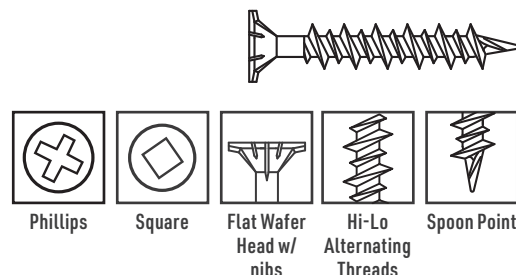
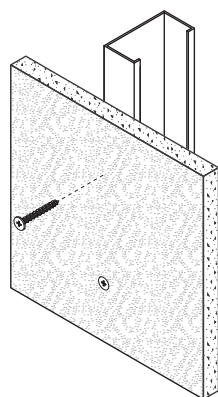
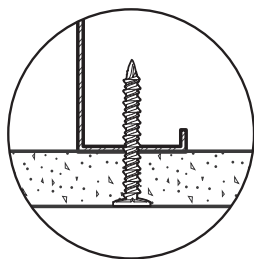


# Flat Wafer Head, Hi-Lo Thread

## Cement Board to Light-Gauge Steel or Wood

# SCORPION®



**Description** Attaches cement board to light-gauge steel or wood.

### Specifications

**Size | Gauge:** #8 and #10  
**Length:** 1 1/4 in. to 2 1/4 in.  
**Head Type:** Flat Wafer Head  
**Recess Type:** #2 Phillips, #2 Square  
**Thread Type:** Hi-Lo Alternating  
**Finish:** NanoGard™

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

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

### Applications

- Cement board to light-gauge steel or wood
- High-density board to light-gauge steel or wood
- Tile backers to light-gauge steel or wood

### 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 4,000 RPM.
- The screw head is fully seated when it is flush with the surface of the material.
- The fastener must penetrate beyond the steel a minimum of 1/4 in., according to ANSI A108.11.
- Minimum penetration in wood framing should be 3/4 in., in accordance with ANSI A108.11.
- Overdriving may result in failure of the fastener.

### Features

- #2 Phillips recess designed for better bit engagement, resulting in less wobble or strip-out.
- The #2 Square recess is designed for secure bit engagement in wood or light-gauge steel applications.
- This wafer head design provides for a larger load-bearing surface and better holding power.
- Underhead nibs ensure flush countersinking.
- Hi-Lo Alternating threads reduce torque and increase holding power.
- NanoGard™ finish is compatible with many types of pressure- and preservative-treated wood applications.

# Flat Wafer Head, Hi-Lo Thread

## Cement Board to Light-Gauge Steel or Wood

# SCORPION®

### Standard Corrosion Test Results

| Finish    | Test       | Standard/Protocol | Results                 |
|-----------|------------|-------------------|-------------------------|
| 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 | TPI²     | Steel Gauge | Design Thickness | Tension | Shear    |
|-------------|----------|-------------|------------------|---------|----------|
| #8          | 16 Hi-Lo | 25          | 0.0188 in.       | 39 lbs. | 66 lbs.  |
|             |          | 20          | 0.0346 in.       | 72 lbs. | 164 lbs. |
| #10         | 14 Hi-Lo | 25          | 0.0188 in.       | 46 lbs. | 71 lbs.  |
|             |          | 20          | 0.0346 in.       | 84 lbs. | 177 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             |



### Product Dimensions

| Screw Gauge | B Head Dia. | Recess      | D1 Hi Thread Major Dia. | D2 Lo Thread Major Dia. | TPI²     |
|-------------|-------------|-------------|-------------------------|-------------------------|----------|
| #8          | 0.400 in.   | #2 Phillips | 0.164 in.               | 0.148 in.               | 16 Hi-Lo |
| #10         | 0.354 in.   | #2 Square   | 0.190 in.               | 0.159 in.               | 14 Hi-Lo |

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 |
|------------------|----------------|-------------|-----------|----------|----------|--------|------------------|
| <b>NanoGard™</b> |                |             |           |          |          |        |                  |
| INSP114          | 8 x 1 1/4 in.  | #2 Phillips | 0.400 in. | 16 Hi-Lo | 5,000    | 30 lb. |                  |
| INSP158          | 8 x 1 5/8 in.  | #2 Phillips | 0.400 in. | 16 Hi-Lo | 4,000    | 29 lb. |                  |
| INSP214          | 8 x 2 1/4 in.  | #2 Phillips | 0.400 in. | 16 Hi-Lo | 2,500    | 27 lb. |                  |
| BBSP114          | 10 x 1 1/4 in. | #2 Square   | 0.354 in. | 14 Hi-Lo | 5,000    | 31 lb. |                  |
| BBSP158          | 10 x 1 5/8 in. | #2 Square   | 0.354 in. | 14 Hi-Lo | 4,000    | 30 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.

Flat Wafer Head, Hi-Lo Thread  
PS1084 USA-ENG/Rev. 8-26

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Lehi, UT 84048

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

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