

**GRABBER**<sup>®</sup>  
CONSTRUCTION PRODUCTS

**Product Specification Manual**



**2015**

**"The Professional's Choice"<sup>™</sup>**

## SERVING THE WORLDWIDE CONSTRUCTION INDUSTRY FOR OVER FORTY YEARS

- ▶ Premium Quality Fasteners
- ▶ Innovative Tools, Products, and Building Materials
- ▶ Superior Customer Service

GRABBER Construction Products, Inc., is an international distributor of premium quality fasteners and fastening systems for use in drywall, wood, and steel applications in the commercial and residential construction markets. GRABBER also distributes a large range of proprietary tools, accessories, and building materials to the drywall construction industry.

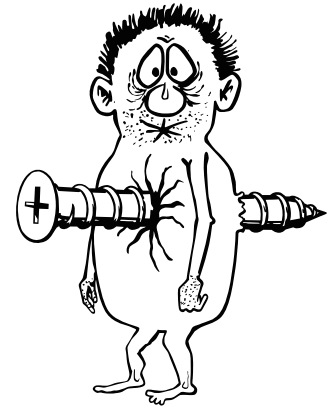
GRABBER serves these industries from sales and distribution centers throughout the United States and Canada. GRABBER's international market includes Mexico, South America, Europe, Scandinavia, Asia, Australia, New Zealand, and the Middle East.

### GRABBER® COMMITMENT

1. Treat our customers and vendors with respect
2. Provide consistent value in our products and services
3. Help our customers and vendors build their businesses
4. Bring integrity and ethics to all our business relations



1967 to 2015



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280X	Woodys Flat Head Ribbed Screws, Square Drive with GRABBERGARD®	Professional wood screw for interior and exterior applications	50
281	Woodys Flat Head Ribbed Screws, LOX® Drive	LOX® wood screws are perfect for any exterior project, decks, fences, siding, lattice, docks and more	52
281X	Flat Head Ribbed Screws, LOX® Drive	LOX® wood screws are perfect for any exterior project, decks, fences, siding, lattice	54
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240	Bugle Head DRIVALL®	Self drilling screws used to attach drywall to heavy gauge metal 14-20 gauge.	85
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242	Trim Head DRIVALL® Self Drilling	Self drilling screws for attaching wood trim over gypsum board to 14 – 20 gauge steel	91
244	Pan Framing Head DRIVALL® Self Drilling	Self drilling screws for attaching fixtures, backup plates, and door frames to 14 – 20 gauge steel, or any other heavy gauge metal-to-metal applications	93
246	Hex Head DRIVALL®	Self Drilling Self drilling screws for attaching fixtures, backup plates, and door frames to 12 – 20 gauge structural studs, metal decks, and trusses	95
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252	Thin Wafer Head DRIVALL® Winged	Self drilling screws for attaching plywood to heavy gauge metal	104
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258	Pan Head DRIVALL®	Self drilling screws for attaching fixtures, backup plates, and door frames to 14 – 20 gauge steel, or any other heavy gauge metal-to-metal applications	109
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**STAINLESS STEEL** Fasteners

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230SS	Bugle Head GRABBER® Stainless Steel	Self tapping stainless steel fasteners for attaching wood or drywall to wood	120
283SS	LOX® Stainless Steel 316 Wood Screws	Featuring LOX® advanced driver system engineered for high-torque applications. LOX® grabs hard and sinks even harder, giving you positive joint reliability with predictable results every time.	122
286	AnyDeck Stainless Steel Composite Screws, LOX®	Designed and engineered to work with all types of composite materials where surface mounted fasteners are recommended	124
330	Flat Head Coarse, 316 Stainless T-17 Point, LOX®	Stainless steel LOX® wood screws for any Exterior Project, Decks, fences, Siding, Lattice, Docks & More	126
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DM105	Deckmaster® Deck Board Screws	For fastening Deckmaster® brackets to deck boards	132
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290	GRABBER® HardiBoard®	Winged Driller Designed for cementitious board such as Hardi, Durock and others.	140
333	Oval Head STREAKER®		



## PRODUCT MANUFACTURING, TESTING AND CERTIFICATION

All GRABBER® fasteners are manufactured from steel wire conforming to ASTM A 548, Grade 1013 to 1022, and in facilities that are ISO 9002 and ISO 14001 approved and certified. The product test results included in this catalogue were obtained under controlled conditions in independent, certified testing laboratories. The data provided are ultimate average values. Design loads should be calculated by a qualified design professional.

### DEFINITIONS

ASTM - American Society of Testing Materials

ICCFS - International Conference of Building Officials

ISO - International Standards Organization

Shear Strength - Measure of the force that when applied at a right angle, will break a fastener.

Pull-out Resistance - Amount of force required to pull a fastener out of a specified thickness of wood or steel.

Ultimate Load - A load that during a controlled test, produced complete failure of the fastener.

Salt Spray Test - A common testing method to determine the corrosion resistance of plating and finishes. Fasteners and materials to be tested are placed in a fog chamber with an atmospheric mixture of water and sodium chloride that is maintained at 100% humidity. Test results are expressed in hours of exposure without evidence of normal corrosion. Tests are conducted in accordance to ASTM B117.

Kesternich Test - A test of the corrosion resistance of materials and fasteners which involves repeated condensation and drying cycles. GRABBER® fasteners submitted for Kesternich tests are maintained at 18° C to 28° C and 75% humidity for 16 hours, after being exposed to a contained sulfur dioxide atmosphere at 40° C and 100% humidity for 8 hours. Test results are expressed in the number of cycles of exposure completed without evidence of normal corrosion.

### DESCRIPTIONS

GRABBER® Fasteners - Coarse thread screws with super-sharp points, designed for drywall to wood and wood-to-wood applications.

STREAKER® Fasteners - Self-tapping screws with a unique thread, and a hardened, extra-sharp 23° point that allows direct penetration of 20 to 25 gauge steel.

Winged Fasteners - Used to attach plywood or particle board to 12-16 gauge steel. The wings bore a hole in the wood greater in diameter than the major diameter of the screw. As the point of the fastener enters the metal, the wings are broken off, allowing the fastener to tap into the metal.

Pilot Point - A self drilling screw with an unthreaded portion of the shank between the point and the threads. Designed to attach wood or plywood to 14-20 gauge steel.

DRIVALL® - GRABBER® line of self drilling screws for use with 12-20 gauge steel.

Self Drilling Screws - Fasteners with a point capable of drilling into medium to heavy 12–20 gauge steel. Drill points are classified as #1 through #5, with a #5 point being capable of penetrating thicker gauge metals. GRABBER® manufactures fasteners with #2, #3, and #4 points.

Self Tapping Screws - A fastener that can tap its own threads. All GRABBER® drywall screws are self tapping.

### FASTENER POINTS

Auger Point - A knurled thread used to ream out material to reduce driving torque in hard materials.

GRABBER® Point - Coarse thread screws with super-sharp points, designed for wood-to-wood applications.

Pilot Point - A self drilling point with an unthreaded portion of the shank between the point and the threads, designed to attach wood or plywood to medium gauge metal.

Type 17 Point - A screw slotted at the point (shank slotted) to aid in drilling and displacing hard materials.

STREAKER® Point - Piercing sharp pointed gypsum board screw for metal studs. The STREAKER® has an especially sharp point having multiple threads occurring within the other in the body portion of the screw. In the tapered portion of the screw, one of the threads gradually decreases in diameter and fades into the tapered portion of the shank and terminates. The other thread continues on toward the point end, decreases in diameter and fades into the tapered portion of the shank at a point nearer the pointed end of the screw.

Winged Point - Used to attach plywood or particle board to medium or heavy gauge steel. The wings bore a hole in the wood greater in diameter than the major diameter of the screw. As the point of the fastener enters the metal, the wings are broken off, allowing the fastener to tap into metal.

QuickGrab Point - The QuickGrab point is an extra sharp point that helps the screw start faster. GRABBER's exclusive QuickGrab™ point ensures screws start quicker and drive faster.

## **PRODUCT MANUFACTURING, TESTING AND CERTIFICATION**

### **FASTENER HEADS**

Bugle Head - Designed to seat fast and easily into wood or drywall.

Scavenger Head - Designed to eliminate paper burrs in drywall with a secondary ring under the normal Bugle head design. This double head effectively reduces paper burns for a cleaner finish.

Trim Head - Narrow head for finishing applications.

Pan Head - High torque head for metal-to-metal applications.

Wafer Head - Low profile head for wood, lath, and metal-to-metal applications.

Hex Head - High torque head for metal-to-metal applications.

### **FASTENER DRIVES**

Phillips Recess - Standard recess for a pointed, cross-shaped driver.

Square Recess - Four-sided recess.

LOX® Drive - A "stick fit", high torque recess that eliminates the need for a magnetic bit holder.

### **FASTENER DRIVES**

Phillips Recess - Standard recess for a pointed, cross-shaped driver.

Square Recess - Four-sided recess.

LOX® Drive - A "stick fit", high torque recess that eliminates the need for a magnetic bit holder.

### **FINISHES**

Yellow Zinc - A yellow/gold plating used on fasteners designed for interior applications when appearance is a concern, such as in cabinet installation.

Gray Phosphate - Common gray colored plating for drywall screws.

Clear Zinc - A silver-colored plating that inhibits rust, usually used on fasteners for lath to steel and steel to steel applications.

GRABBERGARD® - A specially formulated plating for corrosion protection on exterior grade fasteners.

### **WARRANTY**

GRABBER® warrants its products conform to GRABBER's published specifications. The user shall determine the suitability of the product for their particular application.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE NOT EXPRESSLY SET FORTH HEREIN.

GRABBER® and any seller's liability for damage hereunder shall not exceed the purchase price of the product. IN NO EVENT SHALL MANUFACTURER OR SELLER BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PRODUCT BY BUYER, BUYER'S USER, OR ANY OTHER PERSON. Notification of any claim must be sent in writing to GRABBER®. The notice should contain a statement as to how the product failed to meet our warranty, the proof of purchase, and the amount of refund claimed.

# Ultimate Value Chart

## WIRE TENSILE STRENGTH

Subject: WIRE TENSILE STRENGTH TEST REPORT

GA. #	WIRE DIA.	TENSILE STRENGTH(kg/mm <sup>2</sup> )	STRENGTH(kg/mm <sup>2</sup> )
#6	2.7mm	46.57	266.66
	2.7mm	46.74	267.64
	2.7mm	46.06	263.72
#6	2.8mm	44.26	272.54
	2.8mm	49.51	304.90
	2.8mm	51.58	317.64
#8	3.2mm	45.27	387.25
	3.2mm	46.20	371.56
	3.2mm	48.15	387.25
#8	3.3mm	48.25	412.74
	3.3mm	48.14	411.76
	3.3mm	48.94	418.62
#10	3.8mm	48.15	546.07
	3.8mm	47.97	544.11
	3.8mm	47.80	542.15
#12	4.4mm	45.32	689.21
	4.4mm	50.48	767.64
	4.4mm	47.64	724.50
#12	5.1mm	47.64	943.10
	5.1mm	46.12	942.15
	5.1mm	47.35	938.25

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## CORROSION PROTECTION STANDARDS

Question - What are the standards for "corrosion protection"?

Question - When can staining occur?

Corrosion protection is an area of significant consumer confusion. Plating screws to protect the base metal is a difficult science. The concept is simple: typically construction grade screw fasteners are made of carbon steel wire. Carbon wire rusts when exposed to the elements. Corrosion is defined as the "destructive alteration of metal by chemical or electrochemical reaction within its environment, which encompasses not only atmospheric exposure by all interacting conditions associated with the application. The severest form is direct chemical attack, while the electrochemical in nature is slower, but just as damaging." International Fastener Institute.

There are two major way of protecting your fastener from corrosion: 1-choose a metal that is not susceptible to corrosion: gold, platinum, stainless steel. The obvious draw backs are cost and engineering suitability. 2-Coat the base metal to separate it from the corroding chemical or environment.

Coatings are rated by the ASTM B117 salt spray method. Coatings are designed to withstand "x" amount of hour exposure in a controlled testing chamber at 95 degree temperature and a 5% salt spray environment.

GRABBER® provides a full range of fasteners for both interior and exterior use. GRABBER® interior screws are plated with zinc phosphate to meet ASTM specifications of 24-96 hour salt spray for internal use. The United States standard is 24 hour, the German Standard is 48 hours, and the Scandinavian Standard is 96 hours.

GRABBER® exterior grade screws are coated with the proprietary GRABBERGARD® coating (comprised of several layers of zinc coating with a final coating of a chemical composition including: resin, pigment, aluminum powder, and filler. GRABBERGARD® Premium quality exterior screws are manufactured to withstand 1000 hours in the ASTM B117 test environment.

In specific response to your question: can staining occur? Yes, it may occur. The chemicals in the wood itself do at times produce a staining. Painting with an oil based paint will help, as the paint acts as a further sealant against the elements and reduces chance for oxidization. We placed our disclaimer on the box, as it is our experience that a chance for staining is never completely eliminated with a coated fastener.

You could consider a stainless steel screw and better reduce your risk of staining. However, our experience is that while GRABBERGARD® and

Stainless will not corrode and weaken your fastening, staining between the dissimilar materials can and does appear. Your application is a tough one. Fence applications allow for moisture to collect around the screw heads and then gravity works to have the water drip down the face of the board. Any chemical reaction can result in wood discoloration.

GRABBER® is committed to providing industry recognized professional grade fasteners and equally committed to raising consumer awareness relative to application engineering of construction fasteners.

Please call or email with any questions. I appreciate the importance of your decision. We thank you for considering GRABBER® and wish you the best on your upcoming project. You can contact us toll free at 1-800 477-8876.

## STANDARD CORROSION TEST RESULTS

FINISH	TEST	STANDARD RESULTS	PROTOCAOL
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, no red rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
Dracrotized	Salt Spray Results	ASTM B117	500 hours, no red rust
GRABBERGARD®	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD®	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust
304 Stainless Steel	Salt Spray Results	ASTM B117	1,000 hours, no red rust
316 Stainless Steel	Salt Spray Results	ASTM B117	1,500 hours, no red rust

All GRABBER® corrosive coatings listed:

Meet or exceed the corrosion resistance criterion as described in ASTM B633-98. Section 7.4

Type III 12 hours

When testing is performed as outlined in ASTM B117 "practice for operating salt spray (Fog) apparatus"



## **GALVANIC REACTION CHART**

Subject: Aluminum Fastened with ZN or GRABBERGARD® Coated Screws

Below is copy of a galvanic chart ranking the dissimilar metals anodic to cathodic.

The farther apart the metals are from each other on this chart the more severe the galvanic activity, i.e. The contact of Magnesium and Platinum would result in the greatest galvanic action, the contact of tin and lead would result in little galvanic action.

The Cathodic attacks the Anodic. The greater the distance on the chart, the more current generated.

It should be noted that Galvanic action does not always translate into increased or accelerated corrosion, but that if sacrificial plating is incorporated in the fastener design, then galvanic action can accelerate the deterioration of the sacrificial coating. With the close proximity of the Aluminum, (Note that even different grades of Aluminum will generate galvanic action) to zinc we would anticipate mild galvanic activity. We would

advise that the suggested fasteners for this type of application would incorporate our GRABBERGARD® coating which utilizes both barrier and sacrificial coatings to minimize the chance and/or rate of corrosion. The barrier coating used to encapsulate our zinc and anti corrosion chemical bonding agents minimize the opportunity for contact to occur between the iron substrate of the fastener and the materials being fastened.

### **The rate at which corrosion takes place is determined by:**

- ▶ The distance separating the metals on the galvanic series chart
- ▶ The temperature and concentration of the electrolyte. The higher the temperature, the faster it happens. Any stray electrical currents in the electrolyte will increase the corrosion also.
- ▶ The relative size of the metal pieces. A large cross section piece will not be affected as much as a smaller one.

# GALVANIC REACTION CHART

## G001. GALVANIC CHART

### CORRODED END (ANODIC OR LEAST NOBLE)

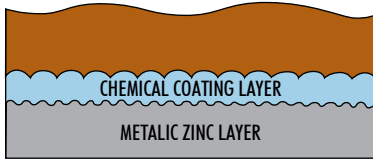
MAGNESIUM  
MAGNESIUM ALLOYS  
ZINC  
ALUMINUM 5052, 3004, 3003, 1100, 6053  
CADMIUM  
ALUMINUM 2117, 2017, 2024  
MILD STEEL (1018), WROUGHT IRON  
CAST IRON, LOW ALLOY HIGH STRENGTH STEEL  
CHROME IRON (ACTIVE)  
STAINLESS STEEL, 430 SERIES (ACTIVE)  
302, 303, 304, 321, 347, 410, 416, STAINLESS STEEL (ACTIVE)  
NI - RESIST  
316, 317, STAINLESS STEEL (ACTIVE)  
CARPENTER 20 CB-3 STAINLESS (ACTIVE)  
ALUMINUM BRONZE (CA 687)  
HASTELLOY C (ACTIVE) INCONEL 625 (ACTIVE) TITANIUM (ACTIVE)  
LEAD - TIN SOLDERS  
LEAD  
TIN  
INCONEL 600 (ACTIVE)  
NICKEL (ACTIVE)  
60 NI-15 CR (ACTIVE)  
80 NI-20 CR (ACTIVE)  
HASTELLOY B (ACTIVE)  
BRASSES  
COPPER (CA102)  
MANGANESE BRONZE (CA 675), TIN BRONZE (CA903, 905)  
SILICON BRONZE  
NICKEL SILVER  
COPPER - NICKEL ALLOY 90-10  
COPPER - NICKEL ALLOY 80-20  
430 STAINLESS STEEL  
NICKEL, ALUMINUM, BRONZE (CA 630, 632)  
MONEL 400, K500  
SILVER SOLDER  
NICKEL (PASSIVE)

60 NI- 15 CR (PASSIVE)  
INCONEL 600 (PASSIVE)  
80 NI- 20 CR (PASSIVE)  
CHROME IRON (PASSIVE)  
302, 303, 304, 321, 347, STAINLESS STEEL (PASSIVE)  
316, 317, STAINLESS STEEL (PASSIVE)  
CARPENTER 20 CB-3 STAINLESS (PASSIVE), INCOLOY 825  
NICKEL - MOLYBDEUM - CHROMIUM - IRON ALLOY (PASSIVE)  
SILVER  
TITANIUM (PASS.) HASTELLOY C & C276 (PASSIVE), INCONEL 625(PASS.)  
GRAPHITE  
ZIRCONIUM  
GOLD  
PLATINUM

### PROTECTED END (CATHODIC OR MOST NOBLE)

# GRABBERGARD® Exterior All-Weather Screws

GrabberGard's  
UNIQUE FINISH



All GRABBERGARD® Screws are compliant with:



GRABBERGARD® exterior screws provide superior protection from rust and corrosion. GRABBERGARD® withstands destructive elements like salt water, chemicals, acid rain, sunlight and industrial pollutants.

Use GRABBERGARD® screws for:

- ▶ Decks
- ▶ Siding
- ▶ Barns
- ▶ Metal buildings
- ▶ Gutters, downspouts
- ▶ Gazebos
- ▶ Many more exterior applications

Relevant MicroPro information:

MicroPro™ technology offers many benefits including significantly improved corrosion performance. Smart Sense™ pressure treated wood with MicroPro technology exhibits corrosion rates on metal products similar to CCA pressure treated wood and untreated wood.

GRABBERGARD® proves superior in these independent tests:

After 15 cycles of Ksternich testing. . .

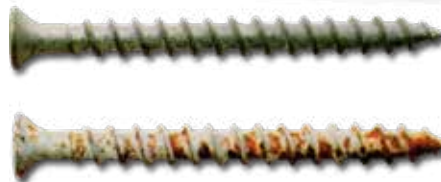
GRABBERGARD®      GRABBERGARD®



**Dacrotize Finish      Stainless Steel 410**

After 500 hours of salt spray testing. . .

GRABBERGARD®



**Yellow Zinc Dicromate**

GRABBER Construction Screws go in fast and hold tight. No more popped nails.

Note: Staining may occur when using fresh cut timber including Cedar & Redwood. Exceeds 1000-hour salt spray test under ASTM B117 Method

**For Drywall to Pressure Treated**

GRABBERGARD® Bugle Head Coarse Exterior Screws include #2 Phillips drive bit tips. Screw sizes available include 6x1, 6x1¼, 6x1 5/8, 7x2, 7x2¼, 8x2½, 8x3, 10x3½, 10x4

**For Wood to Pressure Treated**

LOX Flat Head and Trim Head Coarse Exterior Screws include free #2 LOX drive bit tips.

Item numbers ending in RG are GRABBERGARD® and are available in a variety sizes and colors.

# Rust Never Sleeps

PLATINGS & COATINGS CHART							
PROPERTIES	TYPE	PHOSPATING	ZINC CROMATING	DACROTIZING	HOT DIPPING	GrabberGard®	STAINLESS STEEL
	BASE	PHOSPHATE CONVERSION	ELECTROPLATED ZINC	HOT DIPPED ZINC COATING	ELECTROPLATED ZINC		<p>Superior in composition, stainless steel is a formulation of alloys, not base metal with coatings applied by dipping, electroplating, or peening.</p> <p>These alloy formulations come together to provide specific properties and degrees of corrosion resistance as they relate to screw applications.</p> <p>For example, the 302 to 316 series is a formulation that includes nickel and chromium for superior resistance to common corrosion such as constant water exposure or the high levels of tannic acid in cedar and redwood.</p> <p>(316 is formulated with molybdenum for superior corrosion resistance in areas of high salt water and/or acid rain exposure concentrations.) They are also non-magnetic.</p> <p>410 grade sacrifices a bit of corrosion resistance for strength and is used for self drilling screw applications.</p>
	SUPPLEMENT	RUST PREVENTION OIL	Cr6+ (0.2u)	+ AlnCr203mCr03	N/A	CHEMICAL CONVERSION & COATING	
SALT SPRAY TEST (ASTM B117)	12, 24, 48, 96 Hour	24, 48, 72, Hour	120 Hour	240 Hour	1000 Hours		
KESTERNICH TEST (DIN 50018 SFW02S)	2 Cycle	2 Cycle	3 Cycle	5 Cycle	15 Cycle		
HEAT RESISTANCE (JIS K54007.1)	150 deg. C X 2H	70 deg. C X 1H	250 deg. C X 7H	250 deg. C X 7H	250 deg. C X 7H		
ACID RESISTANCE (5% HYDROCHLORIC ACID)	Basic Metal Soluable < 5 Min.	Decoating in Less than 1 Min.	Decoating in Less than 1 Min.	Decoating in Less than 5 Min.	No Change in 24M		
ALKALI RESISTANCE (3% SODIUM HYCLORIDE)	24H	24H	24H	48H	72H		
WETHERING TEST (JIS K54007.6.17)	Red Rust in 500H	White Rust in 500H	Decoloring in 500H	White Rust in 500H	No Change in 500H		
GALVANIC CORROSION	Heavy	Heavy	Heavy	Heavy	Least		
ADHESION (PULL OF TAPE)	Weak	Chromate Film is Weak	Weak	Strong	Very Strong		
COVERING POWDER	Red Dust Soon	Acid Apt to Remain Inside Recess	Hard to Coat Inside Recess	Hard to Apply Thin Coat Properly	No Problem		
DEFECTS THAT COULD OCCUR TO METAL	Least	Softens Hardness	Softens Hardness	Softens Hardness	Least		
ENVIRONMENTAL CONCERNS	Need Facilities for Effluent Treatment	Need Facilities for Chromic Acid Waste & Effluent Treatment	Need Device for Exhausting Gases	Need Device for pH Adjustment	No Effluent		
REMARKS	Suitable for Short Term Corrosion Resistance	Extra Chromating Process After Hydrogen Embittlement Prevention Treatment	Unsuitable with Hardened Parts Could Soften Hardness. Stoving is 300 deg. C. Lower Temp. Will be Less Anti-Corrosive	Unsuitable with Hardened Parts Could Soften Hardness.	Backing at 150-200 deg. C Prevents Hydrogen Embittlement		
SIMPLIFIED ILLUSTRATION						Chromium, Manganese,	
					GrabberGard®	Molybdenum, Nickel,	
	OIL	CHROMATE			CHROMATE CHEMICAL CONVERSION	Silicon, Phosphorus,	
	Zn(Mn) Phos.	Zn	N Zn nCr203mCr03	Zn	Zn	Sulphur,	
BASIS METAL	BASIS METAL	BASIS METAL	BASIS METAL	BASIS METAL	BASIS METAL	Iron, Carbon	



## SCREW RUST & CORROSION RESISTANCE

**What Really is Corrosion?** In laymens terms, corrosion is the deterioration of metal by either chemical or electrochemical reaction with our environment. That includes everything from acid rain, to proximity to salt water, to tannins in wood. Just a few reasons why rust (corrosion) never sleeps!

**Electrochemical Reaction** - When metals with different electrical potentials contact each other in the presence of an electrolyte ( That being fog, dew, humidity, or water.)

**Galvanic Corrosion** - Occurs with non-compatible metals contact each other in the presence of an electrolyte ( water, fog, etc.)

**Plating Thickness:** The service life of a fastener is usually proportional to the thickness of the plating. Thicker plating, longer life (resistance to corrosion).

**Plating Metals** - Zinc, Chromate and Aluminium are common. Cadmium is no longer used in the United States because of environmental issues.

**What's Plating and Coating?** Taking a base metal and depositing a protective metal shell by either electroplating, hot dipping or mechanically depositing metal. (Passivation is a cleaning process for stainless steel by which the fastener is immersed in a nitric acid/ water bath to eliminate foreign matter.)

**Electroplating** - Current is applied to a water based chemical compound. This "attaches" the chemical to the submerged base metal. Thickness range from commercial grades of .000015 to .00005 inches. Thicker platings are generally economically impractical

**Hot Dip Galvanizing** - Carbon steel is submerged in a molten zinc "bath" at 959 degrees. Viola! The zinc alloy bonds to the base metal. HDG produces very thick coatings. .0021 is standard. Heavier coatings can be spec'd to .0034

**Mechanical Plating** - Glass beads, coated with plating material, tumble against base metal and physically "cold weld" plating to base metal. Platings are comparable in thickness to HDG products.

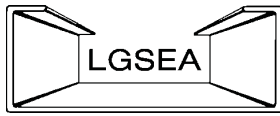
**The Real Deal on Stainless Steel**  
**Stainless Steels** is a family of ferrous alloys that include iron, carbon, chromium, molybdenum and nickel. (nickel being the most important.) The key to stainless is its ability to form a thin oxide "film" or protective skin on its surface. This film prevents oxidation, and in the right formulations, hold out rust and corrosion far longer.

**Austenitic Stainless** - The 18-8 and 300 series stainless, Non-heat treatable and non-magnetic, comprised of 18% chromium and 8% nickel. The best for corrosion resistance.

