




PRODUCT DATA

Metal SDS Countersunk

Self Drilling Screw (SDS) #10-24

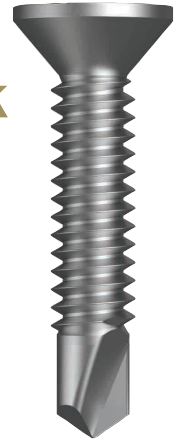
Applications	
•	Metal to metal fixing
•	Sheds
•	Fencing and gates
•	Signage
•	Hinges into metal posts, gates and doors

Material	 C1022 Hardened
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Finish	 Class 3
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Pullout Values				
Plate (Purlin)	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G2	0.7	850	650	250
G2	1.1	1500	1300	500
G550	1.5	3300	3050	1200
G450	2.0	4300	3850	1550
G450	2.5	6400	6000	2400

10 Gauge Countersunk Head



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	2.0	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)
7.3	13250	7950	12400	7450

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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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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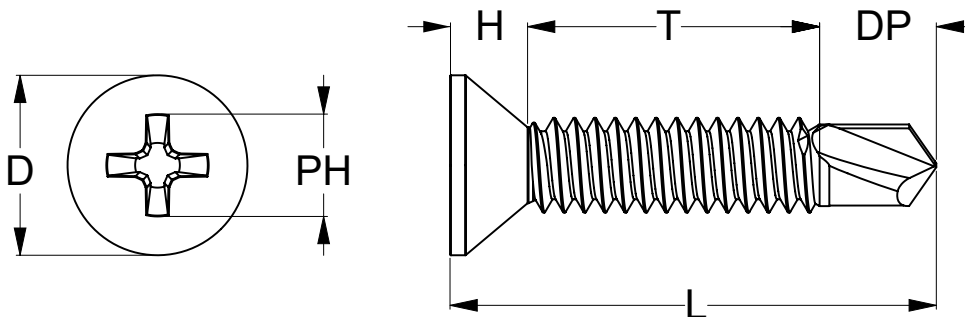




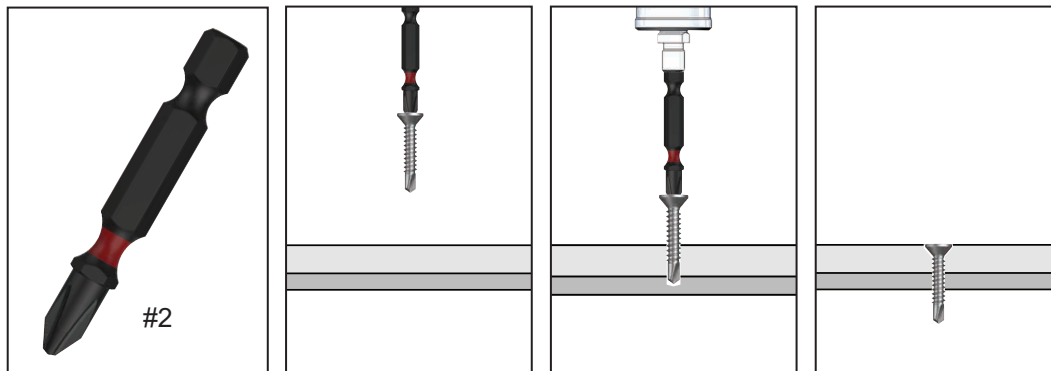
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Part	QFind	Gauge	TPI	Length		Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)					
T9PM3CP1024025	QA06	10	24	25	14	6	4	9	Phillips #2	1000
T9PM3CP1024030	QA07			30	19					
T9PM3CP1024040	QA08			40	29					



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.

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