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 - DPF - Self-Drilling Pan, Flat Pan, Pan Framing Head Fine Thread

TABLE A

Item Number	Screw Size (#)	Length (in.)	Head Style	Head Diameter (in.)	TPI	Point Size/Style	Coating	Maximum Total Drilling Thickness (in.)	Drive Type	Bulk Quantity	Special Features
19	6	7/16	Pan Framing	0.305	20	3	Phosphate	0.110	#2 Phillips	15,000	
19Z	6	7/16	Pan Framing	0.305	20	3	Clear Zinc	0.110	#2 Phillips	15,000	
20Z	8	1/2	Pan	0.314	18	3	Clear Zinc	0.140	#2 Phillips	10,000	
10058P3	10	5/8	Pan	0.365	16	3	Clear Zinc	0.175	#2 Phillips	7,500	
10058P3RG	10	5/8	Pan	0.365	16	3	GrabberGard®	0.175	#2 Phillips	7,500	
10075P3	10	3/4	Pan	0.365	16	3	Clear Zinc	0.175	#2 Phillips	5,000	
10075P3RG	10	3/4	Pan	0.365	16	3	GrabberGard®	0.175	#2 Phillips	5,000	
1058FP	10	5/8	Flat Pan	0.313	16	3	Clear Zinc	0.175	#2 Phillips	10,000	
CFP101858JBWZ	10	5/8	Flat Pan	0.364	18	3	Clear Zinc	0.175	#2 LOX	1,000	Collated, Underhead Serrations
CFP101875JBWRG	10	3/4	Flat Pan	0.364	18	3	GrabberGard®	0.175	#2 LOX	1,000	Collated, Underhead Serrations
CFP101875JBWZ	10	3/4	Flat Pan	0.364	18	3	Clear Zinc	0.175	#2 LOX	1,000	Collated, Underhead Serrations
CFP101875LYZ	10	3/4	Flat Pan	0.364	18	3	Yellow Zinc	0.175	#2 LOX	1,000	Collated, Underhead Serrations
CFLP101875LRG	10	3/4	Flat Pan	0.364	18	3	GrabberGard®	0.175	#2 LOX	1,000	Collated, Low Profile Flat Pan Head
FLP101875LYZ	10	3/4	Flat Pan	0.364	18	3	Yellow Zinc	0.175	#2 LOX	8,000	Low Profile Flat Pan Head
FLP101875LRG	10	3/4	Flat Pan	0.364	18	3	GrabberGard®	0.175	#2 LOX	8,000	Low Profile Flat Pan Head
FP101875JBWRG	10	3/4	Flat Pan	0.364	18	3	GrabberGard®	0.175	#2 LOX	8,000	Underhead Serrations
FP101875JBWZ	10	3/4	Flat Pan	0.364	18	3	Clear Zinc	0.175	#2 LOX	8,000	Underhead Serrations
FP101875LYZ	10	3/4	Flat Pan	0.364	18	3	Yellow Zinc	0.175	#2 LOX	8,000	Underhead Serrations
FP101875LCR3	10	3/4	Flat Pan	0.364	18	3	CR3+* Zinc	0.175	#2 LOX	8,000	Underhead Serrations
CFP102275LYZ	10	3/4	Flat Pan	0.364	22	3.5	Yellow Zinc	0.210	#2 LOX	1,000	Collated, Underhead Serrations
FP102275LYZ	10	3/4	Flat Pan	0.364	22	3.5	Yellow Zinc	0.210	#2 LOX	8,000	Underhead Serrations
CFP102275TYZ	10	3/4	Flat Pan	0.364	18	3.5	Yellow Zinc	0.210	T25	1,000	Collated
CFP121875L2Z	12	3/4	Flat Pan	0.364	18	3.5	Clear Zinc	0.250	#2 LOX	1,000	Collated, Underhead Serrations
CFP121875LYZ	12	3/4	Flat Pan	0.364	18	3.5	Yellow Zinc	0.250	#2 LOX	1,000	Collated, Underhead Serrations
FP121875LCR3	12	3/4	Flat Pan	0.364	18	3.5	CR3+* Zinc	0.250	#2 LOX	1,000	Underhead Serrations
CFP121875TZ	12	3/4	Flat Pan	0.364	18	3.5	Clear Zinc	0.250	T25	1,000	Collated, Underhead Serrations
FP121875LYZ	12	3/4	Flat Pan	0.364	18	3.5	Yellow Zinc	0.250	#2 LOX	8,000	Underhead Serrations
CFP121878JBWZ	12	7/8	Flat Pan	0.364	18	3.5	Clear Zinc	0.250	#2 LOX	1,000	Collated, Underhead Serrations
CFP121878LRG	12	7/8	Flat Pan	0.364	18	3.5	GrabberGard®	0.250	#2 LOX	1,000	Collated, Underhead Serrations
FP121878JBWZ	12	7/8	Flat Pan	0.364	18	3.5	Clear Zinc	0.250	#2 LOX	6,000	Underhead Serrations
FP1218150JBWZ	12	1-1/2	Flat Pan	0.364	18	3.5	Clear Zinc	0.250	#2 LOX	3,000	Underhead Serrations

