



PRODUCT DATASHEET

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
Recess Type:	Philips No.2
Thread Form:	Coarse thread
Material Grade:	SAE C1022 Carbon steel
Coating:	500hr EvoShield® Coating
Recommended Drill Speed:	1500 - 2500RPM®

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions $d_{nom} \times L_{nom}$ (mm)	Drilling Capacity
IS60	4.8 x 60.0mm	0.6-2.5mm
IS80	4.8 x 80.0mm	0.6-2.5mm
IS100	4.8 x 100.0mm	0.6-2.5mm
IS110	4.8 x 110.0mm	0.6-2.5mm
IS120	4.8 x 120.0mm	0.6-2.5mm
IS130	4.8 x 130.0mm	0.6-2.5mm
IS140	4.8 x 140.0mm	0.6-2.5mm
IS150	4.8 x 150.0mm	0.6-2.5mm
IS160	4.8 x 160.0mm	0.6-2.5mm
IS170	4.8 x 170.0mm	0.6-2.5mm
IS180	4.8 x 180.0mm	0.6-2.5mm
IS190	4.8 x 190.0mm	0.6-2.5mm
IS200	4.8 x 200.0mm	0.6-2.5mm
IS220	4.8 x 220.0mm	0.6-2.5mm
IS240	4.8 x 240.0mm	0.6-2.5mm
IS260	4.8 x 260.0mm	0.6-2.5mm
IS280	4.8 x 280.0mm	0.6-2.5mm
IS300	4.8 x 300.0mm	0.6-2.5mm

TECHNICAL DATA

Ultimate Pull Out Values In Steel(N)				
Diameter	Drill Point	Steel Thickness		
		0.6mm	1.2mm	2.5mm
4.8mm	TEK 2	850	2,250	5,380

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 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.
©Evolution Fasteners UK Ltd, 2021.