



Wire Thread Inserts



Wire thread inserts are simple in their construction but ingenious in their application. The repair of defective threads are through Recoil wire thread inserts no longer a problem. Additionally they offer the possibility to create a new Con-

struction horizons when dealing with lightweight materials. We solve your problem with millimeter accuracy, independently on the number of pieces.

We would be happy to advise you!

Use of Recoil wire thread inserts

Recoil wire thread inserts are high quality precision inserts, formed from steel wire with a diamond-shaped cross section. The inserts are used for repairing and strengthening damaged threads or for strengthening new threads.

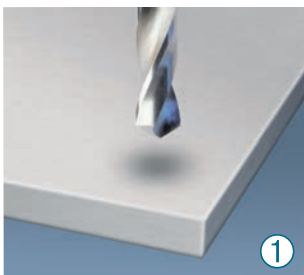
The thread inserts are suitable for a various applications and industries. For example Aerospace, maintenance, industrial manufacturing and automotive/ motorcycle parts. Mainly used is Stainless steel 1.4301, but the inserts made of Inconel X750, Nimonic 90, phosphor bronze, stainless steel 1.4571, Nitronic and many more are also available from stock. The Recoil inserts are available with metric and imperial threads.



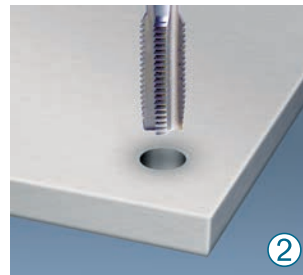
Advantages:

- ✓ Quick and easy repair of damaged thread
- ✓ Thread with high resilience
- ✓ Original thread size remains intact
- ✓ Cost-effective solution to maintenance and repair
- ✓ More resilient than the original thread

Functionality



The first step is to drill the material or the existing threads.



In step two in the new hole will be cutting a thread with the thread tap.



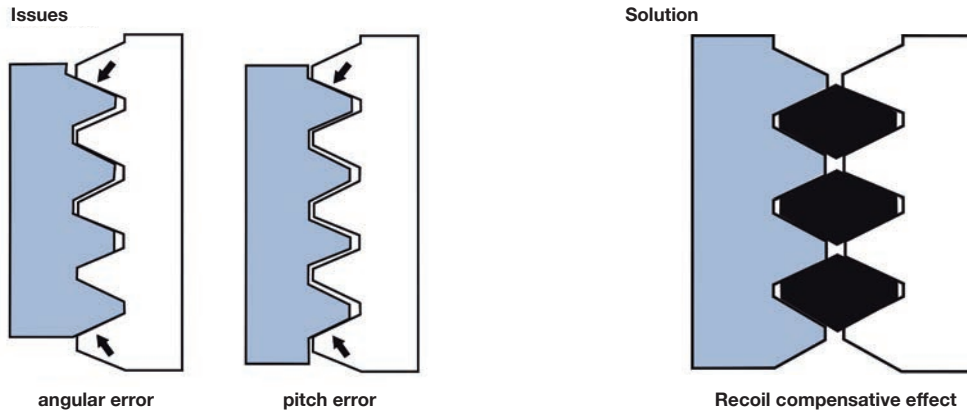
Now in the third step, the recoil wire thread insert will be screwed with the screwing tool.



In the last step the cone will be broked off by the Pin-breaker.

Strengthening of threads

With using Recoil wire thread inserts it is allowed to select connecting elements, based on the minimum Bolt thickness with smaller diameters and shorter thread lengths, even in softer materials such as magnesium alloys (AlMg), aluminum alloys (AlZn) or zinc die-cast.



Thread fault and angular errors lead to:

- limited contact points
- too small pitch contact
- uneven load distribution
- fail of the thread under heavy pressure

Recoil inserts balance pitch and angular errors, it provides:

- higher resilience of the thread
- more load ballance
- evenly load spread over the cutted thread
- reduced tension concentration and thus increase the lifecycle

Thread-repair kits

Recoil offers a complete range of repair kits for every problem. Available as range sets, standard sets and as a "Pro-Series" set with drillsn taps and inserts in different length.



Recoil installation tools

Recoil tools provides for a easy and safe installation and can be used for all applications.

Please, send me more informations about Recoil Wire thread inserts:

Company: _____

Contact Person: _____

Department: _____

Street: _____

Zip-Code / City: _____

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