

BREMICK® vortex® POLY CUT®

FOR POLYCARBONATE
TIMBER & METAL

**FINE TOOTH
HOLE SAW**
Proudly Designed &
Engineered by Bremick®

SAVES
UP TO
50%
INSTALLATION TIME

Drills, cuts, seals and finishes **ALL IN ONE ACTION**

Universal Roofing Screw for fastening the crest of polycarbonate roof sheeting to metal up to 1.5mm thick or timber.

One Step fastening of corrugated and square rib sheeting. eg. Corrugated, Greca & 5 Rib.

- Suitable for use with 16 – 29mm rib heights.
- B8 Extreme Corrosion Protection for Category 5* environments *ISO 9223.
- Available in 50mm and 65mm lengths.
- Fully covered by the Bremick Performance Warranty.

Design Registered

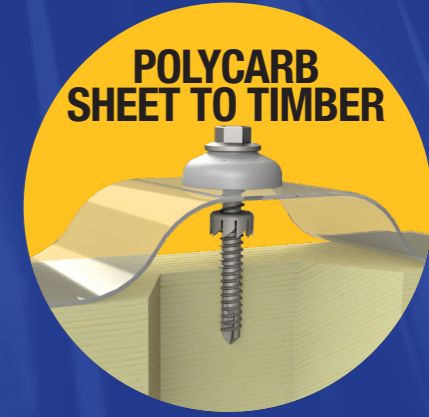
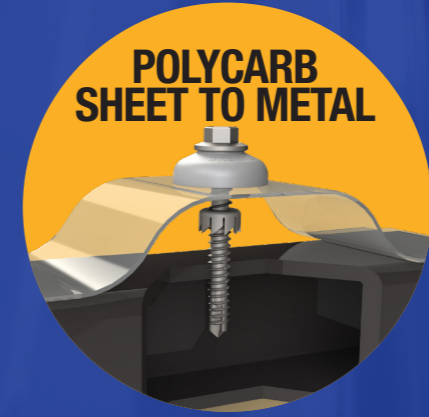
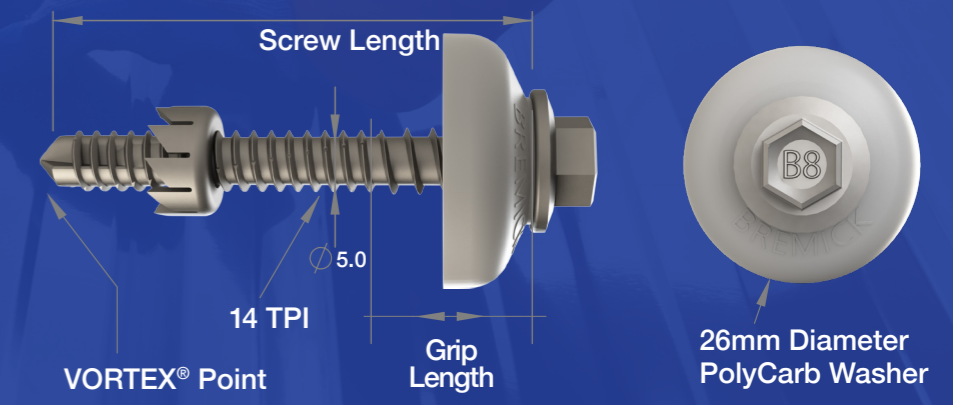
Sharp fine tooth hole saw cuts cleanly & efficiently into polycarbonate sheeting

vortex POLY CUT[®]



Features:

- Fine tooth hole saw cutter
- 14 threads per inch
- For fixing to timber or metal up to 1.5mm
- No pre-drilling required
- No special tools needed
- Automatically centres expansion hole allowing the sheet to expand and contract



BREMICK[®]

Range and Data

Profiles



Product Description	Pack QTY	Product Code	Hex Driver	Screw Length	Grip Length (Min)	Shank Diameter (mm)	Threads per Inch	Single Shear (KN)	Axial Tensile (KN)	Torsional (Nm)	Maximum Drilling Capacity	Expansion Hole Diameter (Min)
B8 M6.2-14 x 50mm with Polycarb Seal	50	SVHEXC862050UM	5/16	50mm	15mm	6.2	14	11.4	19.5	21	1.5 mm	11mm
B8 M6.2-14 x 50mm with Polycarb Seal	100	SVHEXC862050UT	5/16	50mm	15mm	6.2	14	11.4	19.5	21	1.5mm	11mm
B8 M6.2-14 x 50mm with Polycarb Seal	250	SVHEXC862050UK	5/16	50mm	15mm	6.2	14	11.4	19.5	21	1.5 mm	11mm
B8 M6.2-14 x 50mm with Polycarb Seal	500	SVHEXC862050UI	5/16	50mm	15mm	6.2	14	11.4	19.5	21	1.5 mm	11mm
B8 M6.2-14 x 65mm with Polycarb Seal	50	SVHEXC862065UM	5/16	65mm	15mm	6.2	14	11.4	19.5	21	1.5 mm	11mm
B8 M6.2-14 x 65mm with Polycarb Seal	100	SVHEXC862065UT	5/16	65mm	15mm	6.2	14	11.4	19.5	21	1.5 mm	11mm
B8 M6.2-14 x 65mm with Polycarb Seal	250	SVHEXC862065UK	5/16	65mm	15mm	6.2	14	11.4	19.5	21	1.5 mm	11mm

