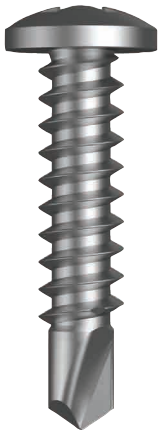
PRODUCT DATA

Bi-Metal SDS Pan Head

Self Drilling Screw (SDS) #08-18

Applications
• Metal to metal fixing • Ideal for corrosive conditions • Cladding metal sheets • Signs, fences, and sheds

8 Gauge Pan Head



Material	B304 Bi-Metal 304 Stainless
Finish	R10 R1000 Hours Protective Coating

Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]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

Drill Point Test

Plate (Purlin)	Metal Plate Thickness	Load	Drill Speed	Drill Time	Drill Time
	(mm)	(kg)	(RPM)	(Max. individual) Seconds	(Max. average) Seconds
G550	1.5	18	2200	4.5	3

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)
4.7	5150	3100	4600	2750

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.

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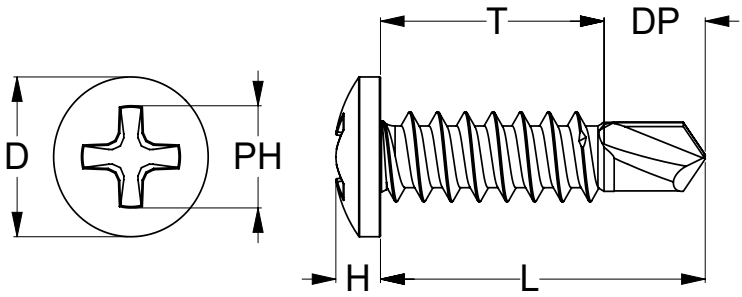
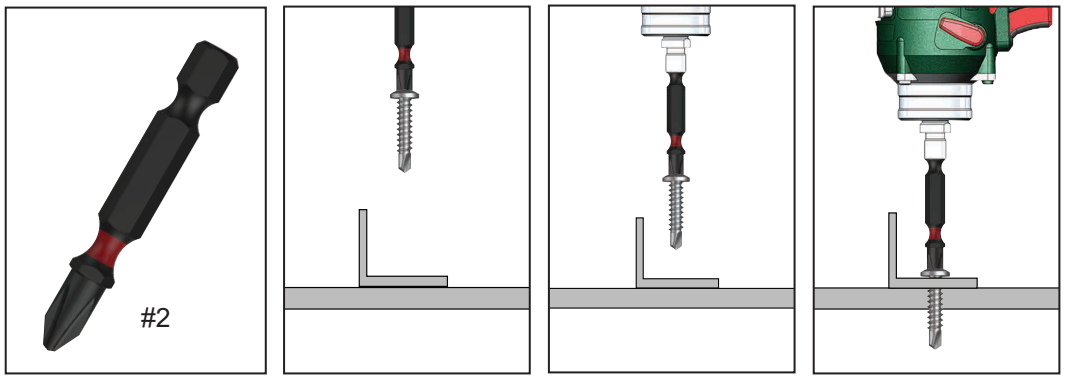
Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	PH	
T4XMXPP0818016	**Q926**	8	18	16	10.5	5.5	3.0	8	Phillips #2	500
T4XMXPP0818019	**Q927**			19	13.5					
T4XMXPP0818025	**Q928**			25	19.5					



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.