

# 10-16 HEX HEAD SDM

## APPLICATION

Bremick® 10-16 Hex Head SDM screw is used for fixing wall cladding to steel purlins, and metal to metal applications such as fencing, signs, fixings, etc.

This product is available with or without an EPDM sealing washer.

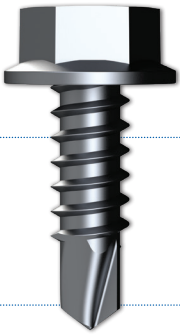


**REVOLUTIONARY  
PROTECTION &  
PERFORMANCE**  
for corrosive environments

## 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 4.0mm.

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)
10-16	6.3	11.1	8.3

## PULL OUT VALUES

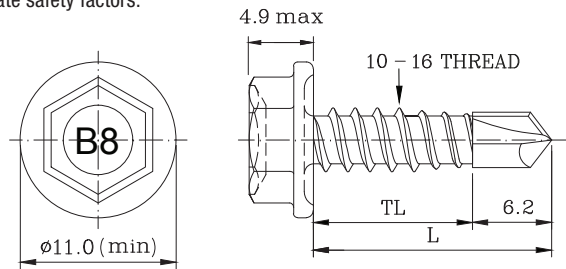
### Mean Ultimate Pull Out Force kN – Steel Purlins

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
10-16	2.8	3.0	4.3	5.2	6.7	7.2	9.8

### 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
10-16	0.9	0.9	1.0	1.8	2.1	2.2	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)
SMHC8100162	SDM 10-16x16 HEX	5/16" Hex	1,000	B8@ COATING	16	9.8
SMHC8100168	SDM 10-16x16 HEX	5/16" Hex	100	B8@ COATING	16	9.8
SMHC8100161	SDM 10-16x16 HEX +SL	5/16" Hex	1,000	B8@ COATING	16	9.8
SMHC8100165	SDM 10-16x16 HEX +SL	5/16" Hex	500	B8@ COATING	16	9.8
SMHC8100167	SDM 10-16x16 HEX +SL	5/16" Hex	100	B8@ COATING	16	9.8
SMHEXC8100162T	SDM 10-16x16 HEX	5/16" Hex	100	B8@ COATING	16	9.8
SMHEXC8100161T	SDM 10-16x16 HEX +SL	5/16" Hex	100	B8@ COATING	16	9.8
SMHC8100252	SDM 10-16x25 HEX	5/16" Hex	1,000	B8@ COATING	25	18.8
SMHC8100258	SDM 10-16x25 HEX	5/16" Hex	100	B8@ COATING	25	18.8
SMHC8100251	SDM 10-16x25 HEX +SL	5/16" Hex	1,000	B8@ COATING	25	18.8
SMHC8100257	SDM 10-16x25 HEX +SL	5/16" Hex	100	B8@ COATING	25	18.8
SMHEXC8100251T	SDM 10-16x25 HEX +SL	5/16" Hex	100	B8@ COATING	25	18.8

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