



PRODUCT DATA

s500 Extended Drill Point Insulated Panel Roofing Screw

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Extended drill point, fine pitch thread, hex head, washer and XGRIP®

Applications	
•	Extended drill point and fine pitch (20TPI) thread allows self-drilling in metal up to 12mm in thickness
•	Fastening insulated roofing panels to steel
•	Crest Fixing
•	Thick steel purlins and hot rolled steel

Material	 SAE1022
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Finish	 Class 4
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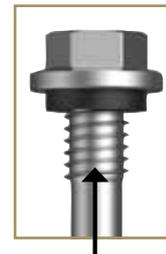
DRILLX®

Insulated Panel Roofing Screw



Pullout Values

Plate Material	Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G450	2	5600	4700	1900
G450	3	11950	10350	4150
G450	5	19050	14750	5900
G450	8	20000	16650	6650
HRS	5	19500	18650	7450
HRS	6	23050	22350	8950
HRS	8	23050	22350	8950



XGRIP®

Part	Mechanical Properties				
	Torsional Strength	¹ Mean Tensile Strength	¹ Mean Shear Strength	² Characteristic Tensile Strength	² Characteristic Shear Strength
	(Nm)	(N)	(N)	(N)	(N)
T9P54XH1420150	16.9	23050	13850	22350	12800
T9P54XH1420200					
T9P54XH1420250					
T9P54XH1420300					

Note: 1000N = 1kN

¹ Mean Load/Strength is the average ultimate strength of samples tested.

² Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

³ Working Load is the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factor of Safety (FOS=2.5 for steel, FOS=2.5 for timber and FOS=3.0 for concrete) are already included.

All values are obtained under laboratory conditions using DRILLX® product. Safety factors should be considered for design purposes. Actual pull out loads may differ depending on certain properties of the base material.

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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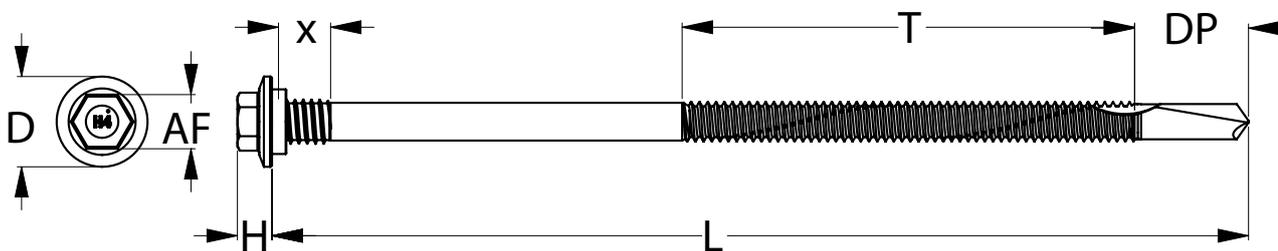


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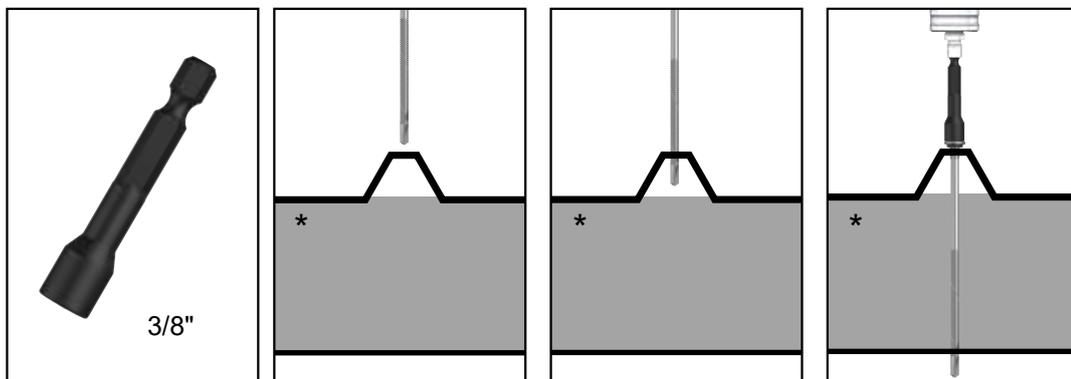
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Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head ϕ	Head Height	XGrip® Thread Length	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	D (mm)	H (mm)	X (mm)	AF (inch)	
T9P54XH1420150	QA28	14	20	150	70	16	14	6	7.3	HEX 3/8"	250
T9P54XH1420200	QA29			200							100
T9P54XH1420250	QA36			250							
T9P54XH1420300	QA37			300							50



Installation



*Insulation panel

Recommended
HEX 3/8 inch Drive Bit:

TXDIPNSS37045 - 45mm
TXDIPNSS37065 - 65mm
TXDIPNSS37150 - 150mm

Installation Guide

1. Use a cordless screw driver set between 2,200-3,000 RPM.
Fit the HEX Drive Bit over the screw and place at the fastening position.
2. Apply consistently firm pressure to the screw driver while the screw is drilling.
3. Care should be taken not to overtighten the screw.

* Installation with impact drivers not recommended

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