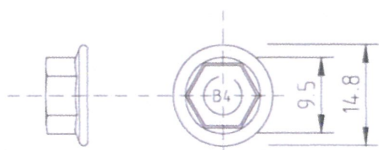


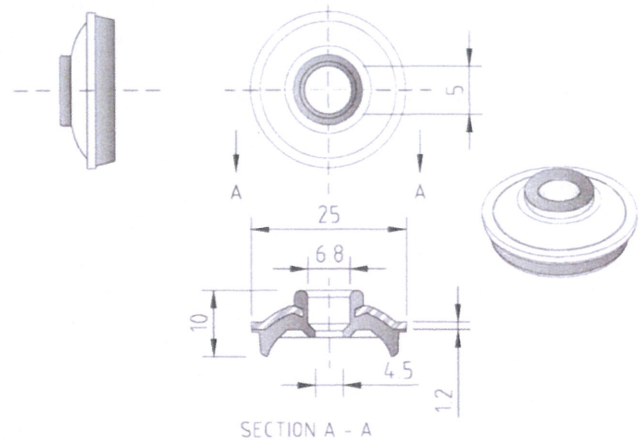
CYCLONE ASSEMBLY COMPONENTS
Comprising of self drilling screw & one piece cyclone washer

VORTEX CYCLONE UNIVERSAL SCREW

FOR METAL BATTENS, TIMBER BATTENS & STEEL PURLINS
M6.2-13 x 55, 65 & 95mm
(HEAD MARKING B4V & B4)



BREMICK BRA - CYCLONE WASHER / SEAL
ONE PIECE ALUMINIUM / EPDM CYCLONE WASHER



All dimensions mm (nominal)

Testing was undertaken at the James Cook University Cyclone Testing Station. Tested and approved in accordance with the requirements of AS/NZS 1170.2 : 2011 - Structural design actions - Wind actions and NCC 2016 Vol.I Specification B.1.2 and NCC 2016 Vol. II Section 3.10.1.

Test Certificate Numbers

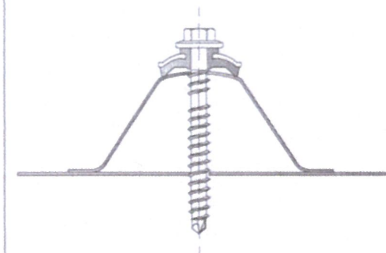
JCU Cyclone Testing Station Report No.'s TS 1037 & TS 1038

FASTENING:
STRAMIT CORRUGATED
0.42mm BMT G550 min.



FASTENING TO:
STEEL PURLINS
1.5mm BMT min. G450 min.
METAL BATTENS
0.75mm BMT min. G550 min.
TIMBER BATTENS
JD3 min.

FASTENING:
STRAMIT MONOCLAD
0.42mm BMT G550 min.

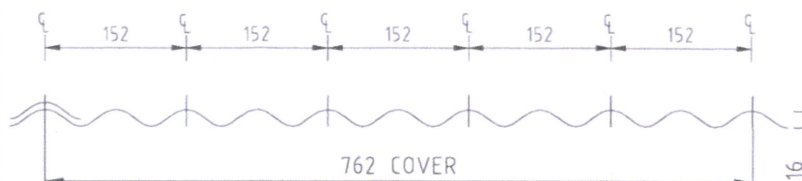


FASTENING TO:
STEEL PURLINS
1.5mm BMT min. G450 min.
METAL BATTENS
0.75mm BMT min. G550 min.

CORRUGATED ROOFING PROFILE - STRAMIT CORRUGATED

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (152mm Centres)
Spans Tested : 900mm End, 1150mm Intermediate, 900mm End

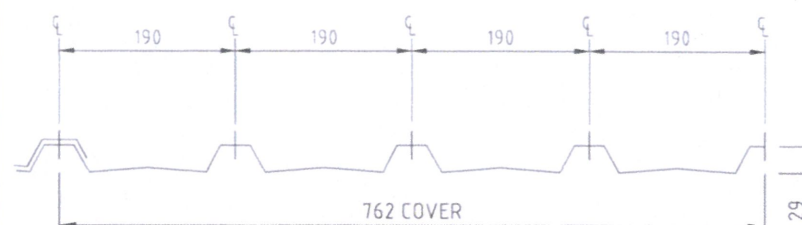


Supports	Crest Fixing	Side Lap Fixing
Steel Purlins G450 1.5mm BMT min.	Bremick Vortex™ Cyclone M6.2-13x55 - BRA	Bremick Vortex™ Stitch M6.5-13x20 (900mm Centres min.)
Metal Battens 0.75mm BMT min.		
Timber JD3 min.	M6.2-13x65 - BRA	

SQUARE RIB ROOFING PROFILES - STRAMIT MONOCLAD

FASTENER SPACINGS

Crest Fastener Locations : Each Rib (190mm Centres)
Spans Tested : 1200mm End, 1500mm Intermediate, 1200mm End



Supports	Crest Fixing	Side Lap Fixing
Steel Purlins G450 1.5mm BMT min.	Bremick Vortex™ Cyclone M6.2-13x55 - BRA	Bremick Vortex™ Stitch M6.5-13x20 (900mm Centres min.)
Metal Battens 0.75mm BMT min.		

Product Name

Vortex™ Cyclone - Cyclone Assembly

Product Description: Roofing Fasteners
M6.2-13x55 & 65 - BRA - Cyclone Assembly
With Stramit Profiles

Manufacturer's Name: **BREMICK Pty Ltd**
F1, 62 Maddox Street
Alexandria NSW 2015
Ph: 02 8332 1501
Email: sales@bremick.com.au

Design Criteria

Fastener & support spacing to be controlled such that the maximum design loading per fastener or maximum design pressures do not exceed:

Table 1 : Strength Limit State Design Loads per Fastener

Roofing Profile	Test Load (kN)	C.O.V. (K _t)	Design Load (kN)
Corrugated	1.05	1.46	0.72
Monoclad	1.30	1.46	0.89

Table 2 : Strength Limit State Design Pressures

Roofing Profile	Test Pressure (kPa)	C.O.V. (K _t)	Design Capacity (kPa)
Corrugated	6.02	1.46	4.12
Monoclad	4.54	1.46	3.11

Limitations

This sheet confirms the structural adequacy of the roof sheeting assembly (sheeting, screw and washer) when correctly installed and does not extend to the capacity of the batten/purlin. Refer to the sheeting & batten manufacturers data for maximum support spacings.

Strength limit state fastener loads have been derived from the test pressures using simplified static analysis with the uniform pressure (load) distribution.

The fastener is only applicable for use with Stramit cladding products with the conditions in this data sheet.

Accepted for Inclusion

DTCM ref: M/817/01

Chairman's Signature:

Chairman's Name:

STEVEN J FURLICH

Date of Approval: 11/05/2017 Expiry Date: 11/05/2022

****Design Engineers Certification**

Name: **RACHAEL ZEINER**
Rego Number: **NPER 11734**
Date: **6/2/2017**
Signature: **Rzeiner**

**registered as a structural engineer in Australia

****Certifying Engineers Certification**

Name: **TREVOR JOHN**
NT Rego Number: **12178 ES**
Date: **23/2/17**
Signature: **TJohn**

**registered as a structural engineer in Northern Territory