T9PM4FH1414

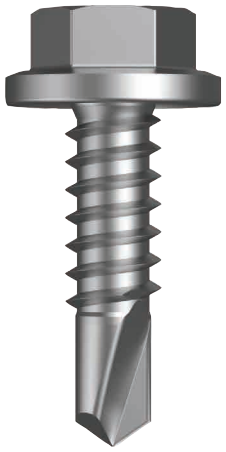
PRODUCT DATA

Metal SDS Flanged Hex Head

Self Drilling Screw (SDS) #14-14

Applications
• Metal to metal fixing • Wall cladding • Sheds • Fencing and gates • Signage • Hinges into metal posts, gates and doors

14 Gauge Hex Head



Material	1022 C1022 Hardened
Finish	CL4 Class 4

Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]Working Load
	(mm)	(N)	(N)	(N)
G2	0.8	1100	900	350
G2	1.2	2050	1700	650
G550	1.6	4600	4200	1650
G450	2.0	6000	5650	2250
G450	2.5	7950	7300	2900
G2	3.0	8100	7400	2950

Drill Point Test

Plate (Purlin)	Metal Plate Thickness	Load	Drill Speed	Drill Time	Drill Time
	(mm)	(kg)	(RPM)	(Max. individual) Seconds	(Max. average) Seconds
G450	2.5	24	2200	6	5

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)
16.9	22400	13450	20850	12500

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.

DRiLLX®

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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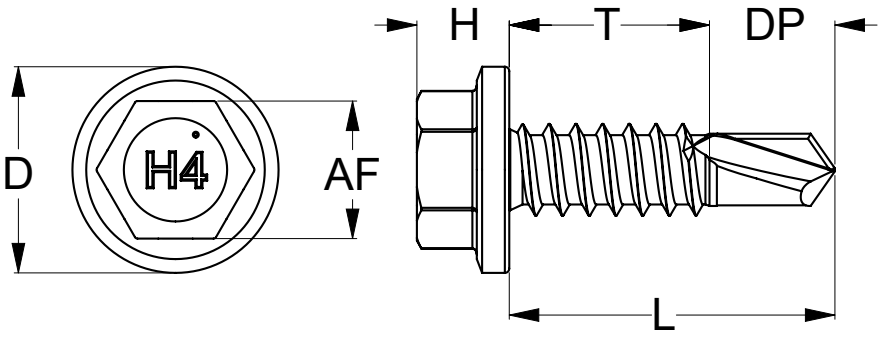
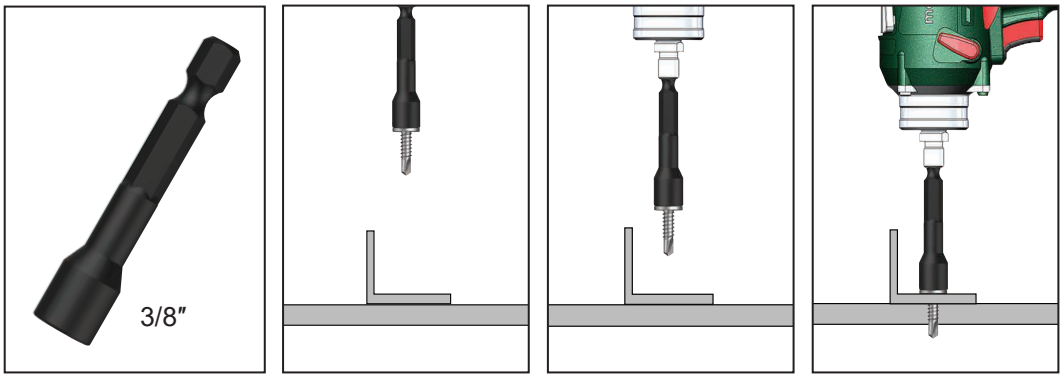
Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	AF (inch)	
T9PM4FH1414022	**Q220**	14	14	22	13.5	8.5	6.2	15	HEX 3/8"	1000



Installation



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.