

M6.2-13 HEX HEAD VORTEX PLUS™



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

APPLICATION

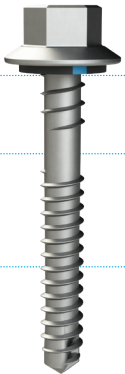
Bremick® M6.2-13 Hex Head Vortex Plus™ screw is designed for crest fixing roof sheets to top hat and timber battens.

The Vortex Plus™ screw can also be used into steel purlin up to 1.5 mm in thickness.

PRODUCT ATTRIBUTES



B8+ Hex Head provides traceability and offers greater engagement and hex socket stability.



Ultraseal® prevents washer spew from over driving ensuring a water tight seal.

Top Grip provides a positive seal and reduces the roof sheet riding down.

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

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 0.55mm 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)
M6.2-13	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
M6.2-13	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
M6.2-13	1.5	1.5	2.0	2.5	3.1	3.5	4.9

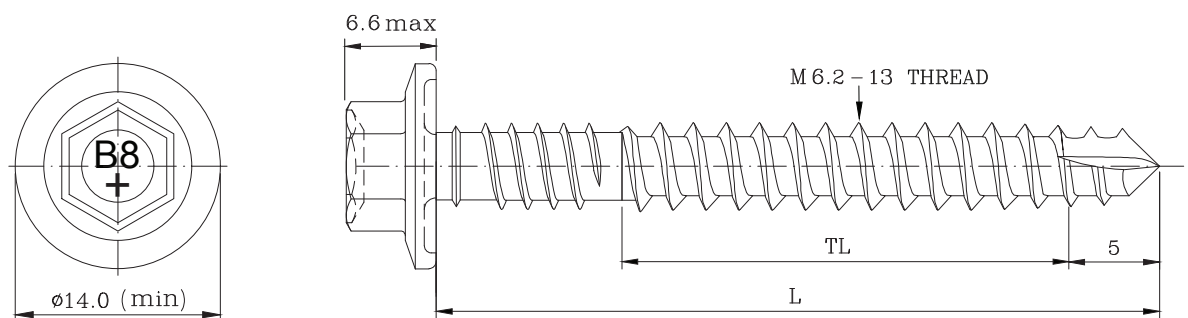
Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine)

SIZE	20mm Embedment	25mm Embedment	30mm Embedment	35mm Embedment
M6.2-13	2.7	3.1	4.7	6.2

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

SIZE	25mm Embedment	30mm Embedment	35mm Embedment
M6.2-13	4.6	6.2	6.5

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)
SVROXT8620501I	VORTEX PLUS M6.2-13 X 50 HEX +SL	5/16" Hex	1000	B8® COATING	50	33
SVROXT8620501T	VORTEX PLUS M6.2-13 X 50 HEX +SL	5/16" Hex	100	B8® COATING	50	33

M6.2-13 HEX HEAD VORTEX PLUS

Vortex®PLUS - COLORBOND® COLOURS

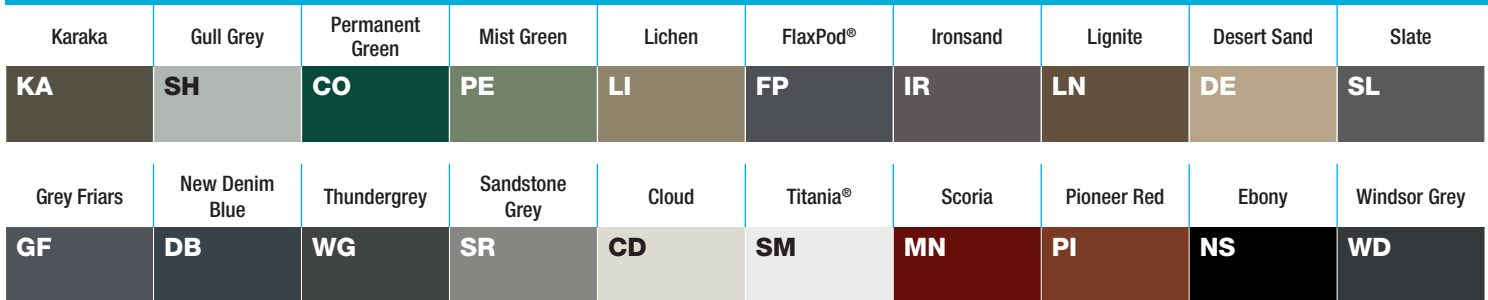
Full range of Painted Screws available in COLORBOND® Steel & Ultra Steel colours.



®,™ All colours listed are Trademarks of Bluescope Steel Ltd

Vortex®PLUS - NZ COLORSTEEL® COLOURS

Full range of Painted Screws available in COLORSTEEL® ENDURA® & MAXX® colours.



®,™ All colours listed are Trademarks of New Zealand Steel Ltd

For Painted Vortex Plus, add the two digit Paint code to the end of the Plain code.
eg: (SM) Surfmist® shown below:

Product Code	Product Description
SVROXT8620501ISM	Vortex Plus HEX B8(Cat5) 6.2-13x50+SL - SM
SVROXT8620501TSM	Vortex Plus HEX B8(Cat5) 6.2-13x50+SL -100 - SM

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BREMICK®

Bremick Pty Ltd
Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170
www.bremick.com.au