 Phillips	0.325 in.	18	3,000	30 lb.	
DPXT258	8 x 2 5/8 in.	#2 Phillips	0.325 in.	18	2,500	27 lb.	
DPXT300	8 x 3 in.	#2 Phillips	0.325 in.	18	2,000	25 lb.	
DPXT334	10 x 3 3/4 in.	#2 Phillips	0.343 in.	16	1,000	20 lb.	
DPXT438	10 x 4 3/8 in.	#2 Phillips	0.343 in.	16	800	19 lb.	
DPXT512	10 x 5 1/2 in.	#2 Phillips	0.343 in.	16	500	15 lb.	
T3PB811516	8 x 1 15/16 in.	#2 Phillips	0.325 in.	18	4,000	33 lb.	
T3PB102	10 x 2 in.	#2 Phillips	0.343 in.	16	3,000	33 lb.	Pilot point
T3PB10358	10 x 3 5/8 in.	#2 Phillips	0.343 in.	16	1,000	19 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.

Bugle Head Driller
PS1085 USA-ENG/Rev. 8-26

Grabber Construction Products, Inc.
3125 W. Executive Pkwy., Suite 200
Lehi, UT 84048

(800) 477-8876 | GrabberPro.com

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