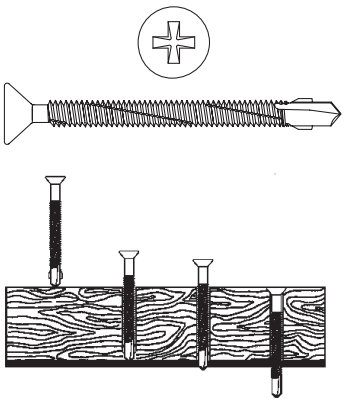
TimberFix® - TFM57 & TFM70

Self drilling TEK screw for timber

#3 Phillips



TFM, self drilling TEK Screws for fixing wood to steel 3.0mm - 6.0mm

Technical Data for #3 Countersunk Head

SCREW TYPE	Total length	Diameter	Steel Thickness	Timber Thickness	Eurocode
TFM57	57mm	5.5mm	3.0mm - 6.0mm	18mm - 34mm	920029
TFM70	70mm	5.5mm	3.0mm - 6.0mm	18mm - 40mm	920030

Performance Data

Recommended Tensile Values

Steel Thickness			
3mm	**4mm**	**5mm**	**6mm**
2.49kN	3.22kN	3.96kN	4.7kN

Recommended Shear Values

Steel Thickness			
3mm	**4mm**	**5mm**	**6mm**
3.00kN	3.00kN	3.00kN	3.00kN

Ultimate Fastener Loads

TENSILE	SHEAR	TIGHTENING TORQUE
14.07kN	9.78kN	≤ 16.5Nm

Typical Performance Parameters

Gray Spex™ Coating

- Gray Spex is a gray organic coating developed to protect the fastener with a tough anti-corrosive coating. The cross linked matrix system provides an excellent mar resistant film. State of the art application methods result in complete and uniform film thickness. Grey Spex is applied in an electro-coating process. Electro-coating provides complete coverage of all exposed surfaces and excellent film thickness uniformity. This water borne coating eliminates the Phillips recess fill problems associated with the traditional dip spinning process.

- **Chemical Identification:** Waterborne organic primer/topcoat
- **Colour**: Gray
- **Cure:** Thermoset
- **Typical Film Properties:**

Humidity Resistance	Excellent
Impact Resistance	Excellent
Mar/Chip resistance	Excellent
Abrasion/Shear Resistance	Excellent

- **Fastener:** Wood to Metal
- **Test Method:** Kesternich, DIN50018, 2.0L
  Salt Spray, ASTM B117 - 300 hrs

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

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