



b&m-PLAST R[®]

Optimized direct screwing system for
high-performance plastics

b&m-PLAST R®

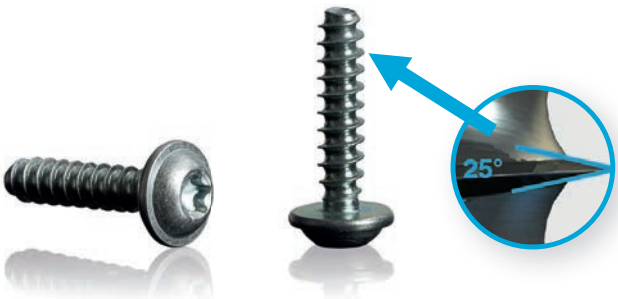
Optimized direct screwing system for high-performance plastics

Insufficient load capacity of the connection or fractured bosses: The principle of direct screwing is often difficult to apply in plastic materials. The b&m-PLAST R® is different. As a direct screwing system, it is especially suitable for brittle thermosets as well as for thermoplastics with low reinforcement or high reinforcement (with a glass fiber content of up to 50 %).



Functional principle

The reduced flank angle of 25° minimizes the radial forces acting on the boss. The rounded thread root of the b&m-PLAST R® promotes the homogenous material flow into it. Additionally its increased flank overlap and optimized thread pitch design enable higher tightening torques and preload forces, significantly enhancing process reliability.



Characteristics

- **Diameter:** 4 mm – 10 mm
- **Length:** depending on diameter / 8 mm – 40 mm
- **Property class:** “1000” – similar to property class 10.9 as per DIN EN ISO 898 for metric screws, therefore meets all common OEM standards
- **Flank angle:** 25°
- **Head geometry:** pan head with collar as standard; customized solutions available
- **Coating:** black or silver zinc nickel; other coatings available on request

Benefits

- Process reliability due to consistent screw-in performance
- No tolerances between screws and self-formed female threads
- High installation speed
- Savings from omitting threaded inserts
- Supports lightweight engineering objectives





Get in touch with us



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