**Ferritic Stainless** - Magnetic iron - chromium magnetic alloys. Non-heat treatable Used for high temperature applications. Type 430

**Martensitic Stainless** - Iron-chromium alloys with 12 to 17% chromium. Heat treatable and magnetic. 410 is the least expensive stainless coating and offer more corrosion resistance than zinc and zinc chromates.

For more details on Corrosion, Coatings and Plating and Stainless Steel go to [www.grabberman.com](http://www.grabberman.com) or contact your local GRABBER representative.



# TECHNICAL NOTE

## On Cold-Formed Steel Construction

\$5.00

Light Gauge Steel Engineers Association • Washington D.C. • Toll Free: (866) 465-4732 • www.LGSEA.com

### FASTENER CORROSION

**SUMMARY:** Moisture, airborne chemicals and pollutants all can combine to reduce the life of ferrous fasteners through corrosion. This Tech Note examines the corrosion process, available fastener finishes, methods of measuring corrosion and the relative durability of finishes.

#### Introduction

Light gauge steel construction has many of the same corrosion issues as other types of construction. Is the project in a coastal area subject to salt laden air or in a urban area where acid rain will attack exterior components of the building? How long will the structure be under construction, exposing interior components to the elements prior to the building being enclosed?

There are also unique features of light gauge steel that will impact structures differently than some alternative building materials. The shape of the common steel track section can act as a trough during construction, collecting rain water and morning dew. The type and location of thermal insulation used in the wall system and the relative humidity can result in water vapor condensing within exterior walls. Since steel framing members are inherently straight and true, it is easier to attain quality construction with less air infiltration through walls. This reduced air movement in wall cavities can cause moisture to accumulate, corroding steel studs and fasteners, if protection is not provided.

#### WHAT IS CORROSION?

Metals are seldom found in their pure state. They are usually found in chemical combinations with one or more nonmetallic elements. Metal corrosion is generally defined as "the undesirable deterioration of a metal or alloy; an interaction of the metal with its environment that adversely affects the properties of the metal." Corrosion of metals is an electrochemical process involving both chemical reactions and the flow of electrons. Protecting metal from corrosion can be accomplished using barrier or cathodic protection.

Barrier protection acts by isolating the metal from its environment. Properties that effect the quality of protection offered include adhesion to the base metal, abrasion resistance and thickness of the coating. Paint

is an example of barrier protection.

Cathodic protection works by adding a sacrificial element to the corrosion circuit. In a galvanic cell, electrical current is generated internally by physical and chemical reactions. The cell, like a simple battery, consists of an anode, a cathode, an electrolyte and a return current path as shown in Figure 1. The anode generates electrons, corrodes, while the cathode receives electrons. The electrolyte is the conductor through which the current is carried and is usually a water solution of acids, bases and salts. The return path is a metallic connection from the anode to the cathode and is often the underlying metal. By introducing an element to the corrosion circuit that is more anodic than the base metal, such as zinc to steel, the zinc will give up electrons to the steel. The zinc is sacrificed while the steel is protected. Any one of the metals shown in Table 1 will theoretically corrode while offering protection to any other which is lower in the series, so long as the two are electrically connected. This explains how galvanized steel studs can be field cut or penetrated by fasteners and not have the exposed steel corrode. The adjacent zinc continues to offer cathodic protection to the steel.

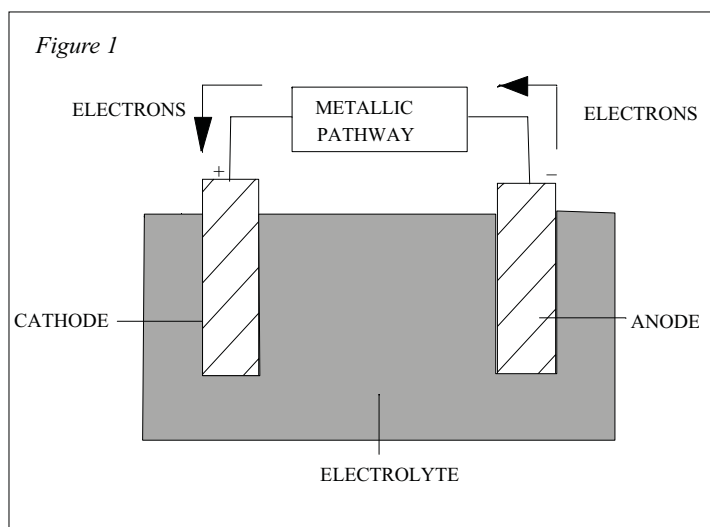


Table 1

**ARRANGEMENT OF METALS  
IN GALVANIC SERIES**

**CORRODED END - ANODE**

- Magnesium
- Zinc
- Aluminum
- Cadmium
- Steel
- Tin
- Nickel
- Bronze
- Copper
- Nickel-Copper Alloys
- Stainless Steel
- Gold
- Platinum

**PROTECTED END - CATHODE**

**TYPES OF CORROSION PROTECTION**

Fasteners are most commonly protected from corrosion by plating or coating. In addition to corrosion protection, these surface finishes provide lubricity during drilling and tapping of threaded fasteners which can help to reduce the tapping torque required to install them. The major types of finishes are as follows:

**Phosphate coating.** This black or gray appearing finish is most commonly used on drywall screws. Phosphate is a porous coating, which is usually applied in combination with oil. It is the lowest cost of all fastener finishes and as such, offers only a minimal barrier to corrosion. It is suitable for indoor applications only, where there is minimal chance of exposure to moisture.

**Mechanical zinc plating.** Powdered zinc is applied to the fastener surface by tumbling the fasteners with water, a chemical catalyst, and glass beads which pound the zinc onto the fastener surface. The thickness of the zinc can range from 0.2 to 3 mils (1 mil = .001 inch = 25.4µm where µm is microns) with increasing thickness of zinc improving the corrosion resistance. The zinc coating remains relatively porous, resulting in a coating with good galvanic protection, but a lesser degree of barrier protection. A chromate sealer can be applied over the zinc for increased barrier protection. This application method cannot uniformly apply zinc to the root diameter of threaded or knurled parts, and thus can provide maximum protection only on smooth fasteners.

**Electro-zinc plating.** This most common fastener finish offers good galvanic and barrier protection. The steel fasteners are first cleaned in acid to insure satisfactory adhesion of the zinc. The fasteners are then introduced to a solution of zinc and an electrical current is passed through the fasteners.

The fasteners, acting as a cathode, attract zinc from the solution which builds up on the surface of the fasteners. The length of time the fasteners are left in the solution determines the coating thickness which can range from 3 to 25 µm. The most common zinc thickness on fasteners is called commercial grade, which is 3.5 to 5 µm. Clear or yellow chromate is applied as a sealer over the zinc.

There is often confusion concerning the words "galvanized" and "plated" when referring to fastener finish. For fasteners, the term "plated" generally means a zinc coating less than 1 mil thick and "galvanized" refers to a zinc coating greater than 1 mil thick and generally implies application by hot dipping. Table 2 shows the relative thickness of zinc coating on typical building components.

Acid cleaning and the electroplating process cause hydrogen to form on the surface of the steel. Once hydrogen is formed, it is difficult to remove and can lead to hydrogen embrittlement cracking. Of greatest concern is that hydrogen embrittlement failures are typically a delayed failure, occurring months or years after the fastener was installed. The failure occurs because hydrogen atoms migrate through the steel to the point of highest stress. If too much hydrogen is in the part, the hydrogen will build up and eventually cause the steel to crack. The higher the yield strength of the steel and the greater the hardness achieved after heat treating, the more likely hydrogen embrittlement will occur. High strength bolts, powder actuated drive pins and pneumatically driven pins are examples of fasteners with these characteristics.

Hydrogen embrittlement can be minimized by baking the parts after plating. Quality control tests can then be run on the fasteners to insure the possibility of a hydrogen embrittlement failure is reduced.

Table 2

**TYPICAL ZINC COATING THICKNESS**

Coating Designation	Thickness (µm)
Commercial Grade (fastener)	5.0
G40 (stud)	8.5
G60 (stud)	12.7
G90 (stud)	19.4

**Specialty coatings.** These coatings are formulations consisting of proprietary mixtures of phosphate, zinc, chromate, and/or aluminum in combination with a binder material. The coatings may be organic or inorganic and are sold under tradenames such as Aericote®, Climaseal®, and Lifecoat®. Fasteners receive these coatings in a dip spin operation and then go through a bake oven to cure the coating. Coatings offer higher initial corrosion resistance because of greater barrier protection combined with cathodic protection from the zinc ingredient which works to contain the corrosion and

Table 3

**GUIDELINES ON CORROSION REQUIREMENTS**

"All screws shall be corrosion resistant..." - *Prescriptive Method For Cold Formed Steel Framing*

"Screws shall be given a corrosion-resistant treatment." - *Uniform Building Code Standard for Drill Screws*

"Where corrosion preventative or decorative finishes are required, screws shall be plated or coated as specified by the user." - *SAE J78 standard for Self-Tapping Screws*

prevent its spread through the steel base material. Like plain zinc, the thicker the coating is applied, the greater the corrosion protection offered. Although some coatings are applied over electro-zinc, many are applied directly to alkaline cleaned fasteners. A coating applied in this manner eliminates the possibility of hydrogen embrittlement in even the highest strength fasteners. Although more costly than the previously discussed finishes, these coatings offer the highest level of corrosion protection to ferrous fasteners.

**Stainless Steel.** This general term is given to alloys of iron, chromium and nickel that have a high resistance to rust. This material does not corrode because as the chrome oxidizes, a protective film is formed over the steel. The high cost of these fasteners generally limits their use to severe applications such as marine environments, highly corrosive industrial locations or the attachment of highly acidic cedar siding.

**TEST METHODS**

The relative performance of the various corrosion protection methods is determined by standard laboratory testing. While these tests cannot predict installed service life, they are an important part of fastener manufacturer's quality control program and help the fastener specifier understand the relative performance of various coatings.

**Salt Spray Test.** In this test, fasteners are placed in a sealed cabinet and exposed to an atmospheric mixture of distilled water (H<sub>2</sub>O) and 5% sodium chloride (NaCl). One hundred percent relative humidity is maintained in the test cabinet at a temperature of 100° F. The testing is continuous 24 hours per day, all per ASTM standard B-117. Fasteners are periodically inspected for corrosion. The test results are reported as hours of exposure to first appearance of rust.

**Mebon Prohesion Test.** This test is similar to the Salt Spray Test but utilizes alternating wet and dry cycles of one hour each. The test is meant to more closely simulate long term natural exposure. Researchers believe that the corrosion of iron occurs most rapidly during drying and rewetting episodes, not during the actual wet period. Only a few jurisdictions and manufactures currently utilize this test.

**Kesternich Test.** This method is much more severe than salt spray testing by simulating the conditions a finish encounters when exposed to a heavy industrial atmosphere. Sulfur dioxide (SO<sub>2</sub>) and nitrogen oxide (NO<sub>x</sub>) are introduced at a rate of 2 liters per cycle into an atmosphere of 100% humidity within a test chamber. These gases, when combined with water, form sulfurous acid (H<sub>2</sub>SO<sub>3</sub>) and nitric acid (HNO<sub>3</sub>), respectively. One cycle consists of twelve hours wet, with the cabinet closed, and twelve hours dry, with the cabinet open, all per DIN Standard 50018. Results are usually reported as the number of cycles (24 hour periods) the fastener endures with less than 5% red rust. This is the preferred test method for roofing fasteners which are required to meet Factory Mutual Standard 4470.

**DURABILITY**

Unlike many building components for which the designer can look to codes or industry standards for guidance, these sources offer little help with the issue of fastener corrosion. Most codes are very general, requiring fasteners to have a corrosion resistant treatment with no further detail. Excerpts from three standards are shown in Table 3.

A better guide for the specifier may be found in the results of long range testing that has been conducted by ASTM and other organizations to determine the corrosion behavior of zinc coatings. The service life of zinc coating is a function of its thickness and the type of environment to which it is exposed. Table 4 is based on the results of worldwide

Table 4

**SERVICE LIFE OF ELECTRODEPOSITED ZINC**

Atmosphere	Mean Corrosion Rate
Industrial	5.6 µm/year
Urban non-industrial or marine	1.5 µm/year
Suburban	1.3 µm/year
Rural	0.8 µm/year
Indoors	less than 0.5µm per year



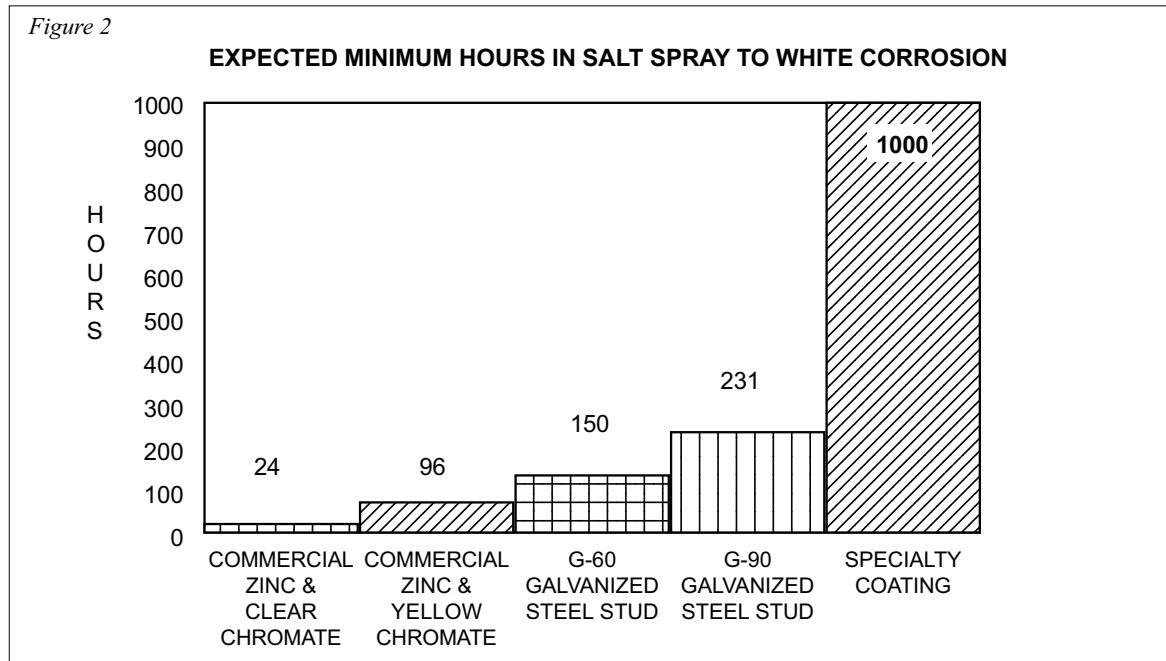
testing and compares the behavior of electrodeposited zinc in various atmospheres. These values are only relative, since individual studies in various parts of the world have provided results that vary widely from these averages.

While field studies have been done on zinc coated fasteners, this data does not allow comparison of different types of coatings. For fasteners, the most widely used guide for rating and selecting coatings is the relative performance

in salt spray testing. Although this test is not an indication of field life, it does give the specifier knowledge of how a finish compares to other types of finishes. Typical values of salt spray corrosion resistance are shown in Figure 2.

When specifying fasteners, consider the field conditions, relative level of finish performance desired and contact the manufacture for specific test information on their fasteners.

Figure 2



**References**

1. ASTM B201 Standard Practice for Testing Chromate Coatings on Zinc and Cadmium Surfaces, American Society for Testing Materials.
2. ASTM 633 Standard Specification for Electrodeposited Coating of Zinc on Iron and Steel. American Society for Testing Materials.
3. Galvanizing for Corrosion Protection, A Specifiers Guide. American Galvanizers Association, 1995
4. Durability of Coldformed Steel Framing Members. AISI, 1996
5. Atmospheric Corrosion Behavior of Aluminum-Zinc Alloy-Coated Steel, J.C.Zoccola, H.E.Townsend, A.R.Borzillo, and J.B. Horton. ASTM 1978
6. Aericote® is a registered trademark of ET&F Fastening Systems, Inc., Climaseal® is a registered trademark of ITW Buildex and Lifecoat® is a registered trademark of Compass International.

Primary author of this Tech Note: David P. Nolan, P.E

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**GRABBERGARD® COATING**

ACQ Compatibility and Corrosion Test Update  
January 5, 2005

The Osmose-MSU tests yielded other interesting results. We learned that use of an alloy base, in this case Zinc Nickel (in place of zinc/yellow chromate), significantly improves fastener corrosion resistance – comparable to stainless steel in this test. Zinc Nickel + GRABBERGARD® topcoat showed virtually no corrosion throughout the test and was the next best performer compared to stainless steel.

We also learned that the two variations of ACQ tested, Osmose's ACQ-Type D formulated with DDA chloride quat (labeled "NW-DDAC" in the photos) and ACQ-Type D formulated with DDA carbonate quat (labeled "NW-NT" in the photos) were actually less corrosive than the CCA- treated lumber in the test. It is safe to assume

that Osmose and the other major companies in the wood preservation market are working to make their ACQ chemistry more fastener-friendly. One treatment company recently told GRABBER® that the ACQ-treated lumber we are testing today is indeed less aggressive to steel fasteners than the ACQ-treated lumber we tested two years ago.

While no industry standard corrosion test exists for fasteners in treated lumber (ISANTA/AWPA & ASTM efforts are ongoing), the Osmose-MSU test is a step in the right direction. It gives concerned companies an independently run and controlled test – a means by which we can compare our products to already accepted products



**GRABBERGARD®**

## ACQ Compatibility and Corrosion Test Update

January 5, 2005

The Osmose-MSU test results confirm that GRABBERGARD® is acceptable for use in conjunction with ACQtreated lumber. The positive test results we received from MSU further demonstrate that GRABBERGARD® is a coating system that provides:

An optimum combination of cost-competitiveness and corrosion resistance – better performance than low-cost finishes like HDG and much lower cost than stainless while not sacrificing long-term protection

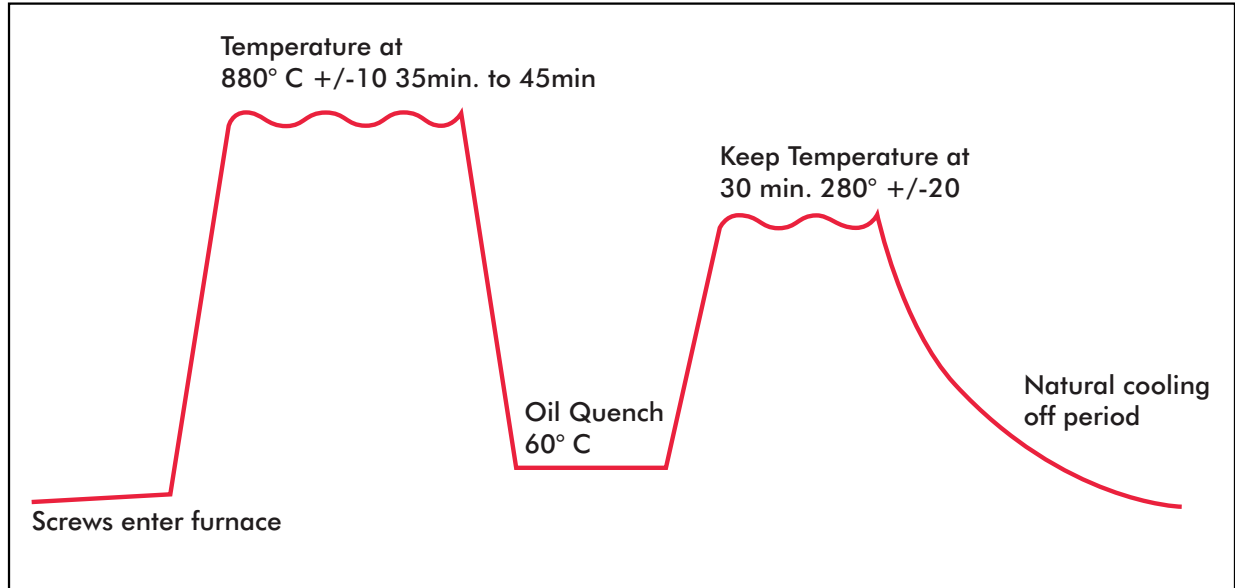
- A wide range of colors – custom color-matching is available if necessary
- Integrated coating lubricity to aid in easy installation
- Finish durability – GRABBERGARD® maintains adhesion to the substrate even after multiple installation/removal cycles
- Worldwide availability from high-quality, cost-conscious metal finishers.

GRABBER® realizes that competition is strong in this market. We have initiated a substantial R & D effort to create the next generation of GRABBERGARD® coatings and it will surely set the standard for performance in years to come. We plan to have more to report on this effort in 2005. Please contact GRABBER® if you need any more information about GRABBERGARD® or any of our other outstanding corrosion protective coating systems.

## Heat-Treatment Chart

Heat-treatment chart for 1018 drywall screws #6 to #8 gauge.

Mesh conveyer furnace with Gas carburizing hardening.



Screws will be: Surface hardness = 700Hv +/-50

Core hardness = 380Hv +/-50

In case of Dacrotized Corrosion resistant coatings:

Dacro coating baking temperatures are about 300 to 350° C and maintained for 20-30 minutes. After quenching, screws are tempered in (annealing) furnace temperature at usually X° C. In most cases, if baking temperatures are higher than annealing temperatures, screw hardness will go down. Therefore, we have designed a balance between a higher rust proof coating and the hardness priority.

# Self Drilling Screw Selection

## Steel Metal Gauge

Normal Gauge	Minimum Thickness (inches)	Mils	Maximum Design (inches)
6	0.0163	16	0.0172
25	0.0179	18	0.0188
22	0.0269	27	0.0283
20	0.0329	33	0.0346
18	0.0428	43	0.0451
16	0.0538	54	0.0566
14	0.0677	68	0.0713
12	0.0966	97	0.1017
10	0.1180	118	0.1240

FOR SI: 1 inch = 25.4mm. 1 mil = 0.0254 mm.

- 1 - All dimensions are inches or mils, uncoated.
- 2 - U.S. standard gauge for uncoated hot- and cold-rolled sheets. Gauge numbers are only provided as a reference and should not be used to order, design or specify steel studs or joists.
- 3 - Minimum thickness of material delivered to the job site.
- 4 - Design thickness of steel studs / joists shall not exceed the minimum thickness divided by 0.95. Design thickness = Min. thickness / 0.95.
- 5 - Chart above as noted in ICBO AC 46 acceptance criteria

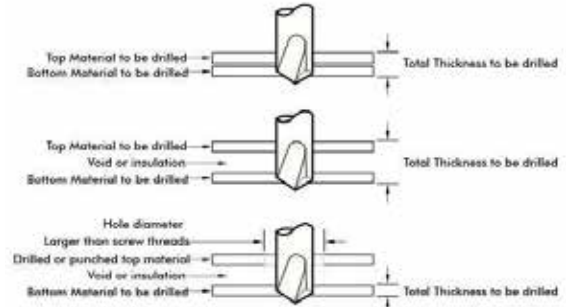
## SCREW SIZE

Normal Size	Basic Screw Diameter	Actual Size
0	0.0600	•
1	0.0730	•
2	0.0860	•
3	0.0990	•
4	0.1120	•
5	0.1250	•
6	0.1380	•
7	0.1510	•
8	0.1640	•
10	0.1900	•
12	0.2160	•
1/4	0.2500	•
5/16	0.3125	•
3/8	0.3750	•

Where specifying nominal size in decimals, zeros preceding decimal and in the fourth decimal place shall be omitted.

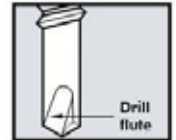
## Self-Drilling Screw Selection Guide

### Drill Point Selection



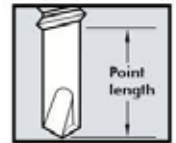
### Drill Flute

The length of the drill flute determines the metal thickness that can be drilled. The flute itself provides a channel for chip removal during drilling action. If it becomes completely imbedded in material, drill chips will be trapped in the flute and cutting action will cease. This will cause the point to burn up or break.



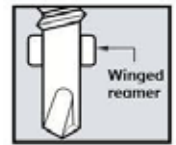
### Point Length

The unthreaded section from the point to the first thread should be long enough to assure the drilling action is complete before the first thread engages the drilled metal. Screw threads advance at a rate of up to ten times faster than the drill flute can remove metal. All drilling therefore should be complete before threads begin to form.



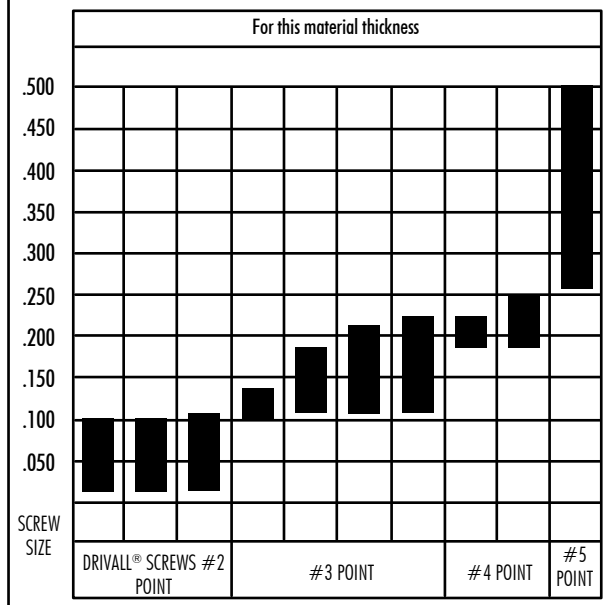
### Drilling Through Wood To Metal

If your application calls for drilling through wood over 1/2" in thickness, a clearance hole is required. Select a fastener with break away wings for this type of job. The wings will ream a clearance hole and break-off when in contact with metal surface (minimum metal thickness .090") to be drilled.



## Recommendations for Drilling Capacity

### Material Thickness Recommendations



NOTE: MEETS OR EXCEEDS SAE J78 - TABLE 9.  
TOTAL THICKNESS OF ALL STEEL INCLUDING ANY SPACING BETWEEN LAYERS

## LEED Information- Screws

GRABBER® Construction products (screws) are classified as building materials. As such, fasteners are part of a system. The applicable LEED standards are:

### **Materials and Resources Fasteners, Screws**

4.1 – 4.2 : Recycled Content 0%

% Post Consumer = 100

% Post Industrial = 100

GRABBER® Screw packaging cartons are made of 80% recycled paper and 20% new paper products. Plastic Buckets are re-useable and recyclable

### **Waste Disposal Methods**

Per our MSDS for screws, Section VII, excess screws are recyclable and disposable in accordance with local, state or environmental ordinances.

### **Local /Regional Materials**

Unless specified as "American Made", GRABBER® Screws are not produced locally or regionally.

