

12-24 WAFER SDM DEEP DRILLER™ B8® COATING

APPLICATION

Bremick® 12-24 Wafer Deep Driller™ SDM B8® Coated Screw is used for metal-to-metal fixing of thick steel purlin and hot rolled steel. Used for metal-to-metal fixing in the HVAC, plumbing and steel fabrication industries where thick steel section is in use.



**REVOLUTIONARY
PROTECTION &
PERFORMANCE**
for corrosive environments

PRODUCT ATTRIBUTES



Wafer Head low profile head for secret fix cladding.



Finish High Corrosion performance with the B8® Coating. Suitable for category 5 corrosive environments as described in ISO 9223-2012 and AS4312:2019.

Deep Driller SDM Point For drilling into steel while ensuring maximum pullout strength and a high strip torque.

DRILLING & INSTALLATION CAPACITY

Base Materials:

- Steel Purlins and HRS 3.0mm minimum to 12.0mm maximum.

When fastening metal, ensure 3 threads minimum embedment, protrude below HRS / purlins.

INSTALLATION INSTRUCTIONS

1. Use a Bremick® Phillips No.3 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.

12-24 WAFER SDM DEEP DRILLER™

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
12-24	8.9	16.0	13.3

PULL OUT VALUES

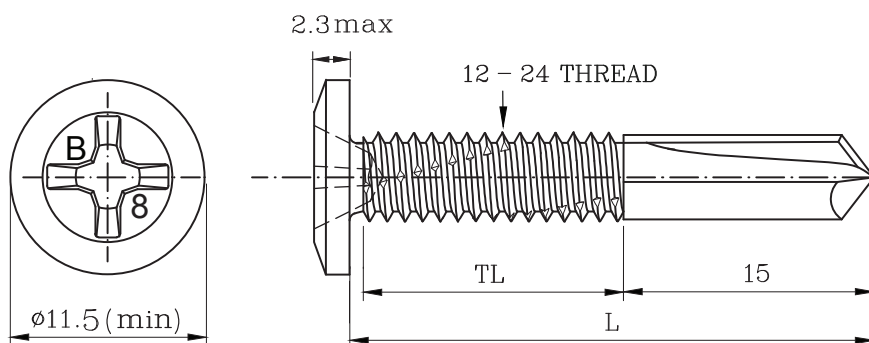
Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450	3.0mm BMT G300	4.0mm BMT G300	8.0mm BMT G300	12.0mm BMT G300
12-24	BMT	4.8	6.4	7.8	10.0	15.0	15.0

Mean Ultimate Pull Out Force kN – Metal Battens

SIZE	0.42mm BMT G550	0.55mm BMT G550	0.75mm BMT G550	1.0mm BMT G550
12-24	0.8	0.9	1.6	1.9

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)
S5WC8120322	12-24x32 WAFER B8(Cat5)	PHILLIPS DRIVE No.3	500	B8® COATING	32	15.7
S5WC8120328	12-24x32 WAFER B8(Cat5) -100	PHILLIPS DRIVE No.3	100	B8® COATING	32	15.7
S5WC8120502	12-24x50 WAFER B8(Cat5)	PHILLIPS DRIVE No.3	500	B8® COATING	50	33.7

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