MEDENTiKA® Rescue-Kit
Removal instruments

MPS
Multi Platform Systems

RESCUE-KIT

MEDENTiKA®
A Straumann Group Brand
The Rescue-Kit from MEDENTiKA® is a set of instruments designed to remove broken abutments and abutment screws.

**Product Overview**

**Abutment removal:**
- **Loosening tool**
  - The loosening tool is used to loosen an abutment that has become wedged in the conical implant connection.

**Abutment removal:**
- **Abutment remover**
  - The abutment remover is used to remove an abutment that has become stuck in an implant connection.

**Screw removal:**
- **Screw remover**
  - The screw remover is used to remove a broken abutment screw in the internal thread of the implant.

**Screw removal:**
- **Drilling with the left-handed drill**
  - If it is not possible to remove the broken screw with the screw remover, there is the option of drilling out the residue of the screw from the implant with the left-handed drill.

**Instrument overview**
**Loosening tool**  
for fixed abutments

The abutment screw must be fully screwed out of the internal thread of the implant and then removed from the abutment.

Insert the short angled end of the loosening tool in the abutment screw channel until it is securely seated in the end position.

Release the fixed tapered connection with moderate pressure and circular movements.

**Abutment remover**  
for broken abutments

The abutment screw must be fully screwed out of the internal thread of the implant and then removed from the abutment.

Guide the end of the abutment remover into the abutment screw channel until the disc of the abutment remover reaches the end of the implant connector of the abutment.

Then move the abutment remover to the side to hook the disk under the wall of the front side of the implant connector.

Hook the crook into the loop of the abutment remover and tap on the implant to release the embedded abutment residue.
Screw removal

Remove the screw residue with the screw remover

Insert the guide sleeve

If necessary, first remove the restoration and check if there is any residue in the internal thread. Then position the guide sleeve in the end position of the implant connector. Check that the guide sleeve is properly seated in the end position.

There is also an option to clip the holder onto the guide sleeve to hold it in the end position.

Screw remover

Guide the screw remover through the screw channel of the guide sleeve. This ensures that the screw remover is centered on the fracture of the screw residue. The tip of the instrument features 3 hardened spikes that grip the surface of the fracture of the screw residue when the screw remover is turned counterclockwise.

If feasible, we recommend exerting vertical pressure on the screw remover with the index finger of one hand while turning the instrument counterclockwise with the other. Repeat this procedure until you feel the thread pop up on the tip of your finger. This means that the screw residue has reached the uppermost thread of the implant.

Tweezers

In the last step, we remove the guide sleeve again and remove the screwed-out residue of the screw with tweezers.

The screw residue could not be removed

Drilling out the screw residue with the drill on page 8/9, image 1-4.

Note:
For safety reasons, when working in the oral region we recommend that all instruments used in the mouth are secured with a piece of dental floss so as to prevent the patient aspirating or swallowing a component of the instrument.
**Screw removal**

**Drilling with the left-handed drill**

**Depth marking of the drill**
Guide the drill into the drilling sleeve until it reaches the end position and mark the shaft of the drill with a waterproof pen.
Then connect the drill with the contra-angled handpiece.
Then you can clip the holder onto the drilling sleeve to hold it in the end position.

**Drill (left-handed)**
Insert the drilling sleeve into the implant connector and check that it is properly seated.

Note: The drilling sleeve ensures that the left-handed drill is centered on the screw and that the drill is properly aligned during drilling. Guide the drill into the drilling sleeve.

NB: The marking should still be clearly visible.

Proceed with drilling. Please note the drilling instructions. The drilling process is complete when the marking is again flush with the drilling sleeve.

NB: The maximum speed of rotation is 1000 rpm.
Adjust drill counterclockwise

**Thread cleaner**
If you feel resistance in the thread, it is restored with the thread cleaner. Connect the thread cleaner with the adapter ISO shaft. The thread cleaner must be inserted into the thread without great force.

Note: Proceed slowly when cleaning and only work manually. Rotate ½ a turn to the right and then back ¼ of a turn.
After 2 turns completely twist the thread cleaner out of the implant. The thread cleaner and the implant have to be rinsed with air-water spray. Repeat the procedure until you reach the end of the thread. At the end, completely twist out the thread cleaner and thoroughly rinse the implant. Then check that the implant is properly seated with an abutment and the corresponding screw or the gingiva former.

**Check internal thread**
After successful cleaning, check the internal thread of the implant for damage and functionality.
A gingiva former, for instance, can be used to check this. If it is possible to screw this in place and there is no resistance, the new screw can be screwed in place.

**Note on drilling:**
- Only drill with moderate pressure.
- Do not drill for longer than 5 seconds at a time.
- Rinse the area adequately during drilling to ensure that the implant is sufficiently cooled. This procedure has to be repeated several times.
- The drill and guide sleeve have to be regularly removed from the implant so that the drilling debris can be thoroughly cleaned away.
- As a general rule, excessive overheating of the implant should be avoided.

**Note:**
For safety reasons, when working in the oral region we recommend securing a piece of dental floss to the drilling sleeve to prevent the patient aspirating or swallowing a component of the instrument.
The product overview is designed to aid the correct selection and combination of the instruments required for the relevant implant connection.

**Rescue-Kit - Product Overview**

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*In combination with the Adapter ISO shank M 14
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*in combination with the Adapter ISO shank M 14
We are certified:
DIN EN ISO 13485
Medical Device Directive 93/42/EEC
Annex II

Technical changes and errors reserved.

You can find the Instructions for use and warranty conditions on the website www.medentika.com
More information on the warranty can also be requested directly from the manufacturer.

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We are certified:
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Annex II

CE 0483

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