### **GRABBER® Construction Products**

GRABBER® Headquarters

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Alpine, Utah

info@grabberman.com

Phone: 1-800-477-TURN (8876)

April 09

## Regarding 304 and 304L stainless steel as compared to GRABBERGARD®.

Salt Spray (ASTM B117)

304 and 316 stainless have been rated @ 2500 hours

304L and 409 stainless have been rated @ 1500 hours

GRABBERGARD® exterior have been rated @ 1000 hours

All 300 Series Stainless screws are non-magnetic.

There is no absolute criterion for converting salt spray to actual exposure conditions. Unless this is a very severe application, i.e. salt water wharf, or exterior applications within 250 yards of shore, we would recommend the GRABBERGARD® over the stainless steel as the most efficient and cost effective solution to an exterior application.

### What are Plating and Coating?

Plating and Coating are the deposition of an adherent metal on the surface of a base metal. Fasteners are typically either electroplated, hot dipped, or mechanically deposited on the base metal.

**Chemical Conversion Coating:** Adherent films chemically formed on a metal surface when immersed in a bath of appropriate solution. Chemical conversion coatings popularly specified for fasteners are chromate treatments on electroplated parts and zinc and phosphate coatings.

**Electroplating:** is a process where a water based plating chemical compound has an electrical current passed through it which causes the plating to precipitate out and be deposited onto the submerged parts. Process described in ASTM B633 Zinc A165 Cadmium.

**GRABBERGARD®:** JWA proprietary coating (rated @ 1000 hours (ASTM B117) utilizing electroplating, chemical processing, and exterior coating.

**Hot Dip Galvanizing:** is accomplished by submerging carbon steel parts for a few minutes in a bath of molten zinc at 950° F (510° C). The result is an iron-zinc alloy at the steel surface and pure zinc gradually changing to pure zinc a fasteners exterior. Process described in ASTM 153.

**Hydrogen Embrittlement:** Associated with fasteners made of carbon and alloy steels. It is caused by absorption of hydrogen into the fasteners surface during manufacture and processing — particularly during pickling and alkaline cleaning prior to plating. If the hydrogen is not removed by a post baking operation, when stress is applied, the hydrogen gas migrates towards points of highest stress concentration. Pressure builds until the strength of the base metal is exceeded and minute ruptures occur.

**Mechanical Plating:** metal coating is applied by impacting particles of the plating metal against the parts and cold welding a coating to their surface. Process described in ASTM B695 Zinc and B696 Cadmium.

**Passivation:** To make inactive or less active the surface of steel by chemical cleaning.

**Key Plating Metals:** Zinc, cadmium, and aluminum are the most popular for carbon steel fasteners because they are less noble than carbon steels, stainless steel.

**Platings:** Are the deposition of an adherent metal onto the surface of a base metal. Commercial fasteners (non-aerospace) primarily utilize electroplating, hot dipping or mechanical plating. Plating

**Passivation:** is a cleaning process in which the fastener is immersed in solution of nitric acid and water to clean stainless steel of foreign matter.

Regarding ASTM B153 and ASTM B633 ASTM Test reference electroplating and hot dipped.

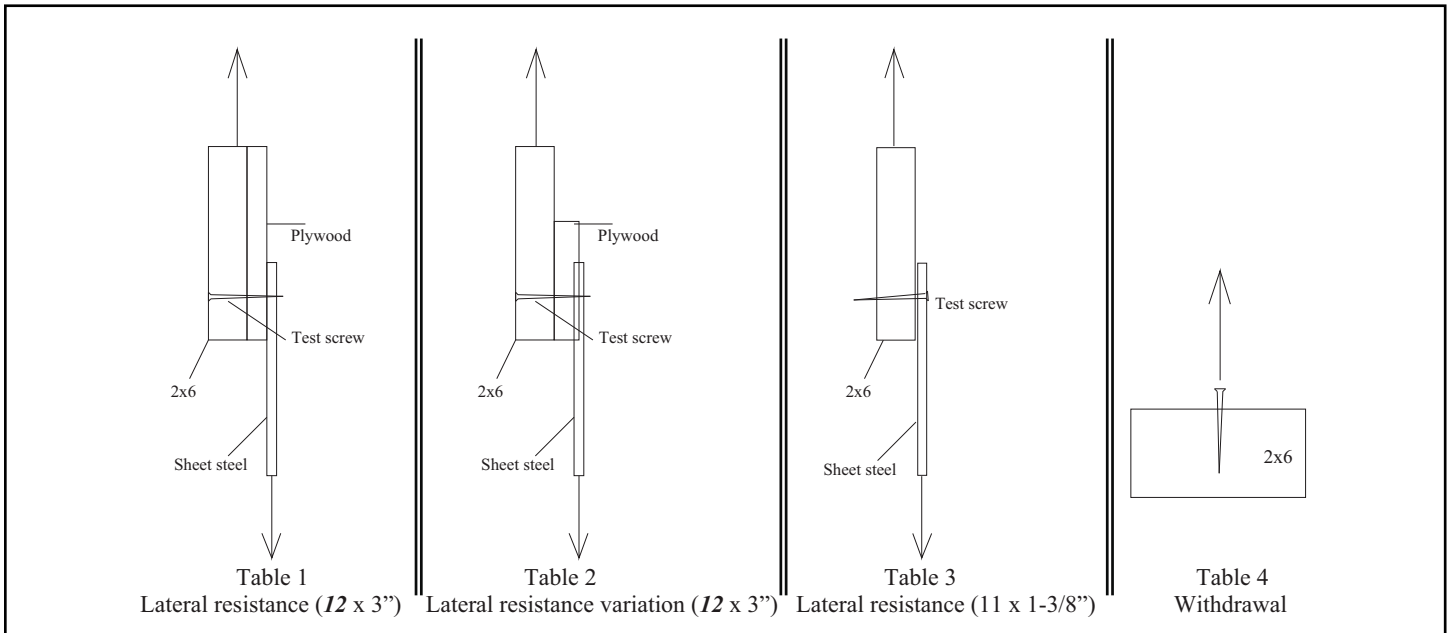
GRABBERGARD® coating is a variation of those criteria. **GRABBERGARD® Screws Meet or Exceed the testing criterion in ASTM 153 and ASTM B633 for corrosion resistance. The common testing criterion for construction fasteners is ASTM B117 as described in hours.**

GRABBERGARD® is an augmented RUSPERT process comprise of Teflon, ceramics and polymers. The process begins with chemical cleaning of the fasteners, then electro-chemistry application of Zinc, then non-chemical pollution cleaning process, baking, then application of first layer of GRABBERGARD® coating (chemical composition: resin polyesters, melamine, epoxy, and silicon, filler, pigment, aluminum powder, xylene, butyl cellosolve, butanol, hydrocarbon solvent, ether solvent, alcoholic solvent, and ceramic additive) baking and second coating of chemical processing, cooling, and then QC. GRABBER® is now requiring 10-12 microns of GRABBERGARD® coating to achieve a 1000hr ASTM B117 test result.

GRABBER® exterior grade screws are coated with the proprietary GRABBERGARD® coating (comprised of several layers of zinc coating with a final coating of a chemical composition including: resin, pigment, aluminum powder, and filler. GRABBERGARD® Premium quality exterior screws are manufactured to withstand 1000 hours in the ASTM B117 test environment.

**GRABBER Constructions Products, Inc. Laboratory No.: U317**

July 28, 2003 Page 2 of 2

**FIGURE 1 TEST SET-UP****PROCEDURES****Lateral Resistance Test**

Each test assembly was secured into the testing machine using a pin and clevis. An axial tensile load was applied at a gradual rate until failure. Simultaneous values of load and differential movement were recorded. Test results and sample identification are presented in Tables 1 through 3.

**Withdrawal Test**

The wood section was secured to the bed of the test machine an axial tensile force was applied causing the screw to withdraw. Test results and sample identification are presented in Table 2.

If you have any questions regarding this report please contact the undersigned at 510- 835-3142 ext. 106.

Sincerely,

**TESTING ENGINEERING, INC.**

Jack A. Snow

Material Science Technician

The results presented in this report relate only to the items tested. This report can only be reproduced in its entirety unless written permission from TEI is obtained.



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**GRABBER Pacific**

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Capitol Heights, MARYLAND 20743-4917  
301-808-5100

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1136 industrial Dr SW, Conover, NC 28613  
Phone: 866-615-6245

**GRABBER Frederick**

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Frederick, MARYLAND 21703-7300  
301-371-0701

**GRABBER Missouri**

1805 Liberty St.  
Kansas City, MISSOURI 64102  
816-931-8816

**GRABBER Northeast**

1125 Thomas Busch Memorial Hwy  
Pennsauken, NEW JERSEY 08110  
856-662-2525

**GRABBER Ohio**

4325 Muhlhauser Rd., Suite 8  
Fairfield, OHIO 45014  
513-874-9027

**GRABBER Midwest**

370 W. Dussel Dr., Suite 5  
Maumee, OHIO 43537-1604  
419-794-8212

**GRABBER Northwest**

13011 SE Jennifer St., Ste# 201  
Clackamas, OREGON 97015  
503-654-5234

**GRABBER Memphis**

3623 Goodlet Rd., #4  
Memphis, TENNESSEE 38118  
901-794-1894

**GRABBER Texas**

10990 Petal Street, Ste 400  
Dallas, TEXAS 75238-2487  
972-470-9044

**GRABBER South Texas**

2121 Brittmoore Rd, #1400  
Houston, TEXAS 77043-2200  
713-545-3918

**GRABBER Utah**

4690 South 500 West  
Murray, UTAH 84123  
801-266-4151

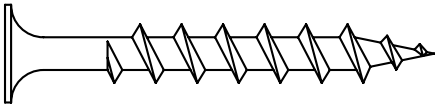
**GRABBER Virginia**

14801 Willard Rd, Suite 700  
Chantilly, VIRGINIA 20151  
703-631-8770

**INTERIOR WOOD****Product #230A****Bugle Head GRABBER® USA** (1 OF 2)

**Attaches gypsum board to wood. Extra sharp point and threads make driving easier and provide better holding power.**

**Finish - Black/Gray Phosphate**



Bugle  
Head



GRABBER  
Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ 3/8", 1/2", and 5/8" single-layer gypsum board to wood studs and joists
- ▶ 1/2" and 5/8" double-layer gypsum board to wood studs and joists
- ▶ Insulation to wood
- ▶ OSB or plywood to wood
- ▶ Wood to wood applications

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Lengths – 1" to 4"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate. Also available in Yellow Zinc and GRABBERGARD®
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES ER-5280.

**PRODUCT FEATURES**

- ▶ Superior holding power and ease of penetration
- ▶ A coarse thread screw for general interior applications
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER point, designed to penetrate quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ For wood to wood connections, minimum penetration should be 7 diameters (e.g. 1-1/4" for #8 fastener)

**INTERIOR WOOD**

**Product #230A**

**Bugle Head GRABBER® USA** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

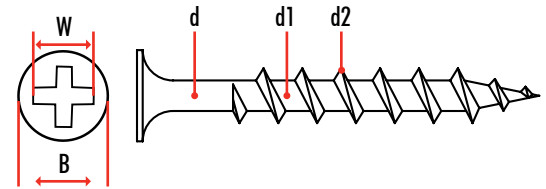
Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
100A	#6x1"	25 mm	10 M	32.00(lbs)
200A	#6x1-1/8"	28 mm	10 M	33.00(lbs)
300A	#6x1-1/4"	32 mm	8 M	32.00(lbs)
400A	#6x1-5/8"	41 mm	5 M	22.00(lbs)
900A8	#8x2-1/2"	63 mm	2.5 M	25.00(lbs)

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8



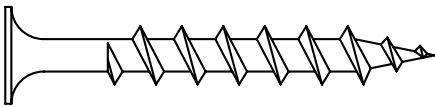
All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**INTERIOR WOOD****Product #230****Bugle Head GRABBER® - Interior** (1 OF 2)

Attaches gypsum board to wood. Extra sharp point and threads make driving easier and provide better holding power.

Finish - Black/Gray Phosphate, Yellow Zinc and Clear Zinc

Bugle  
HeadGRABBER  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ 3/8", 1/2", and 5/8" single-layer gypsum board to wood studs and joists
- ▶ 1/2" and 5/8" double-layer gypsum board to wood studs and joists
- ▶ Insulation to wood
- ▶ OSB or plywood to wood
- ▶ Wood to wood applications

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Lengths – 1" to 4"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate. Also available in Yellow Zinc and GRABBERGARD®
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES-5280.

**PRODUCT FEATURES**

- ▶ Superior holding power and ease of penetration
- ▶ A coarse thread screw for general interior applications
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER point, designed to penetrate quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ For wood to wood connections, minimum penetration should be 7 diameters (e.g. 1-1/4" for #8 fastener)

**INTERIOR WOOD**

**Product #230**

**Bugle Head GRABBER® USA** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
100	#6x1"	25 mm	10 M	29.00(lbs)
300	#6x1-1/4"	32 mm	8 M	30.00(lbs)
200	#6x1-1/8"	28 mm	10 M	32.00(lbs)
400	#6x1-5/8"	41 mm	5 M	22.00(lbs)
500	#7x2"	51 mm	3.5 M	21.00(lbs)
600	#7x2-1/4"	57 mm	3 M	20.00(lbs)
900	#8x2-1/2"	63 mm	2.5 M	19.00(lbs)
1100	#8x3"	76 mm	2 M	21.00(lbs)
1200	#10x3-1/2"	89 mm	1 M	17.00(lbs)
1300	#10x4"	102 mm	1 M	20.00(lbs)

**PULL-OUT TEST DATA**

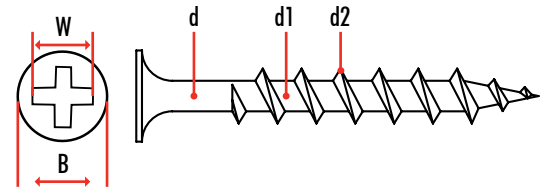
Screw Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#6	339	309	186	222	224
#7	430	258	291	250	227
#8	528	500	396	246	324
#10	545	320	332	312	255

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, No Red Rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, No Red Rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



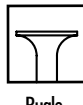
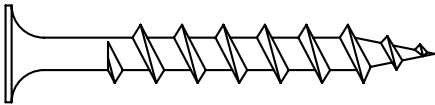
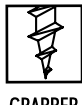
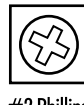
**INTERIOR WOOD**

Product #2301

**Bugle Head GRABBER® - Interior** (1 OF 3)

Attaches gypsum board to wood. Extra sharp point and threads make driving easier and provide better holding power.

Finish - Black/Gray Phosphate, Yellow Zinc and Clear Zinc

Bugle  
HeadGRABBER  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ 3/8", 1/2", and 5/8" single-layer gypsum board to wood studs and joists
- ▶ 1/2" and 5/8" double-layer gypsum board to wood studs and joists
- ▶ Insulation to wood
- ▶ OSB or plywood to wood
- ▶ Wood to wood applications

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Lengths – 1" to 4"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate. Also available in Yellow Zinc and GRABBERGARD®
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES ER-5280.

**PRODUCT FEATURES**

- ▶ Superior holding power and ease of penetration
- ▶ A coarse thread screw for general interior applications
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER point, designed to penetrate quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ For wood to wood connections, minimum penetration should be 7 diameters (e.g. 1-1/4" for #8 fastener)

**INTERIOR WOOD**

**Product #2301**

**Bugle Head GRABBER® - Interior** (2 OF 3)

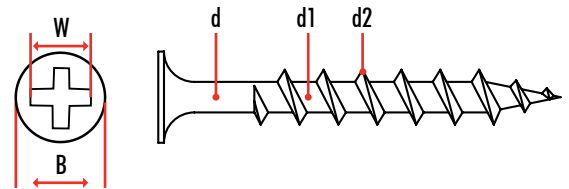
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
100YZ	#6x1"	25 mm	10 M	30.00(lbs)
100Z	#6x1"	25 mm	10 M	29.00(lbs)
100	#6x1"	25 mm	10 M	29.00(lbs)
300	#6x1-1/4"	32 mm	8 M	30.00(lbs)
300YZ	#6x1-1/4"	32 mm	8 M	33.00(lbs)
300Z	#6x1-1/4"	32 mm	8 M	33.00(lbs)
200Z	#6x1-1/8"	28 mm	10 M	32.00(lbs)
200	#6x1-1/8"	28 mm	10 M	30.00(lbs)
400YZ	#6x1-5/8"	41 mm	5 M	22.00(lbs)
400Z	#6x1-5/8"	41 mm	5 M	22.00(lbs)
400	#6x1-5/8"	41 mm	5 M	22.00(lbs)
500YZ	#7x2"	51 mm	3.5 M	22.00(lbs)
500Z	#7x2"	51 mm	3.5 M	21.00(lbs)
500	#7x2"	51 mm	3.5 M	21.00(lbs)
600	#7x2-1/4"	57 mm	3 M	20.00(lbs)
600Z	#7x2-1/4"	57 mm	3 M	20.00(lbs)
900	#8x2-1/2"	63 mm	2.5 M	19.00(lbs)
900YZ	#8x2-1/2"	63 mm	2.5 M	25.00(lbs)
900Z	#8x2-1/2"	63 mm	2.5 M	25.00(lbs)
1100YZ	#8x3"	76 mm	2 M	22.00(lbs)
1100Z	#8x3"	76 mm	2 M	22.00(lbs)
1100	#8x3"	76 mm	2 M	21.00(lbs)
1200	#10x3-1/2"	89 mm	1 M	17.00(lbs)
1300	#10x4"	102 mm	1 M	20.00(lbs)
1300Z	#10x4"	102 mm	1 M	20.00(lbs)

\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, No Red Rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, No Red Rust



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**INTERIOR WOOD**

Product #2301

**Bugle Head GRABBER® - Interior** (3 OF 3)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**PULL-OUT TEST DATA**

Screw Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#6	339	309	186	222	224
#7	430	258	291	250	227
#8	528	500	396	246	324
#10	545	320	332	312	255

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.





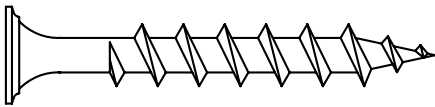
**INTERIOR WOOD**

Product #230S

**Scavenger® Head GRABBER® - Interior** (1 OF 3)

Attaches gypsum board to wood. Extra sharp point and threads make driving easier and provide better holding power.

Finish - Black/Gray Phosphate

Scavenger  
HeadGRABBER  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ 3/8", 1/2", and 5/8" single-layer gypsum board to wood studs and joists
- ▶ 1/2" and 5/8" double-layer gypsum board to wood studs and joists
- ▶ Insulation to wood

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Lengths – 1" to 4"
- ▶ Head Type – Scavenger®
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate.
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES ER-5280.

**PRODUCT FEATURES**

- ▶ Superior holding power and ease of penetration
- ▶ A coarse thread screw for general interior applications
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER point, designed to penetrate quickly and easily
- ▶ #2 Phillips recess drive
- ▶ Unique Scavenger® head is designed to reduce paper burrs

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Scavenger® head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.

**INTERIOR WOOD**

Product #230S

**Scavenger® Head GRABBER® - Interior (2 OF 3)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
108	#6x1"	25 mm	10 M	29.00(lbs)
308	#6x1-1/4"	32 mm	8 M	30.00(lbs)
408	#6x1-5/8"	41 mm	5 M	22.00(lbs)
508	#7x2"	51 mm	3.5 M	21.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

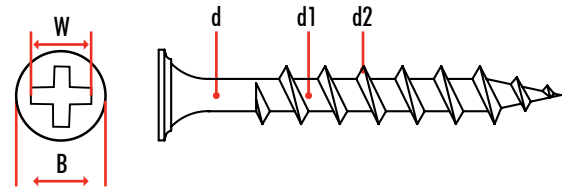
Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	

**PULL-OUT TEST DATA**

Screw Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#6	339	309	186	222	224
#7	430	258	291	250	227



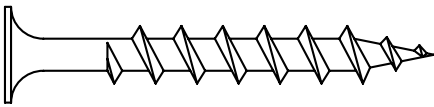
All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**INTERIOR WOOD****Product #232****Bugle Head GRABBER<sup>®</sup> Laminator (1 OF 2)**

Laminates gypsum board. Heavy gauge laminator screws are also ideal for wood to wood connection.

Finish - Black/Gray Phosphate and GRABBERGARD<sup>®</sup>



Bugle  
Head



GRABBER  
Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ Multi-layer adhesively laminated gypsum-to-gypsum partitions
- ▶ Coreboard to multiple-layer elevator shaft liners
- ▶ Not recommended for double-layer 3/8" panels

**PRODUCT FEATURES**

- ▶ A coarse thread screw for temporarily fastening one layer of drywall to another
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER<sup>®</sup> point, designed to penetrate quickly and easily
- ▶ #2 Phillips recess drive

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Length – 1-1/2"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER<sup>®</sup> screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES ER-280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.

**INTERIOR WOOD**

**Product #232**

**Bugle Head GRABBER® Laminator (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
12RG	#10x1-1/2"	38 mm	5 M	37.00(lbs)
12	#10x1-1/2"	38 mm	5 M	37.00(lbs)

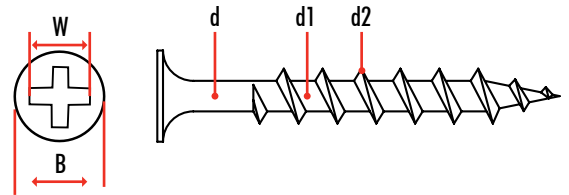
\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	8.50	2.87	#2	3.78	3.20	5.00	8
	8.90	3.30		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, No Red Rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, No Red Rust



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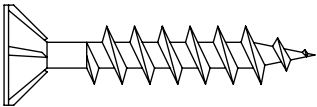
**INTERIOR WOOD**

Product #280

**Woodys Flat Head Ribbed Screws, Square Drive** (1 OF 3)

Flat head screws for interior projects such as cabinets, paneling, furniture, wood framing, stairs, wood trim & more.

Finish - Yellow Zinc and Clear Zinc

Flat Head  
With NibsGRABBER  
Point#1 Square  
Drive**APPLICATIONS**

- ▶ Outdoor projects such as decks, docks, fences, and gazebos (with GRABBERGARD® finish)
- ▶ Indoor uses with cabinets, counters, furniture, and paneling
- ▶ Any wood-to-wood application

**SPECIFICATIONS**

- ▶ Gauge – #8 and #10
- ▶ Lengths – 1-1/8" to 4"
- ▶ Head Type – Flat
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Square recess
- ▶ Finish – Clear or Yellow Zinc, Gray Phosphate, and GRABBERGARD®  
GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**PRODUCT FEATURES**

- ▶ A superior, weather and element resistant screw Square recess creates a positive seat for driver
- ▶ 8 TPI design provides increased holding power
- ▶ The flat head is designed specifically for wood applications
- ▶ Ribbed head ensures flush countersinking

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**INTERIOR WOOD**

**Product #280**

**Woodys Flat Head Ribbed Screws, Square Drive (2 OF 3)**

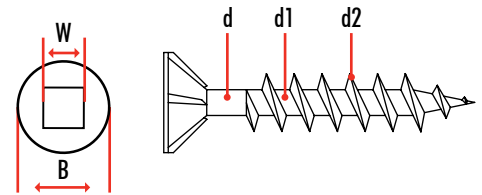
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
78100Z	#8x1"	25 mm	8 M	30.00(lbs)
78150YZ	#8x1-1/2"	38 mm	5 M	31.00(lbs)
78150Z	#8x1-1/2"	38 mm	5 M	31.00(lbs)
78125Z	#8x1-1/4"	32 mm	6 M	32.00(lbs)
78118Z	#8x1-1/8"	28 mm	6 M	31.00(lbs)
78175Z	#8x1-3/4"	45 mm	4 M	28.00(lbs)
78200YZ	#8x2"	51 mm	3 M	25.00(lbs)
78200Z	#8x2"	51 mm	3 M	25.00(lbs)
78250YZ	#9x2-1/2"	63 mm	2.5 M	27.00(lbs)
78250Z	#9x2-1/2"	63 mm	2.5 M	27.00(lbs)
78275YZ	#9x2-3/4"	70 mm	2 M	27.00(lbs)
78300YZ	#9x3"	76 mm	2 M	26.00(lbs)
78300Z	#9x3"	76 mm	2 M	26.00(lbs)
78350YZ	#10x3-1/2"	89 mm	1 M	19.00(lbs)
78350Z	#10x3-1/2"	89 mm	1 M	19.00(lbs)
78400Z	#10x4"	102 mm	1 M	21.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, No Red Rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, No Red Rust



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**INTERIOR WOOD**

**Product #280**

**Woodys Flat Head Ribbed Screws, Square Drive (3 OF 3)**

**PULL-OUT TEST DATA**

Screw Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#10	404	402	396	314	319

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	7.42	1.65	#2	3.18	2.70	4.30	8
	8.30	2.08		3.22	3.00	4.60	
#10	8.64	1.65	#2	3.78	3.20	5.10	8
	9.09	2.08		3.82	3.50	5.50	

**FASTENER STRENGTH TEST DATA**

Gauge	Bending Yield Strength, psi	Ultimate Tension (pounds)	Allowable Tension (pounds)	Ultimate Shear (pounds)	Allowable Shear (pounds)
#8	200,000	2,125	708	1,656	552
#9	195,000	2,284	761	1,691	564
#10	190,000	2,504	835	2,039	680

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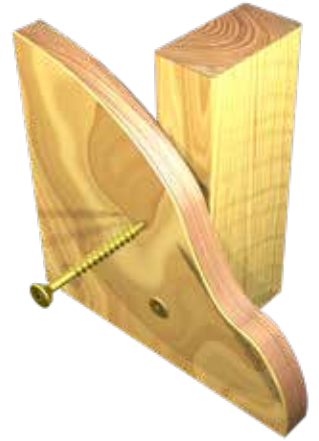
**INTERIOR WOOD**

Product #281

**Woodys Flat Head Ribbed Screws, LOX Drive** (1 OF 2)

**LOX recess flat head screws for interior projects such as cabinets, paneling, furniture, wood framing, stairs, wood trim & more.**

**Finish - Yellow Zinc**

Flat Head  
With NibsType 17  
Point

LOX #2

**APPLICATIONS**

- ▶ Outdoor projects such as decks, docks, fences, and gazebos (with GRABBERGARD® finish)
- ▶ Indoor uses with cabinets, counters, furniture, and paneling
- ▶ Any wood-to-wood application

**SPECIFICATIONS**

- ▶ Gauge – #8 and #10
- ▶ Length – 1-1/2" to 4"
- ▶ Head Type – Flat
- ▶ Recess Type – LOX #2
- ▶ Thread Type – Single Lead
- ▶ Finish – Yellow Zinc, GRABBERGARD®, GRABBERGARD® Brown, GRABBERGARD® Red and GRABBERGARD® Green
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280

**PRODUCT FEATURES**

- ▶ A superior, weather and element resistant screw The flat head is designed specifically for wood applications
- ▶ LOX recess drive does not require a magnetic bit tip holder
- ▶ Ribbed head ensures flush countersinking
- ▶ 8 TPI design provides increased holding power

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.



