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:

Product Family - DRF - Self-Drilling Reduced Modified Truss 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
FP101875XD	10	3/4	Reduced MTH	0.344	18	3.5	Phosphate	0.210	X-Drive (SCR#1)	8,000
FP101875XDYZ	10	3/4	Reduced MTH	0.344	18	3.5	Yellow Zinc	0.210	X-Drive (SCR#1)	8,000
FP101875XDZ	10	3/4	Reduced MTH	0.344	18	3.5	Clear Zinc	0.210	X-Drive (SCR#1)	8,000
FP101875XDC3	10	3/4	Reduced MTH	0.344	18	3.5	GrabberGard®	0.210	X-Drive (SCR#1)	8,000
FP101875XDG	10	3/4	Reduced MTH	0.344	18	3.5	GrabberGard®	0.210	X-Drive (SCR#1)	8,000
FP121875XDC3	12	3/4	Reduced MTH	0.344	18	3	GrabberGard®	0.250	X-Drive (SCR#1)	8,000

Grabber screws manufactured in America are available as SPECIAL-ORDER INVENTORY. CONTACT GRABBER FOR CURRENT PRICE AND AVAILABILITY. For identification purposes, an "A" will 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 Reduced Modified Truss Head screw with 4-serrations under head (Size #10 has notched upper threads) 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 #10, up to 2,500 RPM, Size #12, up to 1,800 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. DRF fasteners comply with ASTM C1513 requirements.

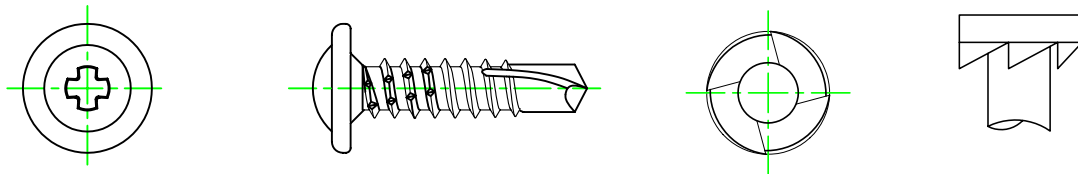### DRF - Self-Drilling Reduced Modified Truss Head Fine Thread

TABLE B

CORROSION RESISTANCE TESTING RESULTS			
Finish	Test	Standard/Protocol	Results (minimum)
Gray Phosphate	Salt Spray	ASTM B117	48 hours, no red rust
(Z) Clear Zinc	Salt Spray	ASTM B117	12 hours, no red rust
(YZ) Yellow Zinc	Salt Spray	ASTM B117	24 hours, no red rust
(G, C3) 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 for Fasteners.*

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.