



PRODUCT DATASHEET

A4 STAINLESS STEEL MULTI-FIX SCREW

PRODUCT DETAILS

Purpose:	Fixing timber battens, trunking, track and general components into concrete, masonry and timber
Head style:	5/16" (8mm) hexagonal (male) socket w/ flange
Material Grade:	Thread and Head - AISI 316/ A4, Drilling Point - SAE C1018 / C1022 (Hardened)
Coating:	$\geq 5\mu\text{m}$ Electroplated Zinc (Passivated)
Point:	Type 17
Pilot Hole Diameter:	6.5mm

GENERAL PHYSICAL CHARACTERISTICS

Product Code	Size	Drill Point
A4HH8.0-40-GP	8.0mm x 40mm	Gash Point
A4HH8.0-60-GP	8.0mm x 60mm	Gash Point
A4HH8.0-80-GP	8.0mm x 80mm	Gash Point
A4HH8.0-100-GP	8.0mm x 100mm	Gash Point
A4HH8.0-120-GP	8.0mm x 120mm	Gash Point
A4HH8.0-275-GP	8.0mm x 275mm	Gash Point
A4HH8.0-300-GP	8.0mm x 300mm	Gash Point
A4HH8.0-350-GP	8.0mm x 350mm	Gash Point

CHARACTERISTIC MECHANICAL PROPERTIES

Property	Magnitude
Tensile Capacity, (F_{ult}, R_k)	32,100 N
Shear Capacity, (V_{ult}, R_k)	20,100 N
Torsional Capacity, (τ_{ult}, R_k)	>25Nm

TECHNICAL DATA

Characteristic pull out loading from steel

Steel substrate (S275 JR mild steel)

Major diameter	Steel thickness
8.0mm	0.6mm
Force	1,300 N

Characteristic pull out loading from timber

Major diameter	Timber grade	Embedment depth	Load
8.0mm	C16	35.0mm	4,500 N
		45.0mm	5,000 N

Characteristic Withdrawal Resistance (Concrete and Masonry Substrates)

Embedment Depth (mm)	C35 Concrete (35N/mm ²)
35.0	6,400 N
45.0	8,400 N

Concrete and masonry setting information

Substrate type	Category	Data
All	Nominal embedment depth	35.0mm
Non cracked concrete (>30N/mm ²)	Minimum base material thickness Minimum screw spacing Minimum edge distance	100.0mm 55.0mm 55.0mm
Cracked concrete (>30N/mm ²)	Minimum base thickness Minimum screw spacing Minimum edge distance	100.0mm 40.0mm 55.0mm

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-assumptive, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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