



## BaerFix® - Thread Inserts with cutting slots, self-tapping

BaerFix Thread Inserts have a conical lead with cutting slots on the metric external thread. They are designed to cut their own threads as they are being driven into a drilled hole (self-tapping). This provides a secure and high-strength anchor. BaerFix for creation of wear-free, vibration resistant screw joints with high loading capacity in materials with low shearing strength.

### Large effective shearing surface

The BaerFix Thread Insert has a large effective surface, so ensuring a higher degree of pull-out strength, i.e. an M 5 is often sufficient instead of a cut M 6 thread.

### Flange Cover

In a workpiece made of a light alloy, the BaerFix Insert achieves almost maximum pull-out strength with only 30 % flange cover.

### Pull-out Strength

A BaerFix Thread Insert is capable of withstanding high loads. When used in light alloys, for example, a degree of pull-out strength is achieved which far exceeds the yield strength of a screw 8.8.

### Minimize Weight & Space

Weight saving is unmatched - an important design feature for many products, particularly airborne equipment. Space saving is maximised, permitting the use of standard boss configurations with oversize boss requirements - as is necessary to accommodate solid bushings. A boss radius equal to the nominal bolt size is adequate for most load conditions.

### Corrosion Resistance

The superior corrosion resistant characteristics of BaerFix inserts assure their adaptability to most materials and usual environmental conditions.

### Minimize Total Cost

Overall production cost savings may be realised by using a less expensive material and still maintain the required thread strength with BaerCoil inserts. Costs savings apply in many directions - lower insert cost, lower installation costs and smaller bosses all produce savings.

### Quality and Reliability

Stringent Quality Control is rigorously enforced in all phases of manufacturing.

### Applications

The BaerFix is used throughout the whole of the metal and plastics processing industry. Mainly automotive industry, plants and equipment construction, electrical and laboratory supplies and military applications.

### Materials

BaerFix Thread Inserts are mainly manufactured in following materials:

- Case-hardened Steel, zinc-plated, yellow chromated
- Brass
- Stainless Steel 1.4105
- Stainless Steel 1.4305

Other materials and surface treatments on request.

### Compatibility

BaerFix inserts are manufactured according to tolerance ISO 2768-m. BaerFix products are compatible with thread inserts and tools from other manufactures.

### Further product range - on request

- BaerFix Thread Inserts with cutting holes, self-tapping
- BaerFix Thread Inserts with hexagonal socket, self-tapping
- BaerFix Thread Inserts for cold installation

- BaerFix Thread Inserts for heat installation
- BaerFix Thread Inserts for ultrasonic installation
- BaerFix Thread Inserts for screwing into a threaded hole
- Custom-made thread inserts (detail drawing or samples)