



PRODUCT DATA

Timber Type 17 Flanged Hex Head

Page 1 of 2

Self Drilling Timber Screw (SDS) #12-11

Applications

- For fixing timber or thin metal to timber
- Timber brackets
- Cladding/panels to timber battens

Material



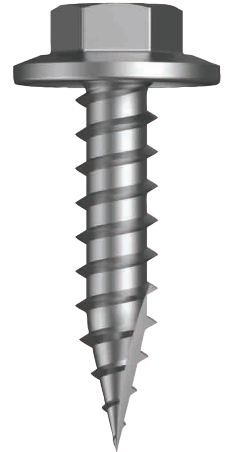
C1022 Hardened

Finish



Class 4

12 Gauge Flanged Hex Head



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	7950	7450	3000

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	16400	9850	15100	9050

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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DXTM
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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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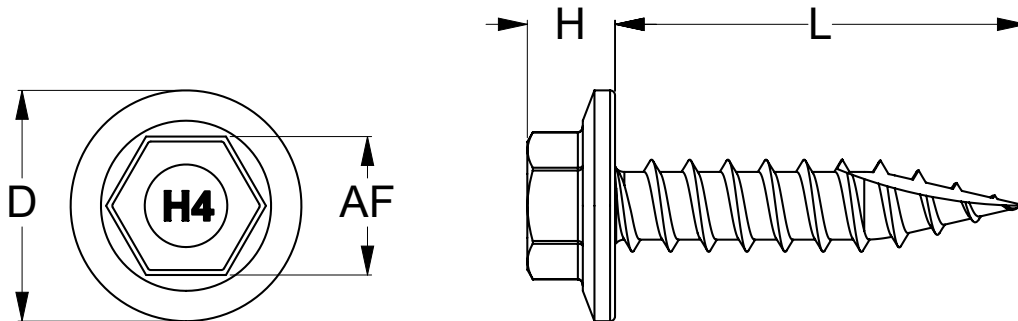


PRODUCT DATA

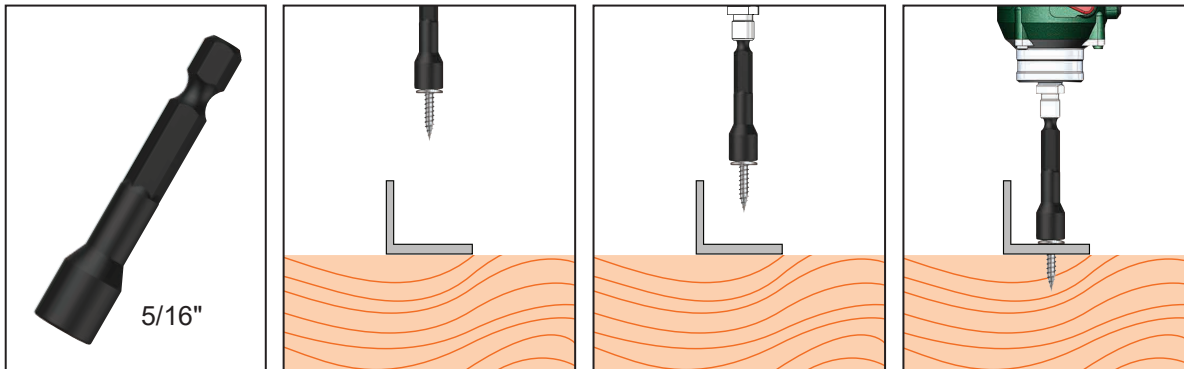
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Page 2 of 2

Part	QFind	Gauge	TPI	Length	Head Height	Head ø	Drive Size
				L (mm)	H (mm)	D (mm)	AF (inch)
T9PW4FH1211025	Q525	12	11	25	5.5	14.5	HEX 5/16"
T9PW4FH1211030	Q526			30			
T9PW4FH1211035	Q531			35			
T9PW4FH1211040	Q530			40			



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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