

14-20 HEX HEAD SDM

APPLICATION

Bremick® 14-20 Hex Head SDM Screw is used for fixing metal to metal.

Available either bare or with EDPM Sealing Washer.

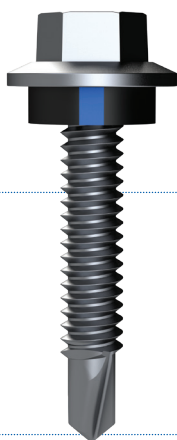


**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

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 AS4312-2008.

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 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.

14-20 HEX HEAD SDM

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
14-20	10.3	19.5	23.8

PULL OUT VALUES

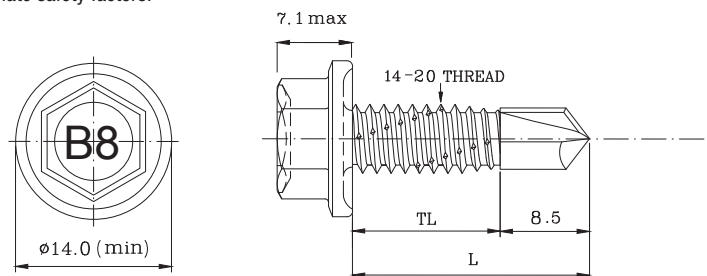
Mean Ultimate Pull Out Force kN – Steel Purlins

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
14-20	2.6	3.4	4.3	5.8	7.6	9.4	12.5

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
14-20	0.8	0.8	1.1	1.9	2.4	2.7	2.9

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)
SMHC8140222	SDM 14-20x22 HEX	3/8" Hex	500	B8@ COATING	22	13.5
SMHC8140228	SDM 14-20x22 HEX	3/8" Hex	100	B8@ COATING	22	13.5
SMHC8140221	SDM 14-20x22 HEX +SL	3/8" Hex	500	B8@ COATING	22	13.5
SMHC8140227	SDM 14-20x22 HEX +SL	3/8" Hex	100	B8@ COATING	22	13.5
SMHEXC8140221T	SDM 14-20x22 HEX +SL	3/8" Hex	100	B8@ COATING	22	13.5
SMHF8140252	SDM 14-20x25 HEX	3/8" Hex	500	B8@ COATING	25	16.5
SMHF8140452	SDM 14-20x45 HEX	3/8" Hex	1,000	B8@ COATING	45	36.5
SMHF8140458	SDM 14-20x45 HEX	3/8" Hex	100	B8@ COATING	45	36.5
SMHF8140451	SDM 14-20x45 HEX +SL	3/8" Hex	1,000	B8@ COATING	45	36.5
SMHF8140652	SDM 14-20x65 HEX	3/8" Hex	500	B8@ COATING	65	56.5

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