

# 10-24 WAFER HEAD SDM

## APPLICATION

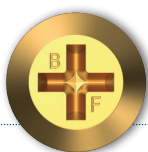
Bremick® 10-24 Wafer Head SDM Screw can be used for the assembly of steel wall frames, wall bracing, door and window lintels.

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.

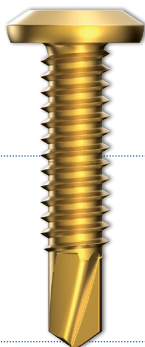


**ZINC  
YELLOW**

## 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.

**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.

# 10-24 WAFER HEAD SDM

## MECHANICAL PROPERTIES

| SIZE  | Single Shear (kN) | Axial Tensile (kN) | Torsional (Nm) |
|-------|-------------------|--------------------|----------------|
| 10-24 | 6.0               | 11.2               | 9.1            |

## PULL OUT VALUES

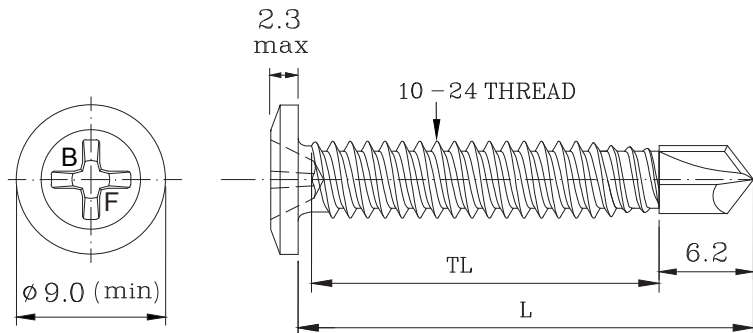
### Mean Ultimate Pull Out Force kN – Steel Purlins

| 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 |
|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 10-24 | 2.4            | 2.8            | 3.5            | 5.5            | 7.0            | 7.4            | 8.3            |

### 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 |
|-------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| 10-24 | 0.8             | 0.8             | 1.1             | 1.8             | 2.1            | 2.3            | 2.5            |

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) |
|--------------|--------------------|---------------------|---------------|-------------|---------------|-----------------------|
| SMWFZ100162  | SDM 10-24x16 WAFER | PHILLIPS DRIVE No.2 | 1,000         | ZINC YELLOW | 16            | 9.4                   |
| SMWFZ100222  | SDM 10-24x22 WAFER | PHILLIPS DRIVE No.2 | 1,000         | ZINC YELLOW | 22            | 15.4                  |
| SMWFZ100302  | SDM 10-24x30 WAFER | PHILLIPS DRIVE No.2 | 1,000         | ZINC YELLOW | 30            | 23.4                  |

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