

12-14 HEX HEAD SDM B8[®] COATING

APPLICATION

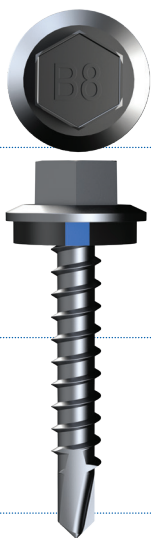
Bremick[®] 12-14 Hex Head SDM Screw is predominantly used for fixing cladding, concealed fix roofing clips and polycarb roofing to steel purlins.

This product can also be used for fixing roofing clips into steel purlin. This product is available with or without an EPDM sealing washer or with a DEKS[®] Polycarb washer.



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

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 AS4312-2019.

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.

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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

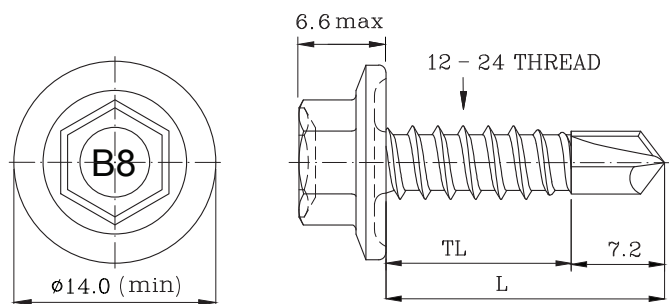
SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450	3.0mm BMT G300	4.0mm BMT G300
12-14	2.8	3.2	4.0	5.5	5.8	7.6	9.7

Mean Ultimate Pull Out Force kN – Metal Battens

SIZE	0.55mm BMT G550	0.75mm BMT G550	0.9mm BMT G550	1.0mm BMT G550	1.2mm BMT G550
12-14	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.

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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
SMHC8120252	SDM 12-14x25 HEX	5/16" Hex	1,000	B8® COATING	25	17.8
SMHC8120251	SDM 12-14x25 HEX	5/16" Hex	500	B8® COATING	25	17.8
SMHC8120302	SDM 12-14x30 HEX	5/16" Hex	1,000	B8® COATING	30	22.8
SMHC8120308	SDM 12-14x30 HEX	5/16" Hex	100	B8® COATING	30	22.8
SMHEXC8120302T	SDM 12-14x30 HEX	5/16" Hex	100	B8® COATING	30	22.8
SMHC8120301	SDM 12-14x30 HEX	5/16" Hex	1,000	B8® COATING	30	22.8
SMHC8120307	SDM 12-14x30 HEX	5/16" Hex	100	B8® COATING	30	22.8
SMHEXC8120301T	SDM 12-14x30 HEX	5/16" Hex	100	B8® COATING	30	22.8
SMHC8120352	SDM 12-14x35 HEX	5/16" Hex	1000	B8® COATING	35	27.8
SMHC8120358	SDM 12-14x35 HEX	5/16" Hex	100	B8® COATING	35	27.8
SMHEXC8120352T	SDM 12-14x35 HEX	5/16" Hex	100	B8® COATING	35	27.8
SMHC812035B	SDM 12-14x35 HEX + BRA	5/16" Hex	250	B8® COATING	35	27.8
SMHC8120351	SDM 12-14x35 HEX + SL	5/16" Hex	1000	B8® COATING	35	27.8
SMHC8120452	SDM 12-14x45 HEX	5/16" Hex	1000	B8® COATING	45	37.8
SMHC8120458	SDM 12-14x45 HEX	5/16" Hex	100	B8® COATING	45	37.8
TMHC812045P	SDM 12-14x45 HEX + PC	5/16" Hex	100	B8® COATING	45	37.8
SMHC8120451	SDM 12-14x45 HEX + SL	5/16" Hex	1000	B8® COATING	45	37.8
SMHC8120552	SDM 12-14x55 HEX	5/16" Hex	1000	B8® COATING	55	47.8
SMHC812055P	SDM 12-14x55 HEX + PC	5/16" Hex	100	B8® COATING	55	47.8
SMHC8120551	SDM 12-14x55 HEX + SL	5/16" Hex	1000	B8® COATING	55	47.8

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