T9PM4SS1410

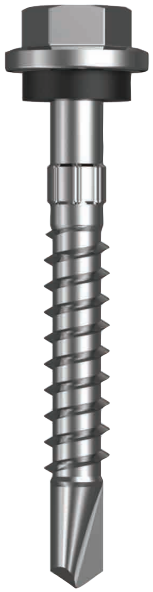
PRODUCT DATA

Metal SDS Hex Head, Seal and Scratchguard®

Self Drilling Screw (SDS) #14-10

Applications
• Metal to metal fixing • Fixing roofing profiles and wall cladding to steel purlins/ battens • Crest fixing (corrugated roofing and other profiles) • Metal Roofing- car ports, shed and cladding.

14 Gauge Hex Head



Material	1022 C1022 Hardened
Finish	CL4 Class 4

Scratchguard®

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	2100	1750	700
G450	1.6	4750	4250	1700
G450	2.0	6300	6000	2400
G450	2.5	8000	7350	2950
G2	3.0	8150	7450	3000

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	2.0	18	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)
14.1	21200	12700	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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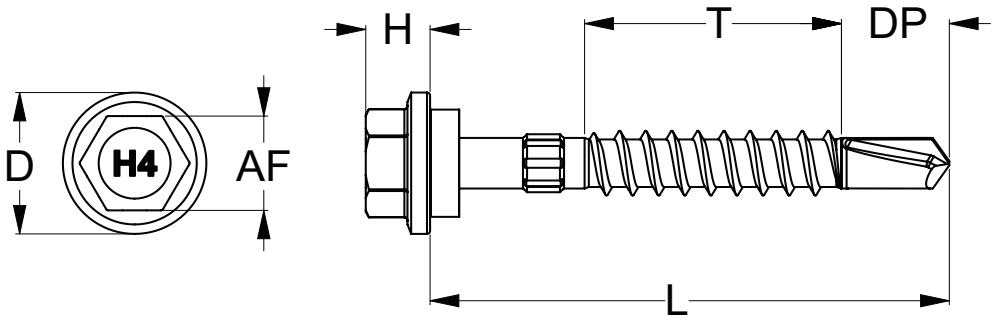
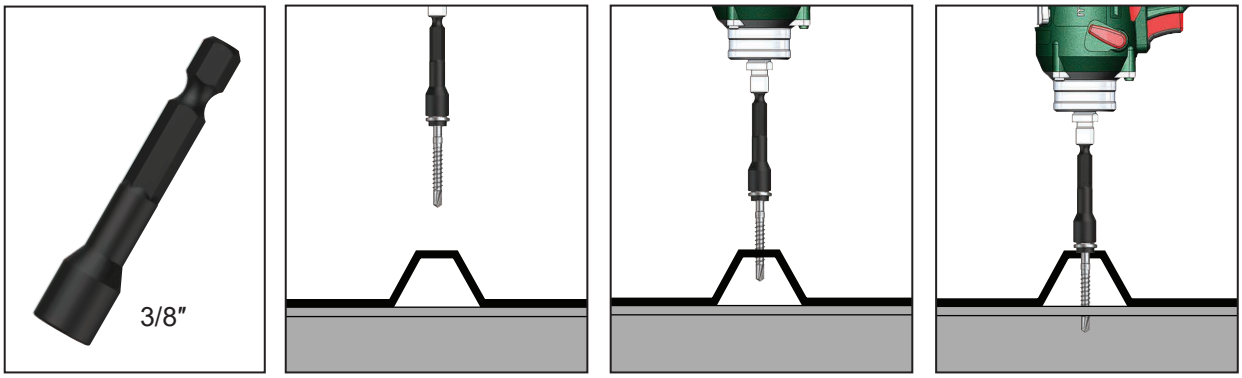
Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	AF (inch)	
T9PM4SS1410050	**Q335**	14	10	50	26	10.0	6.5	15	HEX 3/8″	500
T9PM4SS1410065	**Q340**			65	41					
T9PM4SS1410075	**Q345**			75	41					



Installation



Recommended
HEX 3/8 inch Drive Bit:

Part	QFind	Length
		(mm)
TXDIPNSS37045	BA22	45
TXDIPNSS37065	B095	65
TXDIPNSS37150	BA23	150

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 over-tighten the screw.

*Installation with impact drivers not recommended.