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@evofas.com

www.evolutionfasteners.co.uk

PRODUCT DATASHEET

A4 SELF DRILLING INSULATION SCREW

PRODUCT DETAILS

Purpose:	Fixing insulation to light gauge steel or timber substrates. Also suitable where dissimilar metals are being used or superior corrosion resistance is required
Head Style:	Bugle
Reccess Type:	Philips No.2
Thread Form:	Coarse thread
Material Grade:	SAE C1022 Carbon steel – drilling point AISI 316/EN 1.4401 (A4) stainless steel – shank and head
Coating:	5µm electroplated zinc
Recommended Drill Speed:	1500 – 2500RPM®

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions d_{nom} x L_{nom} (mm)	Driling Capacity
A4IS45	4.8 x 45.0mm	0.6-2.0mm
A4IS60	4.8 x 60.0mm	0.6-2.0mm
A4IS80	4.8 x 80.0mm	0.6-2.0mm
A4IS100	4.8 x 100.0mm	0.6-2.0mm
A4IS120	4.8 x 120.0mm	0.6-2.0mm
A4IS140	4.8 x 140.0mm	0.6-2.0mm
A4IS160	4.8 x 160.0mm	0.6-2.0mm
A4IS180	4.8 x 180.0mm	0.6-2.0mm
A4IS200	4.8 x 200.0mm	0.6-2.0mm
A4IS240	4.8 x 240.0mm	0.6-2.0mm
A4IS260	4.8 x 260.0mm	0.6-2.0mm
A4IS300	4.8 x 300.0mm	0.6-2.0mm

TECHNICAL DATA

Ultimate Pull Out Values In Steel(N)

Diameter	Drill Point	Steel Thickness		
		0.6mm	1.2mm	2.0mm
4.8mm	TEK 2	780	2,070	3,710

Ultimate Pull Out Values In Timber(N)

Diameter	Drill Point	Embedment Depth	
		25mm	35mm
4.8mm	TEK 2	1,760	3,830

GENERAL MECHNICAL PERFORMANCE

Diameter	Ultimate tensile capacity, Fult,Rk (N)	Ultimate shear capacity, Vult,Rk (N)
4.8mm	7,900	5,410

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.