



PRODUCT DATA

Bi-Metal SDS Wafer Head

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Metal to metal fixing where a low head profile is required

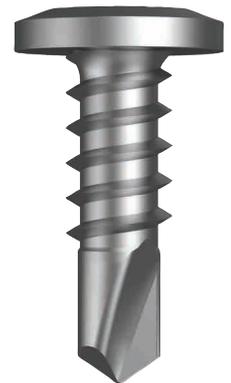
DRILLX®

Applications	
<ul style="list-style-type: none"> Highly corrosive environments Severe marine conditions Stainless/aluminium/fibreglass sheeting 	

Material	 Bi-Metal 316 Stainless
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Finish	 R1500 Hours Protective Coat	
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Bi-FIX™



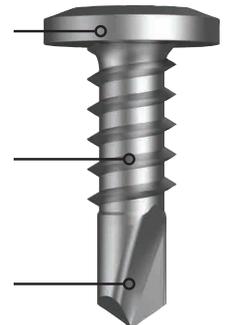
Pullout Values

Plate	Metal Plate Thickness (mm)	¹ Characteristic Strength (N)	² Working Load (N)
G2 Purlin	0.5	840	330
G2 Purlin	1.0	1460	580
G550 Purlin	1.5	2880	1150
G450 Purlin	2.0	3730	1490
G450 Purlin	2.4	5410	2160
G2 Purlin	2.9	5360	2140

A4 Stainless Steel base material

R1500 Hours Protective Coat

Heat treated high carbon steel base material



¹ Characteristic Strength - is the 5% fractile strength which has a 95% probability of being exceeded at a confidence level of 90% (95% of these screws are expected to have a strength greater than this characteristic strength).

² 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 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.

Part	Drill Point Test					Mechanical Properties		
	Plate Type (mm)	Load (kg)	Drill Speed (RPM)	*Drill time (Maximum Individual) Seconds	*Drill time (Maximum Average) Seconds	Torsional Strength (Nm)	Characteristic Shear Strength (N)	Characteristic Tensile Strength (N)
T6MXWQ1016016	1.5 G450	18	2200	4	3	6.9	4510	7520
T6MXWQ1016025								
T6MXWQ1016030								

* Drilling thickness is 4mm max.

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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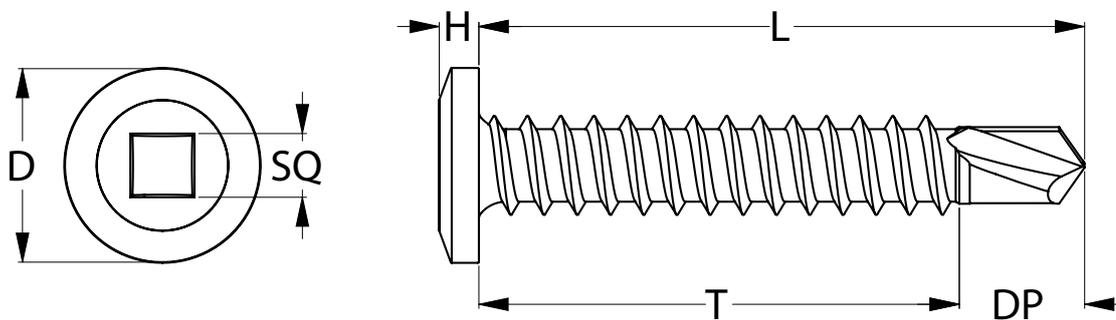


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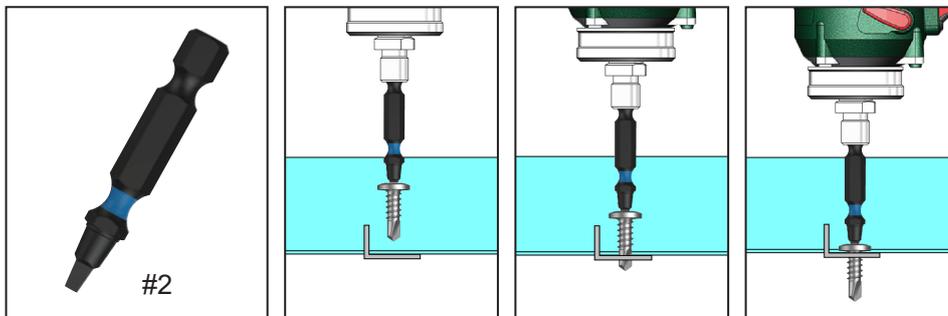
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Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Ø	Head Thickness	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	D (mm)	H (mm)	SQ (size)	
T6MXWQ1016016	QB13	10	16	16	9	6.5	9.2	1.7	Square #2	500
T6MXWQ1016025	QB14			25	18					
T6MXWQ1016030	QB15			30	23					



Installation



Recommended
Hobson® Square #2 Drive Bit:
 TXDIPSQS20050 - 50mm
 TXDIPSQS20100 - 100mm
 TXDIPSQS20150 - 150mm

Installation Guide

1. Use a cordless screw driver set between 2,200-3,000 RPM. Fit the Square 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.

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