

M5.4-12.5 UNDERCUT VORTEX FIBRE CEMENT CLASS 3

ARMA
PLATE
CLASS
3

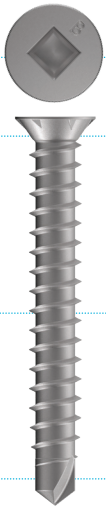
APPLICATION

Bremick® M5.4-12.5 undercut Vortex Fibre Cement Screws are designed for fixing compressed and non-compressed fibre cement to timber and metal.

The self-embedding head aggressively removes material for a flush finish.



PRODUCT ATTRIBUTES



Square Recess No 2 Drive Positive bit engagement allowing for maximum torque to be applied.

Undercut Head For a secure flush finish.

Finish High corrosion performance of Bremick® Class 3 coating in accordance with ISO 9223-2012 and AS4312:2019 to suit the application.

Vortex® Point Suitable for drilling into timber and thin metal while ensuring maximum pullout strength.

DRILLING & INSTALLATION CAPACITY

Base Materials:

- Timber (JD3 min).
- Metal Battens G550 (0.75mm min).
- Steel Purlins G450 (1.5mm max).
- Fibre Cement 20mm - (10mm max sheet thickness), 30mm - (20mm max sheet thickness) .

When fastening to timber, ensure a minimum thread embedment of 15mm. When fastening metal, ensure 3 threads minimum embedment, protrude below battens / purlins.

INSTALLATION INSTRUCTIONS

1. Use a Bremick® Square Recess No. 2 Drive.
2. Insert drive bit into power tool and select low speed setting.
3. Place tip of screw at fastening point apply firm pressure, drive until the head is flush. Do NOT overdrive.

Note: when fastening close to edge and at corners, drive screw slowly 500-1000rpm to reduce the risk of damaging the board.

M5.4-12.5 UNDERCUT VORTEX FIBRE CEMENT CLASS 3

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
M5.4-12.5	6.5	11.4	8.6

PULL OUT VALUES

Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450
M5.4-12.5	2.9	3.9	4.5	5.0

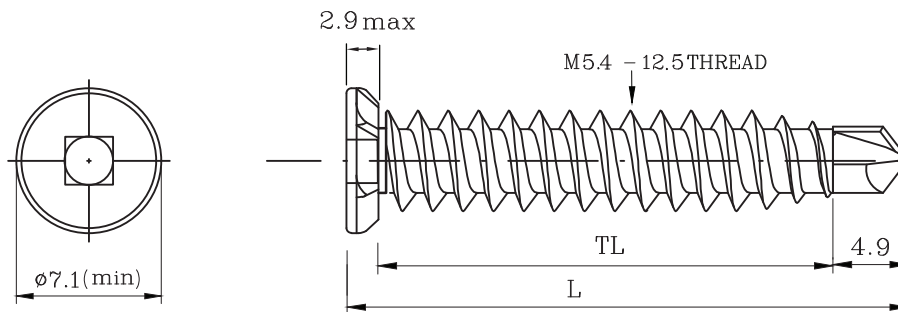
Mean Ultimate Pull Out Force kN – Metal Battens

SIZE	0.42mm BMT G550	0.55mm BMT G550	0.75mm BMT G550	1.0mm BMT G550
M5.4-12.5	1.0	1.2	2.0	3.0

Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine)

SIZE	20mm Embedment
M5.4-12.5	4.3

Note: The above data represents characteristic capabilities obtained under laboratory conditions and are only applicable to Bremick products. The design professional must apply appropriate safety factors.



RANGE

Product Code	Description	Head Driver	Pack Qty (EA)	Finish	Length L (mm)	Thread Length TL (mm)
SURC3500202	SDMT 5.4-12.5x20 U/CUT	Square Recess No. 2	1000	CLASS 3	20	11.5
SURC3500302	SDMT 5.4-12.5x30 U/CUT	Square Recess No. 2	1000	CLASS 3	30	21.5
SURC3500308	SDMT 5.4-12.5x30 U/CUT	Square Recess No. 2	100	CLASS 3	30	21.5

Whilst every care was taken in the preparation of this publication, Bremick® accepts no responsibility for the accuracy of the information supplied. Bremick® reserves the right to make alterations to specifications as part of ongoing development and improvement. This publication serves as a guide and it's the responsibility of the end user to ensure suitability for their application.

The contents of this publication are the exclusive copyright of Bremick® and may not be reproduced without permission.

BREMICK®

Bremick Pty Ltd

Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170

www.bremick.com.au