

# 12-14 HEX HEAD SDM TOPGRIP



**REVOLUTIONARY  
PROTECTION &  
PERFORMANCE**  
for corrosive environments

## APPLICATION

Bremick® 12-14 Hex Head SDM TopGrip Screw is used for crest fixing roof sheets to steel purlins.

Available with EDPM Sealing Washer only.

## PRODUCT ATTRIBUTES



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

**Top Grip** provides a positive seal and reduces the roof sheet riding down.

**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 AS4312-2019.

**SDM Point** for 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 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.

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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

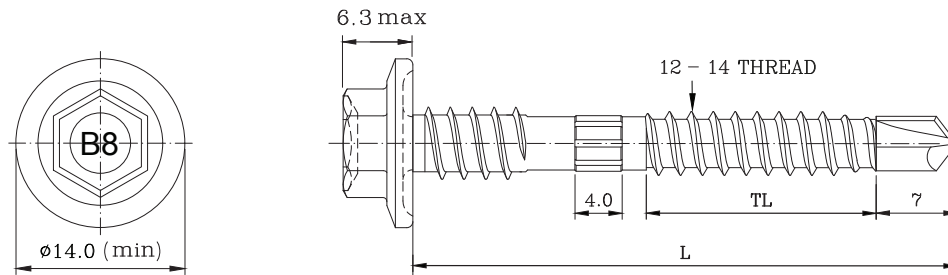
### Mean Ultimate Pull Out Force kN – Steel Purlins

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)
SMHT8120451	TG SDM 12-14x51 HEX +SL	5/16" Hex	1000	B8® COATING	51	25
SMHT8120457	TG SDM 12-14x51 HEX +SL	5/16" Hex	100	B8® COATING	51	25
SMHEXT8120551T	TG SDM 12-14x55 HEX +SL	5/16" Hex	100	B8® COATING	55	25
SMHT8120551	TG SDM 12-14x55 HEX +SL	5/16" Hex	1,000	B8® COATING	55	25
SMHT8120557	TG SDM 12-14x55 HEX +SL	5/16" Hex	100	B8® COATING	55	25
SMHT8120681	TG SDM 12-14x68 HEX +SL	5/16" Hex	500	B8® COATING	68	28
SMHT8120687	TG SDM 12-14x68 HEX +SL	5/16" Hex	100	B8® COATING	68	28
SMHT8120801	TG SDM 12-14x80 HEX +SL	5/16" Hex	500	B8® COATING	80	40

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