

Technical Information

V-COIL Thread repair



V-COIL
THREAD INSERT SYSTEM ■ ■ ■

Drilling

Clear the damaged thread with a Standard Drill. Up to M 12 (1/2") the KITS include the correct drill. To repair a spark plug thread no pre-drilling is necessary if using the special Spark Plug Tap. Please pay attention that for Fluteless Taps bigger holes are required.

Check

Check that thread and pitch of the tap and the bolt match.



Tapping

Use the special V-COIL-Taps for cutting the holding thread into the cleared hole. It is recommended to use a suitable cutting oil.



Install the insert

Place insert on Installation Tool and position the adjustable ring so that the insert tang is centred in the tang slot. Wind the Insert in with a light downward pressure until a half turn below the surface. Don't work against thread direction as the tang could break.



Tang removal

After finishing lift the Installation Tool and use the Tang Break Tool to remove the tang. For bigger sizes and Spark Plug Taps use Long Nose Pliers to remove the tang. Due to the narrow and exact tolerances the new thread normally is stronger than the original one.



Application:

Thread Armour Plating. For material with low shear strength eg. aluminum-alloys and magnesium alloys. Used in machine-building, electrical, automotive medical and aerospace industries.

Thread Repair of damaged or worn-out threads.

Recovery of rejected items.