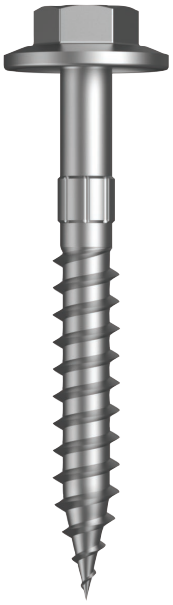
PRODUCT DATA

Timber Type 17 Flanged Hex Head and Scratchguard®

Self Drilling Timber Screw (SDS) # 12-11

Applications
• For fixing thin metal and steel cladding to timber

12 Gauge Flanged Hex Head



Material	1022 C1022 Hardened
Finish	CL4 Class 4

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

Scratchguard®

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

DX4™

DRiLLX®

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.

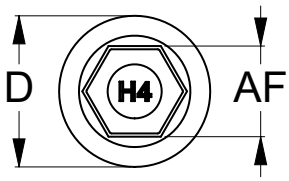
[3] Working Load is the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factor of Safety (FOS=2.5 for steel, FOS=2.5 for timber and FOS=3.0 for concrete) are already included.

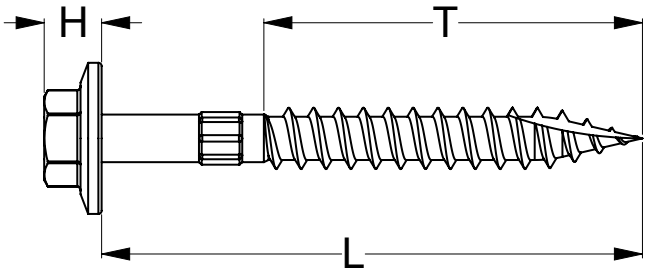
All values are obtained under laboratory conditions using DRiLLX product. Safety factors should be considered for design purposes. Actual pullout loads may differ slightly depending on certain properties of the base material.

PRODUCT DATA

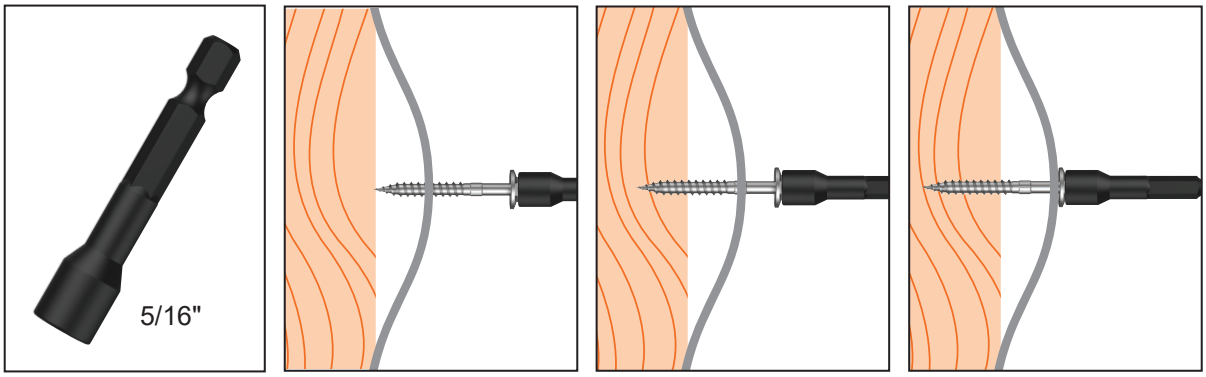
Timber Type 17 Flanged Hex Head and Scratchguard®

Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head ø	Drive Size
				L (mm)	T (mm)	H (mm)	D (mm)	AF (inch)
T9PW4FS1211045	**Q535**	12	11	45	30	11.0	14.5	HEX 5/16"
T9PW4FS1211050	**Q540**			50	35			
T9PW4FS1211065	**Q543**			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.