

8-18 BUTTON HEAD SDM ZINC YELLOW



**ZINC
YELLOW**

APPLICATION

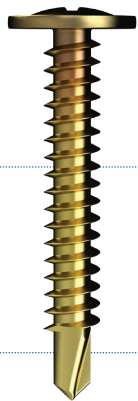
Bremick® 8-18 Button Head screw is designed for fastening thin steel sections and sheet metal components in light construction and fabrication applications.

The SDM point enables efficient self-drilling into metal substrates, while the fine thread provides secure engagement in thin gauge materials. The low-profile button head offers a neat finish where a smooth, unobtrusive head is required.

PRODUCT ATTRIBUTES



Button Head Provides a low-profile, rounded head design that offers a neat appearance and increased bearing.



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

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 3.5mm.

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.

8-18 BUTTON HEAD SDM
ZINC YELLOW

MECHANICAL PROPERTIES

SIZE	Single Shear (kN)	Axial Tensile (kN)	Torsional (Nm)
8-18	5.8	6.5	5.9

PULL OUT VALUES

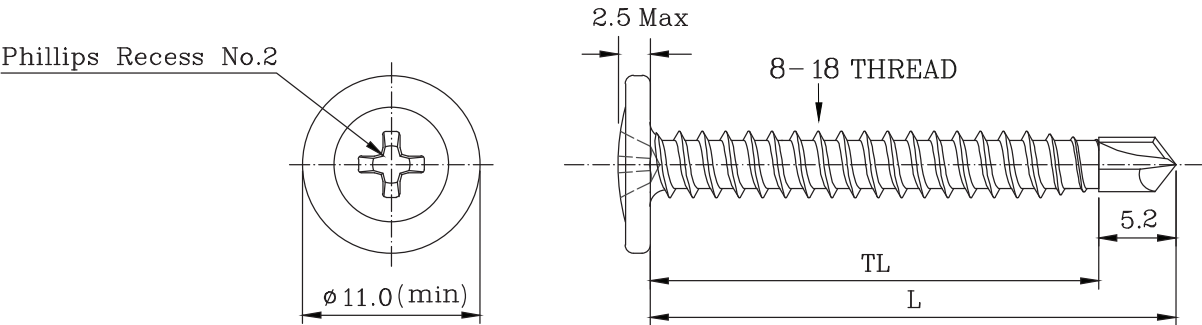
Mean Ultimate Pull Out Force kN – Steel Purlins

SIZE	1.0mm BMT G450	1.2mm BMT G450	1.5mm BMT G450	1.9mm BMT G450	2.4mm BMT G450
8-18	2.5	2.9	3.7	5.3	6.6

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
8-18	0.8	0.8	1.2	1.8	2.2	2.4	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)
SMBCZ080202	SDM 8-18x20 BUTTON Z/Y	PHILLIPS DRIVE No.2	1,000	ZINC YELLOW	20	14.8

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