

PRODUCT SUBMITTAL

Submitted to:

Project:

Date of Submittal:

Submitted by, Contact name:

Company:

Address:

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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 - S-DMF - SCORPION Self-Drilling Modified Truss Head Fine Thread

TABLE A

Item Number	Screw Size (#)	Length	Head Style	Head Diameter	TPI	Point Size/Style	Coating	Maximum Total Drilling Thickness	Drive Type	Bulk Quantity
DPLH012	8	1/2-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	10,000
DPLH034	8	3/4-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	8,000
DPLH114	8	1-1/4-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	5,000
DPLH158	8	1-5/8-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	4,000
DPLH158RG	8	1-5/8-in.	MTH	0.425-in	18	3	NanoGard®	0.140-in	#2 Phillips	4,000
DPLH178	8	1-7/8-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	3,000
DPLH212	8	2-1/2-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	2,500
DPLH214	8	2-1/4-in.	MTH	0.425-in	18	3	Clear Zinc	0.140-in	#2 Phillips	2,500
DPLH258RG	8	2-5/8-in.	MTH	0.437-in	18	3	NanoGard®	0.140-in	#2 Phillips	2,500
DPLH10034	10	3/4-in.	MTH	0.437-in	16	3	Clear Zinc	0.175-in	#2 Phillips	5,000
DPLH10358RG	10	3-5/8-in.	MTH	0.437-in	16	4	NanoGard®	0.210-in	#2 Phillips	1,000
DPLH12475RG	12	4-3/4-in.	MTH	0.472-in	13	1	NanoGard®	0.110-in	#2 Phillips	1,000
DPLH12478RG	12	4-7/8-in.	MTH	0.472-in	18	4	NanoGard® Green	0.250-in	T25	1,000
DPLH12578RG	12	5-7/8-in.	MTH	0.472-in	18	4	NanoGard® Green	0.250-in	T25	1,000

Prefixes: PP = 1-lb, FP = 5-lb, CP = Count Pack

Suffixes: RG - NanoGard®

Description: Self-Drilling Modified Truss Head screw used in heavy-gauge (see TABLE A - Maximum Total Drilling Thickness) metal-to-metal or lath-to-metal applications. Self tapping drill point is designed for penetration into heavy-gauge metal. May be used in EIFS systems/applications as appropriate.

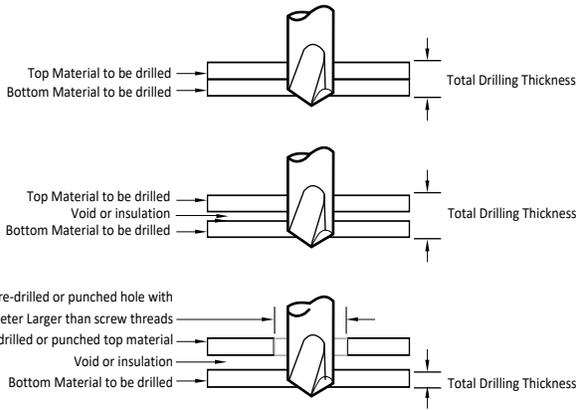
Directions: Use a standard screwgun with a depth sensitive nose piece. Suggested screwgun specification for optimal performance - Size #8 - #10, up to 2,500 RPM. Size #12, up to 1,800 RPM. Use extra caution when installing with an impact driver. The head is fully seated when the bearing surface of the 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: S-DMF fasteners comply with ASTM C1513 and ASTM C954 requirements.

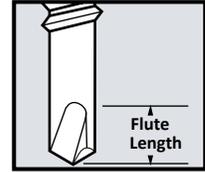
Self-Drilling Screw Selection Guide

DRILL POINT SELECTION



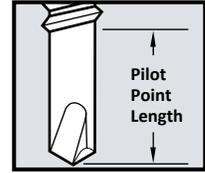
Drill Flute (Point Length)

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.



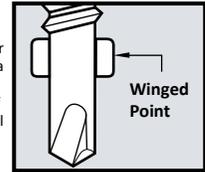
Pilot Point Length

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.

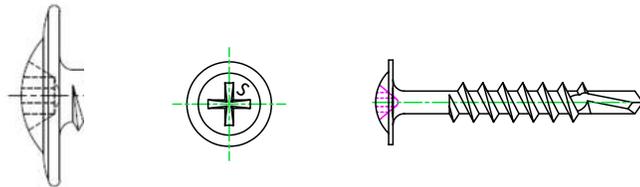


Drilling Through Wood To Metal

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.



S-DMF - SCORPION Self-Drilling Modified Truss Head Fine Thread



Head Shape Detail

TABLE B

CORROSION RESISTANCE TESTING RESULTS			
Finish	Test	Standard/Protocol	Results (minimum)
Clear Zinc	Salt Spray	ASTM B117	12 hours, no red rust
NanoGard®	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*.

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