

12-14 x 30mm CONCEALED FIX HEX HEAD SDM

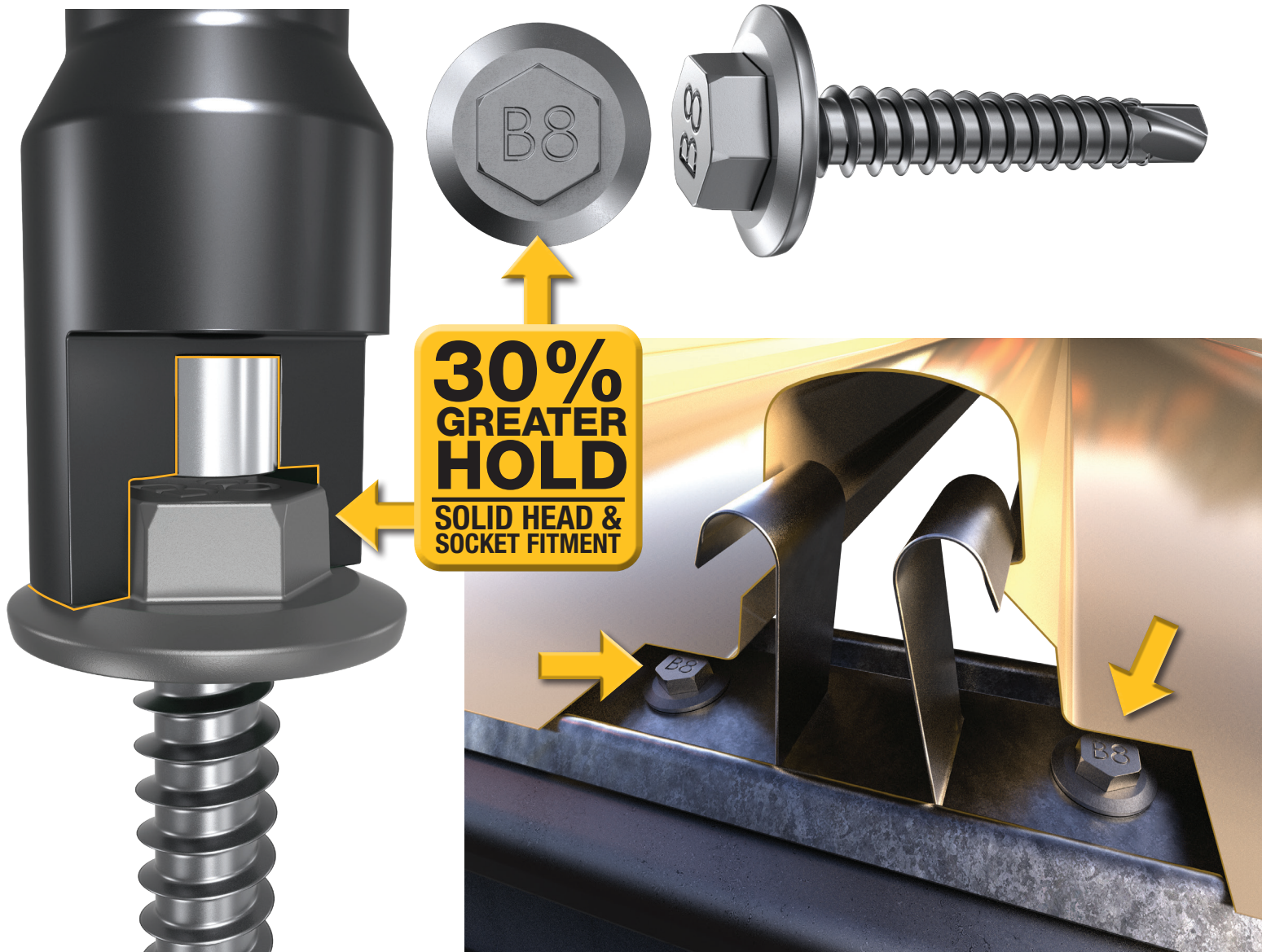
Bremick's new SolidFit™ Concealed Fix Hex Head SDM screw is designed specifically for fixing concealed roofing clips to steel purlins.

The solid hex head construction ensures strong, positive engagement with the hex socket, providing up to **30% greater hold**, assisted by the **socket's magnetic force** for easier installation.

The low profile head height further minimises interference when attaching the roof sheet to the clip, allowing for the roof sheet to contract and expand with no contact with the screw head.



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments



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APPLICATION

Bremick® 12-14 SolidFit™ Concealed Fix Hex Head SDM Screw is predominantly used for fixing concealed fix roofing clips to steel purlins.

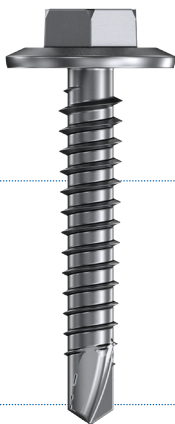


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PRODUCT ATTRIBUTES



Solid Head 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

Min drilling capacity of 0.75mm

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

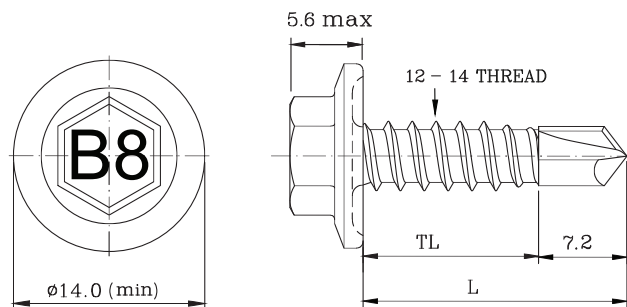
Mean Ultimate Pull Out Force kN – Steel Purlins

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	0.42mm 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)
SMHEXC8120302I	SDM 12-14x30 HEX	5/16" Hex	1,000	B8® COATING	30	22.8

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