

powercoil®

wire thread insert system



PowerCoil Thread Repair Kits include a Premium Quality HSS Tapping Drill and Bonus Inserts*

M2 – M12 (1/8" – 1/2")
PowerCoil Thread Repair Kits include all the necessary components to successfully repair damaged threads. Kits include Drill, STI Tap, Inserts, Installation Tool and Tang Break-Off Tool.

The PowerCoil Wire Thread Insert System includes a complete range of over 140 Thread Repair Kits; Free Running & Screw Locking inserts; Strip Feed Inserts; STI Hand & Machine Taps; Installation, Tang Break & Removal Tools.



SPARK PLUG REPAIR KITS

Include Pilot Nose Tap & Spark Plug Inserts

wire thread insert system features & benefits

- Lighter and Cheaper than any other equivalent type of thread insert.
- Can generally be introduced into existing designs where no previous provision has been made.
- Increase quality and performance whilst reducing overall product cost.
- Their introduction may result in the use of thinner sections or lighter parent materials without sacrificing thread strength.
- Create internal threads with greatly improved distribution of residual stress loading
- Compensate for pitch and flank angle errors
- Create internal threads in which wear due to thread friction is virtually eliminated.
- Providing threads that stay tight.

merchandising and marketing benefits

- **Sold to Distributors Only**
- **Tough and Good Looking** – Clean, modern, slim-line design of robust construction.
- **Stackable** – Subtly integrated feet interlock top and bottom of cases for secure vertical stacking.
- **Full Color Label** – In protective recess on front of box for strong in-store presence. Instruction label included on inside of lid to aid user. Rear identification label also included on base of case for warehousing and product coding.
- **Flexible Rubber Tool Holder** – This provides a neater overall kit appearance, and prevents tools from rattling around inside the box.
- **Hanger Slide Latch** – Locks the lid positively and easily, with integrated hang point for in-store display.
- **Insert Storage** – Internal ribs prevent inserts from moving to other areas of the box. "Exit Ramps" to assist in removal of smaller inserts from compartments.
- **Competitive and Same Day Shipments!**



*Spark Plug Thread Repair Kits are supplied with an STI Pilot Nose Tap and do not include an HSS Tapping Drill. Thread Repair Kits over M12 (1/2") and BSP kits do not include a HSS Tapping Drill.



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Loksert[®]

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Loksert solid keylocking inserts are used to repair damaged or worn out threads or to create new threads in original equipment.

Loksert keylocking one piece inserts are available in carbon steel and stainless steel in both metric and inch sizes.

The Loksert solid keylocking insert utilizes locking keys which provide a positive mechanical lock into the threads of the surrounding base material. The resulting thread is resistant to rotation due to vibration and torsion. Loksert solid keylocking inserts require no special drills or taps.



solid keylocking insert system features & benefits

- Solid, one-piece insert provides a high degree of pull-out strength.
- Keys provide a positive mechanical lock preventing rotation.
- Simple installation and removal.
- Installed using standard drills and taps.
- No prewinder or expensive installation tools required.
- No tang to break off.
- Available in carbon steel and stainless steel.
- Suitable for use in a wide variety of materials.
- Also available in MS/NAS Standards.

solid keylocking insert system installation instructions



1 DRILL

Drill to clear the damaged thread with a standard twist drill. Chamfer the hole with a standard countersink (82° - 100°)



Note: Drill is oversize to accommodate external thread. Check technical charts for correct drill sizes.

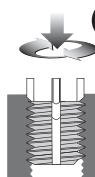


2 TAP

Create new thread using a standard tap. Check technical charts for correct tap size.



Note: Use of a suitable lubricant is essential during all tapping procedures.



3 INSERT

Screw the insert into the threaded hole until slightly below the surface of the parent material.



4 DRIVE

Select the correct size installation tool and place over the insert. Drive locking keys down using several hammer taps on end of installation tool.



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