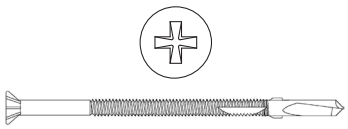
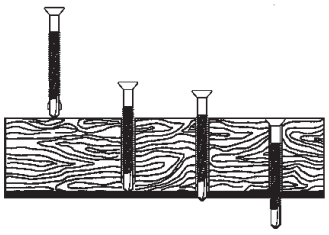
TimberFix® - TFL42 & TFL110

Self drilling TEK screw for timber

#3 Phillips





Applications

- Timber frame erections
- Roofing
- Joists
- Wall plate
- General timber to steel applications

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install Teks. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500
- Adjust the screwgun nosepiece to properly seat the fastener.
- Worn or damaged bit tip should be replaced
- The fastener is fully seated when the head is flush with the work surface
- Overdriving may result in torsional failure of the fastener or stripout of the substrate
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread
- All 5.5mm diameter "Winged" parts must be driven into a minimum of 3.0mm steel in order to break the wings consistently

Teks®, Climaseal® and Spex™ are trademarks of ITW Buildex and Illinois Tool Works, Inc.

TFL, self drilling TEK Screws for fixing timber to steel 4.0mm - 12.0mm

Technical Data for #3 Countersunk Head

SCREW TYPE	Total length	Diameter	Steel Thickness	Timber Thickness	Eurocode
TFL42	42mm	5.5mm	4.0mm - 12.0mm	10mm - 13mm	921300
TFL110*	110mm	5.5mm	4.0mm - 12.0mm	45mm - 75mm	921651

Performance Data

Recommended Tensile Values

Steel Thickness		
4mm	**5mm**	**6mm - 12mm**
2.24kN		4.51kN

Recommended Shear Values

Steel Thickness		
4mm	**5mm**	**6mm - 12mm**
1.95kN	2.1kN	2.43kN

Ultimate Fastener Loads

TENSILE	SHEAR	TIGHTENING TORQUE
13.54kN	7.29kN	≤ 9.0Nm

Typical Performance Parameters

Tufcote® Coating

- Tufcote® is an organic polymer topcoat applied over a zinc alloy base layer and a passivated mid layer.

  The coating is applied through the e-coating method to ensure consistent and uniform application to intricate and irregular forms.

  Three dimensional polymerisation, provides Tufcote® with superior curing compared to conventional e-coating surface treatments.

  The overall thickness of the three layers is 20~25um.

  Tufcote® provides superior protection against both atmospheric and chemical corrosion, including treated timber coatings. Additionally the coating provides superior protection to chipping and abrasion.

  The process has been widely and successfully used in automotive manufacture for a number of years.

- **Corrosion resistance:**

  1. Salt spray test (ASTM B117): 1,000 hrs (less than 10% red dust)
  2. Kesternich Test (DIN 50018, 2.0L): 20 Cycles (less than 10% red dust)

* Please note that this screw has a 12µm zinc coating layer