

M6.2-14 HEX HEAD VORTEX POLY CUT™



APPLICATION

Bremick® M6.2-14 Hex Head Vortex® PolyCut™ screw is designed for crest pierce fixing polycarbonate roof sheets to top hat and timber battens.

Typical applications are pergolas, outdoor entertainment areas and skylights.

**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

PRODUCT ATTRIBUTES



B8® Hex Drive provides traceability and offers greater engagement and hex socket stability.

Polycarb seal for a watertight seal.

Finish high corrosion performance with the B8® Coating. Suitable for Category 5 corrosive environments in accordance with ISO 9223-2012 and AS4312-2008.

Fine tooth hole saw cutter drills expansion hole ultra smoothly.

Vortex® Point with **thread-to-point technology** for faster starting, no skidding and stable installation.

DRILLING & INSTALLATION CAPACITY

Base Materials:

- Timber (JD3 min).
- Metal Battens 0.75mm BMT G550 min.
- Steel Purlins 1.5mm BMT G450 max.

When fastening to timber, ensure a minimum thread embedment of 25mm.

When fastening metal, ensure 3 threads minimum embedment, protrude below battens / purlins.

In cyclonic regions, consult design professionals for fastener spacing.

INSTALLATION INSTRUCTIONS

1. Use a 5/16" Bremick® Hex Socket.
2. Insert the socket into a Power tool and select a drive speed of 1000 to 1500 RPM.
3. Fit the screw into the socket and position the screw point on the crest of the Rib.
4. Commence drilling at "slow speed" to pierce sheeting.
5. Apply firm pressure, drive until the seal seats firmly. Do NOT overdrive. Reverse screw if washer or roof sheet is deformed from over driving.

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MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
M6.2-14	11.0	16.7	14.1

PULL OUT VALUES

Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450
M6.2-14	3.5	4.9	5.4	8.0

Mean Ultimate Pull Out Force kN – Metal Battens

SIZE	0.42mm BMT G550	0.55mm BMT G450	0.55mm BMT G550	0.75mm BMT G550	0.9mm BMT G550	1.0mm BMT G550	1.2mm BMT G550
M6.2-14	1.5	1.5	2.0	2.5	3.1	3.5	4.9

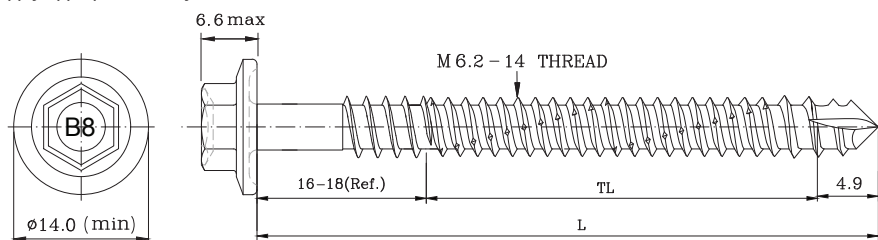
Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine)

SIZE	25mm Embedment	30mm Embedment	35mm Embedment
M6.2-14	3.1	4.7	6.2

Mean Ultimate Pull Out in F17/J3 Timber (Hardwood)

SIZE	25mm Embedment	30mm Embedment	35mm Embedment
M6.2-14	3.8	4.7	6.2

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.



RANGE

Product Code	Description	Head Driver	Pack Qty (EA)	Finish	Length L (mm)	Thread Length TL (mm)
SVHEXC862050UT	VORTEX POLY CUT 6.2-14x50 HEX	5/16" Hex	100	B8® COATING	50	26.5
SVHEXC862050UK	VORTEX POLY CUT 6.2-14x50 HEX	5/16" Hex	250	B8® COATING	50	26.5
SVHEXC862050UI	VORTEX POLY CUT 6.2-14x50 HEX	5/16" Hex	500	B8® COATING	50	26.5
SVHEXC862065UK	VORTEX POLY CUT 6.2-14x65 HEX	5/16" Hex	250	B8® COATING	65	38.5
SVHEXC862065UT	VORTEX POLY CUT 6.2-14x65 HEX	5/16" Hex	100	B8® COATING	65	38.5

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