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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
Drilling Capacity:	0.6mm-2.0mm
Coating:	5µm electroplated zinc
Recommended Drill Speed:	1500 – 2500RPM®

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions d_{nom} x L_{nom} (mm)	Insulation Capacity (mm)	
		Timber Substrate	Steel Substrate
A4IS45	4.8 x 45.0	5.0 - 10.0	5.0 - 35.0
A4IS60	4.8 x 60.0	5.0 - 25.0	5.0 - 50.0
A4IS80	4.8 x 80.0	25.0 - 45.0	25.0 - 70.0
A4IS100	4.8 x 100.0	45.0 - 65.0	45.0 - 90.0
A4IS120	4.8 x 120.0	65.0 - 85.0	65.0 - 110.0
A4IS140	4.8 x 140.0	65.0 - 105.0	65.0 - 130.0
A4IS160	4.8 x 160.0	85.0 - 125.0	85.0 - 150.0
A4IS180	4.8 x 180.0	105.0 - 145.0	105.0 - 170.0
A4IS200	4.8 x 200.0	125.0 - 165.0	125.0 - 190.0
A4IS220	4.8 x 220.0	145.0 - 185.0	145.0 - 210.0
A4IS240	4.8 x 240.0	165.0 - 205.0	165.0 - 230.0
A4IS260	4.8 x 260.0	185.0 - 225.0	185.0 - 250.0
A4IS280	4.8 x 280.0	205.0 - 245.0	205.0 - 270.0
A4IS300	4.8 x 300.0	225.0 - 265.0	225.0 - 290.0
A4IS360*	4.8 x 360.0	285.0 - 325.0	285.0 - 350.0

*Coming Soon

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

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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, unless stated otherwise, are determined from empirical testing in our UKAS accredited testing laboratory. Use of this document does not dispel nor alleviate designers and users of their statutory obligations pursuant to the Construction (Design and Management) Regulations 2015 or the Building Safety Act 2022. This document is provided, strictly: errors and omissions excepted, subject to change without notice and all rights reserved.