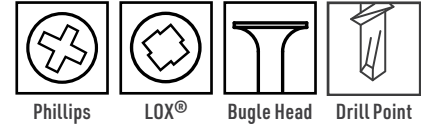
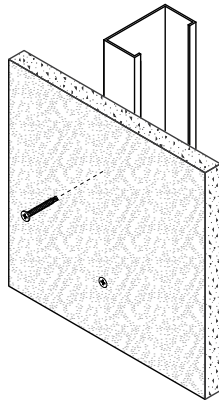
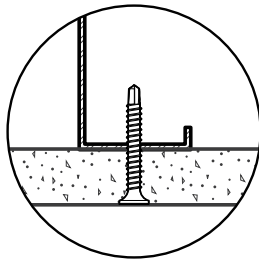


Bugle Head Driller - Interior

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

GRABBER®
CONSTRUCTION PRODUCTS



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

Specifications

Size | Gauge: #6 to #10
Length: 1 in. to 5 in.
Head Type: Bugle Head
Recess Type: #2 Phillips, #2 LOX®
Thread Type: Fine, Single Lead
Finish: Clear Zinc, Phosphate

Quality Assurance: Grabber® fasteners are manufactured in ISO 9001 and ISO 14001 certified and approved factories.
LEED Reporting: The post-consumer recycled steel content is 25%.
Compliance: The fasteners comply with ASTM C954 and C1513 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

- LOX® recess is designed for high-torque applications and will not strip out like most other recesses.
- Self-tapping drill point is designed for penetration into heavy-gauge steel.
- The bugle head creates a smooth, professional finish.
- Consistently formed extra-sharp drill point starts and drills easily into heavy-gauge steel.

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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

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.

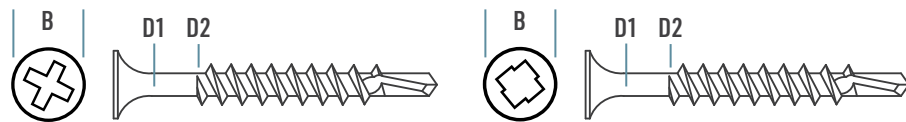
Pull-Out Test Data¹

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	0.321 in.	#2 Phillips	0.098 in.	0.138 in.	20
#8	0.321 in.	#2 Phillips	0.116 in.	0.164 in.	18
	0.325 in.	#2 LOX [®]	0.116 in.	0.164 in.	18
#10	0.343 in.	#2 Phillips	0.132 in.	0.190 in.	16
	0.343 in.	#2 LOX [®]	0.132 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.

Bugle Head Driller - Interior

Gypsum Board, Sheathing, and
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Ordering Information and Product Options

Item No.	Size	Recess	Head Diameter	TPI	Quantity	Weight	Special Features
Phosphate							
13	6 x 1 in.	#2 Phillips	0.325 in.	20	10,000	35 lb.	Fully threaded
14	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	8,000	33 lb.	
15	6 x 1 5/8 in.	#2 Phillips	0.325 in.	20	5,000	26 lb.	
16	6 x 1 7/8 in.	#2 Phillips	0.325 in.	20	4,000	24 lb.	
C14	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	1,000	5 lb.	Collated, Fully threaded
C16	6 x 1 7/8 in.	#2 Phillips	0.325 in.	20	1,000	5 lb.	
Clear Zinc							
B10350SDZ	10 x 3 1/2 in.	#2 Phillips	0.343 in.	16	1,000	19 lb.	Fully threaded
B10400SDZ	10 x 4 in.	#2 Phillips	0.343 in.	16	1,000	21 lb.	
B10500SDZ	10 x 5 in.	#2 Phillips	0.343 in.	16	1,000	26 lb.	
B10350SDL2Z	10 x 3 1/2 in.	#2 LOX®	0.343 in.	16	1,000	19 lb.	
B10400SDL2Z	10 x 4 in.	#2 LOX®	0.343 in.	16	1,000	21 lb.	
B10500SDL2Z	10 x 5 in.	#2 LOX®	0.343 in.	16	1,000	26 lb.	
B10300SDZ	10 x 3 in.	#2 Phillips	0.343 in.	16	1,000	17 lb.	
13Z	6 x 1 in.	#2 Phillips	0.325 in.	20	10,000	35 lb.	
14Z	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	8,000	33 lb.	
15Z	6 x 1 5/8 in.	#2 Phillips	0.325 in.	20	5,000	26 lb.	
30SZ	8 x 2 3/8 in.	#2 Phillips	0.325 in.	18	3,000	30 lb.	
30MZ	8 x 2 5/8 in.	#2 Phillips	0.325 in.	18	2,000	22 lb.	
30SZL2	8 x 2 3/8 in.	#2 LOX®	0.325 in.	18	3,000	30 lb.	
30MZL2	8 x 2 5/8 in.	#2 LOX®	0.325 in.	18	2,000	22 lb.	
30LZ	8 x 3 in.	#2 Phillips	0.325 in.	18	2,000	25 lb.	
30LZL2	8 x 3 in.	#2 LOX®	0.325 in.	18	2,000	25 lb.	
14Z8LOX	8 x 1 1/4 in.	#2 LOX®	0.325 in.	18	6,000	32 lb.	Fully threaded
C14Z	6 x 1 1/4 in.	#2 Phillips	0.325 in.	20	1,000	5 lb.	Collated, Fully threaded
C15Z	6 x 1 5/8 in.	#2 Phillips	0.325 in.	20	1,000	5 lb.	Collated
C30SZ	8 x 2 3/8 in.	#2 Phillips	0.325 in.	18	1,000	5 lb.	
C30SZL2	8 x 2 3/8 in.	#2 LOX®	0.325 in.	18	1,000	5 lb.	
C30MZL2	8 x 2 5/8 in.	#2 LOX®	0.325 in.	18	1,000	5 lb.	Collated, Fully threaded
C14Z8LOX	8 x 1 1/4 in.	#2 LOX®	0.325 in.	18	1,000	5 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 such as 5 lb. and 1 lb. Contact your local Grabber Branch or GrabberPro for more information.

Bugle Head Driller - Interior
PS1002 USA-ENG/Rev. 02-25

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