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# PRODUCT DATA

**Bi-Metal SDS Pan Head** 

#### Self Drilling Screw (SDS) #08-18 8 Gauge **Applications** Pan Head Metal to metal fixing Ideal for corrosive conditions Cladding metal sheets Signs, fences, and sheds Material **Bi-Metal 304 Stainless** B304 R1000 Hours Finish R10 **Protective Coating Drill Point Test Mechanical Properties** <sup>1</sup>Mean <sup>2</sup>Characteristic Metal Plate Plate Torsional <sup>1</sup>Mean Tensile Load **Drill Speed Drill Time Drill Time** Shear Tensile (Purlin) Thickness Strength Strength Strength Strength (Max. (Max. (mm) (RPM) individual) average) (kg) (Nm) (N) (N) (N) Seconds Seconds G550 1.5 2200 3100 4600 18 45 3 4.7 5150

Note: 1000N = 1kN

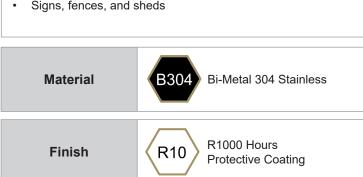
<sup>1</sup>Mean Load/Strength is the average ultimate strength of samples tested.

<sup>2</sup>Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown. <sup>3</sup>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.

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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Bolt Tension | Anti-Vibration | Product Reliability | Traceability



Pullout Values						
Plate (Purlin)	Metal Plate Thickness	<sup>1</sup> Mean Load	<sup>2</sup> Characteristic Load	<sup>3</sup> Working Load		
	(mm)	(N)	(N)	(N)		
G2	0.5	800	700	250		
G2	0.7	850	800	300		
G2	1.2	1450	1250	500		
G550	1.5	3000	2750	1100		
G450	2.0	3950	3550	1400		
G450	2.5	5150	4650	1850		



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<sup>2</sup>Characteristic

Shear Strength

(N)

2750

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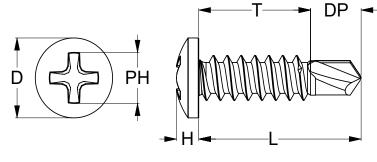


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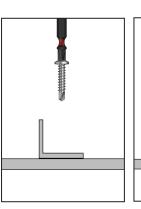
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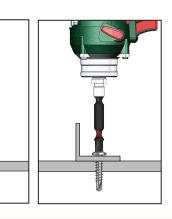
Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	PH	
T4XMXPP0818016	Q926			16	10.5					
T4XMXPP0818019	Q927	8	18	19	13.5	5.5	3.0	8	Phillips #2	500
T4XMXPP0818025	Q928			25	19.5					



### Installation







Recommended
Phillips #2 Drive Bit:

Part	QFind	Length
		(mm)
TXDIPPHS20050	B316	50
TXDIPPHS20075	BA27	75
TXDIPPHS20100	B326	100
TXDIPPHS30050	B321	50

### Installation Guide

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

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