

PRODUCT DATASHEET

A2 Stitching Screw



Product Details

Designed for:	To be used as stand-offs or floating fixing points on the aluminium substructures used in rear-ventilated façade systems. Also, for the fastening of pre-drilled stainless-steel (or aluminium) brackets (such as wall brackets, helping-hand brackets, etc) to supporting sections or sheets of aluminium.
Head style and drive:	Flanged hexagonal male socket (5/16" drive)
Thread Form:	Coarse thread (pitch = 1.81mm approx.)
Drill Point:	TEK® 3
Drilling Capacity:	0.7-3.0mm
Material Grade:	EN 1.4301, AISI 304, A2 Stainless Steel
Coating:	None
Recommended Drill Speed:	< 1,500 RPM

A2 Bi-Metal Stitching Screw range - Products for use in light gauge aluminium substrates

SKU	Nominal Dimensions $d_{nom} \times L_{nom}$ (mm)	Effective Thread Length, L_{thread} (mm)
SSHW5.5-19-3	5.5 x 19.0mm	9mm (5mm is un-threaded to allow stand-off of fixture)

Characteristic Withdrawal Resistance¹, N_{Rk} , from Aluminium 1050-H14 Grade

Characteristic Withdrawal Values					
Diameter	Aluminium Thickness - Grade 1050-H14				
	0.7mm	1.0mm	1.2mm	2.0mm	3.0mm
5.5mm	320 N	460 N	550 N	920 N	1,390 N

Ultimate Mechanical Properties

Property	Magnitude
Tensile Capacity, (F_{ult}, R_k)	10,600 N
Shear Capacity, (V_{ult}, R_k)	6,700 N

NOTE: The results expressed in this document are determined from empirical testing, unless stated otherwise. 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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¹Derived from calculations