

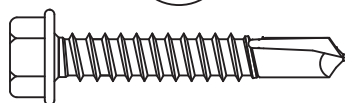


# Teks® - TC13, TC16 & TC19

Self drilling fasteners for general components to steel



## 8mm Hex



### Applications

- Steel framing systems
- Brick Ties
- Bracketry to steel
- Cladding and roofing applications
- Composite panels
- Wind posts
- Composite steel decking
- General metal construction

### 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.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed
- 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

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

## → TC Teks, the original self-drilling self-tapping fastener for fixing into steel section of 0.9mm - 4.0mm

### Technical Data for 8mm Hex Head

SCREW TYPE	Total length	Diameter	Steel Thickness	Maximum Fixture Thickness*	Eurocode
TC13	13mm	4.8mm	0.9mm - 4.0mm	3.8mm	920026
TC16	16mm	4.8mm	0.9mm - 4.0mm	5.0mm	920027
TC19	19mm	4.8mm	0.9mm - 4.0mm	8.0mm	920053

\*Please note - fixture may require pre-drilling in some applications

### Performance Data

#### Recommended Tensile Values

Steel Thickness							
0.9mm	1.2mm	1.5mm	2mm	2.5mm	3mm	3.5mm	4mm
0.44kN	0.73kN	1.04kN	1.42kN	2.18kN	2.18kN	2.18kN	2.18kN

#### Recommended Shear Values

Steel Thickness							
0.9mm	1.2mm	1.5mm	2mm	2.5mm	3mm	3.5mm	4mm
1.07kN	2.13kN	2.26kN	2.3kN	2.3kN	2.3kN	2.3kN	2.3kN

### Ultimate Fastener Loads

TENSILE	SHEAR	TIGHTENING TORQUE
8.6kN	6.22kN	≤ 6.7Nm

### Typical Performance Parameters

#### Climaseal® Coating

→ Climaseal is a high quality metal filled thermoset coating. Climaseal has been uniquely formulated to react and form a complete long life protection to provide the optimum in corrosion resistance properties. Climaseal is self sacrificing to the base substrate if penetrated or damaged. Fasteners coated with Climaseal exhibit excellent resistance most forms of abrasion and torque.

- **Chemical Identification:** Organometallic Polymer
- **Colour:** Silver/Metallic Grey
- **Cure:** Thermoset
- **Typical Film Properties:**
  - Humidity Resistance: Excellent
  - Solvent Resistance: Excellent
  - Impact Resistance: Excellent
  - UV Resistance: Excellent
- **Fastener:** TEKS
- **Base Treatment:** Zinc (non-electrolytically applied)
- **Film:** Climaseal (Thermoset Polyester)
- **Test Method:** Salt Spray, ASTM B117 - 720 hrs  
Kesternich, DIN50018, 2.0L