



# PRODUCT DATASHEET

## SELF DRILLING INSULATION SCREW

### PRODUCT DETAILS

<b>Purpose:</b>	Fixing insulation to light gauge steel or timber substrates. Also suitable where dissimilar metals are being used or superior corrosion resistance is required
<b>Head Style:</b>	Bugle
<b>Recess Type:</b>	Philips No.2
<b>Thread Form:</b>	Coarse thread
<b>Material Grade:</b>	SAE C1022 Carbon steel
<b>Coating:</b>	500hr EvoShield® Coating
<b>Recommended Drill Speed:</b>	1500 - 2500RPM®

### GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions $d_{nom} \times L_{nom}$ (mm)	Drilling Capacity
IS60	4.8 x 60.0mm	0.6-2.0mm
IS80	4.8 x 80.0mm	0.6-2.0mm
IS100	4.8 x 100.0mm	0.6-2.0mm
IS110	4.8 x 110.0mm	0.6-2.0mm
IS120	4.8 x 120.0mm	0.6-2.0mm
IS130	4.8 x 130.0mm	0.6-2.0mm
IS140	4.8 x 140.0mm	0.6-2.0mm
IS150	4.8 x 150.0mm	0.6-2.0mm
IS160	4.8 x 160.0mm	0.6-2.0mm
IS170	4.8 x 170.0mm	0.6-2.0mm
IS180	4.8 x 180.0mm	0.6-2.0mm
IS190	4.8 x 190.0mm	0.6-2.0mm
IS200	4.8 x 200.0mm	0.6-2.0mm
IS220	4.8 x 220.0mm	0.6-2.0mm
IS240	4.8 x 240.0mm	0.6-2.0mm
IS260	4.8 x 260.0mm	0.6-2.0mm
IS280	4.8 x 280.0mm	0.6-2.0mm
IS300	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	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, Fult,Rk (N)	Ultimate shear capacity, Vult,Rk (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.  
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