**INTERIOR WOOD**

**Product #281**

**Woodys Flat Head Ribbed Screws, LOX Drive** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
W8150YZ	#8x1-1/2"	38 mm	2450	16.00(lbs)
W8175YZ	#8x1-3/4"	45 mm	2450	18.00(lbs)
W8200YZ	#8x2"	51 mm	1750	15.00(lbs)
W9250YZ	#9x2-1/2"	63 mm	1750	21.00(lbs)
W9300YZ	#9x3"	76 mm	1750	25.00(lbs)
W10350YZ	#10x3-1/2"	89 mm	700	15.00(lbs)
W10400YZ	#10x4"	102 mm	700	16.00(lbs)

\*1lb Box and Deck Pack screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	7.42	1.65	#2	3.18	2.70	4.30	8
	8.30	2.08		3.22	3.00	4.60	
#10	8.64	1.65	#2	3.78	3.20	5.10	8
	9.09	2.08		3.82	3.50	5.50	

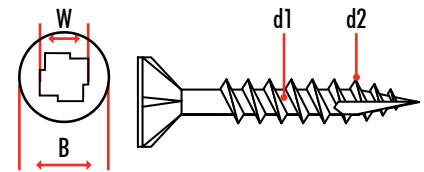
**PULL-OUT TEST DATA**

Screw Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#10	404	402	396	314	319

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, No Red Rust

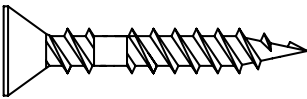
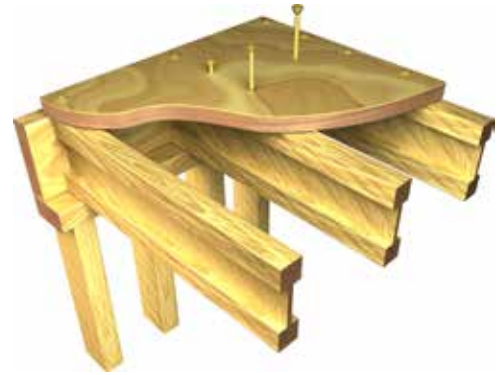


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**INTERIOR WOOD**

Product #282

**Subfloor Screws (collated)** (1 OF 2)**Professional wood screw for interior and exterior applications****Finish - Black/Gray Phosphate and Yellow Zinc**

Flat Head

23° Streaker®  
Point

LOX #2



LOX #3

**APPLICATIONS**

- ▶ Plywood, OSB, and other subfloor materials to wood joists

**PRODUCT FEATURES**

- ▶ Self tapping STREAKER® point is designed for penetration into wood
- ▶ Flat head provides a flush finished surface LOX® recess does not require a magnetic bit tip holder

**SPECIFICATIONS**

- ▶ Gauge – #8
- ▶ Lengths – 1-3/4" to 2-1/2"
- ▶ Point – STREAKER®
- ▶ Head Type – Flat
- ▶ Recess – LOX®
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate, Clear and Yellow Zinc, and un-plated
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**INTERIOR WOOD**

Product #282

**Subfloor Screws (collated)** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
C7125UL2	#7x1-1/4"	32 mm	1000	5.00(lbs)
C8175L3YZ	#8x1-3/4"	45 mm	1000	9.00(lbs)
C8200L3YZ	#8x2"	51 mm	1000	10.00(lbs)
C8250L3YZ	#8x2-1/2"	63 mm	1000	12.00(lbs)
C8300L3YZ	#8x3"	76 mm	1000	12.00(lbs)

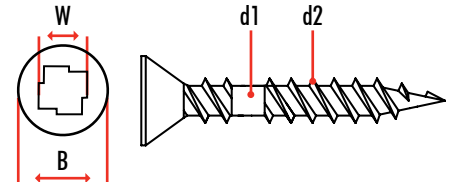
\*Available in collated only

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, No Red Rust



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**INTERIOR WOOD**

Product #284

**Pan Head Cabinet Screw** (1 OF 2)

Pan head screw used for cabinet assembly and installation. Type 17 point provides easy penetration and minimal expansion of material leaving a smooth flush surface.

Finish - Black/Gray Phosphate

Pan  
HeadType 17  
Point#2 Phillips  
Drive#1 Square  
Drive**APPLICATIONS**

- ▶ Cabinet assembly and installation
- ▶ Face frame assembly

**PRODUCT FEATURES**

- ▶ Type 17 point is designed to smoothly penetrate wood without surface cracking
- ▶ Available with #2 Phillips or #2 square recess drives
- ▶ Pan head provides a flat bearing surface into solid material

**SPECIFICATIONS**

- ▶ Gauge – #6
- ▶ Length – 1-1/4" to 1-1/2"
- ▶ Head Type – Pan
- ▶ Recess Type – #2 Phillips or #2 square
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**INTERIOR WOOD**

Product #284

**Pan Head Cabinet Screw (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
90	#6x1-1/2"	38 mm	5 M	24.00(lbs)
902Q	#6x1-1/2"	38 mm	5 M	44.00(lbs)
902Q4	#6x1-1/4"	32 mm	10 M	24.00(lbs)
90-4	#6x1-1/8"	28 mm	10 M	44.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	7.14	1.75	#2	2.78	2.30	3.45	20
	7.50	2.25		2.82	2.43	3.53	

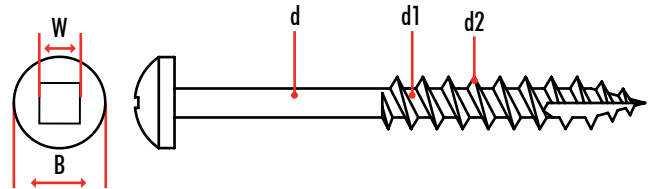
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	20	237	557
	25	139	278

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust



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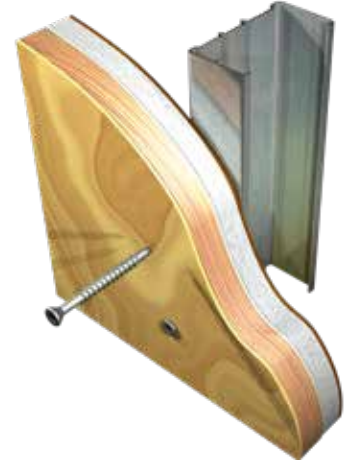
**EXTERIOR WOOD**

Product #214

**Trim Head STREAKER®** (1 OF 2)

Fine thread, trim head screw for attaching wood trim over single or double-layer gypsum board to steel

Finish - GRABBERGARD®

Trim  
Head23° Streaker®  
Point#1 Square  
Drive**APPLICATIONS**

- ▶ Wood trim over single and double-layer gypsum board to 20 to 25 gauge steel studs and track
- ▶ Wood trim over single and double-layer gypsum board to wood studs

**PRODUCT FEATURES**

- ▶ A fine thread screw for finishing applications 15 threads per inch
- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily
- ▶ #1 square recess drive

**SPECIFICATIONS**

- ▶ Gauge - #7 and #8
- ▶ Lengths - 1-5/8" to 3"
- ▶ Head Type - Trim
- ▶ Recess Type - #1 square
- ▶ Thread Type - Double Lead
- ▶ Finish - Gray Phosphate, Clear Zinc, GRABBERGARD®
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and 2500 RPM.
- ▶ The Trim head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**EXTERIOR WOOD**

**Product #214**

**Trim Head STREAKER®** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
17SRG	#7x1-5/8"	41 mm	10 M	49.00(lbs)
18SRG	#7x2-1/4"	57 mm	5 M	34.00(lbs)
17S76RG	#8x3"	76 mm	2 M	22.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

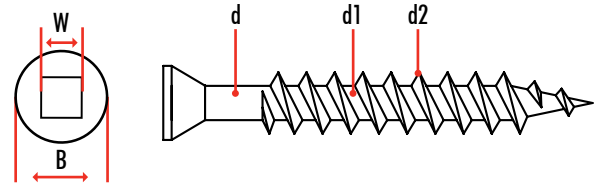
Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.20	#1	2.93	2.40	3.75	15
	5.80	1.50		2.97	2.55	3.90	
#8	5.30	1.20	#1	3.18	2.80	4.00	15
	5.80	1.50		3.22	3.00	4.20	

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	20	222	817
	25	100	245
#8	20	342	785
	25	145	325

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm



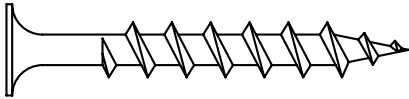
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**EXTERIOR WOOD****Product #230X****Bugle Head GRABBER®** (1 OF 3)

**Attaches sheathing, insulation board, wood, etc. wood. Standard bugle head. GrabberGard coating provides superior corrosion protection.**

**Finish - GRABBERGARD®**



Bugle  
Head



GRABBER  
Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ Wood studs and joists
- ▶ 1/2" and 5/8" double-layer gypsum board to pressure treated wood studs and joists
- ▶ Insulation to pressure treated wood
- ▶ OSB or plywood to pressure treated wood
- ▶ PT

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Lengths – 1" to 4"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – GRABBERGARD® TM ASTM rated at 1000 hrs
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**PRODUCT FEATURES**

- ▶ Superior holding power and ease of penetration
- ▶ A coarse thread screw for general exterior wood to wood applications
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER® point, designed to penetrate quickly and easily
- ▶ Compliant for all types of pressure treated wood applications
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ For wood to wood connections, minimum penetration should be 7 diameters (e.g. 1-1/4" for #8 fastener)



**EXTERIOR WOOD**

**Product #230X**

**Bugle Head GRABBER®** (2 OF 3)

**PRODUCT SIZES AND ORDERING INFORMATION**

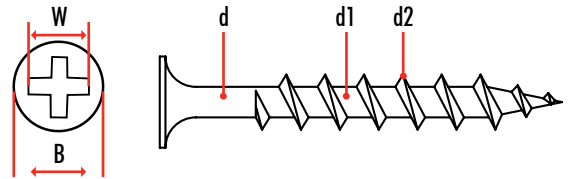
Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
100RG	#6x1"	25 mm	10 M	30.00(lbs)
300RG	#6x1-1/4"	32 mm	8 M	33.00(lbs)
200RG	#6x1-1/8"	28 mm	10 M	33.00(lbs)
400RG	#6x1-5/8"	41 mm	5 M	22.00(lbs)
500RG	#7x2"	51 mm	3.5 M	21.00(lbs)
600RG	#7x2-1/4"	57 mm	3 M	20.00(lbs)
900RG	#8x2-1/2"	63 mm	2.5 M	25.00(lbs)
1100RG	#8x3"	76 mm	2 M	22.00(lbs)
1200RG	#10x3-1/2"	89 mm	1 M	17.00(lbs)
1300RG	#10x4"	102 mm	1 M	20.00(lbs)

\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**EXTERIOR WOOD**

Product #230X

**Bugle Head GRABBER** (3 OF 3)

**PULL-OUT TEST DATA**

Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#6	339	309	18	222	224
#7	430	258	291	250	227
#8	528	500	396	246	324
#10	545	320	332	312	255

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**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, No Red Rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, No Red Rust

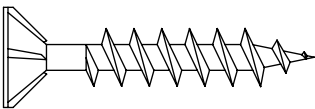
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**EXTERIOR WOOD****Product #280X****Woodys Flat Head Ribbed Screws,  
Square Drive with GRABBERGARD®** (1 OF 2)

**GrabberGard exterior grade coated screws for deck and fence attachment and general exterior wood construction to wood.**

**Finish - GRABBERGARD**



Flat Head  
With Nibs



GRABBER  
Point



Square  
Drive

**APPLICATIONS**

- ▶ Outdoor projects such as decks, docks, fences, and gazebos (with GRABBERGARD® finish)
- ▶ Indoor uses with cabinets, counters, furniture, and paneling
- ▶ Any wood-to-wood application

**SPECIFICATIONS**

- ▶ Gauge – #8 and #10
- ▶ Lengths – 1-1/8" to 4"
- ▶ Head Type – Flat
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Square recess
- ▶ Finish – Clear or Yellow Zinc, Gray Phosphate, and GRABBERGARD™  
GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**PRODUCT FEATURES**

- ▶ A superior, weather and element resistant screw
- ▶ Square recess creates a positive seat for driver
- ▶ 8 TPI design provides increased holding power
- ▶ The flat head is designed specifically for wood applications
- ▶ Ribbed head ensures flush countersinking

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**EXTERIOR WOOD**

**Product #280X**

**Woodys Flat Head Ribbed Screws,  
Square Drive with GRABBERGARD® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
78150RG	#8x1-1/2"	38 mm	5 M	31.00(lbs)
78175RG	#8x1-3/4"	45 mm	4 M	28.00(lbs)
78200RG	#8x2"	51 mm	3 M	25.00(lbs)
78250RG	#9x2-1/2"	63 mm	2.5 M	27.00(lbs)
78275RG	#9x2-3/4"	70 mm	2 M	27.00(lbs)
78300RG	#9x3"	76 mm	2.0 M	26.00(lbs)
78350RG	#10x3-1/2"	89 mm	1 M	19.00(lbs)
78400RG	#10x4"	102 mm	1 M	21.00(lbs)
78500RG	#10x5"	127 mm	1 M	15.00(lbs)
78600RG	#10x6"	152 mm	1 M	17.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

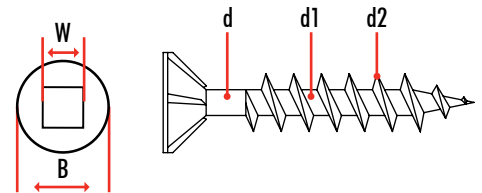
**PULL-OUT TEST DATA**

Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#10	404	402	396	314	319

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER® Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



**EXTERIOR WOOD****Product #281****Woodys Flat Head Ribbed Screws, LOX® Drive** (1 OF 2)

**LOX recess, GrabberGard exterior grade coated screws for deck and fence attachment and general exterior wood construction to wood.**

**Finish - GRABBERGARD®, GRABBERGARD® Brown, GRABBERGARD® Red and GRABBERGARD Green**

Flat Head  
With NibsType 17  
Point

LOX #2

**APPLICATIONS**

- ▶ Outdoor projects such as decks, docks, fences, and gazebos (with GRABBERGARD™ finish)
- ▶ Indoor uses with cabinets, counters, furniture, and paneling
- ▶ Any wood-to-wood application

**PRODUCT FEATURES**

- ▶ A superior, weather and element resistant screw
- ▶ The flat head is designed specifically for wood applications
- ▶ LOX® recess drive does not require a magnetic bit tip holder
- ▶ Ribbed head ensures flush countersinking
- ▶ 8 TPI design provides increased holding power

**SPECIFICATIONS**

- ▶ Gauge - #8 and #10
- ▶ Length – 1-1/2" to 4"
- ▶ Head Type – Flat
- ▶ Recess Type – LOX #2
- ▶ Thread Type – Single Lead
- ▶ Finish – GRABBERGARD® ASTM rated at 1000 hrs
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**EXTERIOR WOOD**

**Product #281**

**Woodys Flat Head Ribbed Screws, LOX® Drive** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
W8200RGB	#8x2"	51 mm	1750	15.00(lbs)
W8200RGG	#8x2"	51 mm	1750	15.00(lbs)
W8200RGR	#8x2"	51 mm	1750	15.00(lbs)
W9250RGB	#9x2-1/2"	63 mm	1750	21.00(lbs)
W9250RGG	#9x2-1/2"	63 mm	1750	21.00(lbs)
W9250RGR	#9x2-1/2"	63 mm	1750	21.00(lbs)
W9300RGB	#9x3"	76 mm	1750	25.00(lbs)
W9300RGG	#9x3"	76 mm	1750	25.00(lbs)
W9300RGR	#9x3"	76 mm <td 1750	25.00(lbs)	

\*1lb Box, Deck Pack and Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**PULL-OUT TEST DATA**

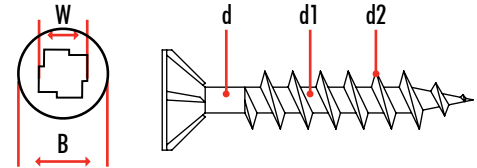
Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#9	380	391	375	280	263
#10	404	402	396	314	319

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

GRABBERGARD® and GRABBER Stainless Wood screws are produced in an ISO 9001 approved and certified environment, and meet or exceed American Society for Testing and Materials Standards ASTM Designation B117 (1000hrs) for Corrosion Resistance and D1761 for Mechanical Fasteners for Wood. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered names or trademarks by John Wagner Associates, Inc.



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**EXTERIOR WOOD****Product #281X****Flat Head Ribbed Screws, LOX® Drive** (1 OF 2)

**LOX recess, GrabberGard exterior grade coated screws for deck and fence attachment and general exterior wood construction to wood.**

**Finish - GRABBERGARD®**



Flat Head  
With Nibs



Type 17  
Point



LOX #2

**APPLICATIONS**

- ▶ Outdoor projects such as decks, docks, fences, and gazebos (with GRABBERGARD™ finish)
- ▶ Indoor uses with cabinets, counters, furniture, and paneling
- ▶ Any wood-to-wood application

**SPECIFICATIONS**

- ▶ Gauge - #8 and #10
- ▶ Length – 1-1/2" to 4"
- ▶ Head Type – Flat
- ▶ Recess Type – LOX #2
- ▶ Thread Type – Single Lead
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**PRODUCT FEATURES**

- ▶ A superior, weather and element resistant screw The flat head is designed specifically for wood applications
- ▶ LOX recess drive does not require a magnetic bit tip holder
- ▶ Ribbed head ensures flush countersinking
- ▶ 8 TPI design provides increased holding power

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**EXTERIOR WOOD**

**Product #281X**

**Flat Head Ribbed Screws, LOX® Drive** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
W8150RG	#8x1-1/2"	38 mm	2450	16.00(lbs)
W8175RG	#8x1-3/4"	45 mm	2450	18.00(lbs)
W8200RG	#8x2"	51 mm	1750	15.00(lbs)
8250JBWD	#8x2-1/2"	63 mm	2.5 M	23.00(lbs)
W9250RG	#9x2-1/2"	63 mm	1750	21.00(lbs)
W9300RG	#9x3"	76 mm	1750	25.00(lbs)
W10350RG	#10x3-1/2"	89 mm	700	15.00(lbs)
W10400RG	#10x4"	102 mm	700	16.00(lbs)

\*1lb Box and Deck Pack screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**PULL-OUT TEST DATA**

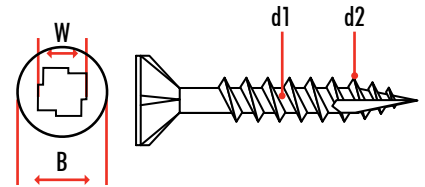
Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#9	380	391	375	280	263
#10	404	402	396	314	319

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER® Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

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**EXTERIOR WOOD**

Product #286

**AnyDeck Composite Screws,  
LOX® Drive** (1 OF 2)

Designed and engineered to work with all types of composite materials where surface mounted fasteners are recommended.

Finish - GRABBERGARD®

Undercut  
HeadGRABBER  
Point

LOX #2

**APPLICATIONS**

- ▶ All types of composite materials
- ▶ Outdoor projects such as decks, docks, fences, and gazebos

**PRODUCT FEATURES**

- ▶ Undercut head design leaves crisp clean finish with no mushrooms and burrs.
- ▶ Reverse buttress fine thread design gathers loose materials and pulls it down and out of sight.
- ▶ Coarse threads and extra sharp points provide great holding power and fast starts.
- ▶ LOX® recess drive does not require a magnetic bit tip holder

**SPECIFICATIONS**

- ▶ Gauge - #9 and #10
- ▶ Length – 2-1/2" to 3"
- ▶ Head Type – Undercut
- ▶ Recess Type – LOX #2
- ▶ Finish – GRABBERGARD™ ASTM rated at 1000 hrs
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**EXTERIOR WOOD**

**Product #286**

**AnyDeck Composite Screws,  
LOX® Drive** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
BC9250G	#9x2-1/2"	63 mm	2 M	24.00(lbs)
BC9250R	#9x2-1/2"	63 mm	2 M	27.00(lbs)
BC9300B	#9x3"	76 mm	2 M	27.00(lbs)
BC9300G	#9x3"	76 mm	2 M	27.00(lbs)
BC9300R	#9x3"	76 mm	2 M	27.00(lbs)

\*5lb Box and Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

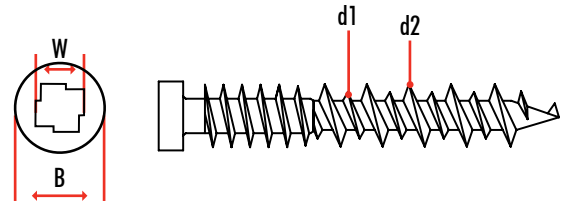
**PULL-OUT TEST DATA**

Gauge	2x2 Douglas Fir	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#9	380	391	375	280	263
#10	404	402	396	314	319

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER® Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



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**EXTERIOR WOOD****Product #DM105****Deckmaster Deck Board Screws** (1 OF 2)**For fastening Deckmaster brackets to deck boards****Finish - GRABBERGARD**

Flat Head

Type 17  
Point

LOX #2

Square  
Drive**APPLICATIONS**

- ▶ Deckmaster Hidden Fastening System

**PRODUCT FEATURES**

- ▶ The flat head is designed specifically for wood applications
- ▶ Available in #2 Square, and #2 LOX® recess drive
- ▶ The average ultimate loads of the Deckmaster System with Screws installed at 60° angle. Doug fir to redwood with 1 1/4" screws is 1,012 lbs. Doug fir to redwood with 1 3/4" screws is 1,154 lbs. Pressure treated wood with 1 1/4" screws is 1,180 lbs. Pressure treated wood with 1 3/4" screws is 1,204 lbs.

**SPECIFICATIONS**

- ▶ Gauge - #10
- ▶ Length – 1" to 1-3/4"
- ▶ Head Type – Flat
- ▶ Recess Type – #2 Square
- ▶ Thread Type – Single Lead
- ▶ Finish – 302 Stainless Steel and GRABBERGARD
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**EXTERIOR WOOD**

**Product #DM105**  
**Deckmaster® Deck Board Screws** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

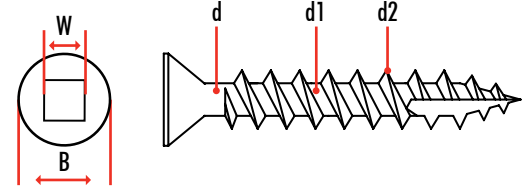
Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
DM100G-100	#10x1"	25 mm	1200	13.00(lbs)
DM125G-100	#10x1-1/4"	32 mm	1200	20.00(lbs)
DM175G-100	#10x1-3/4"	45 mm	1200	20.00(lbs)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



**EXTERIOR WOOD**

Product #DM110

**Deckmaster® Joist Screws** (1 OF 2)**For fastening Deckmaster brackets to joists****Finish - GRABBERGARD**Pan  
HeadType 17  
Point

LOX #2

Square  
Drive**APPLICATIONS**

- ▶ Deckmaster Hidden Fastening System

**PRODUCT FEATURES**

- ▶ Pan head provides a flat bearing surface
- ▶ Available in #2 Square, and #2 LOX® recess drive

**SPECIFICATIONS**

- ▶ Gauge - #8
- ▶ Length - 1"
- ▶ Head Type - Pan
- ▶ Recess Type - #2 Square
- ▶ Thread Type - Single Lead
- ▶ Finish - 302 Stainless Steel and GRABBERGARD
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and 2500 RPM.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**EXTERIOR WOOD**

**Product #DM110**

**Deckmaster® Joist Screws** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

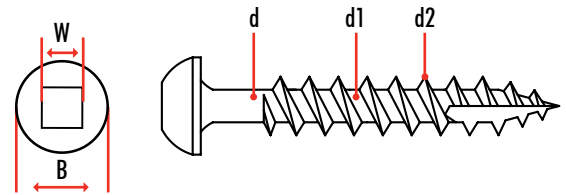
Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
DM100JP-100	#8x1"	25 mm	1100	14.00(lbs)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



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**Light Gauge Metal (20-25)****Product #285****Bugle Head Cabinet STREAKER®** (1 OF 2)**For cabinet assembly attaching to 20-14 gauge steel or wood.****Finish - Black/Gray Phosphate**Bugle  
Head23° Streaker®  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ Cabinet assembly and installation
- ▶ Face frame assembly

**PRODUCT FEATURES**

- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily
- ▶ The Bugle head is designed to seat fast and easily into soft wood or drywall, creating a flush surface finish.
- ▶ #2 Phillips Recess

**SPECIFICATIONS**

- ▶ Gauge - #7
- ▶ Length - 1-1/2"
- ▶ Head Type - Bugle
- ▶ Recess Type - #2 Phillips
- ▶ Thread Type - Single Lead
- ▶ Finish - Black/Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and 2500 RPM.
- ▶ The bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**Light Gauge Metal (20-25)**

**Product #285**

**Bugle Head Cabinet STREAKER® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
6W	#7x1-1/2"	38 mm	5 M	20.00(lbs)

\*1lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

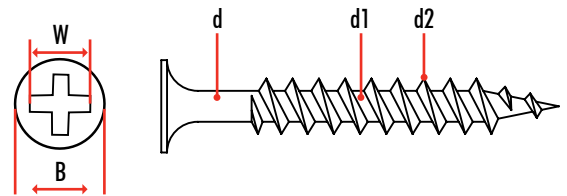
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	20	222	817
	25	100	245

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust



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**Light Gauge Metal (20-25)****Product #210****Scavenger® Head Fastener (1 OF 2)**

Attaches gypsum board to 25-20 ga. steel. Unique Scavenger® head helps reduce paper burrs.

Finish - Black/Gray Phosphate



Scavenger  
Head



23° Streaker®  
Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ 1/2" to 5/8" single-layer gypsum board to 20 – 25 gauge steel studs and runners
- ▶ 1/2" and 5/8" double-layer gypsum boards to 20 –
- ▶ 25 gauge steel studs, runners, furring, and Z furring channels
- ▶ 1" coreboard to metal angle runners in solid partition

**SPECIFICATIONS**

- ▶ Gauge – #6
- ▶ Lengths – 1" to 1-5/8"
- ▶ Head Type – SCAVENGER®
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**PRODUCT FEATURES**

- ▶ Unique head configuration helps eliminate paper burrs and aids proper seating of fasteners. A fine thread screw for general interior applications 15 threads per inch
- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The SCAVENGER® head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of fastener or strip out of the work surface.
- ▶ The fastener must penetrate beyond the metal three full thread pitches.