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.

*NOTE: CR3+ Zinc is a trivalent chromium coating that meets REACH and RoHS requirements.

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

Description: Self-drilling pan, flat pan and pan framing head screws 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 steel.

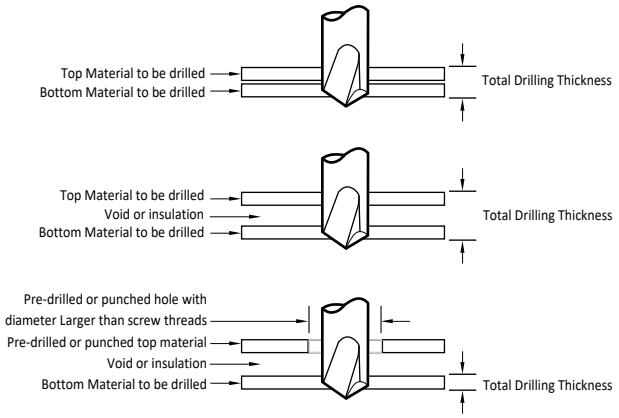
Directions: Use a standard screwgun with a depth sensitive nose piece. Suggested screwgun specification for optimal performance - Size #6 - #10, Up to 2500 RPM, Size #12, Up to 1800 RPM. Overdriving may result in failure of the fastener.

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

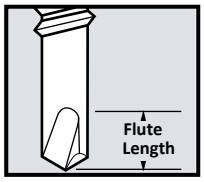
Certifications: All GRABBER® screw products are manufactured in facilities that are ISO 9001. DPF fasteners comply with ASTM C1513 requirements and ASTM C954 requirements and specific fasteners are listed in ICC-ES ESR-1271: CHECK REPORT.

Self-Drilling Screw Selection Guide

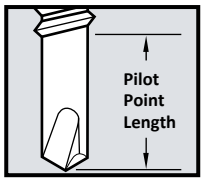
DRILL POINT SELECTION



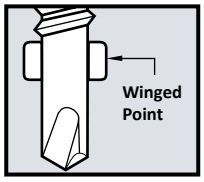
Drill Flute (Point Length)
The length of the drill flute determines the metal thickness that can be drilled. The flute itself provides a channel for chip removal during drilling action. If it becomes completely embedded in material, drill chips will be trapped in the flute and cutting action will cease. This will cause the point to burn up or break.



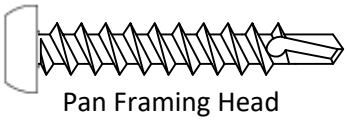
Pilot Point Length
The un-threaded section from the point to the first thread should be long enough to assure the drilling action is complete before the first thread engages the drilled metal. Screw threads advance at a rate of up to ten times faster than the drill flute can remove metal. All drilling 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.

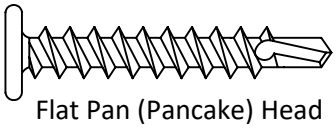


DPF - Self-Drilling Pan, Flat Pan, Pan Framing Head Fine Thread



Pan Framing Head

Pan Head



Flat Pan (Pancake) Head

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
(YZ) Yellow Zinc (RG)	Salt Spray	ASTM B117	24 hours, no red rust
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.