

10-16 HEX HEAD SDM



**GALVANISED
CLASS 3**

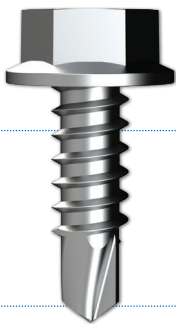
APPLICATION

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.

PRODUCT ATTRIBUTES



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



Finish Corrosion performance of Bremick® Class 3 coating in accordance with with ISO 9223-2012 and AS4312-2008 to suit the application.

Deep Driller SDM Point for drilling 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.

10-16 HEX HEAD SDM

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

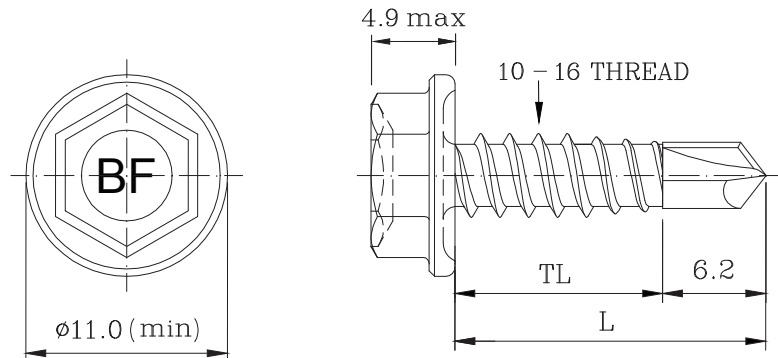
SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450	3.0mm BMT G300	4.0mm BMT G300
10-16	2.8	3.0	4.3	5.2	6.7	7.2	9.8

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)
SMHC3100162	SDM 10-16x16 HEX CL3	5/16" Hex	1,000	OUTDOOR CLASS 3	16	10.3
SMHCZ100162	SDM 10-16x16 HEX Z/Y	5/16" Hex	1,000	ZINC YELLOW	16	10.3
SMHCZ100252	SDM 10-16x25 HEX Z/Y	5/16" Hex	1,000	ZINC YELLOW	25	19.3

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