



Product Data Sheet

vmaX[®] SDS Hex Head Screw + Washer + XGrip



CLASS 4 / AS3566 / SAE 1022
Finish: DX4 complies to Australian Standards AS3566.2 Class 4, suitable for ISO 9223 Category 4 environments.
Application: Hobson vmaX [®] Screws have a universal drilling point. vmaX [®] screws are suitable for fastening roof sheeting to thin metal battens, timber trusses and steel purlins up to 1.9mm thick.



Part	QFind	Size	TPI	Length	Pack Qty	Pack Weight
		(mm)	(mm)	(mm)		(kg)
T9PV4XH6213050	Q304	M6.2	13	50	500	9.2
T9PV4XH6213065	Q307	M6.2	13	65	500	10.5

Material	Drilling Capacity
Top Hat Batten	0.55 mm ~ 0.75 mm
Steel Purlin	1.2 mm ~ 1.9 mm
Timber, Pine and Hardwood	35.0 mm embedment min.

Mechanical Properties	Characteristic*
Tensile Strength (N)	16,609
Shear Strength (N)	9,134
Torsional Strength (Nm)	15.7

Ultimate Pullout Strength (N)		
Base Plate	Mean [^]	Characteristic*
0.48 mm G550 Steel	1,365	1,086
0.55 mm G550 Steel	1,638	1,359
0.75 mm G550 Steel	2,444	2,142
1.20 mm G450 Steel	3,782	3,593
1.50 mm G450 Steel	5,568	5,246
1.90 mm G450 Steel	7,073	6,674
F7 (Pine) Timber	4,300	–
F17 (Hardwood) Timber	6,570	–

All values are obtained under laboratory conditions using DRILLX[®] vmaX[®] product. Safety factors should be considered for design purposes.

* Characteristic Strength – is the 5% fractile strength which has a 95% probability of being exceeded at a confidence level of 90%.

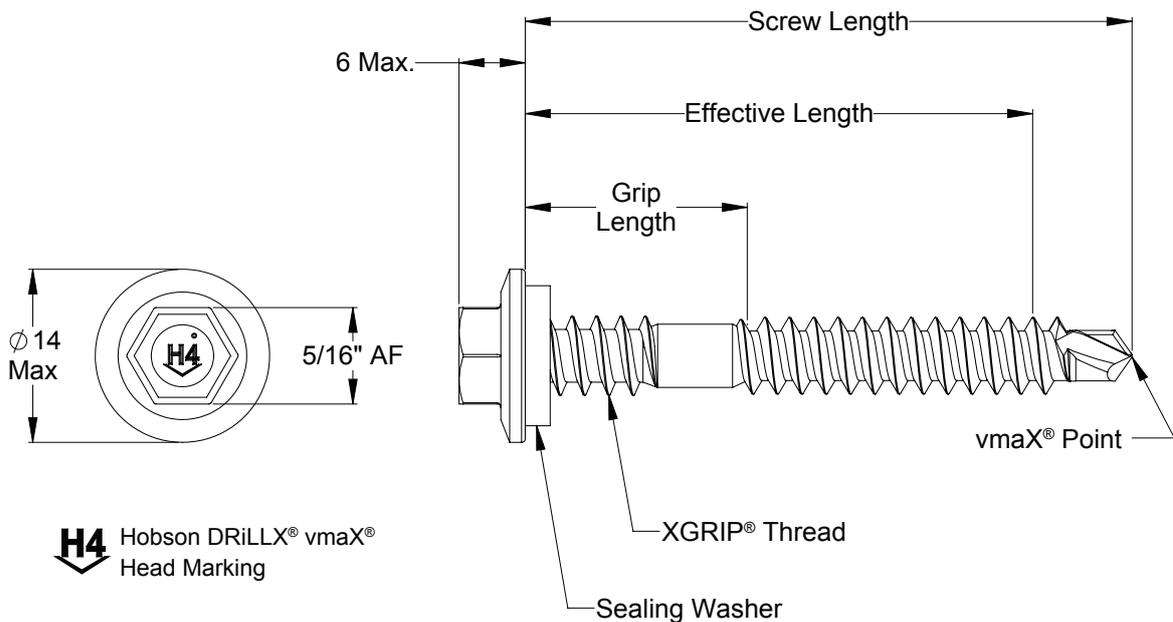
[^] Mean Ultimate Strength – is the average ultimate strength of samples tested.



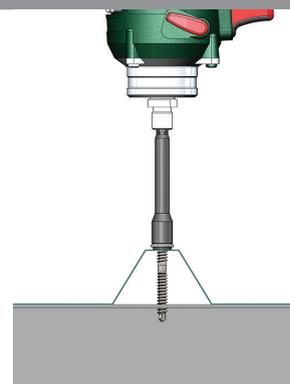
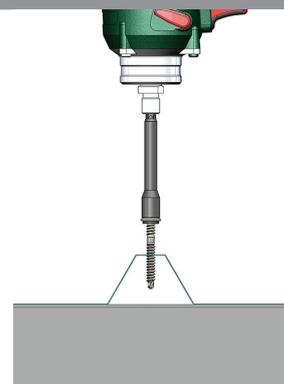
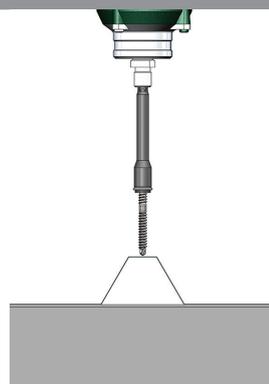
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Part	Length (mm)	Grip Length (mm)	Effective Length (mm)
T9PV4XH6213050	49.0 - 51.0	20.2 - 21.0	41.7 Max
T9PV4XH6213065	64.0 - 66.0	35.2 - 36.0	56.7 Max



Installation Instructions



1. Use a 5/16" Hobson Hex Nut Setter:
TXDSIS0310045 – 45mm
TXDSIS0310065 – 65mm
TXDSIS0310100 – 100mm
TXDSIS0310150 – 150mm
TXDSIS0310200 – 200mm
TXDSIS0310300 – 300mm
2. Use a cordless screw driver set between 2,200-3,000 RPM. Fit the Hex Nut Setter over the screw and place at the fastening position.
3. Apply consistently firm pressure to the screw driver while the screw is drilling.
4. Care should be taken not to overtighten as sealing washer damage could result.