





PROTOCOL

Screw extraction kit





Precautions for use: the extractors are made of tungsten carbide.
Disinfection: by sodium percarbonate, chlorexidine digluconate, or similar.
!! WARNING: do not use any product containing aldehyde!!
During sterilization do not use the autoclave for the extractors.
COLD STERILIZATION ONLY

Description & Benefits

The screw extraction kit exists for both octagonal connection  and Morse Taper connection  implant ranges and can be used in order to remove fractured abutment screws.

Do not use the guide if only the screw head connection is no longer functional.

The extraction kit contains:

- a spiral extractor drill
- an inverted claw extractor
- a screw extractor guide  

Screw extraction kit

Components and accessories

Spiral extractor drill



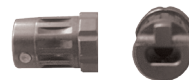
Inverted claw extractor



Screw extractor guide









Universal adapter

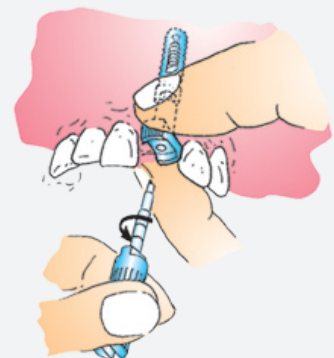


Product code: A-MAC070

Manual use

Remove the screw manually with the inverted claw extractor.

-  Insert the inverted claw extractor in the A-MAC070 universal contra-angle to TBR torque wrench adapter.
-  Insert the corresponding guide (M or 8) in the implant connection.
-  Make sure that the entire connection of the guide has been inserted.
-  Insert the inverted claw extractor in the guide until it reaches the screw.
-  Rotate manually anti-clockwise (the inverted claw).
-  After a few rotations, the screw should stick to the claw and be removed from the implant.



Contra-angle use with irrigation and a torque of minimum 50 N.cm (green ring)



1 Insert the M or 8 guide in the implant connection and make sure it has been fully inserted. Hold firmly between your fingers.



2 Insert the inverted claw extractor set on the contra-angle in the 8 or M guide with the micromotor off until it reaches the screw.



3 Push firmly then turn on the contra-angle **anti-clockwise** at low speed (30 to 50 rpm).

Use of the spiral extractor drill with irrigation (blue ring 1:1)

In some cases, when it is impossible to remove the screw with the inverted claw extractor, the spiral extractor drill set on a contra-angle should help.

Warning:

Before use, it is recommended to always fill the guide with solid vaseline. It will lubricate and help remove the screw.

- Before turning the contra-angle on, make sure the spiral extractor drill touches the screw.
- The rotations of the spiral extractor drill should not be inferior to 8000 rpm, nor exceed 10000 rpm, ANTI-CLOCKWISE ROTATION, applying gentle pressure. [do not press down on the drill]. The sharpening of the drill and the rotation speed are sufficient to penetrate the screw without effort. After having penetrated the screw on approximately 1 mm, use the inverted claw as described above. If the screw will not come off start the operation again.
- After removing the screw, it is necessary to clean the interior of the implant.