



PRODUCT DATA


Type 17 Flanged Hex, Scratchguard® and Seal

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Self Drilling Timber Screw (SDS) #12-11

Applications	
<ul style="list-style-type: none"> For fixing steel roofing and cladding to timber framing 	

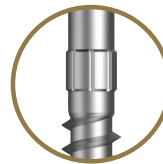
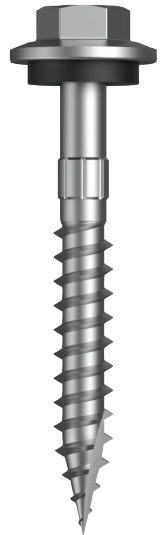
Material	 1022 C1022 Hardened
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Finish	 CL4 Class 4
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Pullout Values				
Plate Material	Timber Embedment	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
F7 Pine	35	5800	5300	2100
F27 Hardwood	35	8250	6350	2550

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)
9.4	13950	8350	11050	6650

12 Gauge Flanged Hex Head


Scratchguard®

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 pullout loads may differ slightly depending on certain properties of the base material.

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DRILLX®

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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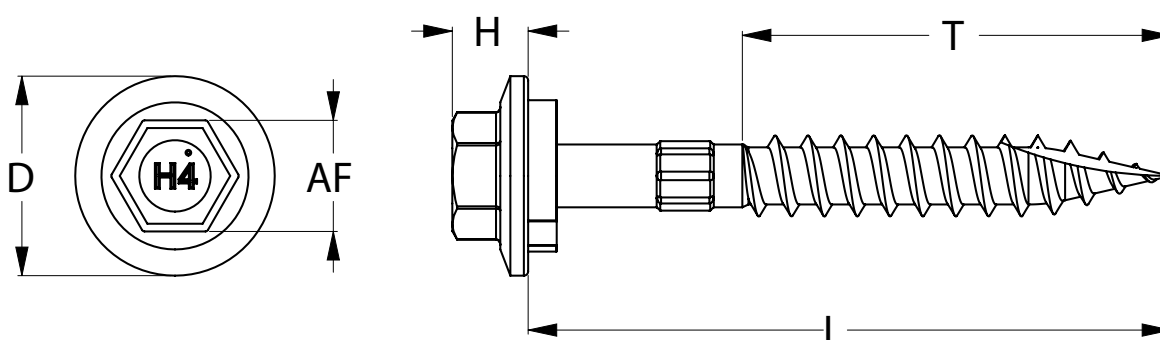


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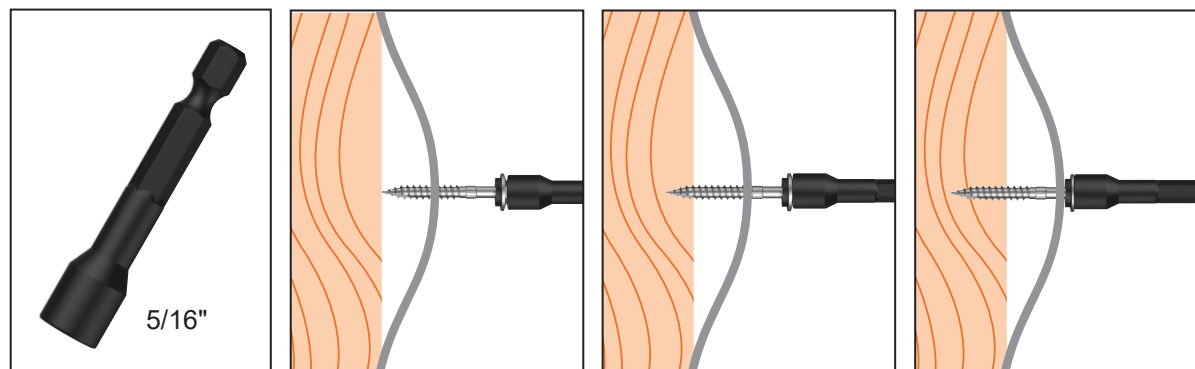
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Part	QFind	Gauge	TPI	Length	Thread Length	Head Height	Head ø	Drive Size
				L (mm)	T (mm)	H (mm)	D (mm)	AF (inch)
T9PW4SS1211045	Q605	12	11	45	30	5.5	14.5	HEX 5/16"
T9PW4SS1211050	Q610			50	35			
T9PW4SS1211065	Q613			65	45			



Installation



Recommended
HEX 5/16 inch Drive Bit:

Part	QFind	Length
		(mm)
TXDIPNSS31045	BA18	45
TXDIPNSS31065	B090	65

Installation Guide

1. Use a cordless screw driver set at max 1,500 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 over-tighten the screw.

*Installation with impact drivers not recommended.

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