




PRODUCT DATA

Metal SDS Hex Head Polycarb ALL-IN-1 Roofing Screw

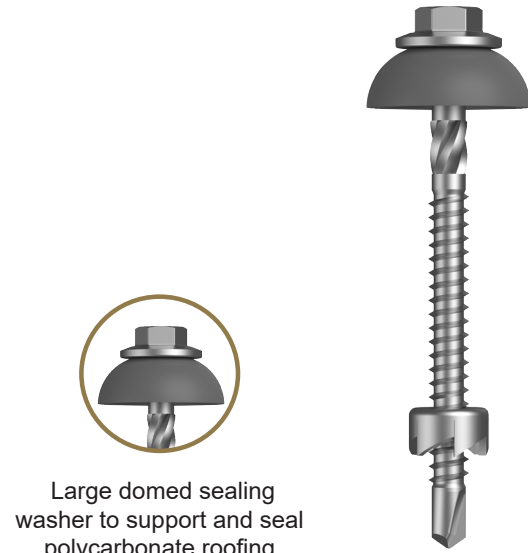
Self Drilling Screw (SDS) #12-14

Applications	
<ul style="list-style-type: none"> Polycarbonate sheet to metal fixing Crest fixing polycarbonate roof sheets Pergolas and sheds 	

Material	 C1022 Hardened
-----------------	--

Finish	 Class 4
---------------	--

Pullout Values				
Plate (Purlin)	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G2	1.1	1650	1400	550
G450	1.9	5000	4650	1850
G450	2.4	6900	6200	2500
G450	3.8	10350	9600	3850



Large domed sealing washer to support and seal polycarbonate roofing



Expansion hole cutter creates a thermal expansion hole in the roofing sheet

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	2.4	24	2200	3.0	4.0

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)
10.9	16450	9900	13800	8300

Note: 1000N = 1kN

¹ Mean Load/Strength: 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: 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) is 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.

Disclaimer: while every reasonable effort has been made to ensure that this document is correct at the time of printing, Hobson Engineering®, its agencies and employees disclaim all liability in respect to anything or the consequences of anything done or omitted regarding the whole or any part of this document.



Bolt Tension | Anti-Vibration | Product Reliability | Traceability

hobson.com.au **QUALITY FASTENERS SINCE 1935**

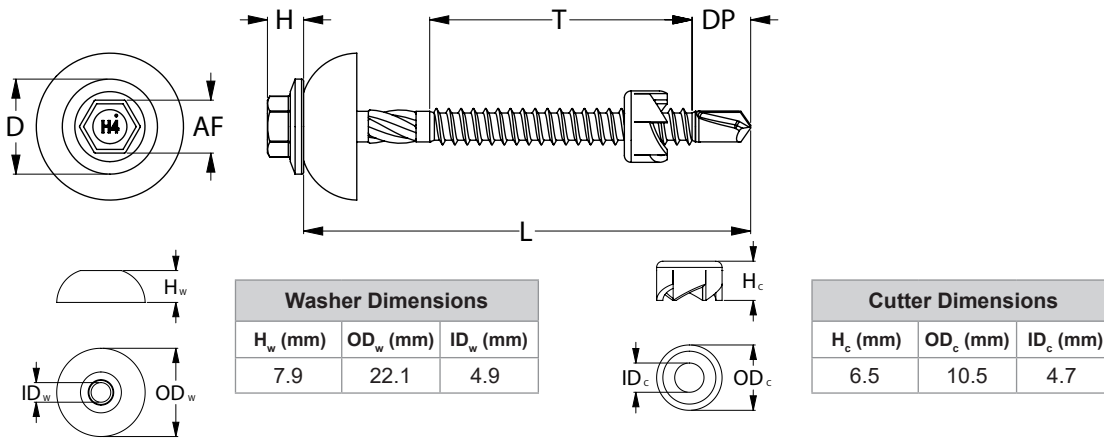




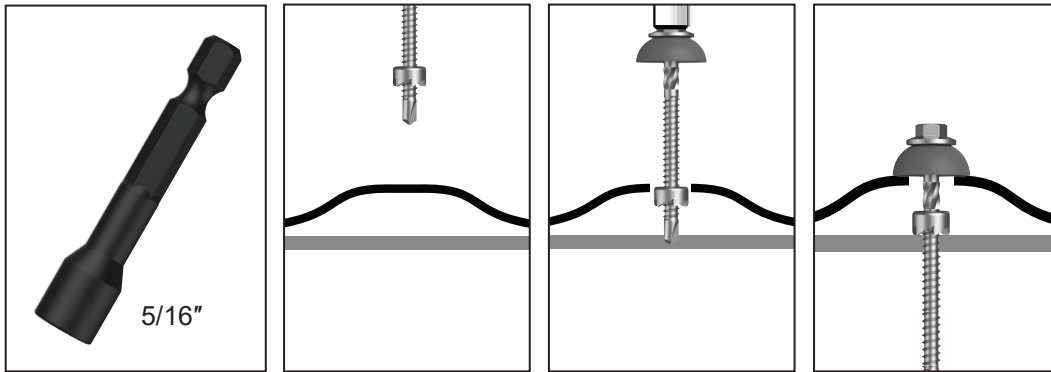
PRODUCT DATA

Metal SDS Hex Head Polycarb ALL-IN-1 Roofing Screw

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)	
T9PM4PA1214060	Q861	12	14	60	35	7.5	5.7	14.3	HEX 5/16"	250



Installation



Recommended
Hobson HEX 5/16 inch Drive Bit

Part	QFind	Length (mm)
TXDIPNSS31045	BA18	45
TXDIPNSS31065	B090	65

*Installation with impact drivers not recommended.

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. Consistently apply firm pressure to the screw driver while drilling.
3. Allow the cutter to cut an expansion hole in the polycarbonate sheet.
4. Tighten until dome washer is in firm contact with the sheet without the latter compressing or deforming.

Disclaimer: while every reasonable effort has been made to ensure that this document is correct at the time of printing, Hobson Engineering®, its agencies and employees disclaim all liability in respect to anything or the consequences of anything done or omitted regarding the whole or any part of this document.

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

hobson.com.au **QUALITY FASTENERS SINCE 1935**