**Light Gauge Metal (20-25)**

**Product #210**

**Scavenger® Head Fastener (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
168S	#6x1"	25 mm	10 M	28.00(lbs)
368S	#6x1-1/4"	32 mm	8 M	30.00(lbs)
268S	#6x1-1/8"	28 mm	10 M	32.00(lbs)
468S	#6x1-5/8"	41 mm	5 M	22.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.27	3.45	15
	8.50	0.80		2.72	2.42	3.58	

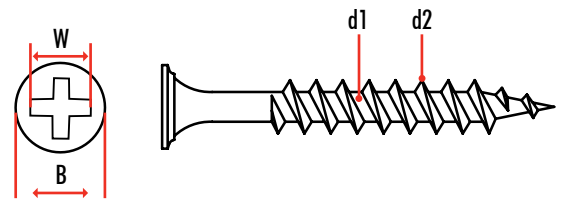
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	20	237	557
	25	139	278

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Light Gauge Metal (20-25)****Product #212****Bugle Head STREAKER®** (1 OF 3)

Attaches gypsum board or wood to wood or 25-20 ga. steel or wood. Standard bugle head.

Finish - Black/Gray Phosphate, Clear Zinc and GRABBERGARD®

Bugle  
Head23° Streaker®  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ 1/2" and 5/8" single-layer gypsum board to steel studs and track
- ▶ 1/2" and multiple-layer gypsum board to steel studs and track
- ▶ Steel or wood cabinets through single-layer gypsum board to steel studs, 20 – 25 gauge
- ▶ OSB or plywood to 20 – 25 steel

**PRODUCT FEATURES**

- ▶ A fine-thread screw for general interior applications
- ▶ Ideal for use with 20 and 25 gauge steel 12 – 15 threads per inch
- ▶ Super sharp, 23° STREAKER® Point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive
- ▶ The Bugle head is designed to seat fast and easily into soft wood or drywall, creating a flush surface finish.

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Length – 1" to 6"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER® screws are manufactured in a ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specifications for optimal performance – 4 amps minimum and RPM range of 0 – 4000.
- ▶ The bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the STREAKER® or stripout of the work surface.
- ▶ The STREAKER® must penetrate beyond the metal a minimum of three thread pitches.

**Light Gauge Metal (20-25)**

**Product #212**

**Bugle Head STREAKER® (2 OF 3)**

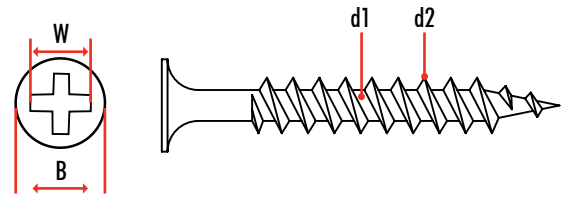
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
168Z	#6x1"	25 mm	10 M	29.00(lbs)
168	#6x1"	25 mm	10 M	29.00(lbs)
368Z	#6x1-1/4"	32 mm	8 M	30.00(lbs)
368RG	#6x1-1/4"	32 mm	8 M	30.00(lbs)
368	#6x1-1/4"	32 mm	8 M	30.00(lbs)
268	#6x1-1/8"	28 mm	10 M	32.00(lbs)
268RG	#6x1-1/8"	28 mm	10 M	32.00(lbs)
268Z	#6x1-1/8"	28 mm	10 M	32.00(lbs)
468	#6x1-5/8"	41 mm	5 M	22.00(lbs)
468RG	#6x1-5/8"	41 mm	5 M	22.00(lbs)
468Z	#6x1-5/8"	41 mm	5 M	22.00(lbs)
768Z	#6x2"	51 mm	3.5 M	22.00(lbs)
768	#6x2"	51 mm	3.5 M	22.00(lbs)
868	#7x2-1/4"	57 mm	3 M	20.00(lbs)
868Z	#7x2-1/4"	57 mm	3 M	20.00(lbs)
368RG8	#8x1-1/4"	32 mm	8 M	30.00(lbs)
968	#8x2-1/2"	63 mm	2.5 M	20.00(lbs)
968Z	#8x2-1/2"	63 mm	2.5 M	20.00(lbs)
1168Z	#8x3"	76 mm	2 M	22.00(lbs)
1168	#8x3"	76 mm	2 M	22.00(lbs)
1268	#10x3-1/2"	89 mm	1 M	17.00(lbs)
1268Z	#10x3-1/2"	89 mm	1 M	17.00(lbs)
1368	#10x4"	102 mm	1 M	21.00(lbs)
1468	#10x4-1/2"	115 mm	1 M	21.00(lbs)
1568	#10x5"	127 mm	1 M	24.00(lbs)
1768	#10x6"	152 mm	1 M	28.00(lbs)

\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



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**Light Gauge Metal (20-25)**

**Product #212**

**Bugle Head STREAKER®** (3 OF 3)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.27	3.45	15
	8.50	0.80		2.72	2.42	3.58	
#7	8.00	0.50	#2	2.93	2.40	3.75	15
	8.50	0.80		2.97	2.55	3.90	
#8	8.00	0.50	#2	3.18	2.80	4.08	15
	8.50	0.80		3.22	3.00	4.20	
#10	8.50	0.50	#2	3.78	3.20	4.75	12
	8.90	0.80		3.82	3.40	4.95	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	20	237	557
	25	139	278
#7	20	222	817
	25	100	245
#8	20	342	785
	25	145	325
#10	20	392	418
	25	171	358

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Light Gauge Metal (20-25)****Product #212A****Bugle Head STREAKER® USA** (1 OF 2)

**Attaches gypsum board or wood to wood or 25-20 ga. steel or wood. Standard bugle head.**

**Finish - Black/Gray Phosphate**



Bugle  
Head



23° STREAKER®  
Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ 1/2" and 5/8" single-layer gypsum board to steel studs and track
- ▶ 1/2" and multiple-layer gypsum board to steel studs and track
- ▶ Steel or wood cabinets through single-layer gypsum board to steel studs, 20 – 25 gauge
- ▶ OSB or plywood to 20 – 25 steel

**PRODUCT FEATURES**

- ▶ A fine-thread screw for general interior applications
- ▶ Ideal for use with 20 and 25 gauge steel 12 – 15 threads per inch
- ▶ Super sharp, 23° STREAKER® Point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive The Bugle head is designed to seat fast and easily into soft wood or drywall, creating a flush surface finish.

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Length – 1" to 6"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER® screws are manufactured in a ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specifications for optimal performance – 4 amps minimum and RPM range of 0 – 4000.
- ▶ The bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the STREAKER® or stripout of the work surface.
- ▶ The STREAKER® must penetrate beyond the metal a minimum of three thread pitches.

**Light Gauge Metal (20-25)**

**Product #212A**

**Bugle Head STREAKER® USA** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
168A	#6x1"	25 mm	10 M	30.00(lbs)
168HLA	#6x1"	25 mm	10 M	30.00(lbs)
368A	#6x1-1/4"	32 mm	10 M	30.00(lbs)
368HLA	#6x1-1/4"	32 mm	8 M	30.00(lbs)
268A	#6x1-1/8"	28 mm	10 M	35.00(lbs)
468A	#6x1-5/8"	41 mm	5 M	24.00(lbs)
468HLA	#6x1-5/8"	41 mm	5 M	24.00(lbs)
768A7	#7x2"	51 mm	3.5 M	28.00(lbs)
968A8	#8x2-1/2"	63 mm	2.5 M	21.00(lbs)
1168A	#8x3"	76 mm	2 M	21.00(lbs)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2 2.68	2.27	3.45	15	
	8.50	0.80		2.72	2.42	3.58	
#7	8.00	0.50	#2	2.93	2.40	3.75	15
	8.50	0.80		2.97	2.55	3.90	
#8	8.00	0.50	#2	3.18	2.80	4.08	15
	8.50	0.80		3.22	3.00	4.20	
#10	8.50	0.50	#2	3.78	3.20	4.75	12
	8.90	0.80		3.82	3.40	4.95	

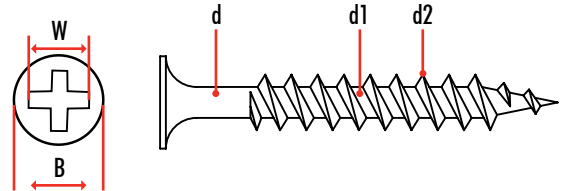
**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	20	237	557
	25	139	278
#7	20	222	817
	25	100	245
#8	20	342	785
	25	145	325

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



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**Light Gauge Metal (20-25)****Product #214****Trim Head STREAKER®** (1 OF 2)

**Attaches interior wood to light gauge metal and wood. Streaker point means quick and easy penetration while the smaller, less noticeable head provides a finished look.**

**Finish - Black/Gray Phosphate**



Trim  
Head



23° Streaker®  
Point



#1 Square  
Drive

**APPLICATIONS**

- ▶ Wood trim over single and double-layer gypsum board to 20 to 25 gauge steel studs and track
- ▶ Wood trim over single and double-layer gypsum board to wood studs

**PRODUCT FEATURES**

- ▶ A fine thread screw for finishing applications
- ▶ 15 threads per inch
- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily
- ▶ #1 square recess drive

**SPECIFICATIONS**

- ▶ Gauge – #7 and #8
- ▶ Lengths – 1-5/8" to 3"
- ▶ Head Type – Trim
- ▶ Recess Type – #1 Phillips or #1 square
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate, Clear Zinc, GRABBERGARD
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Trim head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches



**Light Gauge Metal (20-25)**

**Product #214**

**Trim Head STREAKER® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
17S100	#7x1"	25 mm	10 M	29.00(lbs)
17S	#7x1-5/8"	41 mm	10 M	49.00(lbs)
18S	#7x2-1/4"	57 mm	5 M	34.00(lbs)
17S76	#8x3"	76 mm	2 M	21.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.20	#1	2.93	2.40	3.75	15
	5.80	1.50		2.97	2.55	3.90	
#8	5.30	1.20	#1	3.18	2.80	4.00	15
	5.80	1.50		3.22	3.00	4.20	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

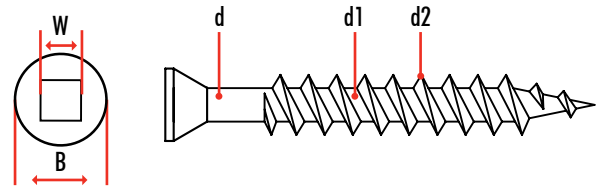
**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	20	222	817
	25	100	245
#8	20	342	785
	25	145	325

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



**Light Gauge Metal (20-25)****Product #216****Pan Framing Head STREAKER®** (1 OF 2)

**Pan head fine thread fasteners designed for attaching 25-20 ga. steel. Unique grip-tight, high torque pan head design.**

**Finish - Black/Gray Phosphate**



Pan  
Head



23° Streaker®  
Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ Steel studs to track, 20 to 25 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Other metal-to-metal applications where high torque is required
- ▶ Sheet metal fabrication

**SPECIFICATIONS**

- ▶ Gauge – #7
- ▶ Length – 7/16"
- ▶ Head Type – Pan Framing
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ A fine thread screw for metal-to-metal framing applications
- ▶ 15 or 20 threads per inch
- ▶ High torque Pan Framing Head
- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Light Gauge Metal (20-25)**

**Product #216**

**Pan Framing Head STREAKER® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
23	#7x7/16"	11 mm	15 M	51.00(lbs)
23A	#7x7/16"	11 mm	15 M	44.00(lbs)
23F	#7x7/16"	11 mm	15 M	51.00(lbs)

\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.20	#1	2.93	2.40	3.75	15
	5.80	1.50		2.97	2.55	3.90	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

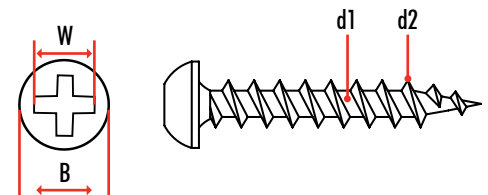
**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	20	303	776
	25	107	372

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



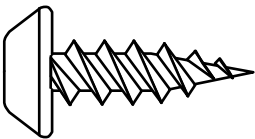
All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012..



**Light Gauge Metal (20-25)****Product #PS70****Pan Head VECTOR™** (1 OF 2)

**Pan head fine thread fasteners designed for attaching 25-20 ga. steel. Unique grip-tight, high torque pan head design.**

**Finish - Black/Gray Phosphate**



Pan Head



Vector Point



#2 Phillips Drive

**APPLICATIONS**

- ▶ Steel studs to track, 20 to 25 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Other metal-to-metal applications where high torque is required
- ▶ Sheet metal fabrication

**SPECIFICATIONS**

- ▶ Gauge – #7
- ▶ Length – 7/16"
- ▶ Head Type – Pan Framing
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ A fine thread screw for metal-to-metal framing applications
- ▶ 15 or 20 threads per inch
- ▶ High torque Pan Framing Head
- ▶ Super sharp, Vector point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Light Gauge Metal (20-25)**

**Product #PS70**

**Pan Head VECTOR™ (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
23V	#7x7/16"	11 mm	15 M	51.00(lbs)

\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.20	#1	2.93	2.40	3.75	15
	5.80	1.50		2.97	2.55	3.90	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

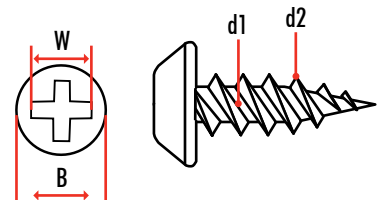
**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	20	303	776
	25	107	372

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012..



**Light Gauge Metal (20-25)****Product #218****Hex Head STREAKER®** (1 OF 2)

**High-torque hex washer head for fast framing and sheet metal work in 25-20 ga.  
Use 1/4-in nut setter.**

**Finish - Black/Gray Phosphate**



Hex Head

23° Streaker®  
Point

Hex Drive

**APPLICATIONS**

- ▶ Steel studs to door frame jamb anchor clips
- ▶ Other metal-to-metal applications where high torque is required
- ▶ Sheet metal and duct assembly

**PRODUCT FEATURES**

- ▶ A fine thread screw for metal-to-metal framing applications
- ▶ 15 threads per inch
- ▶ High torque hex head, which can be easily removed when necessary
- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily

**SPECIFICATIONS**

- ▶ Gauge – #8
- ▶ Length – 9/16"
- ▶ Head Type – Hex
- ▶ Thread Type – Double Lead
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Hex head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Light Gauge Metal (20-25)**

**Product #218**

**Hex Head STREAKER®** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
G02	#8x1/2"	13 mm	15,000	33.00(lbs)
25Z	#8x9/16"	14 mm	10 M	33.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	8.18	6.20		3.18	2.80	4.00	15
	8.84	6.35		3.22	3.00	4.20	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, No Red Rust

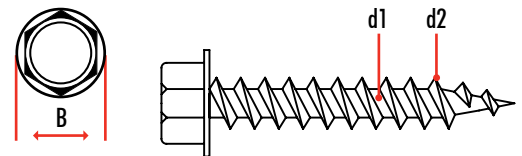
**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	20	342	785
	25	145	325

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Light Gauge Metal (20-25)****Product #220****Wafer Head STREAKER®** (1 OF 2)**Attaches metal lath to wood or to 25-20 ga. steel studs and framing.****Finish - Clear Zinc and GRABBERGARD Gray**Wafer  
Head23° Streaker®  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ Steel studs to 20 to 25 gauge track
- ▶ Metal K-lath, wire lath, wood grounds, and metal studs to 20 – 25 gauge steel
- ▶ Other metal-to-metal applications that require low profile head exposure

**SPECIFICATIONS**

- ▶ Gauge – #8
- ▶ Lengths – 9/16" to 3"
- ▶ Head Type – Wafer
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate or Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ A fine thread screw for metal-to-metal applications
- ▶ Low profile head exposure
- ▶ 15 threads per inch
- ▶ Super sharp, 23° STREAKER® point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive
- ▶ Wafer head provides a greater bearing surface than other fasteners

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Wafer head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.



**Light Gauge Metal (20-25)**

**Product #220**

**Wafer Head STREAKER® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
32RG	#8x1"	25mm	5 M	26.00(lbs)
32Z	#8x1"	25 mm	5 M	26.00(lbs)
3138Z	#8x1-1/2"	38 mm	3 M	21.00(lbs)
33RG	#8x1-1/4"	32 mm	5 M	31.00(lbs)
33Z	#8x1-1/4"	32 mm	5 M	31.00(lbs)
3151Z	#8x2"	51 mm	2.5 M	22.00(lbs)
3163Z	#8x2-1/2"	63 mm	2.5 M	26.00(lbs)
3176Z	#8x3"	76 mm	1 M	12.00(lbs)
31RG	#8x9/16"	14 mm	10 M	37.00(lbs)
31Z	#8x9/16"	14 mm	10 M	37.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	10.80	2.00	#2	3.18	2.80	3.20	15
	11.40	2.40		3.22	3.00	3.40	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, No Red Rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

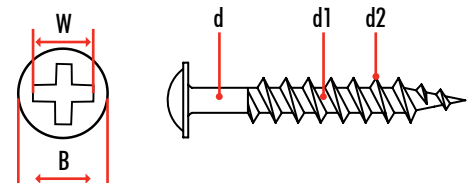
**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	20	342	785
	25	145	325

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Light Gauge Metal (20-25)****Product #PS120****Wafer Head VECTOR™** (1 OF 2)**Attaches metal lath to wood or to 25-20 ga. steel studs and framing.****Finish - Clear Zinc and Gray/Black Phosphate**Wafer  
Head

Vector Point

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Steel studs to 20 to 25 gauge track
- ▶ Metal K-lath, wire lath, wood grounds, and metal studs to 20 – 25 gauge steel
- ▶ Other metal-to-metal applications that require low profile head exposure

**SPECIFICATIONS**

- ▶ Gauge – #7
- ▶ Lengths – 9/16"
- ▶ Head Type – Wafer
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Double Lead
- ▶ Finish – Gray Phosphate or Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ A fine thread screw for metal-to-metal applications
- ▶ Low profile head exposure
- ▶ 20 threads per inch
- ▶ Super sharp, Vector point, designed to penetrate steel quickly and easily
- ▶ #2 Phillips recess drive
- ▶ Wafer head provides a greater bearing surface than other fasteners

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Wafer head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Light Gauge Metal (20-25)**

**Product #PS120**

**Wafer Head VECTOR™ (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
31V	#7x9/16"	14 mm	10 M	37.00(lbs)
31ZV	#7x9/16"	14 mm	10 M	37.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	11.10	2.24	#2	3.18	2.38	3.65	20
	11.60	2.74		3.22	2.58	3.85	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, No Red Rust
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

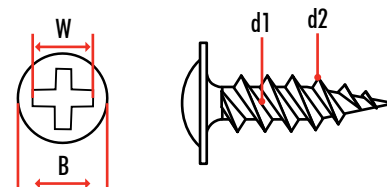
**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
20	0.0396"	1 mm
25	0.0188"	.6 mm

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	20	89	327
	25	40	98

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



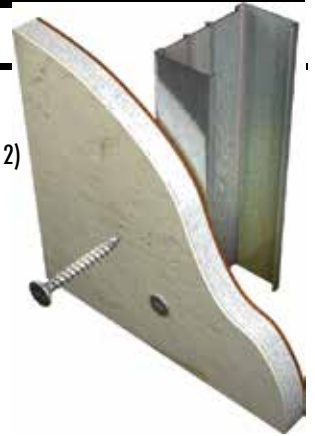
Light Gauge Metal (20-25)

Product #224

# GRABBER® Scavenger® High/ Low Threaded Screws (1 OF 2)

Designed for drywall to light metal or wood applications.

Finish - Black/Gray Phosphate



Scavenger®  
Head



23° Streaker®  
Point



#2 Phillips  
Drive

## APPLICATIONS

- ▶ Drywall to light metal or wood

## PRODUCT FEATURES

- ▶ Super sharp 30° STREAKER® Point you get quick and easy penetration into metal studs.
- ▶ #2 Phillips recess

## SPECIFICATIONS

- ▶ Gauge - #6 - #8
- ▶ Length - 1" to 3"
- ▶ Head Type - Scavenger
- ▶ Recess Type - #2 Phillips
- ▶ Thread Type - Alternating High/Low Thread
- ▶ Finish - Black/Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

## INSTALLATION GUIDELINES

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**Light Gauge Metal (20-25)**

**Product #224**

**GRABBER® Scavenger® High/Low Threaded Screws (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
168SHL	#6x1"	25 mm	10 M	29.00(lbs)
368SHL	#6x1-1/4"	32 mm	8 M	30.00(lbs)
268SHL	#6x1-1/8"	28 mm	10 M	32.00(lbs)
468SHL	#6x1-5/8"	41 mm	5 M	22.00(lbs)
768SHL	#7x2"	51 mm	3.5 M	19.00(lbs)
968SHL	#8x2-1/2"	63 mm	2.5 M	21.00(lbs)
1168SHL	#8x3"	76 mm	3 M	22.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

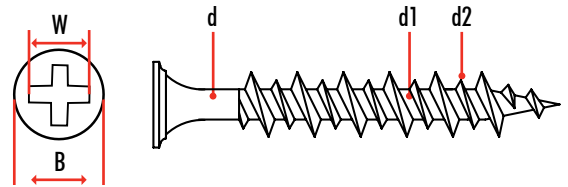
**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	20	237	557
	25	139	278
#7	20	222	817
	25	100	245
#8	20	342	785
	25	145	325

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Light Gauge Metal (20-25)**

Product #224A

**GRABBER® Bugle High/ Low Threaded Screws** (1 OF 2)

Designed for drywall to light metal 20-25ga. or wood applications.

Finish - Black/Gray Phosphate

Bugle  
Head23° Streaker®  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ Drywall to light metal or wood

**PRODUCT FEATURES**

- ▶ Super sharp 30° STREAKER® Point you get quick and easy penetration into metal studs.
- ▶ #2 Phillips recess

**SPECIFICATIONS**

- ▶ Gauge - #6 - #8
- ▶ Length - 1" to 3"
- ▶ Head Type - Bugle
- ▶ Recess Type - #2 Phillips
- ▶ Thread Type - Alternating High/Low Thread
- ▶ Finish - Black/Gray Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**Light Gauge Metal (20-25)**

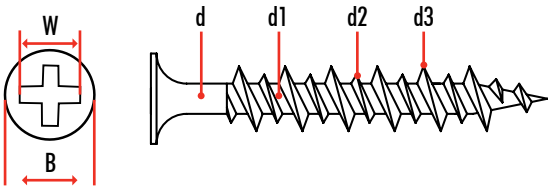
**Product #224A**

**GRABBER® Bugle High/ Low Threaded Screws (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
168HLA	#6x1"	25 mm	10 M	29.00(lbs)
368HLA	#6x1-1/4"	32 mm	8 M	30.00(lbs)
268HLA	#6x1-1/8"	28 mm	10 M	32.00(lbs)
468HLA	#6x1-5/8"	41 mm	5 M	22.00(lbs)
768HLA	#7x2"	51 mm	3.5 M	19.00(lbs)
968HLA	#8x2-1/2"	63 mm	2.5 M	21.00(lbs)
1168HLA	#8x3"	76 mm	3 M	22.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.



**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, No Red Rust

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	20	237	557
	25	139	278
#7	20	222	817
	25	100	245
#8	20	342	785
	25	145	325

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**SHEET STEEL GAUGES**

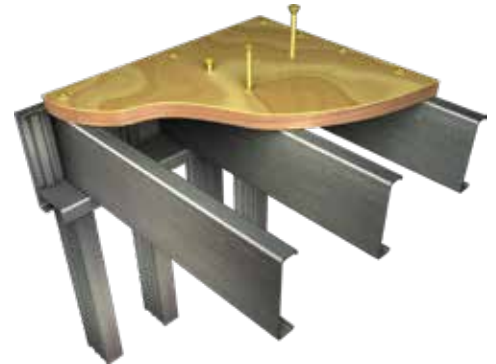
Gauge No.	Decimal Equivalent	Millimeter Equivalent
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm
22	0.0285"	.76 mm

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #222****Flat Head STABBER®** (1 OF 2)

**Self tapping screws for attaching plywood or OSB to steel studs/track**  
**Finish - Yellow Zinc, Clear Zinc and GRABBERGARD**



Flat Head

23° Streaker®  
Point

LOX #2

**APPLICATIONS**

- ▶ Plywood or OSB to 22-16 gauge steel runners or wood joists

**SPECIFICATIONS**

- ▶ Gauge – #8
- ▶ Length – 1-1/4" to 3"
- ▶ Point – STREAKER®
- ▶ Head Type – Flat
- ▶ Recess – LOX
- ▶ Thread Type – Double Lead, 14 Threads per Inch
- ▶ Finish – Yellow Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ Self tapping STREAKER® point is designed for penetration into 22-16 gauge steel.
- ▶ Flat head provides a flush finished surface
- ▶ LOX® recess does not require a magnetic bit tip holder

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.



**Heavy Gauge Metal** (20ga or thicker)

**Product #222**

**Flat Head STABBER®** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
S8150JBWYZ	#8x1-1/2"	38 mm	4M	31.00(lbs)
S8150JBWZ	#8x1-1/2"	38 mm	4M	31.00(lbs)
S8175JBWYZ	#8x1-3/4"	45 mm	4M	28.00(lbs)
CS8200JBWYZ	#8x2"	51 mm	1M	9.00(lbs)
CS8250JBWYZ	#8x2-1/2"	63 mm	1 M	9.00(lbs)

\*Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	8.60	0	LOX®	3.34	2.95	4.10	14
	9.20	0		3.38	3.12	4.30	

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	14	765	2064
	16	621	1461
	18	336	717
	20	231	483
	22	177	326
#10	14	819	2064
	16	654	1461
	18	339	717
	20	246	483
	22	175	326

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

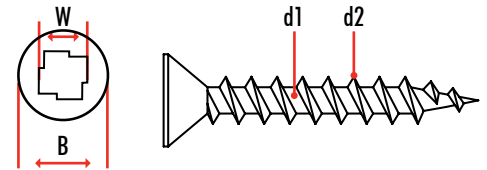
All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray	ASTM B117 Results	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm
22	0.0285"	.76 mm



\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



**Heavy Gauge Metal** (20ga or thicker)**Product #238****GRABBER® Flat Head PlyLock® Winged Driller #3 Point LOX® Drive (collated)** (1 OF 2)**Fasteners used in the screwing of the wood-deck or plywood/OSB subflooring panels.****Finish - Yellow Zinc**

Flat Head



Drill Point



LOX®

**APPLICATIONS**

- ▶ GRABBER Wood to Metal – Wood to Metal fastening Eagle® screws are a #10 gauge “wood to metal sheathing” type of fastener used in the screwing of the wood-deck or plywood/OSB subflooring panels. The fasteners can be single-hand driven (bulk) or collated

**PRODUCT FEATURES**

- ▶ Yellow Zinc finish per ASTM B117
- ▶ LOX® #3 Drive
- ▶ Hi-Lo Threading
- ▶ 14 TPI
- ▶ #3 Winged Driller Type S-12

**SPECIFICATIONS**

- ▶ Gauge - #10
- ▶ Length – 1-3/4" to 2-1/2"
- ▶ Point – #3 Winged Drill Point
- ▶ Head Type – Flat
- ▶ Recess Type – #3 LOX®
- ▶ Thread Type – 14 Threads per inch, 7 High, and 7 Low
- ▶ Finish – Yellow Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Minimum 2500 rpm 4 amp screwgun recommended
- ▶ Install screws flush with surface, or with a countersink

**Heavy Gauge Metal** (20ga or thicker)

**Product #238**

**GRABBER® Flat Head PlyLock® Winged Driller #3 Point LOX® Drive (collated)** (1 OF 2)

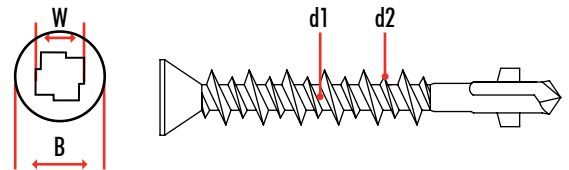
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
C10175L3YZE	#10x1-3/4"	45 mm	1000	7.00(lbs)
C10200L3GE	#10x2"	51 mm	1000	12.00(lbs)
C10200L3YZE	#10x2"	51 mm	1000	12.00(lbs)
C10250L3YZE	#10x2-1/2"	63 mm	1000	14.00(lbs)

\*Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
10	3	0.110-0.175	20-8

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**Heavy Gauge Metal** (20ga or thicker)**Product #240****Bugle Head DRIVALL® Self Drilling** (1 OF 3)

Attaches drywall or wood to heavy gauge metal 20-8 gauge. Bugle head creates a smooth professional finish.

