

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 - DSF - Self-Drilling Scavenger Head Fine Thread

TABLE A

Item Number	Screw Size (#)	Length	Head Style	Head Diameter (in.)	TPI	Point Size/Style	Coating	Maximum Total Drilling Thickness (in.)	Drive Type	Bulk/Collated Quantity
13S	6	1-in	Scavenger®	0.325	20	3	Phosphate	0.112	#2 Phillips	10,000
13SZ	6	1-in	Scavenger®	0.325	20	3	Clear Zinc	0.112	#2 Phillips	10,000
135S	6	1-1/8-in	Scavenger®	0.325	20	3	Phosphate	0.112	#2 Phillips	10,000
135SZ	6	1-1/8-in	Scavenger®	0.325	20	3	Clear Zinc	0.112	#2 Phillips	10,000
14S	6	1-1/4-in	Scavenger®	0.325	20	3	Phosphate	0.112	#2 Phillips	8,000
C14S	6	1-1/4-in	Scavenger®	0.325	20	3	Phosphate	0.112	#2 Phillips	1,000
14SZ	6	1-1/4-in	Scavenger®	0.325	20	3	Clear Zinc	0.112	#2 Phillips	8,000
15S	6	1-5/8-in	Scavenger®	0.325	20	3	Phosphate	0.112	#2 Phillips	5,000
15SZ	6	1-5/8-in	Scavenger®	0.325	20	3	Clear Zinc	0.112	#2 Phillips	5,000
16S	6	1-7/8-in	Scavenger®	0.325	20	3	Phosphate	0.112	#2 Phillips	4,000
16SZ	6	1-7/8-in	Scavenger®	0.325	20	3	Clear Zinc	0.112	#2 Phillips	4,000
14SZ8	8	1-1/4-in	Scavenger®	0.325	18	3	Clear Zinc	0.140	#2 Phillips	6,000
30SS	8	2-3/8-in	Scavenger®	0.325	18	3	Phosphate	0.140	#2 Phillips	3,000
30SSRG	8	2-3/8-in	Scavenger®	0.325	18	3	GrabberGard®	0.140	#2 Phillips	3,000
30SSZ	8	2-3/8-in	Scavenger®	0.325	18	3	Clear Zinc	0.140	#2 Phillips	3,000
C30SSZ	8	2-3/8-in	Scavenger®	0.325	18	3	Clear Zinc	0.140	#2 Phillips	1,000
30MS	8	2 5/8-in	Scavenger®	0.325	18	3	Phosphate	0.140	#2 Phillips	2,000
30MSZ	8	2 5/8-in	Scavenger®	0.325	18	3	Clear Zinc	0.140	#2 Phillips	2,000
30LS	8	3-in	Scavenger®	0.325	18	3	Phosphate	0.140	#2 Phillips	2,000
30LSRG	8	3-in	Scavenger®	0.325	18	3	GrabberGard®	0.140	#2 Phillips	2,000
30LSZ	8	3-in	Scavenger®	0.325	18	3	Clear Zinc	0.140	#2 Phillips	2,000

Grabber screws manufactured in America are available as SPECIAL-ORDER INVENTORY. CONTACT GRABBER FOR CURRENT PRICE AND AVAILABILITY. For identification purposes, an "A" will 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 Scavenger head screw used in heavy-gauge (see TABLE A - Maximum Total Drilling Thickness) gypsum board-to-metal applications. Self tapping drill point is designed for penetration into heavy-gauge steel.

Directions: Use a standard screwgun with a depth sensitive nose piece. Suggested screwgun specification for optimal performance - Size #6 - #8, up to 2,500 RPM. For gypsum board, the Scavenger head is fully seated when the screw is below the surface of the wallboard in accordance with Section 11.6.3 of ASTM C954. Overdriving may result in failure of the fastener, or failure of the gypsum board.

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

Certifications: All GRABBER® screw products are manufactured in facilities that are ISO 9001. DSF fasteners are used for gypsum board-to-heavy-gauge steel applications and comply with ASTM C954 and ASTM C1513 requirements.

Self-Drilling Screw Selection Guide

DRILL POINT SELECTION

Top Material to be drilled

Bottom Material to be drilled

Total Drilling Thickness

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.

Flute Length

Top Material to be drilled

Void or insulation

Bottom Material to be drilled

Total Drilling Thickness

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.

Pilot Point Length

Pre-drilled or punched hole with diameter Larger than screw threads

Pre-drilled or punched top material

Void or insulation

Bottom Material to be drilled

Total Drilling Thickness

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.

Winged Point

DSF - Self-Drilling Scavenger Head Fine Thread

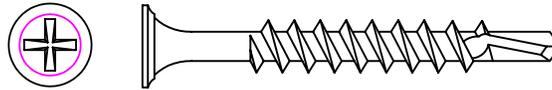


TABLE B

CORROSION RESISTANCE TESTING RESULTS			
Finish	Test	Standard/Protocol	Results (minimum)
Phosphate	Salt Spray	ASTM B117	24 hours, no red rust
(Z) Clear Zinc	Salt Spray	ASTM B117	12 hours, no red rust
(RG) GrabberGard®	Salt Spray	ASTM B117	1000 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.

TRADEMARKS:

The following trademarks used herein are owned by Grabber Construction Products, Inc.:

- GRABBER®
- GrabberGard®
- Scavenger®

NOTICE:

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.