

Recoil Pro XL Thread Repair Kits

To watch our installation demo video visit [afsindustrial](https://www.afsindustrial.com) on YouTube.
For more information on any of our Recoil products visit www.afsrrecoil.net



Everything You need for complete thread repair in one handy box



Kits Contents:

- 6 Wire Thread Inserts, 1.5D Length
- 1 STI HSS Intermediate Tap
- 1 Installation Tool

Thread form and Size	RS Kit Part Number	Recoil Part Number	Replacement Pack RS Code	Replacement Pack Recoil Code	Inserts In Pack
UNC 5/8-11	RS244-8353	33108		23103	5
M16-2	RS291-868	35168	RS291-903	25163	5
M20-2.5	RS291-874	35208	RS291-919	25203	5



Installation Tool

The installation tool has been designed to accommodate a tap holder in the handle, so the same tool can be used for two functions in the thread repair process.



STI Tap

Screw Thread Insert (STI) taps are special taps specifically used to prepare holes for installation of wire thread inserts.

Recoil inserts are formed from high quality stainless steel wire with a diamond shaped cross section, wound to the shape of a spring thread. Once the wire is wound into a helical coil and installed into a tapped hole, it provides a permanent and wear resistant thread in the parent material that is generally stronger than the original thread. The inserts are designed to be greater in diameter than the tapped hole and compress as they are installed. This allows maximum surface contact area with the tapped thread, safely and permanently anchoring the inserts into place. The insert's compensatory action shares the load over the entire bolt and hole, increasing pull out and torque out strength. With a Recoil insert in place, load and stress are more evenly distributed over the assembly.

<i>Information shown in mm</i>	UNC	Metric	
	5/8-11	M16-2	M20-.25
Free coil Dia. Min.	18.85	18.35	23.55
Free coil Dia. Max.	19.48	19.6	24.4
Number of coils (+/- 0.25)	8.5	9.6	9.875
Nominal Length	23.8	24	30

Insert Material Type: Stainless 304
Max Temperature: Peak 425 C (800 F) Continuous 315 C (600F)