

14-10 HEX HEAD SDM CYCLONIC™



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

APPLICATION

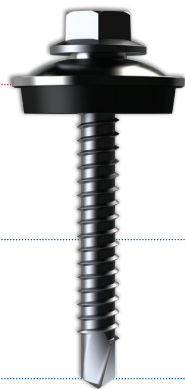
Bremick® 14-10 Hex Head SDM Cyclonic™ screw is designed for crest pierce fixing roof and side cladding to steel purlins.

The 14-10 Hex Head SDM Cyclonic™ can be used with either a Bremick® cyclone plate or the BRA® Washer.

PRODUCT ATTRIBUTES



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



BRA® Washer designed by Bremick® and certified for cyclonic applications.

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 CYCLONIC™

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

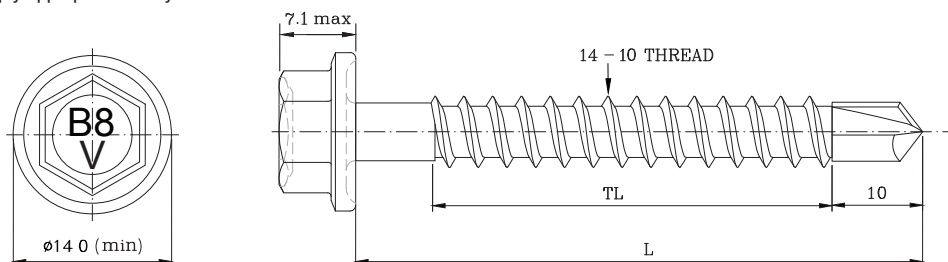
SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450	3.0mm BMT G300	4.0mm BMT G300
14-10	3.0	3.7	4.6	6.4	8.4	9.8	12.0

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)
SMHC814065D	SDM 14-10x65 HEX +BRA	3/8" Hex	250	B8® COATING	65	48
SMHC814065R	SDM 14-10x65 HEX +REGION "D"	3/8" Hex	200	B8® COATING	65	48
SMHC814075X	SDM 14-10x75 HEX +BP98	3/8" Hex	100	B8® COATING	75	58
SMHC814075B	SDM 14-10x75 HEX +BRA	3/8" Hex	250	B8® COATING	75	58
SMHC814075K	SDM 14-10x75 HEX +KLP	3/8" Hex	200	B8® COATING	75	58
SMHC814075Y	SDM 14-10x75 HEX +PDK	3/8" Hex	100	B8® COATING	75	58
SMHC814075R	SDM 14-10x75 LT HEX +REGION "D"	3/8" Hex	100	B8® COATING	75	58
SMHC814095B	SDM 14-10x95 HEX +BRA	3/8" Hex	250	B8® COATING	95	78
SMHC814095K	SDM 14-10x95 HEX +KLP	3/8" Hex	200	B8® COATING	95	78
SMHC814095X	SDM 14-10x95 HEX +BP98	3/8" Hex	100	B8® COATING	95	78
SMHC814095Y	SDM 14-10x95 HEX +PDK	3/8" Hex	100	B8® COATING	95	78

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