

# product datasheet

## composite panel fastener



<b>Designed for:</b>	Fixing cladding/roofing applications to hot/cold rolled purlins/rails. Fastening liner panels and general components to steel.
<b>Head Style:</b>	Hexagonal
<b>Drive Bit:</b>	5/16" Hexagonal
<b>Thread Form:</b>	Twin, coarse thread (Tek 3)/fine thread (Tek 5)
<b>Shank Material:</b>	Carbon steel
<b>Material Grade:</b>	AISI C1022
<b>Coating:</b>	500hr silver Ruspert® (Please ask for our Ruspert® data sheet for more information.)

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### Composite Panel Fastener Range - For Light Steel

Product Code	Size	Box Qty	Carton Qty	Washer Ø	Build Up Range	Recommended Drill Speed	Drill Capacity	Steel Thickness
TSBWHT5.5-60-3	5.5 x 60mm	100	1,400	16mm	23 - 40mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT5.5-80-3	5.5 x 80mm	100	1,400	16mm	23 - 60mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT5.5-105-3	5.5 x 105mm	100	1,200	16mm	55 - 85mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT5.5-135-3	5.5 x 135mm	100	900	16mm	70 - 110mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT5.5-150-3	5.5 x 150mm	100	900	16mm	90 - 125mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-60-3	5.5 x 60mm	100	1,400	19mm	23 - 40mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-80-3	5.5 x 80mm	100	1,400	19mm	23 - 60mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-105-3	5.5 x 105mm	100	1,200	19mm	55 - 85mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-115-3	5.5 x 115mm	100	900	19mm	55 - 95mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-135-3	5.5 x 135mm	100	900	19mm	70 - 110mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-185-3	5.5 x 185mm	50	300	19mm	120 - 160mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm
TSBWHT19-5.5-225-3	5.5 x 225mm	50	300	19mm	160 - 200mm	2,000 - 3,000 RPM	1.2 - 3.5mm	1.2 - 3.5mm

### Composite Panel Fastener Range - For Heavy Steel

Product Code	Size	Box Qty	Carton Qty	Washer Ø	Build Up Range	Recommended Drill Speed	Drill Capacity	Steel Thickness
TSBWHT5.5-85-5	5.5 x 85mm	100	1,400	16mm	35 - 50mm	1,500 - 2,500 RPM	3.5 - 12.5mm	4.0 - 12.5mm
TSBWHT5.5-105-5	5.5 x 105mm	100	1,200	16mm	45 - 70mm	1,500 - 2,500 RPM	3.5 - 12.5mm	4.0 - 12.5mm
TSBWHT5.5-125-5	5.5 x 125mm	100	1,000	16mm	60 - 90mm	1,500 - 2,500 RPM	3.5 - 12.5mm	4.0 - 12.5mm
TSBWHT5.5-150-5	5.5 x 150mm	100	1,000	16mm	80 - 115mm	1,500 - 2,500 RPM	3.5 - 12.5mm	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
5.5mm	Tek 3	2.5kN	3.4kN	4.8kN	7.0kN	8.1kN	9.0kN	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
5.5mm	14.2kN	9.2kN

### Pullover Performance

Diameter	In 0.9mm steel	In 1.2mm steel
5.5mm	5.8kN	7.0kN

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Collated Screws



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