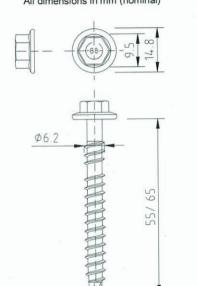
NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code (NCC) Volume 2

This product has been determined to satisfy NCC Performance Requirement H1P1 for structural resistance of materials and forms of construction in high wind areas

VORTEX CYCLONE UNIVERSAL SCREW

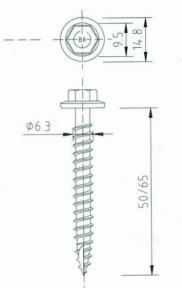
FOR METAL BATTENS, TIMBER BATTENS & STEEL PURLINS

M6.2-13 x 55 & 65mm (HEAD MARKING B8 & B8V) All dimensions in mm (nominal)



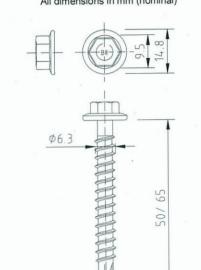
TYPE 17 WITH BRA WASHER CYCLONE ASSEMBLY

FOR METAL BATTENS & TIMBER BATTENS 14g -10x50/65mm (HEAD MARKING B8 & B8V) All dimensions in mm (nominal)



METAL DRILLING SCREW WITH BRA WASHER

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 ASSEMBLY (Also Suitable in Region C)

Product Description: Roofing Fasteners

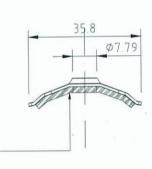
Region D Cyclone Plate for Corrugated and Square Roofing Profiles

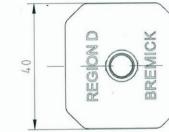
Manufacturer's Name: BREMICK Pty Ltd

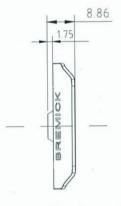
88 Dalmeny Avenue Rosebery NSW 2018

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

Table 1: Region D Cyclone Plate Assembly Design Capacity

Fastener	Sheet Type	Sheet Gauge (mm)	Support	Screw Pitch (mm)	Maximum Cladding Span (mm)	Design Capacity	
						Pressure (kPa)	Pull Out (kN)
	Rib/pan	0.42	1.5mm steel purlin	190	900	7.24	1.36
SDM 14-10 x 55 Hex		0.48				9.09	1.71
Type 17 14-10 x 65		0.42	MGP 10			9.05	1.71
		0.48				10.1	1.90
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 65		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

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.

Accepted for Inclusion in Deemed to Comply Manual

DTCM drawing number: M/425//01-01

Chairperson Signature:

*Certifying Engineers Certification

Name: Rachael Zeuner NT Registration Number: 309710ES

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 Noicos Registration Number: 70762

1/8/2025 Date: Signature:

Chairperson Name: Elisha Harris

Expiry Date: 09/10/2030 Date of Approval: 09/10/2025