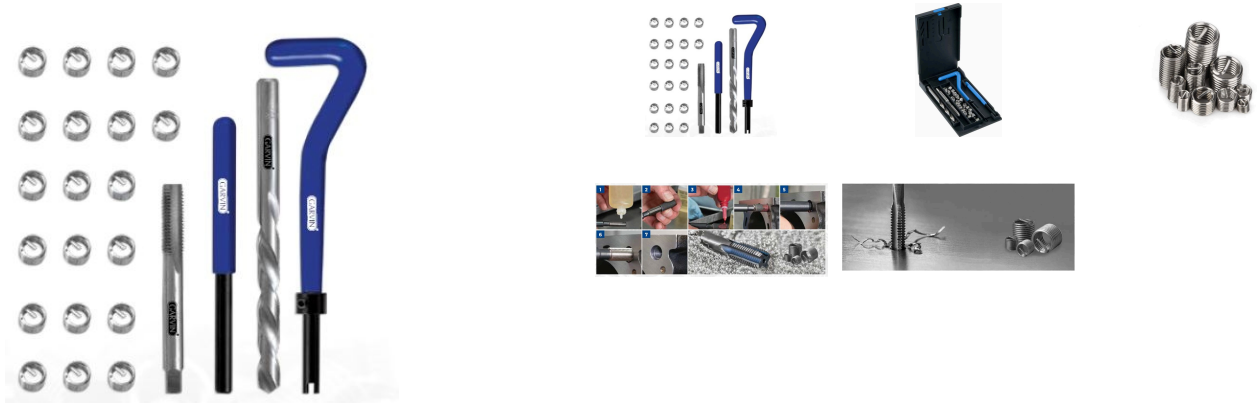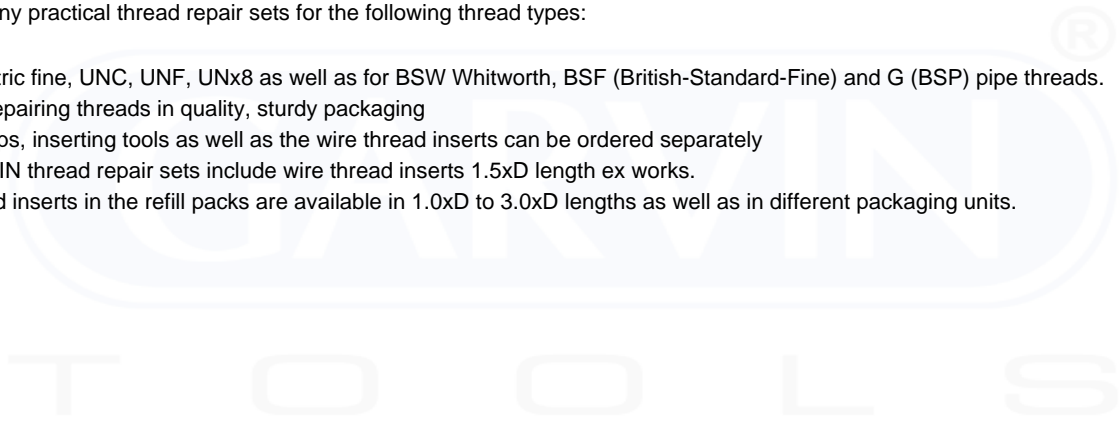# THREAD REPAIR KITS - BSF

GARVIN offers many practical thread repair sets for the following thread types:

- Metric, metric fine, UNC, UNF, UNx8 as well as for BSW Whitworth, BSF (British-Standard-Fine) and G (BSP) pipe threads.
- Tools for repairing threads in quality, sturdy packaging
- The STI-taps, inserting tools as well as the wire thread inserts can be ordered separately
- The GARVIN thread repair sets include wire thread inserts 1.5xD length ex works.
- Wire thread inserts in the refill packs are available in 1.0xD to 3.0xD lengths as well as in different packaging units.

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CAT NO.	HSS HELICAL TAPS	HSS TWIST DRILL	INSERTION TOOL	TANG BREAKER	NO. OF INSERTS
GTR-2149	3/16"X32	5.0 mm	NO.7	NO.6	20
GTR-2150	1/4"X26	6.6 mm	NO.9	NO.9	20
GTR-2151	5/16"X22	8.3 mm	NO.11	NO.11	20
GTR-2152	3/8"X20	9.9 mm	NO.13	NO.13	15
GTR-2153	7/16"X18	11.5 mm	NO.14	NO.14	10
GTR-2154	1/2"X16	13.0 mm	NO.15	NO.15	10
GTR-2155	9/16"X16		NO.16		10
GTR-2156	5/8"X14		NO.18		10
GTR-2157	3/4"X12		NO.20		5
GTR-2158	7/8"X11		NO.22		5
GTR-2159	1"X10		NO.23		4

How to Use

How to Use GARVIN Tools Thread Repair kit

A thread repair kit is a valuable tool used to restore damaged or stripped threads in various materials, such as metal, plastic, or wood. It helps in making the threads functional again. The most common type of thread repair kit is a helicoil or thread insert kit. Here's how to use it:

Materials You'll Need:

- Thread repair kit (helicoil or similar)
- Appropriate drill and tap for the kit
- A drill or tap handle
- Luicating oil
- Calipers or a thread gauge
- A wrench or socket for the kit's installation tool
- Safety gear like safety glasses and gloves

Step-by-Step Instructions:

1. **Assess the Damage:** Examine the threaded hole or fastener to determine the extent of the damage. Make sure you have the correct thread size and pitch information for the repair kit you are using.

2. **Prepare the Work Area:** Ensure the workpiece is securely clamped or held in place. Clean the damaged threads thoroughly, removing any deis or contaminants.

3. **Select the Correct Kit:** Choose the appropriate thread repair kit based on the thread size and pitch of the damaged area. The kit should include thread inserts, a tap, and an installation tool.

4. **Drill the Damaged Hole:** Using a drill with the correct size as specified in the kit, drill out the damaged threads. The hole should be deep enough to accommodate the length of the thread insert.

5. **Tapping the Hole:** Use the tap from the kit to create new threads in the drilled hole. Apply luicating oil to the tap to reduce friction and ensure a smooth process. Be sure to tap the hole straight and to the correct depth.

6. **Insert the Thread Repair Coil:** Thread the repair coil onto the installation tool included in the kit. Place a drop of adhesive or locking compound (if provided in the kit) on the coil. Insert the coil into the newly tapped hole, using the installation tool to screw it in. Ensure that the top of the coil is slightly below the surface of the workpiece.

7. **Break Off the Tang:** Most thread repair kits have a tang on the end of the coil. After installation, use a punch and a hammer to eak off this tang, allowing the coil to sit flush with the surface.

8. **Check the Repair:** Use a thread gauge or the appropriate fastener to verify that the repaired threads match the original ones.

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9. **Reassemble:** Once you are confident that the repair is successful, reassemble the parts using the appropriate fasteners and torque specifications.

Thread repair kits are effective in restoring damaged threads and can save time and money compared to replacing an entire component. Be sure to follow the instructions in the kit carefully and take your time to ensure a proper repair.