Finish - Black/Gray Phosphate, Clear Zinc and GRABBERGARD

Bugle  
Head

Drill Point

#2 Phillips  
Drive

LOX

**APPLICATIONS**

- ▶ Self-drilling screws used to attach drywall to heavy gauge metal 20-8 gauge.
- ▶ Gypsum board to 20-8 gauge steel studs and track
- ▶ Insulation to steel, 20-8 gauge
- ▶ Collated or Bulk

**PRODUCT FEATURES**

- ▶ ACQ and Fire Treated wood Compliant with GRABBERGARD Coating
- ▶ 14 TPI
- ▶ Bugle head creates a smooth professional finish.
- ▶ #2 Phillips recess drive or LOX®
- ▶ Drill point is designed for penetration into 20-8 gauge steel

**SPECIFICATIONS**

- ▶ Gauge - #6 - #10
- ▶ Length - 1" to 5"
- ▶ Head Type - Bugle
- ▶ Recess Type - #2 Phillips or LOX®
- ▶ Thread Type - Single Lead
- ▶ Finish - Black/Gray Phosphate, Clear Zinc and GRABBERGARD®
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCFS ES ER #5280

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and 2500 RPM.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.
- ▶ Minimum 2500 rpm 4 amp screwgun recommended
- ▶ Install screws flush with surface, or with a countersink

**Heavy Gauge Metal** (20ga or thicker)

**Product #240**

**Bugle Head DRIVALL® Self Drilling** (2 OF 3)

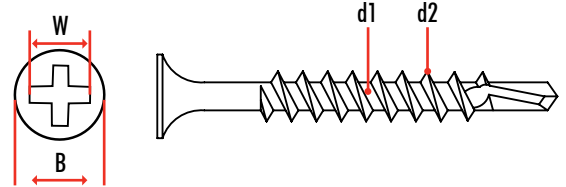
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
14RG	#6x1-1/4"	32 mm	8 M	32.00(lbs)
15RG	#6x1-5/8"	41 mm	5 M	22.00(lbs)
16RG	#6x1-7/8"	47 mm	4 M	26.00(lbs)
30SRG	#8x2-3/8"	60 mm	3 M	28.00(lbs)
30SRG	#8x2-3/8"	60 mm	3 M	28.00(lbs)
14Z8LOX®	#8x1-1/4"	32 mm	1 M	7.00(lbs) (Collated only)
30MRG	#8x2-5/8"	66 mm	2 M	20.00(lbs)
30LRG	#8x3"	76 mm	2 M	20.00(lbs)
B10350SDL2RG	#10x3-1/2"	89 mm	1 M	22.00(lbs)
B10350SDL2Z	#10x3-1/2"	89 mm	1 M	22.00(lbs)
B10350SDRG	#10x3-1/2"	89 mm	1 M	22.00(lbs)
B10350SDZ	#10x3-1/2"	89 mm <td 1 M	22.00(lbs)	
B10400SDL2Z	#10x4"	102 mm	1 M	24.00(lbs)
B10400SDRG	#10x4"	102 mm	1 M	24.00(lbs)
B10400SDZ	#10x4"	102 mm	1 M	24.00(lbs)
B10450LYZ	#10x4-1/2"	115 mm	1 M	25.00(lbs)
B10500SDL2Z	#10x5"	127 mm	1 M	26.00(lbs)
B10500SDRG	#10x5"	127 mm	1 M	26.00(lbs)
B10500SDZ	#10x5"	127 mm	1 M	26.00(lbs)

\*Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, no red rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
6	3	0.090-0.110	20-12
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #240A****Bugle Head DRIVALL® Self Drilling** (1 OF 2)

Attaches drywall or wood to heavy gauge metal 20-12 gauge. Bugle head creates a smooth professional finish.

Finish - Black/Gray Phosphate, Clear Zinc and GRABBERGARD

Bugle  
Head

Drill Point

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Self-drilling screws used to attach drywall to heavy gauge metal 20-12 gauge.
- ▶ Gypsum board to 20-12 gauge steel studs and track
- ▶ Insulation to steel, 20-12 gauge
- ▶ Collated or Bulk

**PRODUCT FEATURES**

- ▶ ACQ and Fire Treated wood Compliant with GRABBERGARD Coating
- ▶ 14 TPI
- ▶ Bugle head creates a smooth professional finish.
- ▶ #2 Phillips recess drive
- ▶ Drill point is designed for penetration into 20-12 gauge steel

**SPECIFICATIONS**

- ▶ Gauge - #8
- ▶ Length – 1-1/4"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips or LOX®
- ▶ Thread Type – Single Lead
- ▶ Finish – Black/Gray Phosphate, Clear Zinc and GRABBERGARD®
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC-ES ESR#1271

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.
- ▶ Minimum 2500 rpm 4 amp screwgun recommended
- ▶ Install screws flush with surface, or with a countersink

**Heavy Gauge Metal** (20ga or thicker)

**Product #240A**

**Bugle Head DRIVALL® Self Drilling** (2 OF 2)

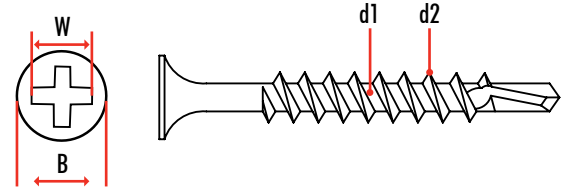
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
13A	#6x1"	25 mm	10 M	33.00(lbs)
14ZA	#6x1-1/4"	32 mm	8 M	33.00(lbs)
15A	#6x1-5/8"	41 mm	5 M	27.00(lbs)
15ZA	#6x1-5/8"	41 mm	5 M	27.00(lbs)
16A	#6x1-7/8"	47 mm	4 M	27.00(lbs)
16ZA	#6x1-7/8"	47 mm	4 M	27.00(lbs)

\*Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, no red rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
6	3	0.090-0.110	20-12
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #240S****Scavenger® Head DRIVALL® Self Drilling** (1 OF 3)

**Attaches gypsum, insulation board, wood, etc. to metal studs 20-12 ga. Unique Scavenger® head helps reduce paper burrs.**

**Finish - Black/Gray Phosphate, Clear**



Scavenger®  
Head



Drill Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ Gypsum board to 20-12 gauge steel studs and track
- ▶ Insulation to steel, 20-12 gauge

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into 20-12 gauge steel
- ▶ #2 Phillips recess drive
- ▶ Scavenger® head will seat fast and easily and create a flush surface finish
- ▶ Unique head configuration helps eliminate paper burrs and aids proper seating of fasteners

**SPECIFICATIONS**

- ▶ Gauge – #6 to #8
- ▶ Lengths – 1" to 3"
- ▶ Head Type – SCAVENGER®
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate and Clear Zinc GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Scavenger head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.



**Heavy Gauge Metal** (20ga or thicker)

**Product #240S**

**Scavenger® Head DRIVALL® Self Drilling** (2 OF 3)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
13S	#6x1"	25 mm	10 M	33.00(lbs)
13SZ	#6x1"	25 mm	10 M	33.00(lbs)
14S	#6x1-1/4"	32 mm	8 M	33.00(lbs)
14SZ	#6x1-1/4"	32 mm	8 M	33.00(lbs)
135S	#6x1-1/8"	28 mm	10 M	37.00(lbs)
135SZ	#6x1-1/8"	28 mm	10 M	37.00(lbs)
15S	#6x1-5/8"	41 mm	5 M	22.00(lbs)
15SZ	#6x1-5/8"	41 mm	5 M	22.00(lbs)
16S	#6x1-7/8"	47 mm	4 M	26.00(lbs)
16SZ	#6x1-7/8"	47 mm	4 M	26.00(lbs)
30SS	#8x2-3/8"	60 mm	3 M	28.00(lbs)
30SSZ	#8x2-3/8"	60 mm	3 M	28.00(lbs)
30MS	#8x2-5/8"	66 mm	2 M	20.00(lbs)
30MSZ	#8x2-5/8"	66 mm	2 M	20.00(lbs)
30LS	#8x3"	76 mm	2 M	22.00(lbs)
30LSZ	#8x3"	76 mm <td 2 M	22.00(lbs)	

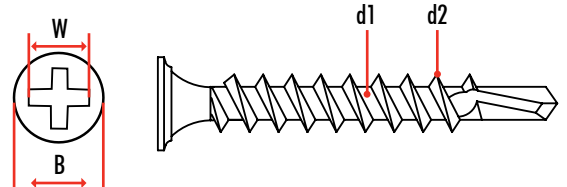
\*1lb Box, 5lb Box and Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD®	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD®	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
6	3	0.090-0.110	20-12
8	3	0.100-0.140	20-12

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**Heavy Gauge Metal** (20ga or thicker)

**Product #240S**

**Scavenger® Head DRIVALL® Self Drilling** (3 OF 3)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	2.64	#2	2.78	2.40	3.40	20
	8.50	3.00		2.82	2.60	3.60	
#7	8.00	2.64	#2	3.03	2.45	3.75	19
	8.50	3.00		3.07	2.65	3.95	
#8	8.00	2.64	#2	3.28	2.85	4.05	18
	8.50	3.00		3.32	3.05	4.25	

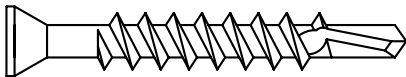
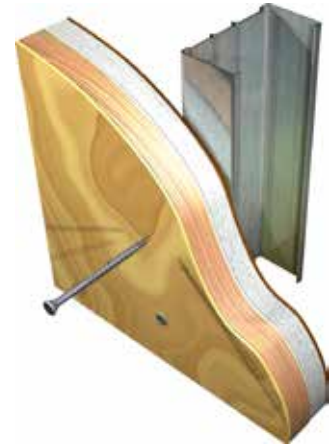
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	14	906	1145
	16	265	792
	18	287	797
	20	237	557
#7	14	708	1479
	16	454	1148
	18	361	1140
	20	213	777
#8	14	450	1012
	16	442	955
	18	340	1045
	20	265	680
#10	14	722	0
	16	0	698
	18	0	684
	20	0	456
	22	0	390

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #242****Trim Head DRIVALL® Self Drilling** (1 OF 2)**Attaches wood trim over single or double layer gypsum board to 20-12 ga. steel.****Finish - Black/Gray Phosphate**Trim  
Head

Drill Point

#1 Square  
Drive**APPLICATIONS**

- ▶ Wood trim over single and double layer gypsum board to 20-12 gauge steel studs and track

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into 20-12 gauge steel
- ▶ #1 Phillips recess or #1 square drive
- ▶ Trim head leaves a finished surface

**SPECIFICATIONS**

- ▶ Gauge – #7 and #8
- ▶ Lengths – 1-5/8" to 3"
- ▶ Head Type – Trim
- ▶ Recess Type - #1 Square
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate, Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Trim head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #242**

**Trim Head DRIVALL® Self Drilling** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
17SD	#7x1-5/8"	41 mm	5 M	28.00(lbs)
18SD	#7x2-1/4"	57 mm	4 M	29.00(lbs)
17SD76	#8x3"	76 mm	2 M	22.00(lbs)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.50	#1	3.03	2.45	3.75	19
	5.80	2.08		3.07	2.65	3.95	
#8	5.30	1.50	#1	3.28	2.85	4.05	18
	5.80	2.08		3.32	3.05	4.25	

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#7	14	708	1479
	16	454	1148
	18	361	1140
	20	213	777
#8	14	450	1012
	16	442	955
	18	340	1045
	20	265	680

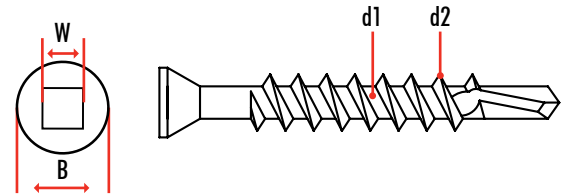
\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours, no red rust

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
6	3	0.090-0.110	20-12
8	3	0.100-0.140	20-12

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved.



**Heavy Gauge Metal** (20ga or thicker)**Product #244****Pan Framing Head DRIVALL® Self** (1 OF 2)

**Pan head drill point fasteners designed for attaching 20-8 ga. steel. Unique grip-tight, high torque pan head design.**

**Finish - Clear Zinc**Pan  
Head

Drill Point

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Steel studs to track, 20-8 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Other metal-to-metal applications, 20-8 gauge

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into heavy gauge steel
- ▶ #2 Phillips recess drive
- ▶ Pan Framing head provides a flat bearing surface

**SPECIFICATIONS**

- ▶ Gauge – #6
- ▶ Length – 7/16"
- ▶ Head Type – Pan Framing
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate or Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Pan Framing head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #244**

**Pan Framing Head DRIVALL® Self** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
19Z	#6x7/16"	11 mm	15 M	38.00(lbs)
20Z	#8x1/2"	13 mm	10 M	33.00(lbs)
10100P	#10x1"	25 mm	2.5 M	37.00(lbs)
10075P	#10x3/4"	19 mm	4 M	30.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	7.40	2.49	#2	2.78	2.40	3.40	20
	8.10	2.87		2.82	2.60	3.60	
#8	8.18	6.20		3.28	2.85	4.05	18
	8.84	6.35		3.32	3.05	4.25	
#10	9.75	7.75		3.78	3.25	4.62	16
	10.50	7.93		3.82	3.45	4.82	
#12	10.10	7.75		4.38	3.99	5.31	14
	11.00	7.93		4.42	4.17	5.46	
#14	12.20	9.32		5.08	4.70	6.10	14
	13.20	9.52		5.12	4.88	6.25	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



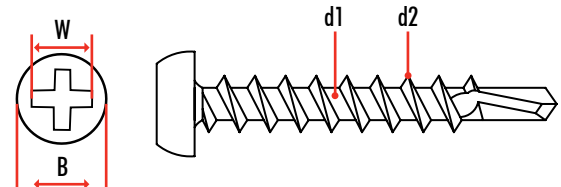
**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#6	14	906	1145
	16	265	792
	18	287	797
	20	237	557
#8	14	450	1012
	16	442	955
	18	340	1045
	20	265	680
#10	12	1082	1660
	14	657	1395
	16	542	1332
	18	415	1072
#10	20	367	675

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



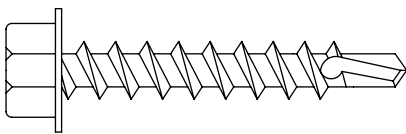
**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
6	3	0.090-0.110	20-12
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8

**Heavy Gauge Metal** (20ga or thicker)**Product #246****Hex Head DRIVALL® Self Drilling** (1 OF 3)

Attaches fixtures, backup plates, door frames and lathers channel to structural studs, metal checks, etc. 20-8 ga.

Finish - Clear Zinc and GRABBERGARD



Hex Head

S-12  
Drill Point#3  
Drill Point#4  
Drill Point

Hex Drive

**APPLICATIONS**

- ▶ Steel studs to track, 20-8 gauge steel
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Plaster grounds to 20-8 gauge steel
- ▶ Other metal-to-metal attachments, 20-8 gauge

**SPECIFICATIONS**

- ▶ Gauge – #6 to #14
- ▶ Lengths – 1/2" to 2-1/2"
- ▶ Head Type – Hex
- ▶ Thread Type – Single Lead
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into heavy gauge metal
- ▶ Hex head provides maximum driving torque with a flat bearing surface
- ▶ Also available with #3 point

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Hex head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal (20ga or thicker)**

**Product #246**

**Hex Head DRIVALL® Self Drilling (2 OF 3)**

**PRODUCT SIZES AND ORDERING INFORMATION**

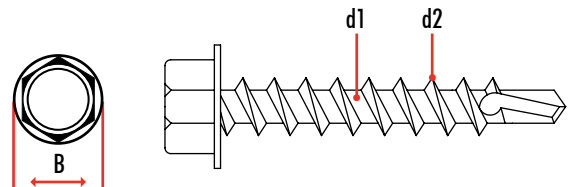
Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
08100H3	#8x1"	25 mm	7.5 M	38.00(lbs)
08100HA	#8x1"	25 mm	7.5 M	38.00(lbs)
08125H3	#8x1-1/4"	32 mm	5 M	35.00(lbs)
08050H3	#8x1/2"	13 mm	15 M	37.00(lbs)
08200H3	#8x2"	51 mm	3 M	33.00(lbs)
08075H3	#8x3/4"	19 mm	10 M	42.00(lbs)
08058H3	#8x5/8"	16 mm	10 M	37.00(lbs)
10100H3	#10x1"	25 mm	5 M	37.00(lbs)
10150H3	#10x1-1/2"	38 mm	3.5 M	35.00(lbs)
10125H3	#10x1-1/4"	32 mm	5 M	33.00(lbs)
10050H3	#10x1/2"	13 mm	7.5 M	37.00(lbs)
10200H3	#10x2"	51 mm	3 M	31.00(lbs)
10300H3	#10x3"	76 mm	3 M	38.00(lbs)
10075H3	#10x3/4"	19 mm	5 M	30.00(lbs)
10058H3	#10x5/8"	16 mm	7.5 M	41.00(lbs)
12100H3	#12x1"	25 mm	3.5 M	40.00(lbs)
12150H3	#12x1-1/2"	38 mm	2.5 M	35.00(lbs)
12125H3	#12x1-1/4"	32 mm	3.5 M	34.00(lbs)
12250H3	#12x2-1/2"	63 mm	1.5 M	30.00(lbs)
12300H3	#12x3"	76 mm	1 M	22.00(lbs)
12350H3	#12x3-1/2"	89 mm	1 M	21.00(lbs)
12075H3	#12x3/4"	19 mm	5 M	40.00(lbs)
12075HA	#12x3/4"	19 mm	5 M	40.00(lbs)
14100H3	#14x1"	25 mm	3.5 M	52.00(lbs)
14150H3	#14x1-1/2"	38 mm	2 M	33.00(lbs)
14125H3	#14x1-1/4"	32 mm	2 M	35.00(lbs)
14200H3	#14x2"	51 mm	1.5 M	34.00(lbs)
14250H3	#14x2-1/2"	63 mm	2 M	33.00(lbs)
14300H3	#14x3"	76 mm	2 M	22.00(lbs)
14075H3	#14x3/4"	19 mm	5 M	61.00(lbs)
14400H4	#14x4"	102 mm	.5 M	21.00(lbs)
1224150H4RG	#12-24x1-1/2"	38 mm	2.5 M	33.00(lbs)
1224125H4	#12-24x1-1/4"	32 mm	3 M	50.00(lbs)
1224200H4RG	#12-24x2-1/2"	63 mm	2 M	36.00(lbs)
122478H4	#12-24x7/8"	22.23 mm	3.5 M	50.00(lbs)

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD®	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD®	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8
12	3	0.110-0.210	20-8
14	3	0.110-0.220	20-8
12	4	0.175-0.220	18-0
14	4	0.175-0.250	18-1/4"
12	5	0.250-0.500	18-1/2"



**Heavy Gauge Metal (20ga or thicker)**

**Product #246**

**Hex Head DRIVALL® Self Drilling (3 OF 3)**

**PULL-OUT TEST DATA**

Screw Gauge	TPI	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	18	14	450	1012
		16	442	955
		18	340	1045
		20	265	680
#10	16	14	657	1395
		16	542	1332
		18	415	1072
		20	367	675
#12	14	14	577	1827
		16	582	1377
		18	400	1087
		20	350	670
#14	14	14	602	1995
		16	560	1485
		18	460	1127
		20	240	748

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**SHEET STEEL GAUGES**

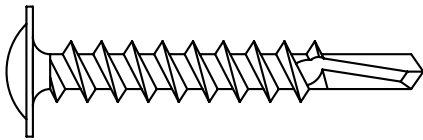
Gauge No.	Decimal Equivalent	Millimeter Equivalent
12	0.1017"	2.6 mm
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	8.18	6.20	3.28	2.85	4.05		18
	8.84	6.35	3.32	3.05	4.25		
#10	9.75	7.75	3.78	3.25	4.62		16
	10.50	7.93	3.82	3.45	4.82		
#12	10.10	7.75	4.38	3.99	5.31		14
	11.00	7.93	4.42	4.17	5.46		
#14	12.20	9.32	5.08	4.70	6.10		14
	13.20	9.52	5.12	4.88	6.25		

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #248****Wafer Head DRIVALL® Self Drilling** (1 OF 3)**Attaches metal lath to 20-8 ga. steel studs and framing.****Finish - Clear Zinc, GRABBERGARD, GRABBERGARD Gray and Gray Phosphate**Wafer  
HeadS-12  
Drill Point#3  
Drill Point#4  
Drill Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ Self-furring metal lath through gypsum sheathing to steel studs and track, 20-8 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Steel studs to track, 20-8 gauge
- ▶ Metal K-lath, wire lath, wood grounds to lathers channel structural studs and metal decks
- ▶ Other metal-to-metal attachments, 20-8 gauge

**SPECIFICATIONS**

- ▶ Gauge – #8 and #10
- ▶ Lengths – 1/2" to 3"
- ▶ Head Type – Wafer Type A
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Phillips
- ▶ Finish – Clear Zinc, Gray Phosphate or GRABBERGARD
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280 and ESR-1271.

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into heavy gauge metal
- ▶ Wafer head provides a greater bearing surface with a low profile head exposure
- ▶ Heavier shank ensures entry in clips of hard steel
- ▶ Also available with ultra fast drill point

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Wafer head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #248**

**Wafer Head DRIVALL® Self Drilling** (2 OF 3)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
235Z	#8x1"	25 mm	5 M	27.00(lbs)
35Z	#8x1"	25 mm	5 M	27.00(lbs)
36RG	#8x1-1/4"	32 mm	5 M	32.00(lbs)
36Z	#8x1-1/4"	32 mm	5 M	32.00(lbs)
236Z	#8x1-1/4"	32 mm	5 M	32.00(lbs)
237Z	#8x1-5/8"	41 mm	4 M	31.00(lbs)
37RG	#8x1-5/8"	41 mm	4 M	31.00(lbs)
37Z	#8x1-5/8"	41 mm	4 M	31.00(lbs)
34RG	#8x1/2"	13 mm	10 M	37.00(lbs)
34	#8x1/2"	13 mm	10 M	37.00(lbs)
34Z	#8x1/2"	13 mm	10 M	37.00(lbs)
234FZ	#8x1/2"	13 mm	10 M	38.00(lbs)
234	#8x1/2"	13 mm	10 M	38.00(lbs)
234Z	#8x1/2"	13 mm	10 M	37.00(lbs)
376Z	#8x2"	51 mm	2.5 M	31.00(lbs)
238Z	#8x2-1/2"	63 mm	2.5 M	31.00(lbs)
39Z	#8x3"	76 mm	1 M	31.00(lbs)
234Z10CW	#10x3/4"	19 mm	5 M	34.00(lbs)
236Z10CW	#10x1-1/4"	19 mm	3.5 M	34.00(lbs)
34Z10CW	#10x3/4"	19 mm	5 M	34.00(lbs)
234Z12CW	#12x3/4"	19 mm	5 M	34.00(lbs)
34Z12CW	#12x3/4"	19 mm	5 M	34.00(lbs)

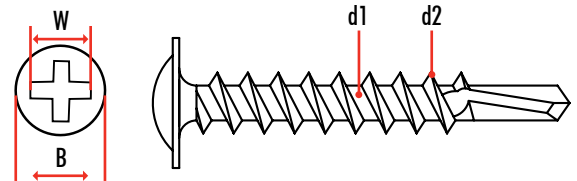
\*1lb Box and 5lb Box screw packaging option available on selected items.

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
12	0.1017"	2.6 mm
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d1 Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	10.80	2.00	#2	3.28	2.85	4.05	18
	11.40	2.40		3.32	3.05	4.25	
#10	10.80	2.00	#2	3.78	3.25	4.62	16
	11.40	2.40		3.82	3.45	4.82	



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8
12	3	0.110-0.210	20-8
14	3	0.110-0.220	20-8
12	4	0.175-0.220	18-0

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280 and ESR 1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)

**Product #248**

**Wafer Head DRIVALL® Self Drilling** (3 OF 3)

**PULL-OUT TEST DATA**

Screw Gauge	TPI	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	18	14	450	1012
		16	442	995
		18	340	1045
		20	265	680
#10	16	12	1082	1660
		14	657	1395
		16	542	1332
		18	415	1072
		20	367	675

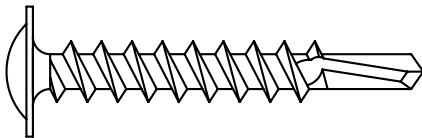
\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER® Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
			24 hours, no red rust
Gray Phosphate	Salt Spray Results	ASTM B117	1,000 hours, no red rust
			15 cycles, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280 and ESR 1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #248A****Wafer Head DRIVALL® Self Drilling** (1 OF 2)**Attaches metal lath to 20-8 ga. steel studs and framing.****Finish - Clear Zinc**Wafer  
Head#3  
Drill Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ Self-furring metal lath through gypsum sheathing to steel studs and track, 20-8 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Steel studs to track, 20-8 gauge
- ▶ Metal K-lath, wire lath, wood grounds to lathers channel structural studs and metal decks
- ▶ Other metal-to-metal attachments, 20-8 gauge

**SPECIFICATIONS**

- ▶ Gauge – #8
- ▶ Lengths – 1/2"
- ▶ Head Type – Wafer Type A
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Phillips
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280 and ESR-1271.

