

14-14 HEX HEAD SDM BI-METAL SS304 & SS410

APPLICATION

Bremick® 14-14 Hex Head SDM Bi-Metal screw is designed for fastening aluminium roof sheeting to steel or aluminium purlins.

Extended swarf clearing flutes ensure efficient drilling without fouling the head seating with drilling debris.



STAINLESS
STEEL
304

STAINLESS
STEEL
410

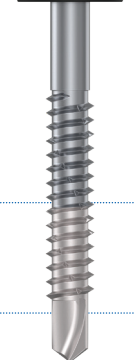
PRODUCT ATTRIBUTES



BF A2 Hex Head provides traceability, consistency and stable driving.



16mm Bonded Washer engineered for a watertight seal.



Finish Stainless Steel 316 suitable for Category CX corrosive environments in accordance with ISO 9223-2012 and AS4312-2019.

Stainless Steel 410 Hardened Drill Point suitable for fastening to steel and aluminium purlins.

DRILLING & INSTALLATION CAPACITY

Base Materials:

- Metal Battens G550
- Steel Purlins G450

Max drilling capacity of 5.0mm (steel).

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

INSTALLATION INSTRUCTIONS

1. Use a 3/8" Bremick® Hex Socket.
2. Insert screw head into drive socket and position screw point on the crest of the Rib.
3. Select a drive speed of 2500 RPM maximum, apply firm pressure to create a start and drive screw whilst maintaining a steady pressure.
4. Drive screw until the sealing washer is partially compressed. Do not over drive.
5. 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)
14-14	9.2	15.7	15.3

PULL OUT VALUES

Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.5mm BMT G450	2.4mm BMT G450
14-14	5.9	9.9

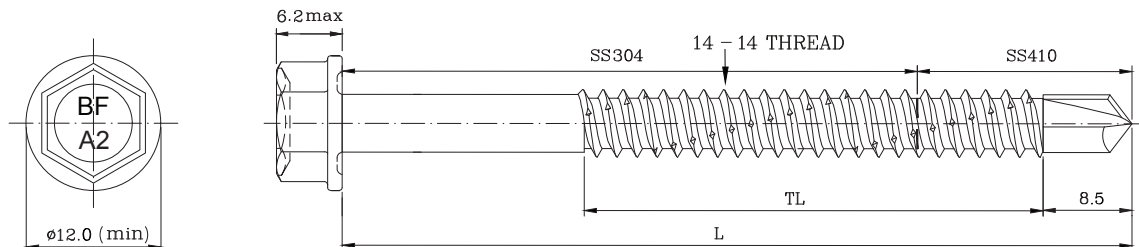
Mean Ultimate Pull Out Force kN – Aluminium Purlins

SIZE	3mm
14-14	4.6

Mean Ultimate Pull Out Force kN – Steel HRS

SIZE	6mm	8mm	12mm
Pre-drilled hole -diameter	5.4mm	5.5mm	5.7mm
14-14	13.1	13.4	13.9

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)
SMHC9140504	SDM 14-14x52 HEX +16mm ABW	3/8" Hex	500	SS304 & SS410	52	35
SMHC9140804	SDM 14-14x80 HEX +16mm ABW	3/8" Hex	500	SS304 & SS410	80	50
SMHC9140904	SDM 14-14x90 HEX +16mm ABW	3/8" Hex	500	SS304 & SS410	90	50

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