

PRODUCT SUBMITTAL

Submitted to:

Project:

Date of Submittal:

Submitted by, Contact name:

Company:

Address:

Phone:

Email:

Approved

Approved as Noted

Not Approved

Comments:

By:

Date:

List of items from Table A submitted for the project:

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Product Family - DDF - Self-Drilling Dome Head Fine Thread

TABLE A

Item Number	Screw Size (#)	Length (in.)	Head Style	Head Diameter (in.)	TPI	Point Size	Coating	Maximum Total Drilling Thickness (in.)	Drive Type	Bulk Quantity	Special Features
234FZ	8	1/2	Dome	0.417	18	3	Clear Zinc	0.140	#2 Phillips	10,000	
834FZ3	8	3/4	Dome	0.417	18	3	Clear Zinc	0.140	#2 Phillips	7,500	
CW8125L2RG	8	1-1/4	Dome	0.492	18	3	GrabberGard®	0.140	#2 LOX	1,000	Wide-Tape Collated

Grabber screws manufactured in America are available as SPECIAL-ORDER INVENTORY. CONTACT GRABBER FOR CURRENT PRICE AND AVAILABILITY. For identification purposes, an "A" will be added to the end of the item number and "Made in America" will be printed on the label.

Prefixes: C = Collated, X = 1-lb, VB = 5-lb, BP = Blister Pack

Description: Self-drilling dome head screw used in heavy-gauge (see TABLE A - Maximum Total Drilling Thickness) metal-to-metal applications. Self tapping drill point is designed for penetration into heavy-gauge metal.

Directions: Use a standard screwgun with a depth sensitive nose piece. Suggested screwgun specification for optimal performance - Size #8, up to 2,500 RPM. The head is fully seated when the bearing surface of the head is flush with the work surface. Overdriving may result in failure of the fastener.

Corrosion: For Corrosion Resistance Testing Results, see TABLE B.

Certifications: All GRABBER® screw products are manufactured in facilities that are ISO 9001 certified. DDF Fasteners comply with ASTM C1513 requirements.

DDF - Self-Drilling Dome Head Fine Thread

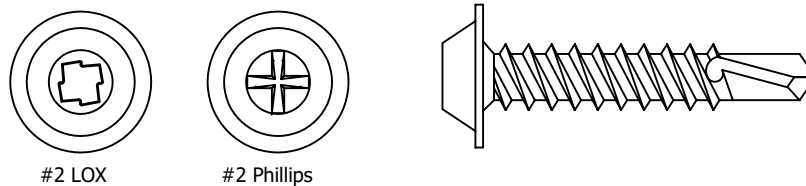


TABLE B

CORROSION RESISTANCE TESTING RESULTS			
Finish	Test	Standard/Protocol	Results (minimum)
(Z) Clear Zinc	Salt Spray	ASTM B117	12 hours, no red rust
(G) GrabberGard	Salt Spray	ASTM B117	1,000 hours, no red rust

NOTE: Salt Spray Testing (SST) results are not intended to predict corrosion resistance in real-world environments. The ASTM B117 standard for SST is recognized industry-wide as an effective tool to compare different metals and different metal coatings in a tightly controlled highly corrosive environment for specific periods of time. For more information about corrosion resistance, see the *Grabber Guide to Corrosion Resistance*.

Grabber's approved mills keep tight control over all production standards and processes. Grabber's mills are ISO 9001 ensuring Grabber fasteners meet or exceed the highest industry standards.

Self-Drilling Screw Selection Guide

DRILL POINT SELECTION

Drill Flute (Point Length)
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 embedded 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.

Pilot Point Length
The un-threaded 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. thick, 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 .040-in.) to be drilled.

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GrabberGard®

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We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Our Liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days of the date it was or reasonably should have been discovered.