

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



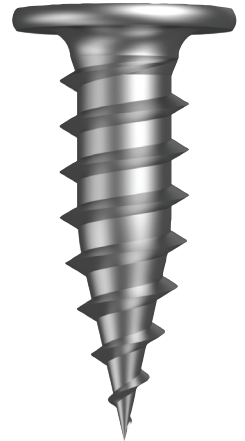
C1022 Hardened

Finish



Class 3

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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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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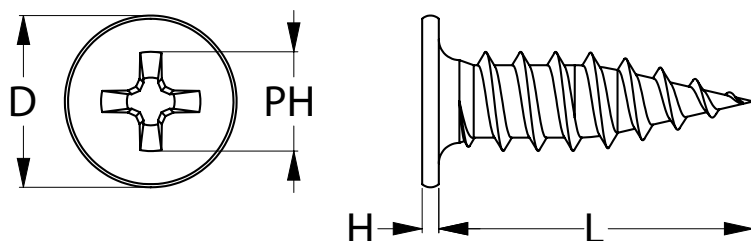


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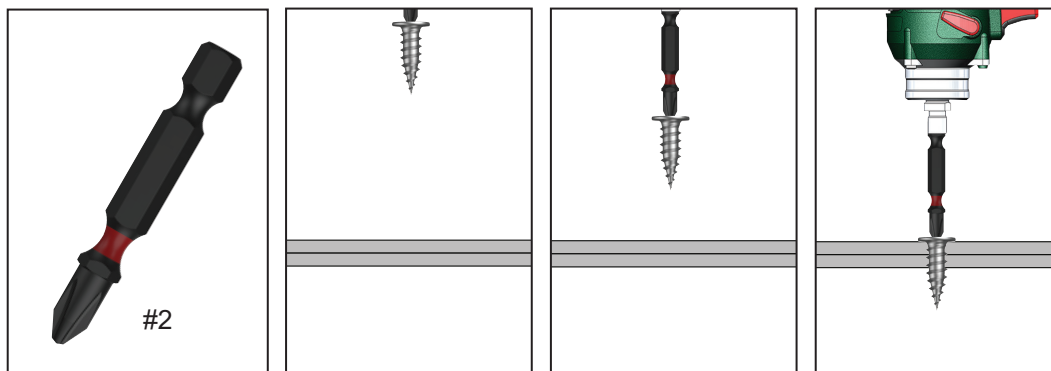
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| Part | QFind | Gauge | TPI | Length/Thread Length | Head Height | Head ø | Drive Size | Pack Qty |
|----------------|-------------|-------|-----|----------------------|-------------|--------|-------------|----------|
| | | | | L (mm) | H (mm) | D (mm) | AF (inch) | |
| T9PN3LP1015016 | Q139 | 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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