

CYCLONE ASSEMBLY COMPONENTS

Comprising of self drilling screw & one piece cyclone washer

TYPE 17 WITH BRA WASHER CYCLONE ASSEMBLY

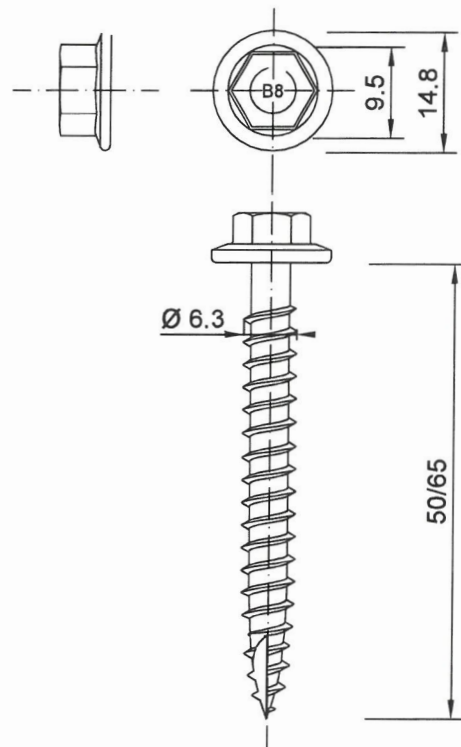
FOR METAL BATTENS & TIMBER BATTENS

14-10 x 50/65mm

(HEAD MARKING B8 & B8V)

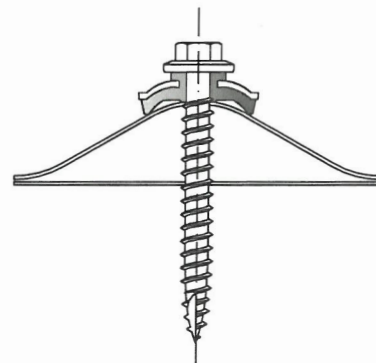
All dimensions mm (nominal)

Screws are Class 4 in accordance with AS3566



FASTENING:

METROLL CORODEK
0.42mm BMT G550 min.



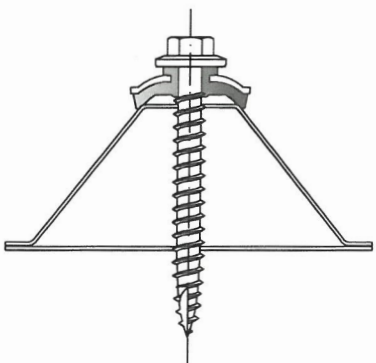
FASTENING TO:

METAL BATTENS
0.75mm BMT min. G550 min.

TIMBER BATTENS
MGP 10

FASTENING:

METROLL TRIMCLAD
0.42mm BMT G550 min.



FASTENING TO:

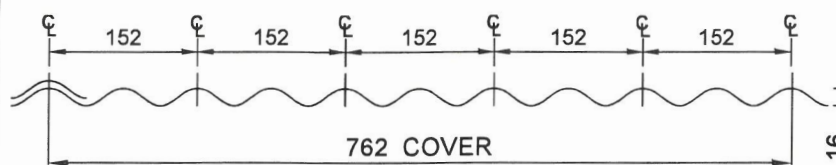
METAL BATTENS
0.75mm BMT min. G550 min.

TIMBER BATTENS
MGP 10

CORRUGATED ROOFING PROFILE

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (152mm Centres)



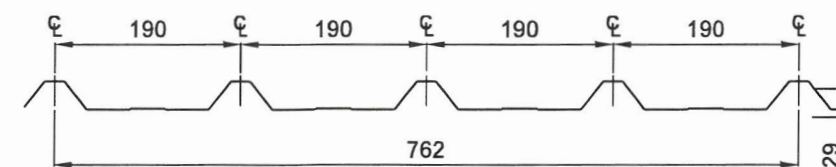
METROLL CORODEK ROOF CLADDING - ULTIMATE LIMIT STATE DESIGN PRESSURES (kPa)

Span Type	Maximum Design Pressure (kPa) for Span L (mm)					
	600	750	900	1200	1500	1800
Internal	5.98	4.64	3.75	2.63	2.04	1.65
Equal	5.29	4.07	3.31	2.40	1.85	1.60
Double	4.23	3.26	2.65	1.92	1.48	1.20

SQUARE RIB ROOFING PROFILES

FASTENER SPACINGS

Crest Fastener Locations : Each Rib (190mm Centres)



METROLL TRIMCLAD ROOF CLADDING - ULTIMATE LIMIT STATE DESIGN PRESSURES (kPa)

Span Type	Maximum Design Pressure (kPa) for Span L (mm)					
	600	900	1200	1500	1800	2100
Internal	5.49	3.29	2.19	1.75	1.46	1.25
Equal	4.75	2.83	2.00	1.59	1.33	1.14
Double	3.80	2.27	1.60	1.28	1.06	0.91

Product Name

Type 17 BRA Cyclone Assembly

Product Description: Roofing Fasteners

T17 14-10 x 50/65 - BRA Cyclone Assembly
with Metroll Profiles

Manufacturer's Details:

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

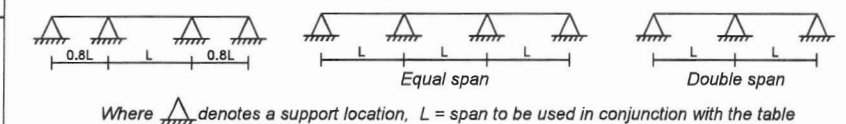
Design Criteria

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. (%)	Design Load (kN)
Corodek	0.73	1.38	0.53
Trimdek	0.83	1.38	0.60

Description of span types in tables refer to the following support and geometry configurations:



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. 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.

Notes to tables:

- Italic denotes spans that exceed foot traffic limitations
- Maximum Corodek spans to suit foot traffic are 1350mm
- Maximum Trimclad spans to suit foot traffic are 1350mm

Accepted for Inclusion in Deemed to Comply Manual

DTCM drawing number: M/393/01

Chairperson Signature: *Elisha Harris*

Chairperson Name: Elisha Harris

Date of Approval: 04/09/2025 Expiry Date: 04/09/2030

Test Certificates

JCU Cyclone Testing Station Report TS1069 Cyclic Simulated Wind Load Strength Testing of Roofing Screw and 25mm BRA Washer Assemblies for Roofing Applications, 26th June 2017

Checking Engineer

Name: LEO NOIKOS

Registration Number: 70762

Date: 11/8/2025

Signature: *Leo Noikos*

Must be an Australian registered structural engineer.

Certifying Engineer

Name: RACHAEL ZEINER

NT Registration Number: 309710ES

Date: 11/8/2025

Signature: *Rachael Zeiner*

Must be a registered structural engineer in the Northern Territory