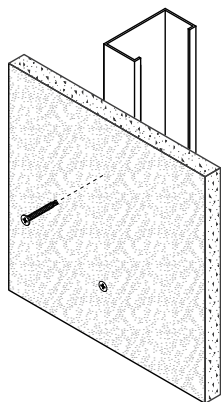
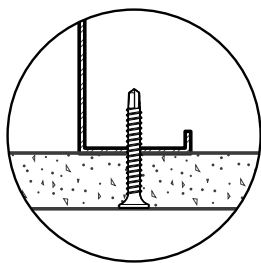


Bugle Head Driller - Interior

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

GRABBER®
CONSTRUCTION PRODUCTS



Phillips



LOX®



Bugle Head



Drill Point

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.

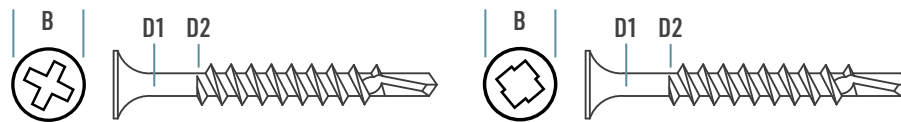
**Pull-Out Test
Data¹**

| Screw Gauge | TPI² | 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. | TPI² |
|-------------|-------------|-------------|---------------|---------------|------|
| #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 Insulation Board to Heavy-Gauge Steel

GRABBER®
CONSTRUCTION PRODUCTS

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. | |
| 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. | Fully threaded |
| 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. | |
| C30SZ | 8 x 2 3/8 in. | #2 Phillips | 0.325 in. | 18 | 1,000 | 5 lb. | Collated |
| 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. | |
| C14Z8LOX | 8 x 1 1/4 in. | #2 LOX® | 0.325 in. | 18 | 1,000 | 5 lb. | Collated, Fully threaded |

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

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