



# How to Replace Helicoil on Reliance Base

**User Manual**

, Rev. ,

**ADB**   
**SAFEGATE**

# How to Replace HELICOIL on Reliance Base

## Required Tools & Equipment

| Tool                                     | Product Image                                                                        | Part Number                         |
|------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------|
| HELICOIL® manual extracting tool         |     | For metric: Art.no.: 01803010000/10 |
| HELICOIL® manual tap                     |     | For metric: Art.no.: 01400100104/10 |
| Tap holder                               |   |                                     |
| Plug gauge for HELICOIL® holding threads |  | For metric: Art.no.: 01473100500/10 |
| HELICOIL® manual installation tool       |   | For metric Art.no.: 01500410000/10  |
| HELICOIL® tang break-off tool            |   | Art.no.: 01580405000/10             |

| Tool                                   | Product Image                                                                     | Part Number                         |
|----------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|
| HELICOIL® Plus Screwlock thread insert |  | For metric: Art.no.: 41320100015/10 |
| Hammer                                 |                                                                                   |                                     |

### Using the Right Fixing Hardware



### WARNING

Only use fixing hardware from the same type as the one originally supplied with the base or adapter ring!

Since mid-2006, the shallow bases supplied by ADB Safegate include an indication of the type of thread on the bottom or flange of the base.



### Changing the Helicoil

| Step | Action                                                                                                                                                                                                                                                                                          |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Place the HELICOIL® manual extracting tool into the HELICOIL® you want to replace. Apply pressure while turning the tool counterclockwise. The HELICOIL® should turn with the tool and get out of the base.                                                                                     |
| 2    | Use the HELICOIL® manual tap with the tap holder to clean the thread. Clean the threaded hole with pressurized air.                                                                                                                                                                             |
| 3    | Check that the thread is correct with the gauge made for HELICOIL® retaining thread. <div>   </div> <div> GO NO GO </div> |

| Step | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4    | Take a new HELICOIL®, make sure it is the correct type. In metric reliance base, the HELICOIL® is HELICOIL® Plus Screwlock thread insert M10 1.5d length.<br>Insert the HELICOIL® into the HELICOIL® manual installation tool.                                                                                                                                                                                                                                                                                                                                 |
| 5    | Insert the HELICOIL® with the installation tool into the threaded hole turning clockwise.<br>Stop when the HELICOIL® is approximately one thread below the surface.                                                                                                                                                                                                                                                                                                                                                                                            |
| 6    | Turn the installation tool counterclockwise to remove it.<br>Break the tang of the HELICOIL® with the HELICOIL® tang break-off tool and the hammer.<br> <div><b>IMPORTANT</b><br/>Make sure the tang is correctly broken. If not, the bolt would deform the HELICOIL® damaging its own thread.</div> <div>If you can, remove the broken tang with pressurized air or long-nose pliers.</div> |
| 7    | After replacing the Helicoil(s) and removing the tang, the light fixture is ready for reassembly. <div><b>CAUTION</b><br/>Ensure that all used gaskets and screws are replaced with new ones before proceeding.</div>                                                                                                                                                                                                                                                       |

# Empowering the Airside **Evolution**

SMARTER. BETTER. **NOW.**

