



b&m-REPTO[®] B

Threaded bolts for installation in plastics

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The b&m-REPTO® B is a threaded bolt for overmolding and embedding in all common thermoplastics. The external thread, which can be metric or customized, can be used for joining and assembling other components. It ensures a highly repeatable form-fit connection.



Functional principle

The b&m-REPTO® B can be installed into the plastic material through overmolding, heat embedding or ultrasonic embedding. The knurl geometry, which is adapted to the selected installation process, is essential for the subsequent load case. Production using cold forming – the non-cutting b&m-ECCO TEC® manufacturing process – can make more efficient use of the material used and further increase the thread strength.



Features

- **Diameter:** 3 mm – 12 mm
- **Length:** depending on diameter
- **Material:** steel or brass (also lead-free)
- **Surface:** brass without coating; steel with zinc-nickel – black or silver; other coatings available on request
- **Thread:** metric or custom solution

Material: lead-free

b&m also offers steel and brass with a maximum lead content of 0.1 percent. The lead-free variants can be used to already meet the requirements of the EU directives for end-of-life vehicles and electrical waste.

Benefits

- Form-fit connection for optimal absorption of torques and axial forces
- Customer-specific and application-specific bolt geometries can be manufactured
- Production: fast, cost-efficient, and sustainable thanks to the b&m-ECCO TEC® cold forming process
- Installation: Short embedding times





Get in touch with us



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