CYCLONE ASSEMBLY COMPONENTS

Comprising of self drilling screw & one piece cyclone washer

TYPE 17 SCREW WITH REGION D CYCLONE PLATE

FOR METAL BATTENS & TIMBER BATTENS
14g -10x65mm
(HEAD MARKING B8, B8V)
All dimensions in mm (nominal)

Screws are Class 4 in accordance with AS3566

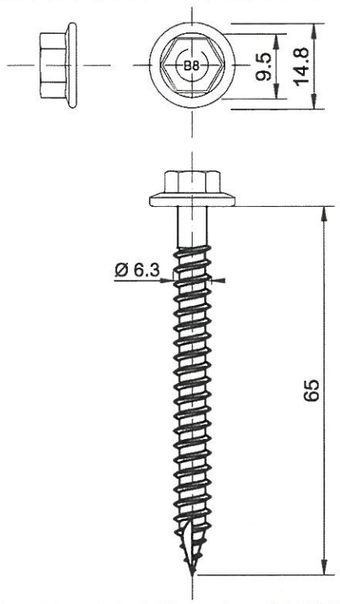
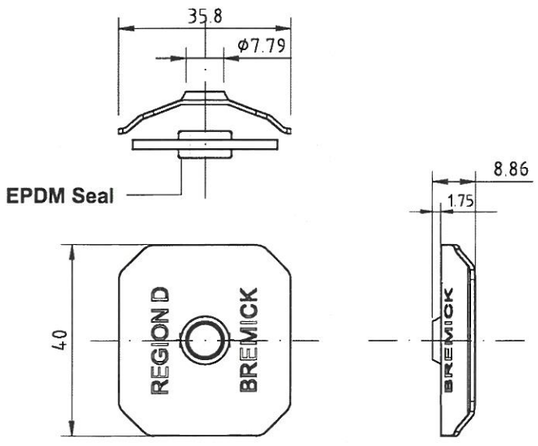
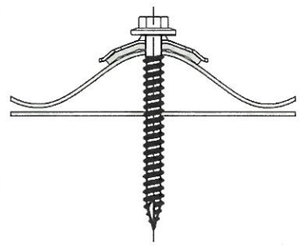


Plate Material: 1.00mm bmt G300/AZ150 Steel
(Suitable for Use in ISO 9223 Category 5 Environments)



FASTENING:
STEELINE CORRUGATED 762
0.42mm BMT G550 min.

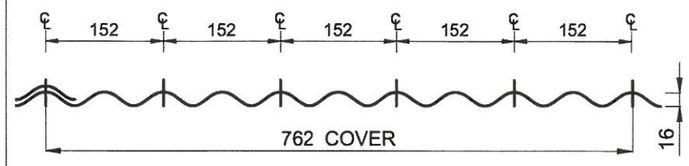


FASTENING TO:
METAL BATTENS
0.75mm BMT min.
G550 min.
TIMBER BATTENS
MGP12 min.

CORRUGATED ROOFING PROFILE - STEELINE CORRUGATED 762

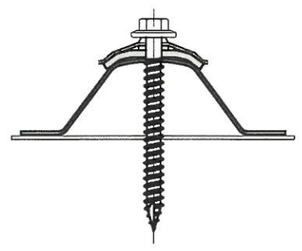
FASTENER SPACINGS

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



Supports	Crest Fixing
Metal Battens 0.75mm BMT min. G550 min.	Bremick Type 17 14-10x65 Region D Cyclone Plate Assembly
Timber MGP12 min.	

FASTENING:
STEELINE STEEL SPAN 700
0.42mm BMT G550 min.

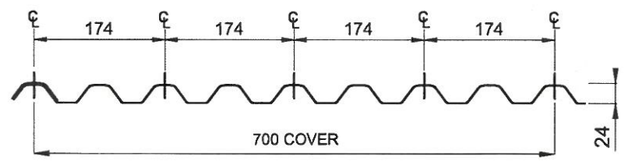


FASTENING TO:
METAL BATTENS
0.75mm BMT min.
G550 min.
TIMBER BATTENS
MGP12 min.

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	Crest Fixing
Metal Battens 0.75mm BMT min. G550 min.	Bremick Type 17 14-10x65 Region D Cyclone Plate Assembly
Timber MGP12 min.	

Notes covering basis of DTC(Relevant test reports etc.)

JCU Cyclone Testing Station Report TS1367 Cyclic Simulated Wind Load Testing of Bremick Roofing Screw Assemblies Installed into Steeline Roof Cladding Profiles, 3 December 2024.

Checking Engineer
Name: Leo Noicos
Registration Number: 70762
Date: 1/8/2025
Signature:
Must be an Australian registered structural engineer.

Certifying Engineer
Name: Rachael Zeuner
NT Registration Number: 309710ES
Date: 1/8/2025
Signature:
Must be a registered structural engineer in the Northern Territory

Product Name

T17 REGION D CYCLONIC PLATE ASSEMBLY

Product Description : Roofing Fasteners
T17 14-10 x 65 - Region D Cyclone Plate 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_t)	Design Load (kN)
Corrugated 762	1.67	1.38	1.21
Steel Span 700	1.75	1.21	1.44

Table 2 : Strength Limit State Design Pressures

Roofing Profile	Test Pressure (kPa)	C.O.V. (K_t)	Design Capacity (kPa)
Corrugated 762	7.40	1.38	5.36
Steel Span 700	6.75	1.21	5.54

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/399/01-01

Chairperson Signature:

Chairperson Name: Elisha Harris

Date of Approval: 27/10/2025 Expiry Date: 27/10/2030