

14-10 HEX HEAD SDM

APPLICATION

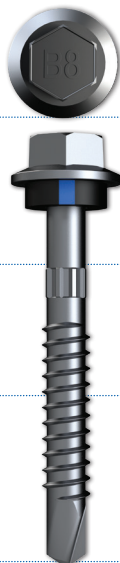
Bremick® 14-10 Hex Head SDM screw is designed for crest pierce fixing roof and side cladding to steel purlins.

This product is available either bare or with EDPM Sealing Washer.



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

PRODUCT ATTRIBUTES



B8V Hex Drive provides traceability and offers greater engagement and hex socket stability.

Shank Protector enlarges the hole cut into the roof sheet sufficiently to minimize abrasion of the coating.

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 3/8" Bremick® Hex Socket.
2. Insert the socket into a Power tool and select a drive speed of 1000 to 1500 RPM.
3. Fit the screw into the socket and position the screw point on the crest of the Rib.
4. Commence drilling at "slow speed" to pierce sheeting.
5. Apply firm pressure, drive until the seal seats firmly. Do NOT overdrive. Reverse screw if washer or roof sheet is deformed from over driving.

14-10 HEX HEAD SDM

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
14-10	11.1	20.3	20.8

PULL OUT VALUES

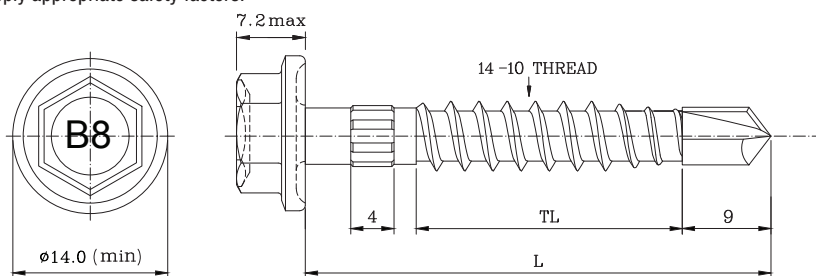
Mean Ultimate Pull Out Force kN – Steel Purlins

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
14-10	3.0	3.7	4.6	6.4	8.4	9.8	12.0

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
14-10	1.1	1.1	1.1	1.8	2.1	2.5	2.7

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)
SMHC8140422	SDM 14-10x42 HEX	3/8" Hex	1,000	B8@ COATING	42	24
SMHC8140428	SDM 14-10x42 HEX	3/8" Hex	100	B8@ COATING	42	24
SMHC8140421	SDM 14-10x42 HEX +SL	3/8" Hex	1,000	B8@ COATING	42	24
SMHC8140427	SDM 14-10x42 HEX +SL	3/8" Hex	100	B8@ COATING	42	24
SMHEXC8140421T	SDM 14-10x42 HEX +SL	3/8" Hex	100	B8@ COATING	42	24
SMHC8140502	SDM 14-10x55 HEX	3/8" Hex	1,000	B8@ COATING	55	35
SMHC8140508	SDM 14-10x55 HEX	3/8" Hex	100	B8@ COATING	55	35
SMHC8140501	SDM 14-10x55 HEX +SL	3/8" Hex	1,000	B8@ COATING	55	35
SMHC8140507	SDM 14-10x55 HEX +SL	3/8" Hex	100	B8@ COATING	55	35

Whilst every care was taken in the preparation of this publication, Bremick® accepts no responsibility for the accuracy of the information supplied. Bremick® reserves the right to make alterations to specifications as part of ongoing development and improvement. This publication serves as a guide and it's the responsibility of the end user to ensure suitability for their application.

The contents of this publication are the exclusive copyright of Bremick® and may not be reproduced without permission.

BREMICK®

Bremick Pty Ltd
Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170
www.bremick.com.au