

PRODUCT DATA

Timber Type 17 Flanged Hex Head

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Self Drilling Timber Screw (SDS) #10-12

Applications

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

Material

1022

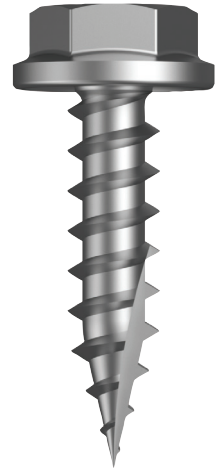
C1022 Hardened

Finish

CL4

Class 4

10 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	5400	3750	1500
F27 Hardwood	35	7850	6900	2750

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)
5.4	10750	6450	9350	5600

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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DXTM4
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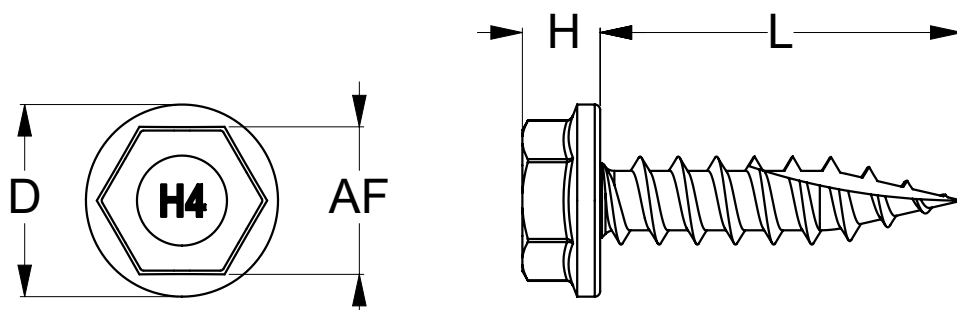


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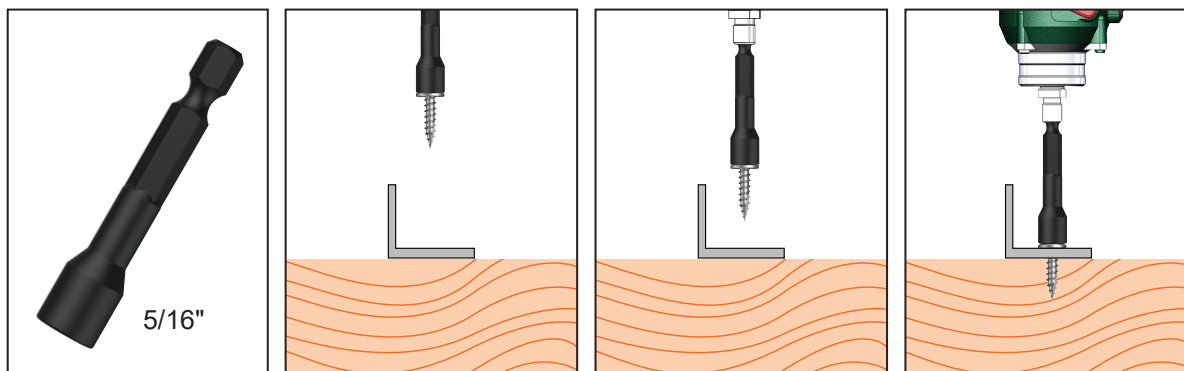
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Part	QFind	Gauge	TPI	Length	Head Height	Head ø	Drive Size
				L (mm)	H (mm)	D (mm)	AF (inch)
T9PW4FH1012020	Q519	10	12	20	4.5	11.0	HEX 5/16"
T9PW4FH1012025	Q520			25			
T9PW4FH1012030	Q523			30			



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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