

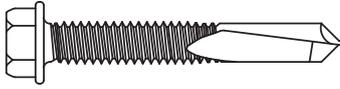


Teks® - TL32, TL38 & TL50

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. (Maximum 1800 RPM is recommended for Teks 5 fasteners)
- 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.

→ TL Teks, the original self-drilling self-tapping fastener for fixing into steel section of 4.0mm - 12.5mm

Technical Data for 8mm Hex Head

SCREW TYPE	Total length	Diameter	Steel Thickness	Maximum Fixture Thickness*	Eurocode
TL32	32mm	5.5mm	4.0mm - 12.5mm	9.5mm	921202
TL38	38mm	5.5mm	4.0mm - 12.5mm	15mm	921203
TL50	50mm	5.5mm	4.0mm - 12.5mm	28mm	920128

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

Performance Data

Recommended Tensile Values

Steel Thickness		
4mm	5mm	6 - 12.5mm
4.4kN	5.4kN	5.8kN

Recommended Shear Values

Steel Thickness		
4mm	5mm	6 - 12.5mm
3.8kN	3.9kN	4.0kN

Ultimate Fastener Loads

TENSILE	SHEAR	TIGHTENING TORQUE
14.1kN	9.7kN	≤ 16.5Nm

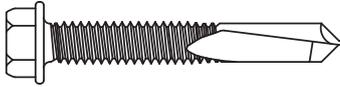
Typical Performance Parameters

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



8mm Hex



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Technical Data for 8mm Hex Head

SCREW TYPE	Total length	Diameter	Steel Thickness	Maximum Fixture Thickness*	Eurocode
TL75	75mm	6.3mm	4.0mm - 12.5mm	54mm	921204

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

Performance Data

Recommended Tensile Values

Steel Thickness		
4mm	5mm	6 - 12.5mm
3.9kN	4.8kN	7.5kN

Recommended Shear Values

Steel Thickness		
4mm	5mm	6 - 12.5mm
3.8kN	3.9kN	4.9kN

Ultimate Fastener Loads

TENSILE	SHEAR	TIGHTENING TORQUE
24.8kN	14.7kN	≤ 25Nm

Typical Performance Parameters

Climaseal® Coating

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Kesternich, DIN50018, 2.0L