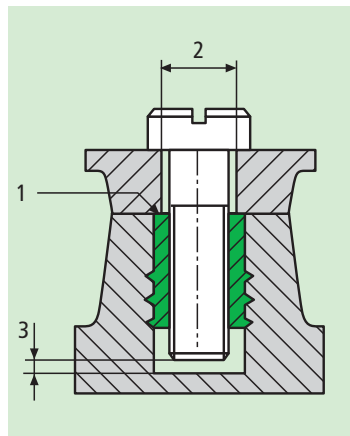




B-Lok® self-locking threaded insert



The B-Lok is a threaded insert with different external profiles, which guarantee optimum anchorage in all types of moulded plastic components

Product features

- Unbeatably short installation times
- Screw is secured automatically against loosening
- Cost savings for locking elements

B-Lok® *)

Registered Trademark

*) protected by numerous national and international patents.

Design of the moulded component and receiving hole

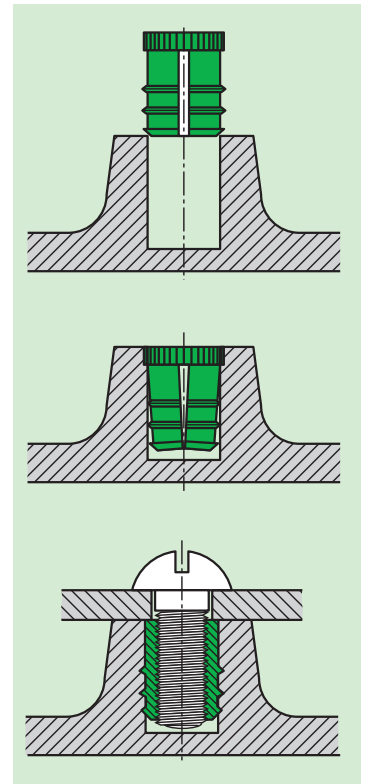
The part requiring fastening should be flush with the threaded insert, see (1). For this reason, the borehole (2) should be closely dimensioned and not countersunk. The B-Lok press in flush into the formed part (1).

The screw length must be selected so that the B-Lok is completely expanded.

Hole diameter and wall thicknesses are dependent on the material used for the formed part. Please enquire or ascertain by testing. For guideline values, see the Works Standard sheets. Conicity 0,5° to max. 1°.

For B-Lok, we recommend the smallest possible hole diameter in which it is still possible to reliably insert the screw. Although a larger hole means that the screw is less stiff running, at the same time reduces pull-out resistance and torque safety.

Hole depth. This should be overdimensioned if possible. The screw must not under any circumstances come to rest at the bottom of the hole, see (3).



Installation

1. The B-Lok is pressed into the receiving hole, during which process the segments bend inwards.
2. When inserting the screw, the segments resume their original shape, in which process the external profile becomes anchored in the hole wall. The residual tension acts to lock the screw in place.

In the case of small-scale series, the B-Lok is embedded with a simple manual levering device (possibly a small press or drill at a standstill).

For large series: Single or multiple installation machines on request.

Selection of the correct B-Lok type:

Material	B-Lok	Works Standard	Page
Thermoset plastic	-MV or -E	812/815, 830/831	18, 19
Duroplastic	-R	841	20
PU/PUR-foam	-R, -MV or -E	841, 812/815 830/831	20, 18, 19
Wood	-F or -E	821/823, 830/831	19
Through holes in laminate materials or side walls	-RK	842	20

We recommend practical testing.

All table values apply only if the screw is inserted to at least 50% of its length in the threaded insert.

