

Delivering positive-locking performance.

The Recoil system consists of precision inserts, quality high speed taps, and easy-to-use installation tools which are used for repairing damaged screw threads or creating strong new threads. Recoil helically wound screw-thread inserts are generally manufactured from Type 304 (18-8) stainless steel wire cold rolled into a diamond shaped cross section. Recoil inserts can be supplied in other materials such as Inconel X750, Inconel 625, Nimonic 90, Nitronic 60, Phosphor Bronze and Type 316 stainless steel.

Recoil inserts are available in either standard free running form or screw lock type which provides an internal locking feature. Inserts are manufactured for every thread form including UNC, UNF, BSC, BSW, BSP, BSF, BA, NPT and ISO Metric thread sizes. Inserts are available in 5 different standard lengths. 1D, 1.5D, 2D, 2.5D and 3D. Special lengths are available on request.

Types of Inserts



Free-Running Inserts

The standard Recoil free-running insert provides for easy installation of a female thread, delivering the necessary holding power for most applications. Various sizes available.

Screw-Locking

For particularly demanding or extreme high-vibration applications, Recoil offers a screw-locking design, which provides a superior locking function in the female thread. Various sizes available.



Tangless® Designs

Ideal for a wide range of OEM applications, Recoil Tangless® inserts provide peace-of-mind by eliminating the possibility of foreign objects (the tang) being left behind in the final assembled product. Various sizes available.