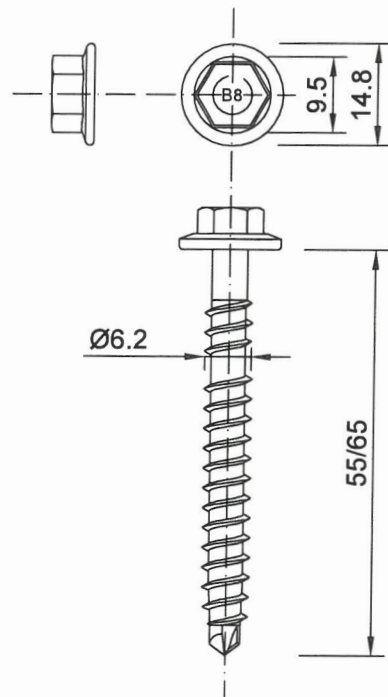


CYCLONE ASSEMBLY COMPONENTS

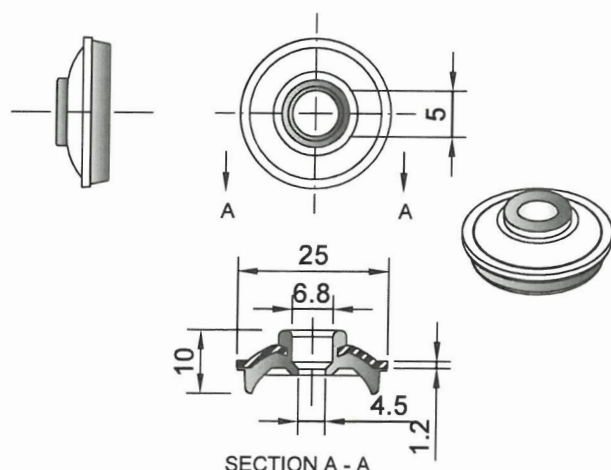
Comprising of self drilling screw & one piece cyclone washer

VORTEX CYCLONE UNIVERSAL SCREW
FOR METAL BATTENS, TIMBER BATTENS & STEEL PURLINS
M6.2-13 x 55mm
(HEAD MARKING B8, B8V)
All dimensions in mm (nominal)

Screws are Class 4 in accordance with AS3566

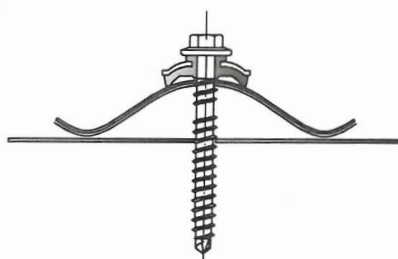


BREMICK BRA - CYCLONE WASHER / SEAL
ONE PIECE ALUMINIUM / EPDM CYCLONE WASHER



FASTENING:

STEELINE CORRUGATED 762
0.42mm BMT G550 min.

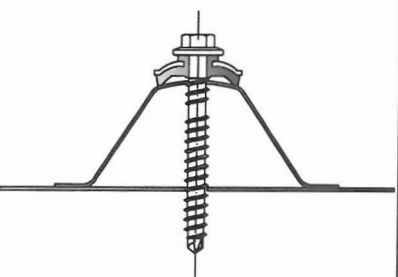


FASTENING TO:

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

FASTENING:

STEELINE STEEL CLAD 762
0.42mm BMT G550 min.

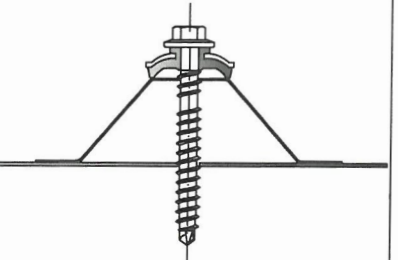


FASTENING TO:

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

FASTENING:

STEELINE STEEL SPAN 700
0.42mm BMT G550 min.



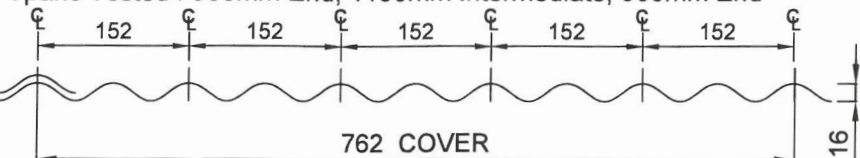
FASTENING TO:

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

CORRUGATED ROOFING PROFILE - STEELINE CORRUGATED 762

FASTENER SPACINGS

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



Supports

Steel Purlins G450
1.5mm BMT min.

