

# M6.2-13 HEX HEAD VORTEX PLUS™



**REVOLUTIONARY  
PROTECTION &  
PERFORMANCE**  
for corrosive environments

## APPLICATION

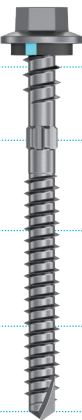
Bremick® M6.2-13 Hex Head Vortex Plus™ screw is designed for crest fixing roof sheets to top hat and timber battens.

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.

**Shank Protector** enlarges the hole cut into the roof sheet sufficiently to minimize abrasion of the coating.

**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.

# M6.2-13 HEX HEAD VORTEX PLUS™

## 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

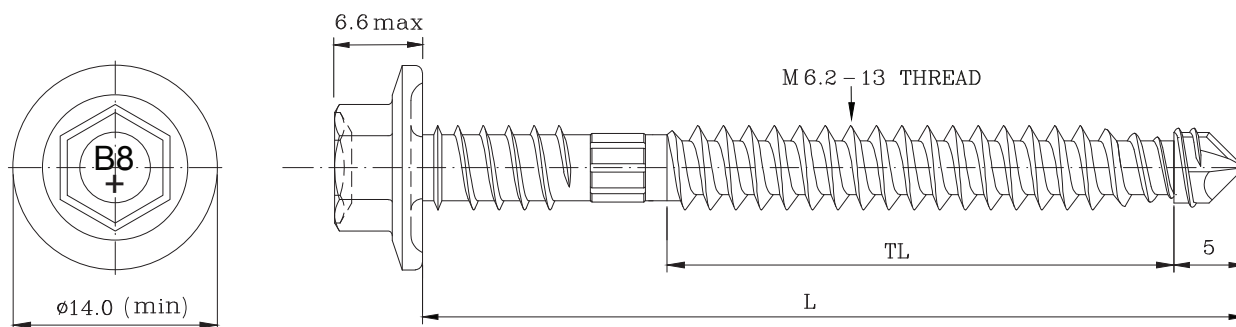
### Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine)

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)
SVROXT8620651I	VORTEX PLUS M6.2-13x65 HEX +SL	5/16" Hex	500	B8® COATING	65	43
SVROXT8620651T	VORTEX PLUS M6.2-13x65 HEX +SL	5/16" Hex	100	B8® COATING	65	43
SVROXT8620801I	VORTEX PLUS M6.2-13x80 HEX +SL	5/16" Hex	500	B8® COATING	80	61
SVROXT8620801T	VORTEX PLUS M6.2-13x80 HEX +SL	5/16" Hex	100	B8® COATING	80	61

# M6.2-13 HEX HEAD VORTEX PLUS

## Vortex®PLUS - COLORBOND® COLOURS

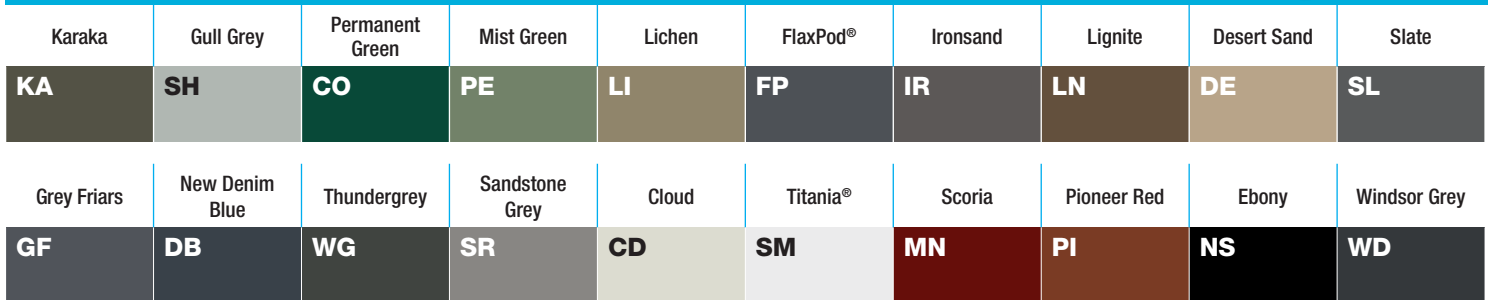
Full range of Painted Screws available in COLORBOND® Steel & Ultra Steel colours.



®,™ 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
SVROXT8620651ISM	Vortex Plus HEX B8(Cat5) 6.2-13x65+SL - SM
SVROXT8620651TSM	Vortex Plus HEX B8(Cat5) 6.2-13x65+SL -100 - SM

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