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into heavy gauge metal
- ▶ Wafer head provides a greater bearing surface with a low profile head exposure
- ▶ Heavier shank ensures entry in clips of hard steel
- ▶ Also available with ultra fast drill point

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Wafer head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #248A**

**Wafer Head DRIVALL® Self Drilling** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
34ZA	#8x1/2"	13 mm	10 M	40.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PULL-OUT TEST DATA**

Screw Gauge	TPI	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	18	14	450	1012
		16	442	995
		18	340	1045
		20	265	680

\*\*GRABBER® fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER® Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

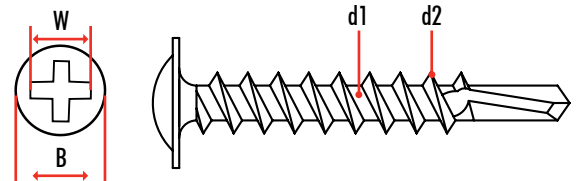
Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
12	0.1017"	2.6 mm
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	10.80	2.00	#2	3.28	2.85	4.05	18
	11.40	2.40		3.32	3.05	4.25	
#10	10.80	2.00	#2	3.78	3.25	4.62	16
	11.40	2.40		3.82	3.45	4.82	

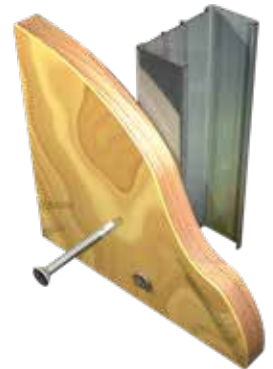


**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, as referenced in ICCES report ER-5280 and ESR 1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #250****Flat Head DRIVALL® Pilot Point Self Drilling  
(collated)** (1 OF 2)**Self drilling fastener for attaching 3/8" to 1" plywood or wood to 20-8 gauge steel****Finish - Clear Zinc and GRABBERGARD**

Flat Head

#3  
Drill Point

LOX #2

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Attaching 3/8" to 1" plywood to steel joists and frames, 20-8 gauge steel
- ▶ Wood to 20-8 gauge steel applications
- ▶ Dinsglass products to steel

**PRODUCT FEATURES**

- ▶ Superfast #3 drill point
- ▶ Flat head seats flush with fastening surface

**SPECIFICATIONS**

- ▶ Gauge – #8
- ▶ Lengths – 1-5/16" and 1-15/16"
- ▶ Head Type – Flat
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Phillips and #2 LOX®
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

Heavy Gauge Metal (20ga or thicker)

Product #250

**Flat Head DRIVALL® Pilot Point Self Drilling (collated)** (1 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
CM175SDZJBW	#8x1-3/4"	45 mm	1000	9.00(lbs)
CM158SDZJBW	#8x1-5/8"	41 mm	1000	8.00(lbs)
CMG158SD	#8x1-5/8"	41 mm	1000	8.00(lbs)
CM200SDZJBW	#8x2"	51 mm	1000	10.00(lbs)
CM10178JBWRG	#10x1-7/8"	47 mm	1000	11.00(lbs)

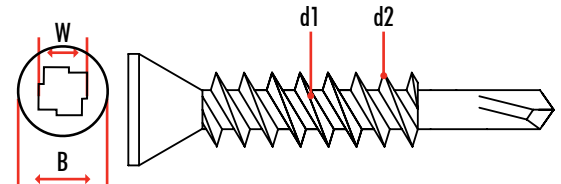
\*Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	10.80	2.00	#2	3.28	2.85	4.05	18
	11.40	2.40		3.32	3.05	4.25	
#10	10.80	2.00	#2	3.78	3.25	4.62	16
	11.40	2.40		3.82	3.45	4.82	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8

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**Heavy Gauge Metal (20ga or thicker)**

**Product #250**

**Flat Head DRIVALL® Pilot Point Self Drilling** (3 OF 3)

**PULL-OUT TEST DATA**

Screw Gauge	TPI	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	18	14	450	1012
		16	442	995
		18	340	1045
		20	265	680
#10	16	12	1082	1660
		14	657	1395
		16	542	1332
		18	415	1072
		20	367	675
#12	14	12	975	2035
		14	577	1827
		16	582	1377
		18	400	1087
		20	350	670
#14	14	12	965	2425
		14	602	1995
		16	560	1485
		18	460	1127
		20	240	748

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

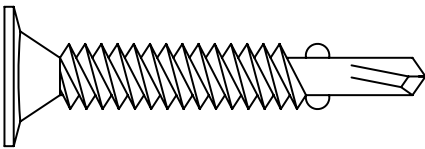
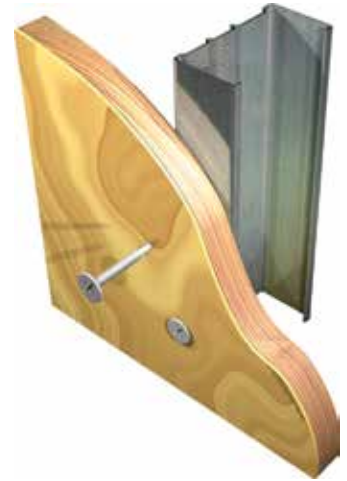
Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #252****Thin Wafer Head DRIVALL® Winged Self Drilling** (1 OF 2)

Self drilling fastener for attaching 3/8" to 1" plywood or wood to 20-8 gauge steel  
Finish - Clear Zinc and GRABBERGARD®



Wafer Head



Drill Point



#2 Phillips Drive

**APPLICATIONS**

- ▶ Attaching 3/16" to 3/4" plywood to 20-8 gauge steel

**PRODUCT FEATURES**

- ▶ 24 Threads per inch
- ▶ Superfast #3 drill point
- ▶ Thin Wafer head provides a flush finished surface
- ▶ Winged point creates pilot hole through the plywood

**SPECIFICATIONS**

- ▶ Gauge – #10
- ▶ Length – 1-7/16"
- ▶ Head Type – Wafer
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Phillips
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Wafer head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripping of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #252**

**Thin Wafer Head DRIVALL® Winged Self Drilling** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
101716	#10x1-7/16"	37 mm	4 M	39.00(lbs)
101716W3	#10x1-7/16"	37 mm	4 M	31.00(lbs)
101716W3RG	#10x1-7/16"	37 mm	4 M	39.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	11.00	2.59	#2	4.05	0	4.65	24
	12.00	3.17		4.09	0	4.82	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm

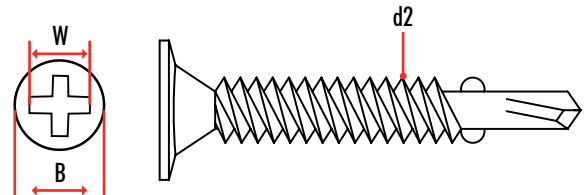
**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#10	14	532	1704
	16	338	1379

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



**DRILLING CAPACITY**

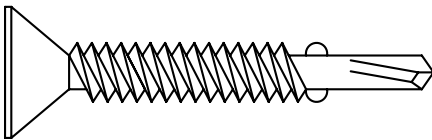
Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
10	3	0.110-0.175	20-8

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C954, ASTM C1513, as referenced in ICC ESR report ER 5280 ESR-1271, and are approved for use in structures governed by the International Building Code 2006, 2009, 2012, and 2015 International Residential Building Code 2006, 2009, 2012 and 2015.



**Heavy Gauge Metal** (20ga or thicker)**Product #254****Flat Head DRIVALL® Winged Self Drilling** (1 OF 3)

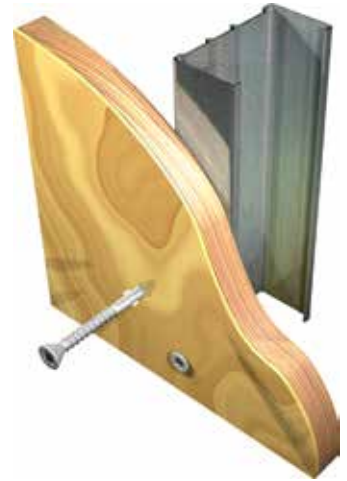
Self drilling fastener for attaching 3/8" to 1" plywood or wood to 20-8 gauge steel  
Finish - Clear Zinc and GRABBERGARD®



Flat Head



Drill Point

#3 Phillips  
Drive**APPLICATIONS**

- ▶ Attaching 1" or thicker plywood to 20-8 gauge metal

**PRODUCT FEATURES**

- ▶ 24 Threads per inch
- ▶ Superfast #3 drill point
- ▶ Flat head provides a flush finished surface
- ▶ Winged point creates pilot hole through the plywood

**SPECIFICATIONS**

- ▶ Gauge – #12
- ▶ Lengths – 2" to 3-3/4"
- ▶ Head Type – Flat
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #3 Phillips
- ▶ Finish – Yellow Zinc, Clear Zinc, or GrabberGard
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #254**

**Flat Head DRIVALL® Winged Self Drilling** (2 OF 3)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
P81516F3	#8x1-15/16"	49 mm	4 M	31.00(lbs)
P8516F3	#8x1-5/16"	34 mm	6 M	30.00(lbs)
12200FW3	#12x2"	51 mm	2 M	33.00(lbs)
12200FW3RG	#12x2"	51 mm	2 M	34.00(lbs)
12250FW3	#12x2-1/2"	63 mm	1.5 M	30.00(lbs)
CC12250LYZ	#12x2-1/2"	63 mm	1 M	30.00(lbs)
12250FW3RG	#12x2-1/2"	63 mm	1.5 M	31.00(lbs)
12275FW3	#12x2-1/2"	70 mm	1 M	33.00(lbs)
12225FW3	#12x2-1/4"	57 mm	2 M	30.00(lbs)
12275FW3RG	#12x2-3/4"	70 mm	1 M	25.00(lbs)
14275FW3	#14x2-3/4"	70 mm	1 M	10.00(lbs)
14350FW4RG	#14x3-1/2"	89 mm	.5 M	34.00(lbs)
14325FW4RG	#14x3-1/4"	83 mm	.9 M	34.00(lbs)
14375FW4RG	#14x3-3/4"	95 mm	.5 M	34.00(lbs)

\*5lb Box and Collated screw packaging option available on selected items.

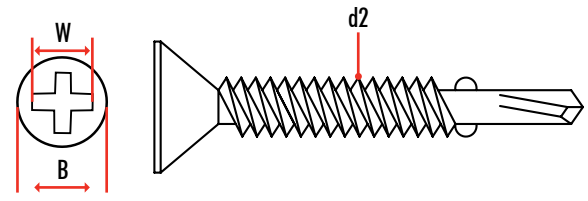
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Shear (lbs.)	Pull Out	Pull Over
#12	12	4,946	1,470	2,811
	14	4,925	1,487	2,806
	16	4,997	1,449	2,804

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8
12	3	0.110-0.210	20-8
14	3	0.110-0.220	20-8

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**Heavy Gauge Metal** (20ga or thicker)

**Product #254**

**Flat Head DRIVALL® Winged Self Drilling** (3 OF 3)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#12	9.88	2.95	#3	4.68	0	5.31	24
	11.10	3.58		4.72	0	5.48	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
12	0.1017"	2.6 mm
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm

**Ω 3 Allowable Load**

Screw Gauge	Metal Gauge	Shear (lbs.)	Pull Out	Pull Over
#12	12	1,649	490	937
	14	1,642	496	935
	16	1,666	483	935

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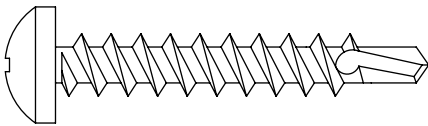
All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #258****Pan Head DRIVALL® Self Drilling** (1 OF 2)

**Self drilling screws for attaching fixtures, backup plates, and door frames to 20-12 gauge steel, or any other heavy gauge metal-to-metal applications**

**Finish - Black/Gray Phosphate and Clear Zinc**

Pan  
Head

Drill Point

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Steel studs to track, 20-12 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Other metal-to-metal attachments, 20-12 gauge

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into 20-12 gauge steel
- ▶ #2 Phillips recess drive
- ▶ Pan head provides a flat bearing surface
- ▶ Also available with #3 point

**SPECIFICATIONS**

- ▶ Gauge – #8 to #10
- ▶ Lengths – 1/2" to 1"
- ▶ Head Type – Pan
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #258**

**Pan Head DRIVALL® Self Drilling** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
08100P	#8x1"	25 mm	7.5 M	37.00(lbs)
08075P	#8x3/4"	19 mm	10 M	30.00(lbs)
10050P	#10x1/2"	13 mm	5 M	34.00(lbs)
10058P3	#10x5/8"	16 mm	7.5 M	38.00(lbs)

\*Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	7.77	1.80	#2	3.28	2.85	4.05	18
	8.18	2.46		3.32	3.05	4.25	
#10	9.07	2.26	#2	3.78	3.25	4.62	16
	9.47	2.87		3.82	3.45	4.82	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

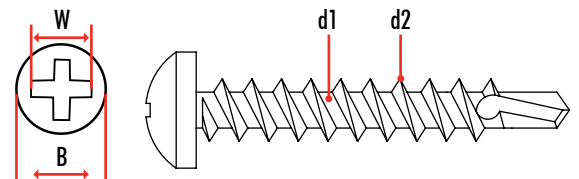
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	14	450	1012
	16	442	955
	18	340	1045
	20	265	680
#10	16	542	1332
	18	415	1072
	20	367	675

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Black/Gray Phosphate	Salt Spray Results	ASTM B117	24 hours no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-8

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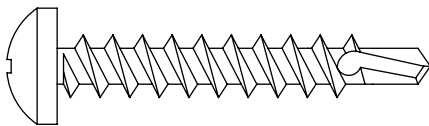




**Heavy Gauge Metal** (20ga or thicker)**Product #258A****Pan Head DRIVALL® Self Drilling** (1 OF 2)

**Self drilling screws for attaching fixtures, backup plates, and door frames to 14 – 20 gauge steel, or any other heavy gauge metal-to-metal applications**

**Finish - Clear Zinc**



Pan  
Head



Drill Point



#2 Phillips  
Drive

**APPLICATIONS**

- ▶ Steel studs to track, 14 – 20 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Other metal-to-metal attachments, 14 – 20 gauge

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into 14 – 20 gauge steel
- ▶ #2 Phillips recess drive
- ▶ Pan head provides a flat bearing surface
- ▶ Also available with #3 point

**SPECIFICATIONS**

- ▶ Gauge – #8 to #10
- ▶ Lengths – 1/2" to 1"
- ▶ Head Type – Pan
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal (20ga or thicker)**

**Product #258A**

**Pan Head DRIVALL® Self Drilling (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
19ZA	#6x7/16"	11 mm	15 M	44.00(lbs)
19A	#6x7/16"	11 mm	15 M	44.00(lbs)
20ZA	#8x1/2"	13 mm	10 M	33.00(lbs)
20A	#8x1/2"	13 mm	10 M	33.00(lbs)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	7.77	1.80	#2	3.28	2.85	4.05	18
	8.18	2.46		3.32	3.05	4.25	
#10	9.07	2.26	#2	3.78	3.25	4.62	16
	9.47	2.87		3.82	3.45	4.82	

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

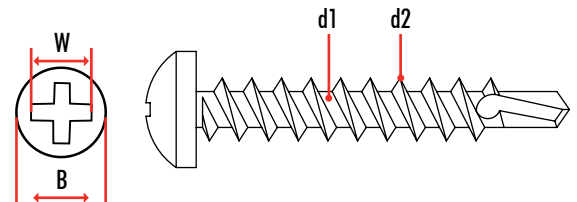
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	14	450	1012
	16	442	955
	18	340	1045
	20	265	680
#10	16	542	1332
	18	415	1072
	20	367	675

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
6	3	0.090-0.110	20-12
8	3	0.100-0.140	20-12

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #260****Flat Pan Head DRIVALL® Self Drilling #3 Point** (1 OF 3)**Self drilling screws for framing 20-8 gauge steel to steel****Finish - Yellow Zinc, Clear Zinc, GRABBERGARD® and NanoGard**Pan  
Head

Drill Point



LOX #2

**APPLICATIONS**

- ▶ Pre-fabrication of trusses
- ▶ Steel studs to track, 20-8 gauge
- ▶ Steel studs to door frame jamb anchor clips
- ▶ Heavy gauge steel to steel framing

**SPECIFICATIONS**

- ▶ Gauge – #10, #11, and #12
- ▶ Length – 5/8" to 1-1/4"
- ▶ Head Type – Flat Pan
- ▶ Recess Type – LOX®
- ▶ Thread Type – Single Lead
- ▶ Finish – Clear Zinc and GrabberGard
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**PRODUCT FEATURES**

- ▶ Self tapping drill point is designed for penetration into 20-8 gauge steel
- ▶ LOX®
- ▶ Pan head provides a flat bearing surface
- ▶ Also available with #3 point

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Flat Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #260**

**Flat Pan Head DRIVALL® Self Drilling #3 Point** (2 OF 3)

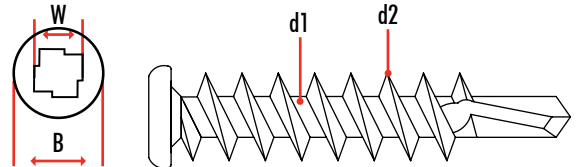
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
FP101875JBWZ	#10x3/4"	19 mm	8 M	44.00(lbs)
FP101875L2N	#10x3/4"	19 mm	8 M	44.00(lbs)
FP101875LYZ	#10x3/4"	19 mm	8 M	42.00(lbs)
FP102275LYZ	#10x3/4"	19 mm	8 M	44.00(lbs)
FP101858JBWZ	#10x5/8"	16 mm	10 M	44.00(lbs)
SP12125JBWZ	#12x1-1/4"	32 mm	3.5 M	44.00(lbs)
FP121878JBWZ	#12x7/8"	22 mm	6 M	44.00(lbs)
FP121878LYZ	#12x7/8"	22 mm <td 6 M	44.00(lbs)	
FP11118L2YZ	#11x1-1/8"	28 mm	5 M	44.00(lbs)

\*Collated screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
10	3	0.110-0.175	20-8
12	3	0.110-0.210	20-8

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)

**Product #260**

**Flat Pan Head DRIVALL® Self Drilling #3 Point** (3 OF 3)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	9.25	0	LOX®	3.8	3.3	4.71	18
#12	9.25	0	LOX®	4.3	4.1	5.36	18

**SHEET STEEL GAUGES**

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0396"	1 mm

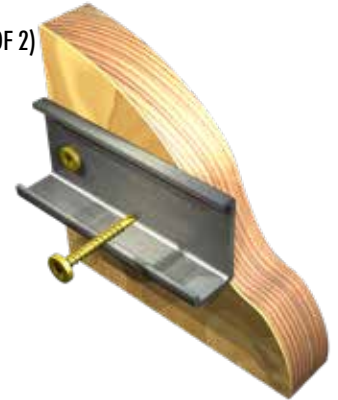
**PULL-OUT TEST DATA**

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#10	12	1212	1758
	14	918	1662
	16	672	1455
	18	312	756
	20	240	492
#12	12	1345	2260
	14	853	2192
	16	650	1632
	18	335	785
	20	220	525

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



**Heavy Gauge Metal** (20ga or thicker)**Product #266****GRABBER XteK® Metal to Wood Screws, LOX® Drive** (1 OF 2)**Designed specifically for the application of metal to wood framing members.****Finish - Yellow Zinc, Galvanized and GRABBERGARD**High Pan  
Head

Drill Point



LOX® #3

**APPLICATIONS**

- ▶ Designed specifically for the application of metal to wood framing members.

**PRODUCT FEATURES**

- ▶ Modified Pan Head with LOX3 drive for Maximum torsional Torque
- ▶ Alternating Threads for maximum holding power in the wood member
- ▶ Self drilling, reduced drill point for penetration of 20-8 gauge steel

**SPECIFICATIONS**

- ▶ Gauge - #11
- ▶ Lengths - 1-1/8" to 2-1/2"
- ▶ Head Type - Modified Pan Head
- ▶ Thread Type - Double Lead
- ▶ Recess Type - LOX®
- ▶ Finish - Yellow Zinc, Galvanized or GrabberGard
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Heavy Gauge Metal** (20ga or thicker)

**Product #266**

**GRABBER XteK® Metal to Wood Screws, LOX® Drive** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
DMWH138	#11x1-3/8"	35 mm	3.5 m	39.00(lbs)
DMWH138MG	#11x1-3/8"	35 mm	3.5 m	39.00(lbs)
DMWH238G2	#11x2-3/8"	60 mm	2 m	39.00(lbs)

\*Collated screw packaging option available on selected items.

**Withdrawl Test**

Wood Type	Average Load (lbs.)
Sugar Pine	455
Douglas Fir	582

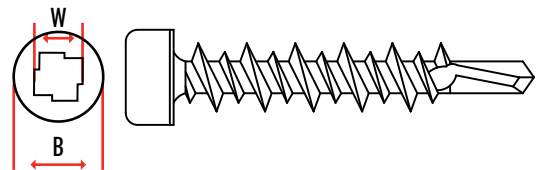
**Shear Test Data\*\***

Screw Gauge	Metal Gauge	Shear (lbs.)
#11	12	738
	14	677
	16	845
	18	603

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
Yellow Zinc	Salt Spray Results	ASTM B117	48 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018,2.0L	15 cycles, no red rust



**DRILLING CAPACITY**

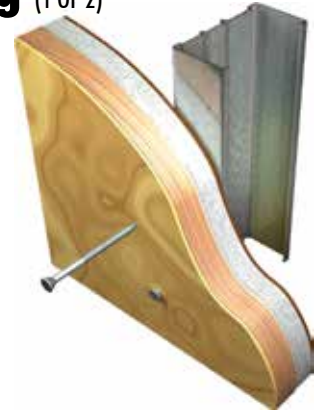
Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
10	3	0.110-0.175	20-8
12	3	0.110-0.210	20-8

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



## Stainless Steel

Product #214SS

**Trim Head 304 Stainless Steel STREAKER® Self tapping** (1 OF 2)**Self tapping screw for attaching wood trim over single or double-layer gypsum board to steel.****Finish - 304 Stainless Steel**Trim  
Head23° Streaker®  
Point#1 Square  
Drive**APPLICATIONS**

- ▶ Wood trim over single and double-layer gypsum board to 25-20 gauge steel studs and track
- ▶ Wood trim over single and double-layer gypsum board to wood studs

**PRODUCT FEATURES**

- ▶ A fine thread screw for finishing applications
- ▶ Trim to Steel or Wood framing
- ▶ Non- Magnetic
- ▶ 15 threads per inch for wood or metal
- ▶ #1 square recess drive

**SPECIFICATIONS**

- ▶ Gauge – #7 and #8
- ▶ Lengths – 1-5/8" to 3"
- ▶ Head Type – Trim
- ▶ Recess Type – #1 Square
- ▶ Thread Type – Double Lead
- ▶ Finish – 304 Stainless Steel
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Trim head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.



**Stainless Steel**

**Product #214SS**

**Trim Head 304 Stainless Steel STREAKER® Self tapping (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
17SSQ	#7x1-5/8"	41 mm	10 M	49.00(lbs)
18SSQ	#7x2-1/4"	57 mm	5 M	34.00(lbs)
17S76SSQ	#8x3"	76 mm	2 M	22.00(lbs)

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.20	#1	2.93	2.40	3.75	15
	5.80	1.50		2.97	2.55	3.90	
#8	5.30	1.20	#1	3.18	2.80	4.00	15
	5.80	1.50		3.22	3.00	4.20	

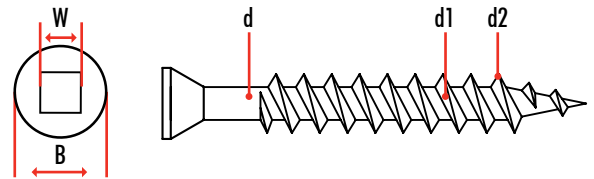
**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#7	428	337	322	197	235
#8	428	515	341	274	242

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
304 Stainless Steel	Salt Spray Results	ASTM B117	1,000 hours, no red rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved.



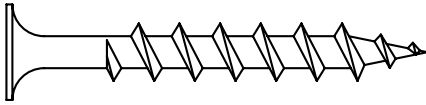
## Stainless Steel

Product #230SS

**Bugle Head GRABBER® Stainless Steel** (1 OF 2)

Coarse thread stainless steel fasteners for attaching wood or drywall to wood

Finish - 305 Stainless Steel

Bugle  
HeadGRABBER  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ 3/8", 1/2", and 5/8" single-layer gypsum board to wood studs and joists
- ▶ 1/2" and 5/8" double-layer gypsum board to wood studs and joists
- ▶ Insulation to wood
- ▶ OSB or plywood to wood
- ▶ Wood to wood applications

**SPECIFICATIONS**

- ▶ Gauge – #6 to #10
- ▶ Lengths – 1" to 4"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – Gray Phosphate. Also available in Yellow
- ▶ Zinc and GRABBERGARD™
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCES report ER-5280.

**PRODUCT FEATURES**

- ▶ Superior holding power and ease of penetration
- ▶ A coarse thread screw for general interior applications
- ▶ 8 threads per inch
- ▶ Extra sharp, single lead 23° GRABBER point, designed to penetrate quickly and easily
- ▶ #2 Phillips recess drive

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Bugle head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ For wood to wood connections, minimum penetration should be 7 diameters (e.g. 1-1/4" for #8 fastener)

**Stainless Steel**

**Product #230SS**

**Bugle Head GRABBER® Stainless Steel** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
STMRI	#6x1-1/4"	32 mm	5 M	35.00(lbs)
8300SS305	#8x1-1/4"	32 mm	5 M	39.00(lbs)

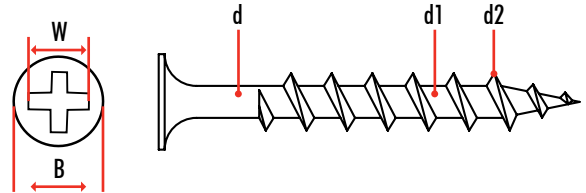
**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#6	339	309	186	222	224
#8	528	500	396	246	324

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1002, as referenced in ICCES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



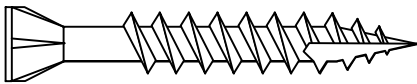
## Stainless Steel

Product #283SS

**LOX® Stainless Steel Trim Head 316 Wood Screws** (1 OF 2)

Featuring LOX® advanced driver system engineered for high-torque applications. LOX® grabs hard and sinks even harder, giving you positive joint reliability with predictable results every time.

Finish - 316 Stainless Steel

Trim  
HeadType 17  
Point

LOX #2

**APPLICATIONS**

- ▶ Use LOX® Wood Screws with Stainless for any Exterior Project, Decks, fences, Siding, Lattice, Docks & More

**PRODUCT FEATURES**

- ▶ LOX® 2 recess for a sure driving experience with exceptional bit life
- ▶ Flat head or trim head with countersinking nibs
- ▶ Type 17 self-drilling point
- ▶ Marine grade 316 stainless steel for maximum corrosion resistance
- ▶ Trim Head with countersinking nibs

**SPECIFICATIONS**

- ▶ Gauge - #8 and #10
- ▶ Length – 1-1/2" to 4"
- ▶ Head Type – Flat
- ▶ Recess Type – LOX® #2
- ▶ Thread Type – Single Lead
- ▶ Finish – 316 Stainless Steel
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ The Trim head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the wood a minimum of three thread pitches.

