Evolution Fasteners (UK) Ltd
Units 2A & 2B Clyde Gateway Trade Park
Dalmarnock Road, Rutherglen, Glasgow G73 1AN
Tel: +44 (0)141 647 7100 / Fax: +44 (0)141 647 5100
Email: technical@evolutionfasteners.co.uk

www.evolutionfasteners.co.uk

PRODUCT DATASHEET
METAL FRAMING TEK SCREW

Product Details

Designed for:	*Fixing steel to steel*
Drive bit:	*Phillips 2*
Thread form:	*Twin, coarse thread (Tek 2),(Tek 3)/ fine thread (Tek 5)*
Shank material:	*Carbon steel*
Material grade:	*AISI C1022*
Coating:	*500hr Evoshield®*
Recommended drill speed:	*1500 – 2500 RPM*

CERTIFIED LR ISO 9001

EUROPA CE EN 14566

2008 = 01DW-01/14

RoHS 2002/95/EC

Metal framing tek screw range

Product Code	Size	Drill point	Effective thread length	Drilling Capacity	Head style	Steel thickness
TSPH4.8-16-3	4.8x16mm	Tek 3	10.0mm	1.2 – 3.5mm	Pancake	1.2 – 3.5mm
TSPH5.5-19-3	5.5x19mm	Tek 3	14.0mm	1.2 – 3.5mm	Pancake	1.2 – 3.5mm
TSPH5.5-25-3	5.5x25mm	Tek 3	18.0mm	1.2 – 3.5mm	Pancake	1.2 – 3.5mm
TSLP4.8-22-2	4.8x22mm	Tek 2	15.0mm	0.8 – 2.5mm	Low profile wafer	Up to 2.5mm
TSLP5.5-38-5	5.5x38mm	Tek 5	22.0mm	4.0 – 12.5mm	Low profile wafer	4.0 – 12.5mm

Technical Data

Hardness Rating (Vickers scale)		
Diameter	**Surface Hardness**	**Core Hardness**
4.2mm	600.0HV	450.0HV
4.8mm	590.0HV	440.0HV
5.5mm	600.0HV	450.0HV

Ultimate Mechanical Performance		
Diameter	**Tensile Strength**	**Shear Strength**
4.2mm	7.5kN	5.2kN
4.8mm	8.1kN	6.4kN
5.5mm	11.5kN	10.3kN

Tek 3 range – Unfactored pull out values							
Diameter	**Drill point**	**Steel Thickness**					
		1.2mm	**1.6mm**	**2.0mm**	**2.5mm**	**3.0mm**	**4.0mm**
4.8mm	Tek 3	1.3kN	1.9kN	2.3kN	3.2kN	4.5kN	5.2kN
5.5mm	Tek 3	2.1kN	2.9kN	3.6kN	4.8kN	5.7kN	6.3kN

Tek 5 range – Unfactored pull out values							
Diameter	**Drill point**	**Steel Thickness**					
		4.0mm	**5.0mm**	**6.0mm**	**8.0mm**	**10.0mm**	**12.5mm**
5.5mm	Tek 5	5.8kN	7.1kN	8.8kN	10.7kN	12.9kN	16.3kN

NOTE: The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate unfactored loads. Each specifier or end user should make his/ her own decision on what safety factors to use relevant to their design application (such as BS 5950, EN 1991, etc).

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