T9PM3AP0818

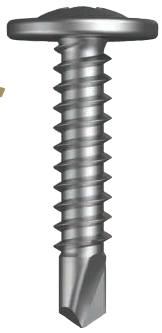
PRODUCT DATA

Metal SDS Button Wafer Head

Self Drilling Screw (SDS) #08-18

Applications
• Backpans • Foil Sarking • Fascia Brackets • Conduit Clips

8 Gauge Button Wafer Head



Material	1022 C1022 Hardened
Finish	CL3 Class 3

Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]Working Load
	(mm)	(N)	(N)	(N)
G2	0.7	950	800	300
G2	1.1	1550	1400	550
G550	1.5	3650	3150	1250
G450	2.0	4800	4150	1650
G450	2.5	6400	5450	2200

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	1.5	18	2200	4	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	8050	4850	6750	4050

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.

DRiLLX®

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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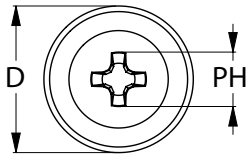
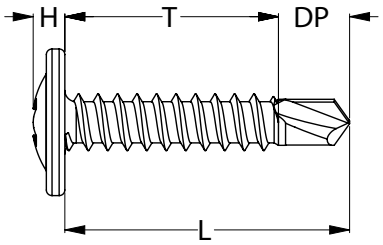
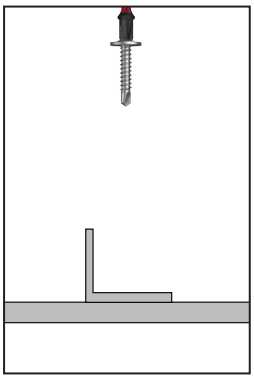
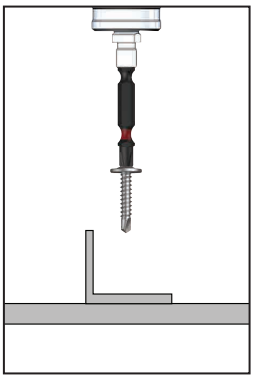
Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	PH	
T9PM3AP0818012	**Q431**	8	18	12	7	5	2.3	10	Phillips #2	1000
T9PM3AP0818016	**Q433**			16	11					
T9PM3AP0818020	**Q435**			20	15					
T9PM3AP0818025	**Q437**			25	20					
T9PM3AP0818032	**Q439**			32	27					

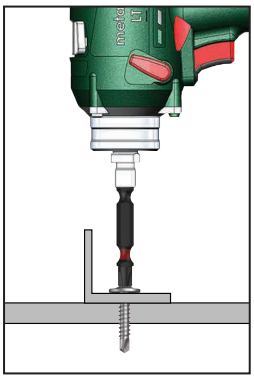




Installation







Recommended
Phillips Size #2 Drive Bit:

Part	QFind	Length
		(mm)
TXDIPPHS20050	B316	50
TXDIPPHS20075	BA27	75
TXDIPPHS20100	B326	100
TXDIPPHS20150	B331	150

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.