

product datasheet

tek screw



www.evolutionfasteners.co.uk



Designed for:	Fixing cladding/roofing applications to hot/cold rolled purlins/rails. Fastening liner panels and general components to steel.
Head Style:	Hexagonal
Drive Bit:	5/16" hexagonal
Thread Form:	Twin, coarse thread (Tek3)/fine thread (Tek 5)
Shank Material:	Carbon steel
Material Grade:	AISI C1022
Coating:	500/1,000hr silver Ruspert® (Please ask for our Ruspert® datasheet for more information).

Evolution Fasteners (UK) Ltd
 Unit 4, Block 16
 Clydesmill Road
 Clydesmill Industrial Estate
 Glasgow
 G32 8RE
 Tel: +44(0)141 646 0055
 Fax: +44(0)141 646 0033
technical@evolutionfasteners.co.uk

Tek 3 Range - For Light Steel

Product Code	Size	Box Qty	Carton Qty	Effective Thread Length	Silver Ruspert® Coating	Drilling Capacity	Recommended Drill Speed	Steel Thickness
TSHW4.8-16-3	4.8 x 16mm	500	10,000	8mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm
TSHW5.5-25-3	5.5 x 25mm	500	5,000	16mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm
TSHW5.5-32-3	5.5 x 32mm	200	4,800	24mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm
TSHW5.5-38-3	5.5 x 38mm	200	2,800	30mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm
TSHW5.5-50-3	5.5 x 50mm	100	2,400	42mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm
TSHW5.5-75-3	5.5 x 75mm	100	2,400	66mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm
TSHW5.5-100-3	5.5 x 100mm	100	1,400	90mm	500hr	1.2 - 3.5mm	2,000 - 3,000 RPM	1.2 - 3.5mm

Tek 5 Range - For Heavy Steel

Product Code	Size	Box Qty	Carton Qty	Effective Thread Length	Silver Ruspert® Coating	Drilling Capacity	Recommended Drill Speed	Steel Thickness
TSHW5.5-32-5	5.5 x 32mm	100	2,400	12mm	500hr	4.0 - 12.5mm	1,500 - 2,500 RPM	4.0 - 12.5mm
TSHW5.5-38-5	5.5 x 38mm	100	3,200	18mm	500hr	4.0 - 12.5mm	1,500 - 2,500 RPM	4.0 - 12.5mm
TSHW5.5-50-5	5.5 x 50mm	100	2,500	30mm	500hr	4.0 - 12.5mm	1,500 - 2,500 RPM	4.0 - 12.5mm
TSHW5.5-75-5	5.5 x 75mm	100	1,400	55mm	500hr	4.0 - 12.5mm	1,500 - 2,500 RPM	4.0 - 12.5mm
TSHW5.5-100-5	5.5 x 100mm	100	1,400	80mm	500hr	4.0 - 12.5mm	1,500 - 2,500 RPM	4.0 - 12.5mm

Ultimate Pull Out Values

Diameter	Drill Point	Steel Thickness							
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm
4.8mm	Tek 3	2.0kN	2.6kN	4.0kN	5.8kN	6.5kN	N/A	N/A	N/A
5.5mm	Tek 3	2.5kN	3.4kN	4.8kN	7.0kN	8.1kN	N/A	N/A	N/A
5.5mm	Tek 5	N/A	N/A	N/A	N/A	N/A	9.5kN	11.2kN	14.1kN

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength	Torque
4.8mm	9.0kN	6.4kN	7.2Nm
5.5mm	14.2kN	9.2kN	10.0Nm

Hardness Ratings (Vickers)

Diameter	Surface Hardness	Core Hardness
4.8mm	590HV	270HV
5.5mm	560HV	270HV

Ask for Evolution



Drywall Screws



Tek Screws



Collated Screws



Masonry Screws



Anchors



Clips & Brackets