Metal Battens
0.75mm BMT min.

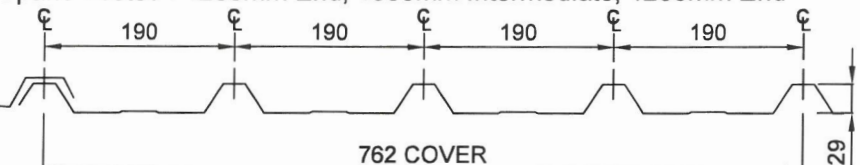
Crest Fixing

Bremick
Vortex™ Cyclone
M6.2-13x55 BRA

SQUARE RIB ROOFING PROFILES - STEELINE STEEL CLAD 762

FASTENER SPACINGS

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



Supports

Steel Purlins G450
1.5mm BMT min.

Metal Battens
0.75mm BMT min.

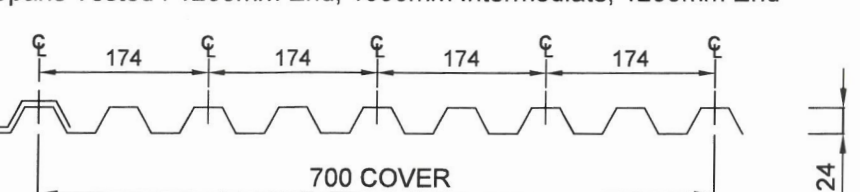
Crest Fixing

Bremick
Vortex™ Cyclone
M6.2-13x55 BRA

SQUARE RIB ROOFING PROFILES - STEELINE STEEL SPAN 700

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (174mm Centres)
Spans Tested : 1200mm End, 1500mm Intermediate, 1200mm End



Supports

Steel Purlins G450
1.5mm BMT min.

Crest Fixing

Bremick
Vortex™ Cyclone
M6.2-13x55 BRA

Product Name

VORTEX™ CYCLONE - CYCLONE ASSEMBLY

Product Description: Roofing Fasteners

M 6.2-13 x 55/65 - BRA - Cyclone Assembly
with Steeline Profiles

Manufacturer's Details:

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 _s)	Design Load (kN)
Corrugated	0.94	1.46	0.64
Steel Clad	1.17	1.46	0.80
Steel Span	1.02	1.48	0.70

Table 2 : Strength Limit State Design Pressures

Roofing Profile	Test Pressure (kPa)	C.O.V. (K _s)	Design Capacity (kPa)
Corrugated	6.02	1.46	4.12
Steel Clad	4.54	1.46	3.11
Steel Span	4.31	1.46	2.95

Limitations

- 1.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. Axial withdrawal capacity for each fastener exceeds the 3.1kN requirements of AS3566.1: 2002 - Self-drilling screws for building and construction industries - General requirements and mechanical properties. Strength limit state fastener loads have been derived from the test pressures using simplified static analysis with the uniform pressure (load) distribution.
- 2.Capacity of assembly pullover may be less than sheeting span capacity. Adjust sheeting spans accordingly.
- 3.The fastener is only applicable for use with Steeline cladding products with the conditions in this data sheet.

Accepted for Inclusion in Deemed to Comply Manual

DTCM drawing number: M/432/01-01

Chairperson Signature: *Elisha Harris*

Chairperson Name: Elisha Harris

Date of Approval: 06/11/2025 Expiry Date: 06/11/2030

Test Certificates

EngTest Report C120908-3, Test 3 Low-High-Low Cyclonic Testing of 0.42mm BMT G550 Corrugated Sheeting with Vortex Cyclone M6.2-13x55 Screws and BRA 25x1.2mm Washers, 13 December 2012
EngTest Report C120908-4, Test 4 Low-High-Low Cyclonic Testing of 0.42mm BMT G550 Corrugated Sheeting with Vortex Cyclone M6.2-13x55 Screws and BRA 25x1.2mm Washers, 13 December 2012
EngTest Report C120908-8, Test 8 Low-High-Low Cyclonic Testing of 0.42mm BMT G550 Corrugated Sheeting with Vortex Cyclone M6.2-13x55 Screws and BRA 25x1.2mm Washers, 13 December 2012

Checking Engineer

Name: *LEO NOICOS*
Registration Number: *70762*
Date: *18/2025*
Signature: *[Signature]*
Must be an Australian registered structural engineer.

Certifying Engineer

Name: *RACHAEL ZEUNER*
NT Registration Number: *309710 ES*
Date: *18/2025*
Signature: *[Signature]*
Must be a registered structural engineer in the Northern Territory