

# product datasheet

## SuperTek 8



www.evolutionfasteners.co.uk



<b>Designed for:</b>	Fixing steel to steel
<b>Head Style:</b>	Hexagonal
<b>Drive Bit:</b>	5/16" hexagonal
<b>Drill Point:</b>	Tek 8 spiral point
<b>Thread Form:</b>	Twin, 14 threads per inch intermediate thread, 'V' fluted
<b>Coating:</b>	1,000hr silver Ruspert®
<b>Shank Material:</b>	Carbon steel
<b>Material Grade:</b>	AISI C1022
<b>Effective Thread Length:</b>	32mm
<b>Recommended Drill Speed:</b>	1,500 - 2,500 RPM
<b>Steel Thickness:</b>	4.0mm - 22.0mm

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SuperTek 8 - For Heavy Steel					
Product Code	Size	Box Qty	Carton Qty	Effective Thread length	Drilling Capacity
TSHW6.3-60-8	6.3 x 60mm	100	1,000	32mm	4.0mm - 22.0mm

Ultimate Pull Out Values					
Diameter	Drill Point	In 5.0mm steel	In 6.0mm steel	In 8.0mm steel	In 10.0mm steel
6.3mm	Tek 8	15.54kN	19.28kN	22.59kN	23.39kN

Ultimate Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
6.3mm	1,256 N/mm <sup>2</sup>	12.58kN

Hardness Ratings (Vickers)		
Diameter	Edge Hardness	Core Hardness
6.3mm	545	448

### Ruspert® Coating

Ruspert® is a non-organic, tri-layered ceramic surface coating developed to attain optimum performance in the various pollutive and atmospheric conditions that cause corrosion.

- Layer 1: metallic zinc
- Layer 2: high-grade anti-corrosion chemical conversion film
- Layer 3: baked ceramic top coating

The distinguishing feature of Ruspert® is the tight joining of the baked ceramic top coating and the chemical conversion film thanks to the cross-linking effect. These layers are bonded together with the metallic zinc layer through chemical reactions, and this unique method of combining layers results in a rigid and dense combination of the coating films. Ruspert® treatment does not attribute its anti-corrosion properties to merely a single material, but the synergy of these three layers, which combined have superb rustproof qualities.

Compatible with metal coated and painted surfaces, fasteners coated with Ruspert® are resistant to acid and alkaline attack, galvanic corrosion and hydrogen embrittlement. These fasteners conform to corrosive gas test standard (Kesternich) DIN50018 and give a salt spray fog test to exceed (JISZ2731) 1,000 hours (ASTM B117).

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