vortex[®] POLY[®]CUT[®]

BREMICK – Intellectual Property Statement

The Bremick[®] Vortex PolyCut[®] is Protected by a Registered Design.

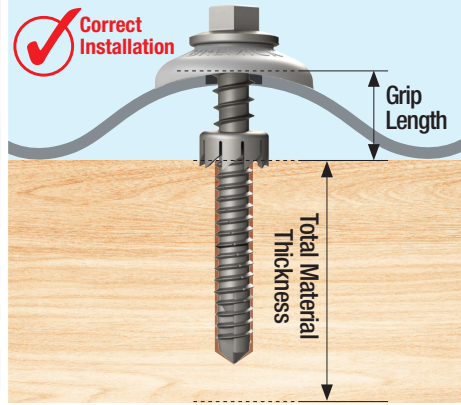
Vortex[®] is Patented by Bremick. Bremick[®], PolyCut[®], B8[®] are Trademarks of Bremick. This publication is ©Copyright of Bremick Pty Ltd.

Installation Recommendations

For best results use a power screw driver with variable speed. When fastening into timber battens use 65mm screw for profile rib heights greater than 20mm.

For best results initial drive speed should be:
 – 1000 to 1500 RPM for timber.
 – 2000 to 2500 RPM for steel.

Only use Bremick Drive 5/16 Drive Bits. Consult sheeting manufacturer for fastener spacings.



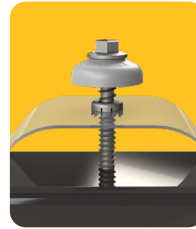
Incorrect Installation – Over driving causes the seal to deform, allowing water to penetrate.



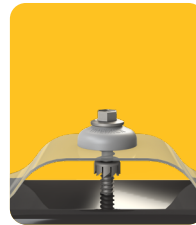
Setting Instructions



1. Fit screw head into drive socket & locate screw point at crest of sheet rib. Support the crest with your other hand to avoid sheet buckling. Apply moderate/firm downward pressure onto the roof sheet.



2. Drill at “slow speed” to allow the Polycarb washer and cutter to rise to the top of the screw. Polycarb washer will rise to sit under the head of the screw while the cutter will rise to the base of the top grip thread.



3. The cutter, once engaged with the top grip thread will cut an 11mm expansion hole into the sheeting. Maintain firm pressure, increase drive speed & continue driving until the polycarb washer seats firmly against the polycarbonate sheeting.

4. Ensure the washer creates a watertight seal with the crest of the sheet. If over driven, the washer &/or roof sheet will deform. Reverse screw only until the sheet & washer are not deformed to create watertight seal.

Mechanical Properties

Axial Withdrawal Forces for Metal Battens & Studs, Steel Purlins & Steel Supports[†]

Mean Ultimate Pull Out Force KN – Metal Battens				Mean Ultimate Pull Out Force KN – Steel Purlins		
Product	0.55mm BMT G550	0.75mm BMT G550	1.0mm BMT G550	Product	1.2mm BMT G450	1.5mm BMT G450
M6.2-14	1.1	1.9	2.7	M6.2-14	3.6	4.5

Axial Withdrawal Forces for Timber[†]

Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine) Embedment Depth				Mean Ultimate Pull Out in F17/J3 Timber (Hardwood) Embedment Depth			
Product	25mm	30mm	35mm	Product	25mm	30mm	35mm
M6.2-14	3.1	4.7	6.2	M6.2-14	3.8	4.7	6.2

NOTE:

- For extremely hard timbers some pre-drilling may be required.
- Drilling performance may vary when fastening to different hardwood species.
- Drilling speed and end load may alter the Vortex[®] PolyCut[®] cutting performance.



REVOLUTIONARY PROTECTION & PERFORMANCE
for corrosive environments

[†] Note: The above data represents characteristic capabilities obtained under laboratory conditions and are only applicable to Bremick products. The design professional must apply appropriate safety factors.