

## PRODUCT SUBMITTAL

**Submitted to:**

Project:

Date of Submittal:

**Submitted by, Contact name:**

Company:

Address:

Phone:

Email:

Approved

Approved as Noted

Not Approved

Comments:

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By:

Date:

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List of items from Table A submitted for the project:

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**Product Family: PMF - Self-Piercing Modified Truss Head Fine Thread**

**TABLE A**

Item Number	Screw Size (#)	Length (in.)	Head Style	Head Diameter (in.)	TPI	Point Style	Coating	Maximum Drilling Capacity (in.)	Drive Type	Bulk Quantity	Application	Special Features
31V	7	9/16-in	MTH	0.447	20	Vector	Phosphate	0.033	#2 Phillips	10,000	Lath or metal to metal up to 0.033 in.	with Serrations Under Head
31ZV	7	9/16-in	MTH	0.447	20	Vector	Clear Zinc	0.033	#2 Phillips	10,000	Lath or metal to metal up to 0.033 in.	with Serrations Under Head
31	8	9/16-in	MTH	0.447	15	Streaker	Phosphate	0.033	#2 Phillips	10,000	Lath or metal to metal up to 0.033 in.	
31RG	8	9/16-in	MTH	0.447	15	Streaker	GrabberGard®	0.033	#2 Phillips	10,000	Lath or metal to metal up to 0.033 in.	
31Z	8	9/16-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	10,000	Lath or metal to metal up to 0.033 in.	
3119Z	8	3/4-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	8,000	Lath or metal to metal up to 0.033 in.	
32	8	1-in	MTH	0.447	15	Streaker	Phosphate	0.033	#2 Phillips	5,000	Lath or metal to metal up to 0.033 in. or wood	
32RG	8	1-in	MTH	0.447	15	Streaker	GrabberGard®	0.033	#2 Phillips	5,000	Lath or metal to metal up to 0.033 in. or wood	
32Z	8	1-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	5,000	Lath or metal to metal up to 0.033 in. or wood	
33RG	8	1-1/4-in	MTH	0.447	15	Streaker	GrabberGard®	0.033	#2 Phillips	5,000	Lath or metal to metal up to 0.033 in. or wood	
33Z	8	1-1/4-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	5,000	Lath or metal to metal up to 0.033 in. or wood	
3138	8	1-1/2-in	MTH	0.447	15	Streaker	Phosphate	0.033	#2 Phillips	3,000	Lath or metal to metal up to 0.033 in. or wood	
3138RG	8	1-1/2-in	MTH	0.447	15	Streaker	GrabberGard®	0.033	#2 Phillips	3,000	Lath or metal to metal up to 0.033 in. or wood	
3138Z	8	1-1/2-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	3,000	Lath or metal to metal up to 0.033 in. or wood	
3140Z	8	1-5/8-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	3,000	Lath or metal to metal up to 0.033 in. or wood	
3145Z	8	1-3/4-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	3,000	Lath or metal to metal up to 0.033 in. or wood	
3151Z	8	2-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	2,500	Lath or metal to metal up to 0.033 in. or wood	
3163Z	8	2-1/2-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	2,500	Lath or metal to metal up to 0.033 in. or wood	
3176Z	8	3-in	MTH	0.447	15	Streaker	Clear Zinc	0.033	#2 Phillips	1,000	Lath or metal to metal up to 0.033 in. or wood	
311038Z	10	1-1/2-in	MTH	0.447	12	Streaker	Clear Zinc	0.033	#2 Phillips	4,000	Lath or metal to metal up to 0.033 in. or wood	
311089Z	10	3-1/2-in	MTH	0.447	12	Streaker	Clear Zinc	0.033	#2 Phillips	1,000	Lath or metal to metal up to 0.033 in. or wood	
3110102Z	10	4-in	MTH	0.447	12	Streaker	Clear Zinc	0.033	#2 Phillips	1,000	Lath or metal to metal up to 0.033 in. or wood	

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: Modified Truss Head Streaker point screw used in light-gauge (see TABLE A - Maximum Total Drilling Thickness) steel and wood applications. Vector point screws are designed for faster penetration into light-gauge steel.

Directions: Use a standard screwgun with a depth sensitive nose piece. Suggested screwgun specification for optimal performance - Gauges #6 - #10, up to 4,000 RPM. The Modified Truss 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.

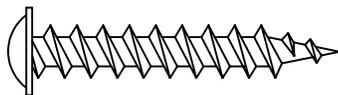
Corrosion: For Corrosion Resistance Testing Results, see TABLE B.

Certifications: All GRABBER® screw products are manufactured in facilities that are ISO 9001. PMF fasteners comply with ASTM C1513 and ASTM C1002 requirements.

**PMF - Self-Piercing Modified Truss Head Fine Thread**



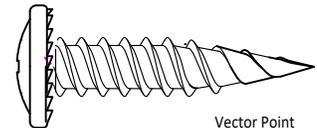
Head Shape Detail



Streaker Point



Streaker Point



Vector Point



**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.

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