**Stainless Steel**

**Product #283SS**

**LOX® Stainless Steel Trim Head 316 Wood Screws** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
W8158S316	#8x1-5/8"	41 mm	2450	16.00(lbs)
W8214S316	#8x2-1/4"	57 mm	1750	16.00(lbs)
W8300S316	#8x3"	76 mm	1750	21.00(lbs)

**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#10	404	402	396	314	319

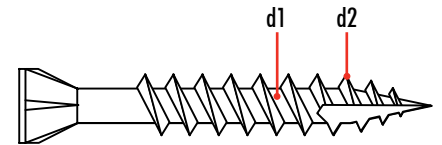
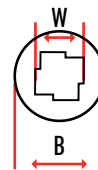
\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#7	5.30	1.20	#1	2.93	2.40	3.75	15
	5.80	1.50		2.97	2.55	3.90	
#8	5.30	1.20	#1	3.18	2.80	4.00	15
	5.80	1.50		3.22	3.00	4.20	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
304 Stainless Steel	Salt Spray Results	ASTM B117	1,000 hours, no red rust



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## Stainless Steel

Product #286SS

**AnyDeck™ Stainless Steel Composite Screws, LOX® Drive** (1 OF 2)

Designed and engineered to work with all types of composite materials where surface mounted fasteners are recommended.

Finish - 316 Stainless Steel

Undercut  
HeadQuickGrab  
Point

LOX #2

**APPLICATIONS**

- ▶ All types of composite materials
- ▶ Outdoor projects such as decks, docks, fences, and gazebos

**PRODUCT FEATURES**

- ▶ Undercut head design leaves crisp clean finish with no mushrooms and burrs.
- ▶ Reverse buttress fine thread design gathers loose materials and pulls it down and out of sight.
- ▶ Coarse threads and extra sharp points provide great holding power and fast starts.

**SPECIFICATIONS**

- ▶ Gauge - #8 and #10
- ▶ Length – 1-1/2" to 4"
- ▶ Head Type – Flat
- ▶ Recess Type – LOX® #2
- ▶ Thread Type – Single Lead
- ▶ Finish – 316 Stainless Steel
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**Stainless Steel**

**Product #286SS**

**AnyDeck™ Stainless Steel Composite Screws, LOX® Drive** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
BC10250S	#10x2-1/2"	63 mm	2 M	26.00(lbs)
BC10300S	#10x3"	76 mm	2 M	32.00(lbs)

**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#10	404	402	396	314	319

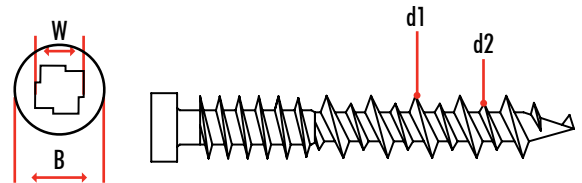
\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	8.50	2.87	#2	3.78	3.20	5.00	8
	8.90	3.30		3.82	3.50	6.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
304 Stainless Steel	Salt Spray Results	ASTM B117	1,500 hours, no red rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



Stainless Steel

Product #330

# Flat Head Coarse, 316 Stainless T-17 Point, LOX® (1 OF 2)

Use LOX® Wood Screws with Stainless for any Exterior Project, Decks, fences, Siding, Lattice, Docks & More.

Finish - 316 Stainless Steel



Flat Head  
With Nibs



Type 17  
Point



LOX #2

## APPLICATIONS

- ▶ Any exterior project such as decks, fences, siding, lattice, docks and more.

## PRODUCT FEATURES

- ▶ LOX® recess drive does not require a magnetic bit tip holder
- ▶ A superior, weather and element resistant screw
- ▶ The flat head is designed specifically for wood applications

## SPECIFICATIONS

- ▶ Gauge - #8 - #10
- ▶ Length – 1-1/4" to 3"
- ▶ Head Type – Flat
- ▶ Recess Type – LOX® #2
- ▶ Thread Type – Single Lead
- ▶ Finish – 316 Stainless
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

## INSTALLATION GUIDELINES

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.



**Stainless Steel**

**Product #330**

**Flat Head Coarse, 316 Stainless T-17 Point, LOX® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
W10200S316	#10x2"	51 mm	1750	20.00(lbs)
W10212S316	#10x2-1/2"	63 mm	1750	24.00(lbs)
10250L316	#10x2-1/2"	63 mm	2.5 M	36.00(lbs)
10300L316	#10x3"	76 mm	2 M	33.00(lbs)
W10300S316	#10x3"	76 mm	1750	28.00(lbs)

\*1lb Box, 5lb Box, Deck Pack and Collated screw packaging option available on selected items.

**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#10	404	402	396	314	319

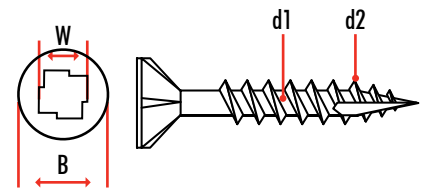
\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
316 Stainless Steel	Salt Spray Results	ASTM B117	1,000 hours, no red rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



## Stainless Steel

Product #331

**Bugle Head Coarse, 304-305 Stainless, T-17 Point, Sqr Drv** (1 OF 2)

**304-305 Stainless Steel screws for any Exterior Project, Decks, fences, Siding, Lattice, Docks & More.**  
**Finish - 316 Stainless Steel**

Bugle  
HeadType 17  
Point#1 Square  
Drive**APPLICATIONS**

- ▶ Any exterior project such as decks, fences, siding, lattice, docks and more.

**PRODUCT FEATURES**

- ▶ Square recess creates a positive seat for driver
- ▶ A superior, weather and element resistant screw
- ▶ The flat head is designed specifically for wood applications

**SPECIFICATIONS**

- ▶ Gauge - #8 - #10
- ▶ Length – 1-1/4" to 3"
- ▶ Head Type – Bugle
- ▶ Recess Type – #2 Square
- ▶ Thread Type – Single Lead
- ▶ Finish – 304 Stainless
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ES report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.

**Stainless Steel**

**Product #331**

**Bugle Head Coarse, 304-305 Stainless, T-17 Point, Sqr Drv** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
ST112	#8x1-1/2"	38 mm	4,000	31.00(lbs)
SST114	#8x1-1/4"	32 mm	5,000	35.00(lbs)
ST158	#8x1-5/8"	41 mm	4,000	36.00(lbs)
ST200	#8x2"	51 mm	3,000	36.00(lbs)
10150SSQ	#10x1-1/2"	38 mm	4 M	26.00(lbs)
10200SS	#10x2"	51 mm	3.5 M	36.00(lbs)
10200SSQ	#10x2"	51 mm	3.5 M	36.00(lbs)
10250SS	#10x2-1/2"	63 mm	2.5 M	26.00(lbs)
10250SSQ	#10x2-1/2"	63 mm	2.5 M	26.00(lbs)
ST212	#10x2-1/2"	63 mm	2,000	25.00(lbs)
ST300	#10x3"	76 mm	1,500	22.00(lbs)
10300SS	#10x3"	76 mm	2 M	22.00(lbs)
10300SSQ	#10x3"	76mm	2 M	22.00(lbs)
ST312	#10x3-1/2"	89 mm	1,000	18.00(lbs)
ST400	#10x4"	102 mm	1,000	24.00(lbs)
ST12300	#12x3"	76 mm	500	17.00(lbs)
ST12312	#12x3"	76 mm	500	15.00(lbs)
ST12400	#12x4"	102 mm	500	18.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected item

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	

**STANDARD CORROSION TEST RESULTS**

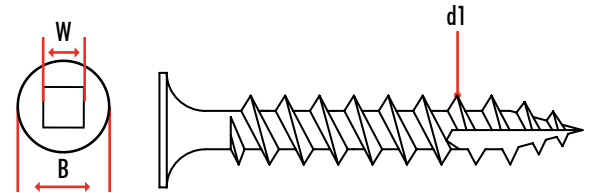
Finish	Test	Standard/Protocol	Results
304-305 Stainless Steel	Salt Spray Results	ASTM B117	1,000 hours, no red rust

GRABBERGARD® and GRABBER Stainless Wood screws are produced in an ISO 9001 approved and certified environment, and meet or exceed American Society for Testing and Materials Standards ASTM Designation B117 (1000hrs) for Corrosion Resistance and D1761 for Mechanical Fasteners for Wood. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered names or trademarks by John Wagner Associates, Inc.

**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#10	404	402	396	314	319

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ES report ER-5280 are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



## Stainless Steel

Product #332

**Flat Head Coarse, 305 Stainless, T-17 Point, LOX®** (1 OF 2)

Use LOX® Wood Screws with Stainless for any Exterior Project, Decks, fences, Siding, Lattice, Docks & More.

Finish - 316 Stainless Steel

Flat Head  
With NibsType 17  
Point

LOX #2

**APPLICATIONS**

- ▶ Any exterior project such as decks, fences, siding, lattice, docks and more.

**PRODUCT FEATURES**

- ▶ LOX® recess drive does not require a magnetic bit tip holder
- ▶ A superior, weather and element resistant screw
- ▶ The flat head is designed specifically for wood applications

**SPECIFICATIONS**

- ▶ Gauge - #8 - #10
- ▶ Length - 1-1/4" to 3"
- ▶ Head Type - Flat
- ▶ Recess Type - LOX® #2
- ▶ Thread Type - Single Lead
- ▶ Finish - 305 Stainless
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and 2500 RPM.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.

**Stainless Steel**

**Product #332**

**Flat Head Coarse, 305 Stainless, T-17 Point, LOX® (2 OF 2)**

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
W10200S316	#10x2"	51 mm	1750	20.00(lbs)
W10212S316	#10x2-1/2"	63 mm	1750	24.00(lbs)
10250L316	#10x2-1/2"	63 mm	2.5 M	36.00(lbs)
10300L316	#10x3"	76 mm	2 M	33.00(lbs)
W10300S316	#10x3"	76 mm	1750	28.00(lbs)

\*1lb Box, 5lb Box, Deck Pack and Collated screw packaging option available on selected items.

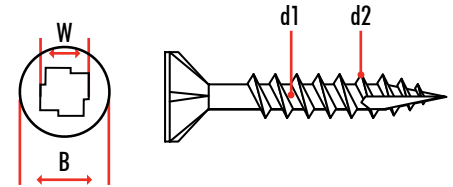
**Pull-out Test Data\*\***

Gauge	2x2 Douglas	2x4 Redwood	1x3 Clear Pine	1" Plywood	3/4" Particleboard
#8	373	377	358	265	227
#10	404	402	396	314	319

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#6	8.00	0.50	#2	2.68	2.25	3.75	8
	8.50	0.80		2.72	2.45	3.95	
#7	8.00	0.50	#2	2.93	2.50	4.05	8
	8.50	0.80		2.97	2.80	4.30	
#8	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



**Stainless Steel****Product #DM105****Deckmaster® Deck Board Screws** (1 OF 2)**For fastening Deckmaster brackets to deck boards****Finish - 302 Stainless Steel**

Flat Head

Type 17  
PointSquare  
Drive**APPLICATIONS**

- ▶ Deckmaster® Hidden Fastening System

**PRODUCT FEATURES**

- ▶ The flat head is designed specifically for wood applications
- ▶ #2 Square recess drive
- ▶ The average ultimate loads of the Deckmaster System with Screws installed at 60° angle. Doug fir to redwood with 1 1/4" screws is 1,012 lbs. Doug fir to redwood with 1 3/4" screws is 1,154 lbs. Pressure treated wood with 1 1/4" screws is 1,180 lbs. Pressure treated wood with 1 3/4" screws is 1,204 lbs.

**SPECIFICATIONS**

- ▶ Gauge - #10
- ▶ Length – 1" to 1-3/4"
- ▶ Head Type – Flat
- ▶ Recess Type – #2 Square
- ▶ Thread Type – Single Lead
- ▶ Finish – 302 Stainless Steel and GRABBERGARD® GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.

**Stainless Steel**

**Product #DM105**

**Deckmaster® Deck Board Screws (2 OF 2)**

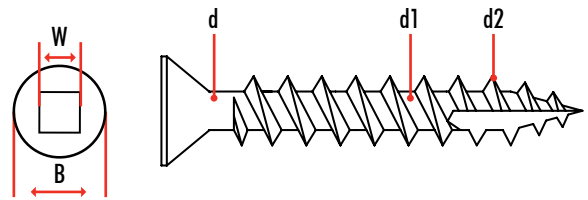
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
DM100DS-100	#10x1"	25 mm	1200	20.00(lbs)
DM125SS-100	#10x1-1/4"	32 mm	1200	20.00(lbs)

\*Mini Pack screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	8.50	0.50	#2	3.78	3.20	5.00	8
	8.90	0.80		3.82	3.50	5.30	



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



Stainless Steel

Product #DM110

# Deckmaster® Joist Screws (1 OF 2)

For fastening Deckmaster® brackets to joists

Finish - 302 Stainless Steel



Pan  
Head



Type 17  
Point



Square  
Drive

## APPLICATIONS

- ▶ Deckmaster® Hidden Fastening System

## PRODUCT FEATURES

- ▶ Pan head provides a flat bearing surface
- ▶ #2 Square recess drive

## SPECIFICATIONS

- ▶ Gauge - #8
- ▶ Length - 1"
- ▶ Head Type - Pan
- ▶ Recess Type - #2 Square
- ▶ Thread Type - Single Lead
- ▶ Finish - 302 Stainless Steel and GRABBERGARD® GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ER report ER-5280.

## INSTALLATION GUIDELINES

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance - 4 amps minimum and 2500 RPM.
- ▶ The Pan head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or strip out of the work surface.



**Stainless Steel**

**Product #DM110**

**Deckmaster® Joist Screws** (2 OF 2)

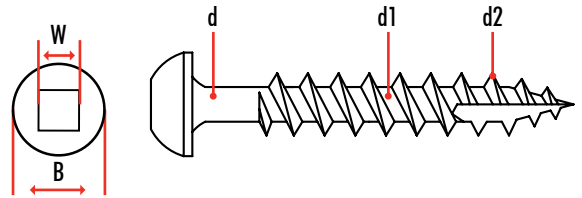
**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
DM100SS-100	#8x1"	25 mm	1100	14.00(lbs)

\*Mini Pack screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#10	8.00	0.50	#2	3.18	2.80	4.30	8
	8.50	0.80		3.22	3.10	4.60	



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASME B18.6.1, as referenced in ICC ER report ER-5280, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered trademarks of Grabber Construction Products, Inc.



**Cement Board****Product #228****GRABBER® Cement Board Screws Sharp Point** (1 OF 2)**Wafer head with nibs designed for use with cement board and high density exterior sheathing.****Finish - GRABBERGARD**Wafer  
Head

Self Piercing

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Cement board to Wood
- ▶ High density exterior sheathing
- ▶ Tile-backers to wood
- ▶ Cement Board to Steel, 20 to 25 gauge

**PRODUCT FEATURES**

- ▶ .40 inch diameter head
- ▶ Alternating High/Low Threads for wood or metal
- ▶ Exterior Grade Corrosion Resistance 1000 hrs per ASTM B117
- ▶ Wafer head with nibs to facilitate seating and minimize strip out
- ▶ #2 Phillips recess drive

**SPECIFICATIONS**

- ▶ Gauge - #8
- ▶ Lengths – 1-1/4" – 2-1/4"
- ▶ Head Type – Thin Wafer with Nibs
- ▶ Recess Type - #2 Phillips
- ▶ Thread Type – Single Lead, Alternating High-Low Thread
- ▶ Finish – GRABBERGARD
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271. Head diameter - .40 inch

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ Install with head flush with board, no need to counter sink.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.

**Cement Board**

**Product #228**

**GRABBER® Cement Board Screws Sharp Point** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
BGCB8125HL	#8x1-1/4"	32 mm	5 M	37.00(lbs)
BGCB8158HL	#8x1-5/8"	41 mm	4 M	31.00(lbs)
BGCB8225HL	#8x2-1/4"	57 mm	2 M	31.00(lbs)

\*1lb Box, 5lb Box and Collated screw packaging option available on selected items

**Pull-out and Shear Test Data\*\***

#8	25ga	22ga	20ga	2x2 Fir	2x4 RW	1x3 Pine	3/4" Pine
AVG.	209lbs	318lbs	434lbs	187lbs	403lbs	507lbs	476lbs

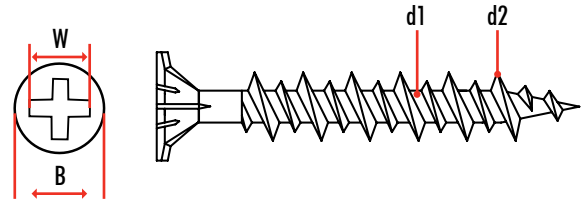
\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	8.18	6.20		3.18	2.80	4.00	15
	8.84	6.35		3.22	3.00	4.20	

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD®	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD®	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, International Residential Building Code 2006, 2009, and 2012.



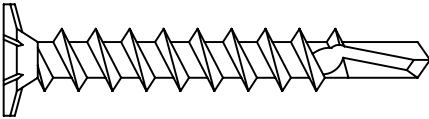
**Cement Board**

Product #268

**GRABBER® Cement Board Screws Self Drilling** (1 OF 2)

**GRABBER Cement Board and High Density Sheathing Screws** have been specifically designed for use with **Cement board and High density exterior sheathing**. These exterior grade corrosion resistant fasteners have a **.40" (10.5mm) wafer head with nibs to facilitate seating and minimize strip out**. **GRABBER Cement Board Screws** are used for the attachment of these boards to steel from **20-12 gauge**.

Finish - GRABBERGARD

Wafer  
Head

Drill Point

#2 Phillips  
Drive**APPLICATIONS**

- ▶ Cement board to Metal

**PRODUCT FEATURES**

- ▶ Exterior grade corrosion
- ▶ Wafer head with nibs to facilitate seating and minimize strip out
- ▶ Head diameter - .40 inch
- ▶ #2 Phillips recess drive

**SPECIFICATIONS**

- ▶ Gauge - #8
- ▶ Length – 1-1/4" to 2-1/4"
- ▶ Head Type – Thin Wafer
- ▶ Recess Type – #2 Phillips
- ▶ Thread Type – Single Lead
- ▶ Finish – GRABBERGARD
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ Install with head flush with board, no need to counter sink.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.

**Cement Board**

**Product #268**

**GRABBER® Cement Board Screws Self Drilling** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
BGCB8125SD	#8x1-1/4"	32 mm	5 M	37.00(lbs)
BGCB8158SD	#8x1-5/8"	41 mm	4 M	31.00(lbs)
HSS8158JBW	#8x1-5/8"	41 mm	4 M	30.00(lbs)
BGCB8225SD	#8x2-1/4"	57 mm	2 M	23.00(lbs)

\*1lb Box and 5lb Box screw packaging option available on selected items.

**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD®	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD®	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

**Ultimate SHEAR (BEARING) OF SCREW CONNECTION OF COLD FORMED STEEL (PNS/Ω), pounds-force 1,3,4**

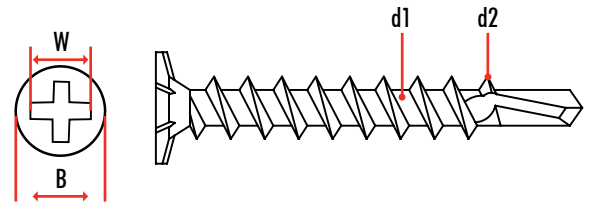
Screw Designation	Screw Nominal Diameter (inch)	Steel Tensile Strength	Fu = 310 MPa		Fu = 448 MPa		
			Design Thickness(2) (inch)	Screw Head Diameter (inch)	20	18	16
# 8-18 x Flat	0.164	0.371	0.0346	0.0451	0.0566	0.0713	0.102

**Nominal Fastener Strength**

Screw Designation	Screw Nominal Diameter (inch)	Screw Head Diameter (inch)	Nominal Fastener Strength (tested)		Allowable Fastener Strength	
			Tension P (lb)	Shear, Pss (lb)	Tension, (Pts/Ω) (lb)	Shear, (Pss/Ω) (lb)
#8-18 X Flat	0.164	0.371	2215	1694	738	564

**Pull-out and Shear Test Data \*\***

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	14	450	1012
	16	442	955
	18	340	1045
	20	265	680



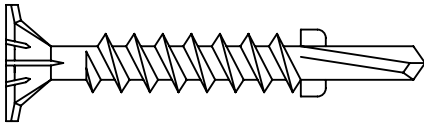
**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved. The fasteners comply with ASTM954, ASTM C1513, as referenced in ICC ESR report ESR-1271, are approved for use in structures governed by the International Building Code 2006, 2009, 2012, 2015 International Residential Building Code 2006, 2009, and 2012, 2015.



**Cement Board****Product #290****GRABBER® USG® Structural Panel fastener** (1 OF 2)**Designed for USG Structural Panels.****Finish - GRABBERGARD**Wafer  
Head

Drill Point



LOX #2

**APPLICATIONS**

- ▶ For attachment of sheathing, siding, OSB or plywood to steel.

**PRODUCT FEATURES**

- ▶ The USG Structural Panel screw has "reamer nibs" under the head to ease countersinking and leave smooth clean edges.
- ▶ Wings allow the screw to drill into the metal without clogging the threads and racking/lifting the material before it penetrates through the metal.

**SPECIFICATIONS**

- ▶ Gauge - #8
- ▶ Length – 1-1/4" to 2-3/8"
- ▶ Head Type – Thin Wafer
- ▶ Recess Type – LOX® #2
- ▶ Thread Type – Single Lead
- ▶ Finish – GRABBERGARD
- ▶ Head diameter - .362 inch
- ▶ GRABBER screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICC ESR report ESR-1271.

**INSTALLATION GUIDELINES**

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 4,000.
- ▶ Proper depth setting is paramount in this application.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

**Cement Board**

**Product #290**

**GRABBER® USG® Structural Panel fastener** (2 OF 2)

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
CGH8114LG	#8x1-1/4"	32 mm	5 M	32.00(lbs)
CGH8158LG	#8x1-5/8"	41 mm	4 M	30.00(lbs)
CGH8238LG	#8x2-3/8"	63 mm	1 M	30.00(lbs)

\*Collated screw packaging option available on selected items.

**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d1 Minor Dia	d2 Major Dia	TPI
#8	7.77	1.80	#2	3.28	2.85	4.05	18
	8.18	2.46		3.32	3.05	4.25	

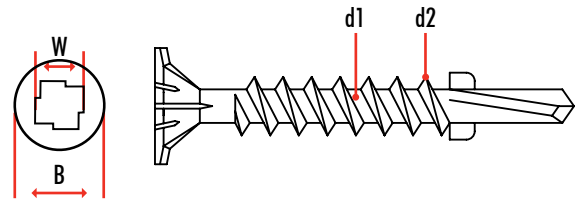
**STANDARD CORROSION TEST RESULTS**

Finish	Test	Standard/Protocol	Results
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

**Pull-out and Shear Test Data\*\***

Screw Gauge	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	14	450	1012
	16	442	955
	18	340	1045

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



**DRILLING CAPACITY**

Screw Gauge	Drill Point	Max Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12

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**High Density Board to Steel**

# GRABBER® High Density Board Sharp Point

**Flat Head, reverse thread, designed for high density interior boards.**

**Finish - Phosphate**



Flat Head



Self Piercing



#2 Phillips Drive

## APPLICATIONS

- ▶ High density board to Steel , 20 to 25 gauge

## PRODUCT FEATURES

- ▶ Reversed thread design to pull board tight
- ▶ Flat head to facilitate seating and minimize strip out
- ▶ #2 Phillips recess drive

## SPECIFICATIONS

- ▶ Gauge - #7
- ▶ Lengths – 25m – 55mm
- ▶ Head Type – Flat Head
- ▶ Recess Type - #2 Phillips
- ▶ Thread Type – Single lead with reverse thread near head
- ▶ Finish – Phosphate
- ▶ GRABBER® screws are manufactured in an ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCFS ES ER #5280 and CE14566

## INSTALLATION GUIDELINES

- ▶ Use a standard screwgun with a depth-sensitive nose piece. Suggested screwgun specification for optimal performance – 4 amps minimum and 2500 RPM.
- ▶ Install with head flush with board, no need to counter sink.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.



**Metal Track to Concrete Attachment**

Product #333

**Oval Head STREAKER®** (1 OF 2)**Oval head fasteners for attaching metal track to concrete.****Finish - Clear Zinc**

Oval Head

24° Streaker®  
Point#2 Phillips  
Drive**APPLICATIONS**

- ▶ Steel track to predrilled concrete with plastic insert

**PRODUCT FEATURES**

- ▶ C1022 Steel
- ▶ Clear Zinc plating
- ▶ 12 Tpi
- ▶ Super sharp 24° point

**SPECIFICATIONS**

- ▶ Gauge – #10
- ▶ Length - 35mm
- ▶ Head Type - Oval
- ▶ Recess Type - #2 Phillips
- ▶ Thread Type - Double Lead
- ▶ Finish - Clear Zinc
- ▶ GRABBER® screws are manufactured in a ISO 9002 and ISO 14001 certified and approved factory, and are approved by ICCFS ES ER #5280.

**INSTALLATION GUIDELINES**

- ▶ Use standard screw gun or drill, 2500-4000 rpm

**Metal Track to Concrete Attachment**

Product #333

**Oval Head STREAKER®** (2 OF 2)

Oval head fasteners for attaching metal track to concrete.

Finish - Clear Zinc

**PRODUCT SIZES AND ORDERING INFORMATION**

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
SLOP35-Z	10 X 35mm	10m		

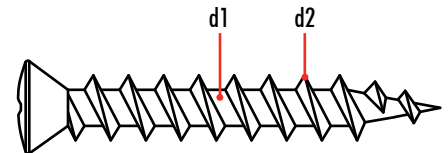
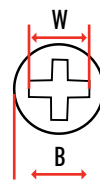
**PRODUCT DIMENSIONS (MILLIMETERS)**

Gauge	B Head Dia	Recess Depth	W Gauging Width	d Shank Dia	d2 Major Dia	TPI
10	8.95-9.30	2.70-3.20	#2	3.05-3.35	4.7-5.00	12

**Pull-out and Shear Test Data\*\***

Screw Gauge	Nominal Ultimate Shear	Ultimate Tension
#10	1727	2455
	Allowable Shear	Allowable Tension
	576	818

\*\*GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values achieved under independent laboratory conditions, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.



All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 1401 certified and approved. The fasteners comply with SAE J78 and ASTM C1002, as referenced in ICCFS report ER-5280, and are approved for use by the Uniform Building Code. ©2012 GRABBER Construction Products, Inc. GRABBER®, STREAKER®, DRIVALL®, LOX®, GRABBERGARD® and SCAVENGER® are registered

