

10-16 WAFER HEAD SDM

APPLICATION

Bremick® 10-16 Wafer Head SDM Screw can be used for the assembly of steel wall frames, wall bracing, door and window lintels.

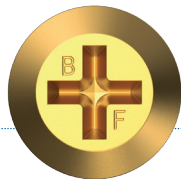
The product does not require a pre punched hole but can be used with pre punched holes Ø4.1mm or smaller. Other applications are fixing Concealed Fix Clips and Side Cladding.



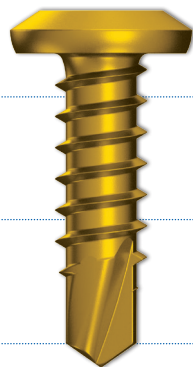
**ZINC
YELLOW**

**OUTDOOR
CLASS 3**

PRODUCT ATTRIBUTES



Wafer Head low profile head for secret fix cladding.



Finish Yellow Zinc Enhanced Corrosion Protection defends against rust, prolonging product life and provides a yellow-to-gold rainbow iridescence finish.

Finish Corrosion performance of Bremick Class 3 coating in accordance with with ISO 9223-2012 and AS4312:2019 to suit the application.

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 Bremick® Phillips No.2 drive bit.
2. Insert the drive bit 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 WAFER HEAD SDM

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
10-16	6.3	11.1	8.3

PULL OUT VALUES

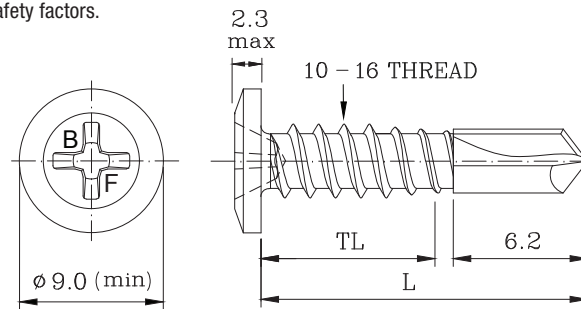
Mean Ultimate Pull Out Force kN – Steel Purlins

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)
SMWCZ100162	SDM 10-16x16 WAFER	PHILLIPS DRIVE No.2	1,000	ZINC YELLOW	16	9.8
SMWCZ100168	SDM 10-16x16 WAFER	PHILLIPS DRIVE No.2	100	ZINC YELLOW	16	9.8
SMWCZ100222	SDM 10-16x22 WAFER	PHILLIPS DRIVE No.2	1,000	ZINC YELLOW	22	15.8
SMWCZ100302	SDM 10-16x30 WAFER	PHILLIPS DRIVE No.2	1,000	ZINC YELLOW	30	23.8
SMWC3100162	SDM 10-16x16 WAFER	PHILLIPS DRIVE No.2	1,000	OUTDOOR CLASS 3	16	9.8
SMWC3100168	SDM 10-16x16 WAFER	PHILLIPS DRIVE No.2	100	OUTDOOR CLASS 3	16	9.8
SMWC3100222	SDM 10-16x22 WAFER	PHILLIPS DRIVE No.2	1,000	OUTDOOR CLASS 3	22	15.8
SMWC3100228	SDM 10-16x22 WAFER	PHILLIPS DRIVE No.2	100	OUTDOOR CLASS 3	22	15.8
SMWC3100302	SDM 10-16x30 WAFER	PHILLIPS DRIVE No.2	1,000	OUTDOOR CLASS 3	30	23.8
SMWC3100308	SDM 10-16x30 WAFER	PHILLIPS DRIVE No.2	100	OUTDOOR CLASS 3	30	23.8
SMWC3100402	SDM 10-16x40 WAFER	PHILLIPS DRIVE No.2	1,000	OUTDOOR CLASS 3	40	33.8

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