

Thread inserts

Threaded inserts of high quality, installed after the casting or shaping process, can save a lot when it comes to raw material, machinery time and quality control. Threaded inserts are favourably used where previously thread-cutting or thread-shaping screws were used. Threaded inserts reduce the problem with brittle materials. When installing a screw directly into plastics the threads are worn due to repetitive assembly. This results in repairs and unnecessary costs.

Assembling threaded inserts after shaping or casting can reduce machinery time, and you avoid risk of tool damages that can arise due to dropping or misplaced details to be casted.

No cleaning is necessary due to that no plastics can flow into the threads.

No misplaced inserts will reduce the quality costs.

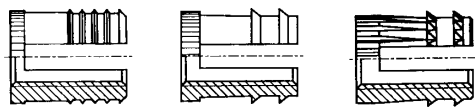
Assemblage of threaded inserts is easy to automatize.

- Threaded inserts can be used for steel, light metal, plastics and wood.
- Threaded inserts are available manufactured from steel, stainless steel and brass.

Threaded inserts are available on the market in several different performances. The aim with threaded inserts is to receive a good thread in material with low strength. Large fields of application are in the plastics, wood and metal industry.

Below follow some examples of threaded inserts.

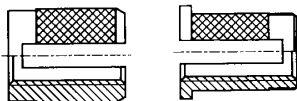
B-Lok Self-locking threaded insert



MV
812 - 815

F
821 - 823

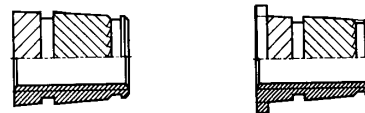
E
830/831



R
841

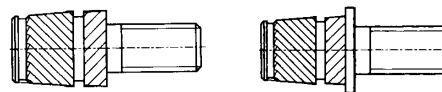
RK
842

S-Lok Heat or ultrasonically assembled threaded insert



853 I

855 I



858 I

859 I



860

862

Mubux Pressed in threaded insert stud



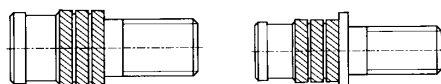
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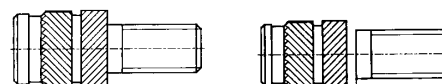
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867

Thread inserts

B-Lok®

Dimensions: It is available in M2-M18.

Material: Brass.

Field of application: Thermoplastics.
Duroplastics.
PU/PUR-foam.
Wood.

1. B-lok is pressed into the retaining hole.
The insert collapses due to the slotted feature.
2. When the screw is turned in, both segments return to their former position. The outer profile is anchored to the hole. The screw is kept in place by the expansion torque.

For lower volumes B-lok is embedded by a simple manual press (or drill). For higher volumes single or multiple tools are available on request.

B-lok is an insert with different outer profiles, which allow optimal anchoring in all molded plastic parts.

Mubux-A®

Dimensions: It is available in M2-M18.

Material: Brass.

Field of application: Duroplastics.
Thermoplastics.

Insert the Mubux-A insert with the pilot end facing downwards into the receiving hole and then press in using a lever assembly or a small press. Do not knock in Mubux-A using a hammer.

With Mubux-A outstanding pull-out properties are achieved if it is inserted into the molded components immediately after removal from the mold, when the component has not yet completely cooled down.

Mubux-A has also proved very satisfactory in some duroplastic materials where it is embedded using ultrasonics.

S-Lok®

Dimensions: It is available in M3-M10.

Material: Brass.

Field of application: Thermoplastics.

S-Lok is a threaded insert or a stud, with two bands of opposing herringbone knurl and a pilot end for problem-free insertion.

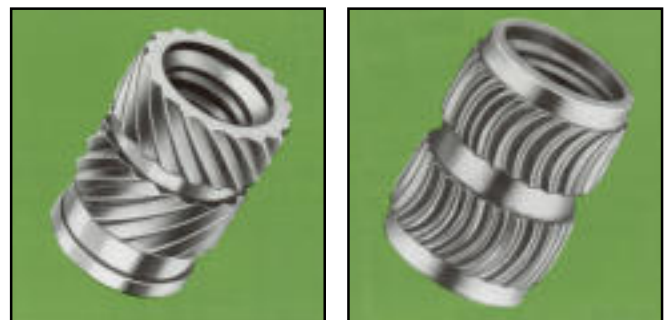
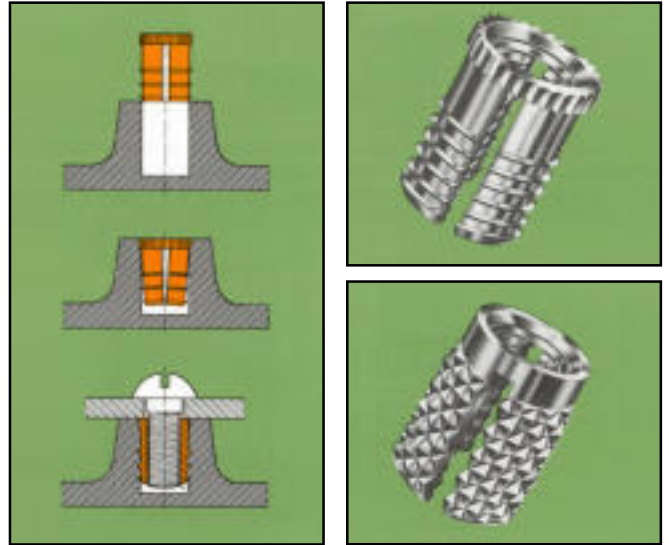
Its unique shape, which is tailored to the material, has been developed specifically for insertion into plastic components by means of ultrasonic vibration or by thermal heat transfer.

Well known manufacturers of ultrasonic welders recommend S-Lok due to the low energy requirement, the short insertion times and the problem-free production. It is suitable for all molded components made from thermoplastics.

B-Lok Self-locking threaded insert.

Product facts:

- Unsurpassed quick installation.
- Automatic locking prevents loosening.
- Saves costs for additional locking features.



Source: Kerb-Konus.