



Image is a real photograph of the actual product described
Illustrated image is representative of the full range.
Please refer to the corresponding drawing file for 1:1 scale replication per SKU

PRODUCT DATASHEET

SELF DRILLING INSULATION SCREW

PRODUCT DETAILS

Purpose:	Fixing insulation to light gauge steel or timber substrates.
Head Style:	Bugle
Recess Type:	Philips No.2
Thread Form:	Coarse thread
Material Grade:	SAE C1022 Carbon steel
Drilling Capacity:	0.6 - 2.0mm
Coating:	500hr EvoShield ® Coating
Recommended Drill Speed:	1500 - 2500RPM®

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions $d_{nom} \times L_{nom}$ (mm)	Insulation Capacity (mm)	
		Timber Substrate	Steel Substrate
IS60	4.8 x 60.0	5.0 - 25.0	5.0 - 45.0
IS80	4.8 x 80.0	25.0 - 45.0	25.0 - 65.0
IS100	4.8 x 100.0	45.0 - 65.0	45.0 - 85.0
IS110	4.8 x 110.0	55.0 - 75.0	55.0 - 95.0
IS120	4.8 x 120.0	65.0 - 85.0	65.0 - 105.0
IS130	4.8 x 130.0	55.0 - 95.0	55.0 - 115.0
IS140	4.8 x 140.0	65.0 - 105.0	65.0 - 125.0
IS150	4.8 x 150.0	75.0 - 115.0	75.0 - 135.0
IS160	4.8 x 160.0	85.0 - 125.0	85.0 - 145.0
IS170	4.8 x 170.0	95.0 - 135.0	95.0 - 155.0
IS180	4.8 x 180.0	105.0 - 145.0	105.0 - 165.0
IS190	4.8 x 190.0	115.0 - 155.0	115.0 - 175.0
IS200	4.8 x 200.0	125.0 - 165.0	125.0 - 185.0
IS220	4.8 x 220.0	145.0 - 185.0	145.0 - 205.0
IS240	4.8 x 240.0	165.0 - 205.0	165.0 - 225.0
IS260	4.8 x 260.0	185.0 - 225.0	185.0 - 245.0
IS280	4.8 x 280.0	205.0 - 245.0	205.0 - 265.0
IS300	4.8 x 300.0	225.0 - 265.0	225.0 - 285.0

TECHNICAL DATA

Ultimate Pull Out Values In Steel(N)				
Diameter	Drill Point	Steel Thickness		
		0.6mm	1.2mm	2.0mm
4.8mm	TEK 2	850	2,250	4,380

Ultimate Pull Out Values In Timber(N)			
Diameter	Drill Point	Embedment Depth	
		25mm	35mm
4.8mm	TEK 2	1,900	4,000

GENERAL MECHANICAL PERFORMANCE

Diameter	Ultimate tensile capacity, F _{ult} ,R _k (N)	Ultimate shear capacity, V _{ult} ,R _k (N)
4.8mm	11,200	7,700

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.
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