



Damaged implant removal

Challenges and solutions

Tasks

1 Destroyed coupling mechanism

Insert conical extraction bolt (a) in screw head and try to remove screw

2 Broken screw removal procedure

Remove bone around screw and, at the same time, extract the screw with the hollow reamer (b)

The debris accumulating inside the tool needs to be removed frequently.

Learning outcomes

- Identify the function of different instruments to aid screw removal
- Remove screw with destroyed coupling mechanism
- Remove broken screw

Take-home message

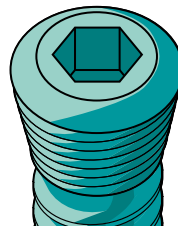
- Use undamaged screw driver
- Clean hexagonal coupling mechanism of screw head
- Do not use a power drill

Problem 1

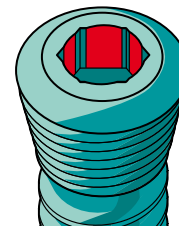
Destroyed hexagonal coupling mechanism of screw head



a



Intact



Destroyed

Problem 2

Broken screw, screw shaft stuck inside bone



b

