

12-14 HEX HEAD SDM



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

APPLICATION

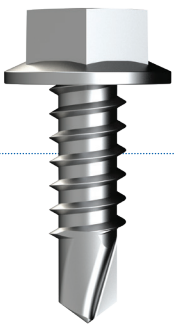
Bremick® Hex Head SDM Screw is used for valley fixing roof or cladding to metal purlin, or fixing metal to metal.

This product is available with or without an EPDM sealing washer.

PRODUCT ATTRIBUTES



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



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

SDM Point for drilling into steel while ensuring maximum pullout strength and a high strip torque.

DRILLING & INSTALLATION CAPACITY

Base Materials:

- Metal Battens G550
- Steel Purlins G450

Max drilling capacity of 5.0mm

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

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.

12-24 HEX HEAD SDM

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
12-14	8.4	14.4	13.1

PULL OUT VALUES

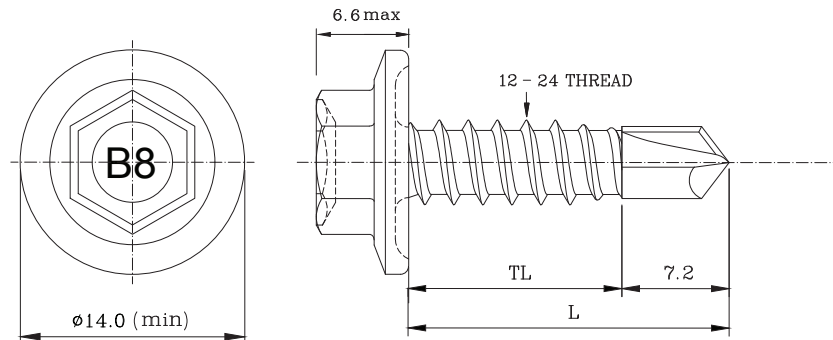
Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450	3.0mm BMT G300	4.0mm BMT G300
12-14	2.8	3.2	4.0	5.5	5.8	7.6	9.7

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
12-14	0.9	0.9	1.0	1.7	2.0	2.1	2.6

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)
SMHC8120202	SDM 12-14x20 HEX	5/16" Hex	500	B8® COATING	20	12.8
SMHC8120208	SDM 12-14x20 HEX	5/16" Hex	100	B8® COATING	20	12.8
SMHEXC8120202T	SDM 12-14x20 HEX	5/16" Hex	100	B8® COATING	20	12.8
SMHC8120201	SDM 12-14x20 HEX +SL	5/16" Hex	500	B8® COATING	20	12.8
SMHC8120207	SDM 12-14x20 HEX +SL	5/16" Hex	100	B8® COATING	20	12.8
SMHEXC8120201T	SDM 12-14x20 HEX +SL	5/16" Hex	100	B8® COATING	20	12.8

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