

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.

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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.

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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 ²)	STRENGTH(kg/mm ²)
#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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