



PRODUCT DATA

Metal Stitching Screw Flat Head

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Self Drilling Needle Point Screw (SDS) #10-15

Applications

- General fixing lightweight steel
- Sheet metal stitching
- Thin gauge sheet steel
- Low profile head ideal for use in confined areas

Material



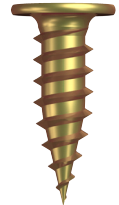
C1022 Hardened

Finish



Zinc Yellow Passivate

10 Gauge Flat Head



Pullout Values

Plate (Purlin)	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G550	0.55	750	600	250

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	0.55	13	2200	1.5	1.0

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)
5.4	9700	5800	8550	5150

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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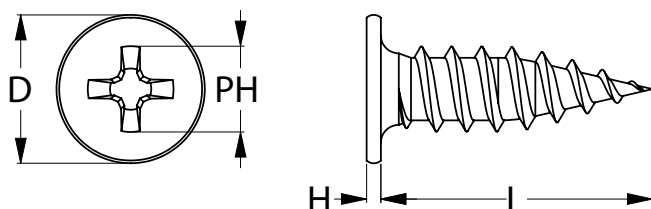


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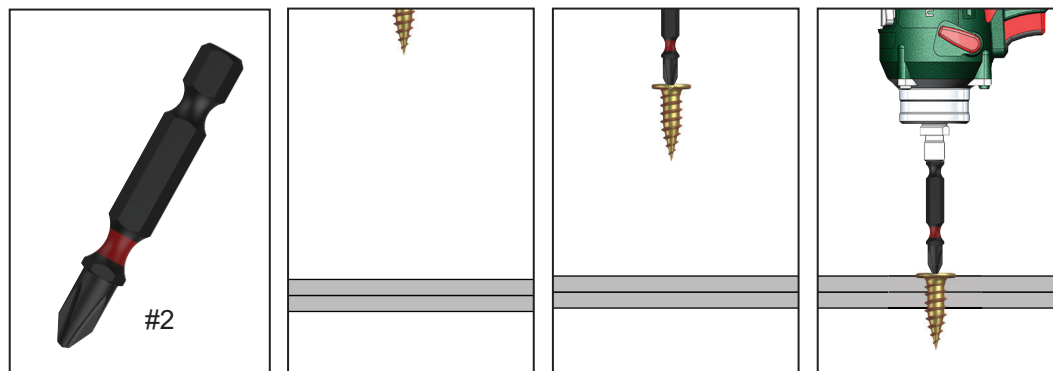
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Part	QFind	Gauge	TPI	Length/ Thread Length	Head ø Height	Head ø	Drive Size	Pack Qty
				L (mm)	H (mm)	D (mm)	PH	
T9PNYLP1015016	Q137	10	15	16	1.0	8.5	Phillips #2	1000



Installation



Recommended Phillips #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 at max 2,500 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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