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# PRODUCT DATASHEET

## LONG LENGTH SELF DRILLING INSULATION SCREWS

### Product Details

Designed for: *Fixing rigid insulation boards to metal framing in conjunction with insulation retaining washer system. Can also be used with other washer systems.*

Head Style: *Bugle*

Recess Type: *Phillips No. 2*

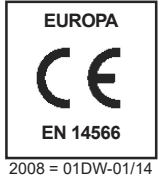
Thread Type: *Intermediate proprietary self tapping thread*

Material: *Carbon Steel (C1022 grade)*

Coating: *EvoShield 500HR*

Point type: *Custom reduced self drilling*

'CE MARKED' *In accordance with EN 14566 and Eur. Reg. No. 305/ 2011*



### Long Length Self Drilling Insulation Screws

### Technical Data

Product Code	Size
IS60	4.8mm x 60mm
IS80	4.8mm x 80mm
IS100	4.8mm x 100mm
IS110	4.8mm x 110mm
IS120	4.8mm x 120mm
IS130	4.8mm x 130mm
IS140	4.8mm x 140mm
IS150	4.8mm x 150mm
IS160	4.8mm x 160mm
IS170	4.8mm x 170mm
IS180	4.8mm x 180mm
IS190	4.8mm x 190mm
IS200	4.8mm x 200mm
IS220	4.8mm x 220mm
IS240	4.8mm x 240mm
IS260	4.8mm x 260mm
IS280	4.8mm x 280mm
IS300	4.8mm x 300mm

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
4.8mm	611.7HV	492.0HV

Ultimate Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
4.8mm	11.23kN	7.7kN

Ultimate pull out values				
Diameter	Drill point	Steel Thickness		
		0.6mm	1.2mm	2.5mm
4.8mm	Tek 2	0.85kN	2.25kN	5.38kN

Ultimate pull out values (C16 grade timber)			
Diameter	Drill point	Embedment depth	
		25.0mm	35.0mm
4.8mm	Tek 2	1.90kN	4.00kN

**NOTE:** The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate unfactored loads. Each specifier or end user should make his/her own decision on what safety factors to use relevant to their design application (such as BS 5950, EN 1991, etc).

Errors and Omissions Excepted.

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