

M4.8-13 HEX HEAD VORTEX VALLEY FIX™

APPLICATION

Bremick® M4.8-13 Vortex Valley Fix™ screw is designed for valley fixing cladding to timber battens and thin metal battens.

The product is available with or without an EPDM sealing washer, engineered for a watertight seal.



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

PRODUCT ATTRIBUTES



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

Flush Hex Head Provides a sleek, architectural finish.

Finish High Corrosion performance with the B8® Coating. Suitable for Category 5 corrosive environments in accordance with ISO 9223-2012 and AS4312-2019.

Vortex® Point Suitable for drilling into timber and thin metal while ensuring maximum pullout strength.

DRILLING & INSTALLATION CAPACITY

Base Materials:

- Timber (JD3 min).
- Metal Battens 0.55mm BMT G550 min.
- Steel Purlins 1.9mm 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 3,000 RPM maximum.
3. Fit the screw into the socket and place the tip of the screw at the fastening position.
4. Apply firm pressure, drive until the screw has fastened. Do NOT overdrive.

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MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
M4.8-13	6.5		10.7

PULL OUT VALUES

Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450
M4.8-13	3.5	4.1	5.6	6.9

Mean Ultimate Pull Out Force kN – Metal Battens

SIZE	0.55mm BMT G550	0.75mm BMT G550	0.95mm BMT G550	1.15mm BMT G550
M4.8-13	1.0	2	2	3.6

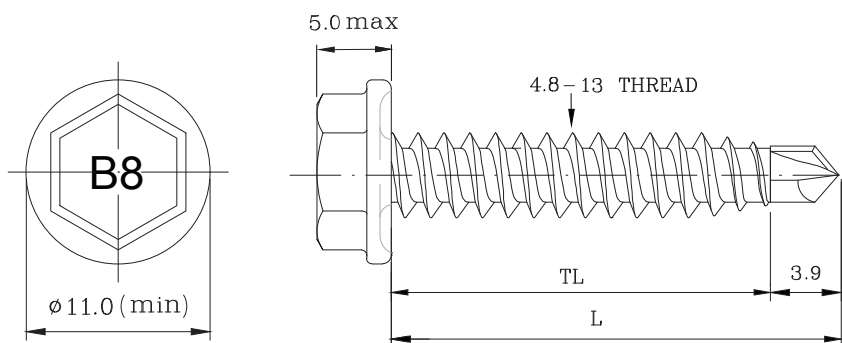
Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine)

SIZE	20mm Embedment
M4.8-13	1.1

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

SIZE	20mm Embedment
M4.8-13	2.3

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)
SUHC8480252	VORTEX M4.8-13x25 HEX	5/16" Hex	500	B8® COATING	25	16.5
SUHC8480258	VORTEX M4.8-13x25 HEX	5/16" Hex	100	B8® COATING	25	16.5
SUHC8480251	VORTEX M4.8-13x25 HEX +SL	5/16" Hex	500	B8® COATING	25	16.5
SUHC8480257	VORTEX M4.8-13x25 HEX +SL	5/16" Hex	100	B8® COATING	25	16.5

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COLORBOND® COLOURS

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



Dover White™	Surfmist®	Evening Haze/ Summershade®	Classic Cream™	Paperbark®	Dune®	Southerly®	Shale Grey™	Bluegum®	Windspray®	Gully™
DW	SM	SS	CC	PA	DU	SO	SH	BM	WS	GY
Jasper™	Wallaby®	Basalt®	Woodland Grey®	Monument®	Night Sky®	Ironstone®	Deep Ocean®	Cottage Green®	Pale Eucalypt®	Manor Red®
JA	WA	BZ	WG	MO	NS	IS	DO	CO	PE	MN

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

NZ COLORSTEEL® COLOURS

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



Karaka	Gull Grey	Permanent Green	Mist Green	Lichen	FlaxPod®	Ironsand	Lignite	Desert Sand	Slate
KA	SH	CO	PE	LI	FP	IR	LN	DE	SL
Grey Friars	New Denim Blue	Thundergrey	Sandstone Grey	Cloud	Titania®	Scoria	Pioneer Red	Ebony	Windsor Grey
GF	DB	WG	SR	CD	SM	MN	PI	NS	WD

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

For Painted, add the two digit Paint code into the middle of the Plain code.

Product Code	Product Description
SUHC8**4252	VORTEX M4.8-13x25 HEX
SUHC8**4258	VORTEX M4.8-13x25 HEX
SUHC8**4251	VORTEX M4.8-13x25 HEX +SL
SUHC8**4257	VORTEX M4.8-13x25 HEX +SL

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