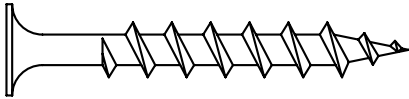


**EXTERIOR WOOD****Product #230X****Bugle Head GRABBER®** (1 OF 3)

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**

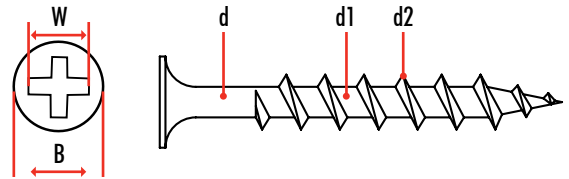
Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
100RG	#6x1"	25 mm	10 M	30.00(lbs)
300RG	#6x1-1/4"	32 mm	8 M	33.00(lbs)
200RG	#6x1-1/8"	28 mm	10 M	33.00(lbs)
400RG	#6x1-5/8"	41 mm	5 M	22.00(lbs)
500RG	#7x2"	51 mm	3.5 M	21.00(lbs)
600RG	#7x2-1/4"	57 mm	3 M	20.00(lbs)
900RG	#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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