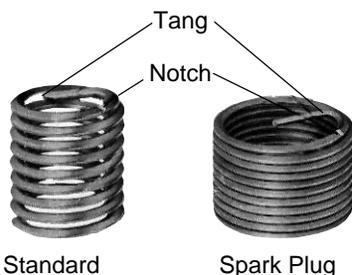




The HeliCoil® Thread Repair System is the most effective and universally accepted method of thread repair. It quickly, easily and permanently restores stripped, worn, or damaged threads to original condition.

HeliCoil Thread Repairs make all other thread repair methods obsolete, eliminating welding, plugging, oversize fasteners and oversized drilling of mating parts. Out-of-service parts can be restored instead of replaced, reducing service delays and customer complaints.

### HeliCoil Stainless Steel Inserts



HeliCoil Thread Repair Inserts are precision-formed thread liners made of coiled 18-8 stainless steel wire. When installed into HeliCoil-tapped holes, they permanently conform to the size of the original thread.

Two types of inserts are supplied with the products listed in this catalog:

1. *Standard*, free-running type for all Inch Coarse, Inch Fine, Metric Coarse and Metric Fine thread sizes.
2. *Spark Plug*, for all spark plug port thread sizes.

Both inserts feature an installation tang which is notched for easy removal.

### HeliCoil Taps



The standard HeliCoil tap supplied for Inch and Metric size applications can be attached to a tap handle and used like a conventional tap.

Spark Plug taps feature pilot threads, a reamer section and tap combination. No drilling of worn out threads is required.

### HeliCoil Installation Tools



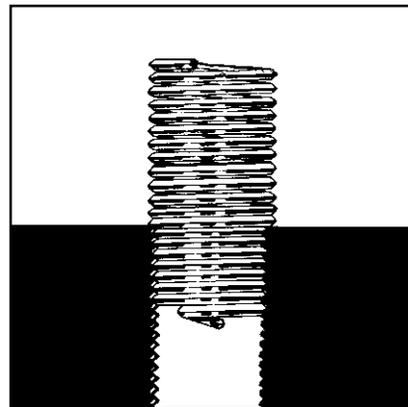
Standard Type

Prewinder Type

The standard HeliCoil tool is used for installing Inch Coarse and Metric Coarse sizes.

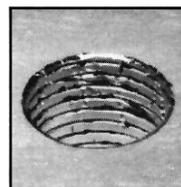
A prewinder attachment is provided for some Coarse, all Fine, and Spark Plug sizes.

### Retention Principle

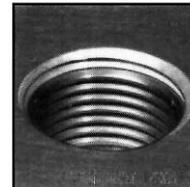


HeliCoil Stainless Steel Inserts are designed in the free state to be larger than the tapped hole. After installation, they expand with a spring-like action, which permanently anchors the insert in place against the tapped hole. No staking, locking, swaging, keying, or interference fits are required.

### Performance/Reliability



Stripped



Fixed

HeliCoil Thread Repairs can be used in any material: Cast iron, steel, copper, brass, bronze, aluminum, magnesium, plastics, and wood. After installation, they never shift, wear, or spin out. Stripping, fatigue, corrosion, cross-threading, and seizing are eliminated. HeliCoil Thread Repairs provide freedom from wear after repeated assembly and disassembly.

More  
**HeliCoil**

Information  
on page C218.

HeliCoil Product  
listings on following  
pages C219 to C228.