

product datasheet

metal framing tek screw



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Designed for:	Fixing steel to steel.
Drive Bit:	Phillips 3
Thread Form:	Twin, coarse (Tek 3)/fine thread (Tek5)
Coating:	500hr silver Ruspert®
Shank Material:	Carbon steel
Material Grade:	AISI C1022

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Metal Framing Tek Screw Range

Product Code	Size	Box Qty	Carton Qty	Head Style	Drill Point	Drilling Capacity	Effective Thread Length	Recommended Drill Speed	Steel Thickness
TSPH4.8-16-3	4.8 x 16mm	500	12,000	Pancake	Tek 3	1.2mm - 3.5mm	10mm	2,000 - 3,000 RPM	1.2mm - 3.5mm
TSPH5.5-19-3	5.5 x 19mm	200	5,000	Pancake	Tek 3	1.2mm - 3.5mm	14mm	2,000 - 3,000 RPM	1.2mm - 3.5mm
TSPH5.5-25-3	5.5 x 25mm	100	5,000	Pancake	Tek 3	1.2mm - 3.5mm	18mm	2,000 - 3,000 RPM	1.2mm - 3.5mm
TSLP4.8-22-2	4.8 x 22mm	500	8,000	Low Profile Wafer	Tek 2	0.8mm - 3.5mm	15mm	2,000 - 3,000 RPM	0.8mm - 3.5mm
TSLP5.5-38-5	5.5 x 38mm	200	4,800	Low Profile Wafer	Tek 5	3.5mm - 12.5mm	30mm	1,500 - 2,500 RPM	4.0mm - 12.5mm

Ultimate Pull Out Values

Diameter	Drill Point	Thread	Steel Thickness								
			1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm	10.0mm
4.8mm	Tek 3	Coarse	2.0kN	2.6kN	4.0kN	5.8kN	6.5kN	N/A	N/A	N/A	N/A
5.5mm	Tek 3	Fine	2.8kN	3.0kN	4.8kN	6.2kN	7.8kN	N/A	N/A	N/A	N/A
5.5mm	Tek 5	Fine	N/A	N/A	N/A	N/A	N/A	8.9kN	11.2kN	13.1kN	14.2kN

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength	Torque
4.2mm (Coarse thread)	6.8kN	4.4kN	4.4Nm
4.8mm (Coarse thread)	9.0kN	6.4kN	7.2Nm
5.5mm (Fine thread)	14.2kN	9.2kN	10.0Nm

Hardness Ratings (Vickers)

Diameter	Surface Hardness	Core Hardness
4.2mm	550HV	N/A
4.8mm	590HV	N/A
5.5mm	560HV	270HV

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