



How does the PANEL-TITE® BURR BUSTER® compare to a Self-drilling wood screw



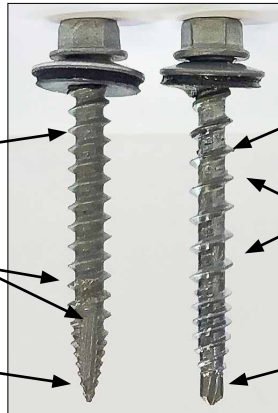
SIZE: #10-12

Our low angle thread produces more control during tightening that helps resist loosening.

Our milled point with serrated threads reduces tapping torque.

The BURR BUSTER point pierces the steel consistently without walking. It reduces chips that can rust the panel.

-VERSUS-



Self-Drilling Screw Metal-to-Wood

SIZE: #10-8

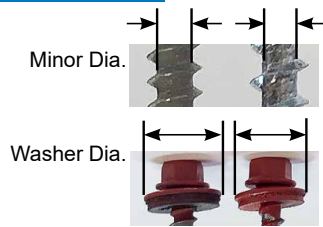
Coarse steep angled threads strips-out easier which can lead to back-out.

Electroplated Zinc finish is not suitable for pressure treated lumber

During drilling the point can "walk" which scratches the metal's protective coating leading to premature rust. It also leaves behind metal chips that rust the panel.

Note: Results are for a typical self-drilling metal-to-wood screw.

DIMENSIONAL



DIMENSION	PANEL-TITE BB	SELF-DRILLER	Why PANEL-TITE?
THREAD	#10-12	#10-8	The minor diameter of the PANEL-TITE® is larger which produces 5% more torsional strength. This helps to eliminate screw failure cause from over-driving.
Major	.190"	.190"	
Minor	.128"	.120"	
WASHER DIAMETER	.503"	.468"	The larger diameter washer on the PANEL-TITE® produces greater pullover loads.

PHYSICAL

Torsional Strength



DESCRIPTION	PANEL-TITE BB	SELF-DRILLER	Why PANEL-TITE?
Torsional Strength	70 in-lbs	66 in-lbs	The higher torsional strength of the PANEL-TITE® produces greater clamping forces that reduces back-out.
Material	Carbon Steel	Carbon Steel	We produce PANEL-TITE BB from C1022 that produces consistent hardening.

PERFORMANCE

PERFORMANCE	PANEL-TITE BB	SELF-DRILLER	Why PANEL-TITE?
Piercing Test 17 lb load—26ga steel to 1/2" plywood	1.0 sec. (avg)	1.2 sec. (avg)	Note 20% of the self-drilling screws "walked" across the steel before drilling. All of the PANEL-TITE® screws pierced the steel.
Pullout Loads			Published Results Drill point and thread form of a self-drilling screw produces less pullout.
58" Plywood	450 lbs.	384 lbs.	
2x SYP (1" depth)	1,059 lbs	713 lbs.	
Pullover Loads	810 lbs.	629 lbs	26 ga steel. Smaller washer OD of a self-drilling screw has less pullover strength compared to PANEL-TITE.
Strip-out 26 ga steel to 5/8" Plywood	63 lbs	30 lbs.	PANEL-TITE® produced 110% more clamping load than a self-drilling screw providing more control when using impact tools.
Paint	Wet Paint	Powder Paint	Both system provide good resistance to chalk and fade.
Corrosion	TRI-SEAL M1 1,000 hrs Salt Spray	Electro-Zinc Plated 48 hrs salt Spray	PANEL-TITE screws are over 20-times more corrosion resistant than a typical self-drilling screw

Note: Electroplated screws are susceptible to hydrogen embrittlement and stress corrosion cracking and should not be used in treated lumber

PANEL-TITE BURR BUSTER = Better Performance & More Value

COMPARISON VIDEO LINK

The LATEST SCREW INNOVATION for Post Frame panel attachment!

FULL TEST VIDEO LINK

OBJECTIVE
Objective: Stripping test of various metal-to-wood screws to compare the amount of burrs and chips produced during installation.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)