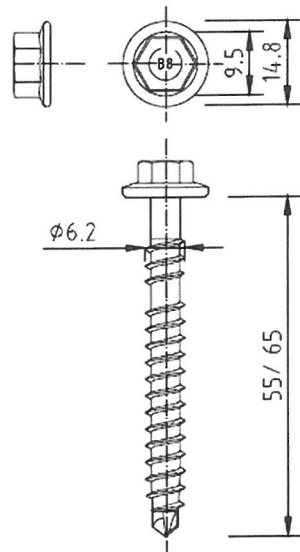
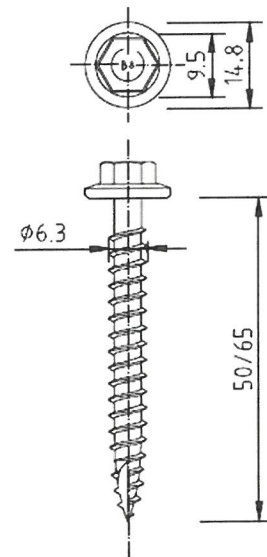


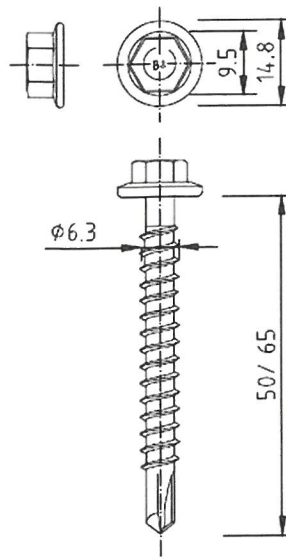
**VORTEX UNIVERSAL SCREW FOR METAL & TIMBER + REGION D CYCLONE ASSEMBLY**  
 FOR METAL BATTENS, TIMBER BATTENS & STEEL PURLINS  
 M6.2-13 x 55 & 65mm  
 (HEAD MARKING B8 & B8V)  
 All dimensions in mm (nominal)



**TYPE 17 SCREW FOR TIMBER + REGION D CYCLONE ASSEMBLY**  
 FOR METAL BATTENS & TIMBER BATTENS  
 14g -10x50/65mm  
 (HEAD MARKING B8 & B8V)  
 All dimensions in mm (nominal)



**SELF DRILLING SCREW FOR METAL + REGION D CYCLONE ASSEMBLY**  
 FOR SELF DRILLING INTO STEEL PURLINS  
 14-10x50/65mm  
 (HEAD MARKING B8 & B8V)  
 All dimensions in mm (nominal)

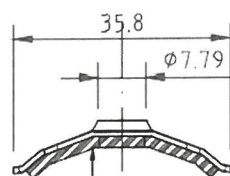


**Product Name**  
 REGION D CYCLONE PLATE  
 (Also Suitable in Region C)

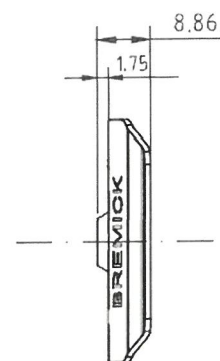
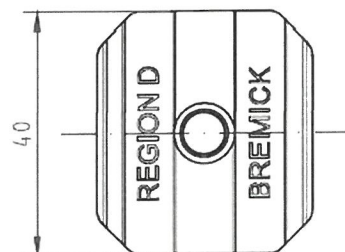
**Product Description: Roofing Fasteners**  
 Region D Cyclone Plate for Corrugated and Square Roofing Profiles

**Manufacturer's Name: BREMICK Pty Ltd**  
 88 Dalmeny Avenue  
 Rosebery NSW 2018  
 Ph: 02 8332 1520  
 Email: sales@bremick.com.au

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



EPDM Seal



**Design Criteria**  
 Fastener & support spacing to be controlled such that the maximum design loading per fastener does not exceed that detailed in Table 1.

**Limitations**  
 These sheets confirm 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.

**Table 1: Region D Cyclone Plate Design Capacity**

Fastener	Sheet Type	Sheet Gauge (mm)	Support	Screw Pitch (mm)	Maximum Cladding Span (mm)	Design Capacity		
						Pressure (kPa)	Pull Out (kN)	
SDM 14-10 x 55 Hex	Rib/pan	0.42	1.5mm steel purlin	190	900	7.24	1.36	
		0.48				7.97	1.50	
Type 17 14-10 x 65		0.42	MGP 10			7.24	1.36	
		0.48				7.97	1.50	
Vortex 6.2mm x 65		0.42/0.48	0.75mm steel batten				5.42	1.02
SDM 14-10 x 55 Hex	Corrugated	0.42	1.5mm steel purlin	152			7.75	1.46
		0.48				7.75	1.46	
Type 17 14-10 x 50		0.42	MGP 10			7.75	1.46	
		0.48			7.75	1.46		
Vortex 6.2mm x 55		0.42/0.48	0.75mm steel batten			5.42	0.82	

**Accepted for Inclusion**

DTCM ref: **M/185/01**

**Test Certificates**

Cyclone Testing Station James Cook University Report No. TS1177, Cyclic Simulated Wind Load Strength Testing of Roofing Screw and Plate Assemblies for Roofing Applications, 11 June 2020

**\*Design Engineers Certification**

Name: **LEO NOIKOS**  
 Registration Number: **70762**  
 Date: **20.06.2022**  
 Signature: *[Signature]*  
 \*registered as a structural engineer in Australia

**\*Certifying Engineers Certification**

Name: **RACHAEL ZEUNER**  
 NT Registration Number: **309710ES**  
 Date: **20.6.2022**  
 Signature: *[Signature]*  
 \*\*registered as a structural engineer in the Northern Territory

**Chairman's Signature:** *[Signature]*

**Chairman's Name:** Paul Nowland

**Date of Approval:** 20/06/2022    **Expiry Date:** 20/06/2027