

Dentium Help Kit



- Easy solution for critical problems which may occur the prosthetics process
- 5 tools in 1 kit (Screw Remover / Abutment Hex Remover / Screw Tap Repair
Fixture Remover / Cover & Abutment Screw Remover)
- Compatible with most (of the currently available dental implant products globally)
- Heavy duty and robust design with proven material

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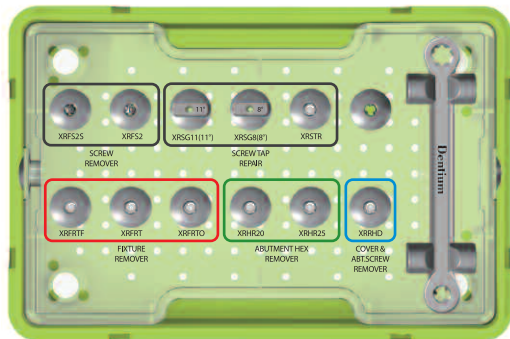
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Dentium Help Kit

- Easy solution for critical problems which may occur in the prosthetics process
- 5 tools in 1 kit (Screw Remover / Abutment Hex Remover / Screw Tap Repair Fixture Remover / Cover & Abutment Screw Remover)
- Compatible with most dental implant products globally available now
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Help Kit



Screw Remover



Abutment Hex Remover



Screw Tap Repair



Fixture Remover



Cover & Abutment Screw Remover



[Caution]

* Replace the tools with new ones once the threads are worn out

Screw Remover

[Application]

To remove the remaining screw when the abutment screw is broken inside the fixture.

[Advantage]

Easy to remove the broken screw, as well as protect the internal threads of the fixture from being damaged.

[Usage]

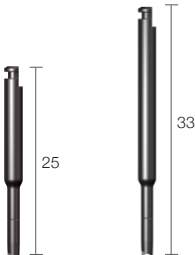
- 1. Set the torque of the implant engine to 30~50rpm in a CCW (counterclockwise) direction.
- 2. Assemble the tool with the handpiece.
- 3. Run the engine while keeping the tip of the tool appropriately contacted with the broken screw until successfully removed.

[Caution]

* Do not overload the tool with pressure; apply moderate pressure.

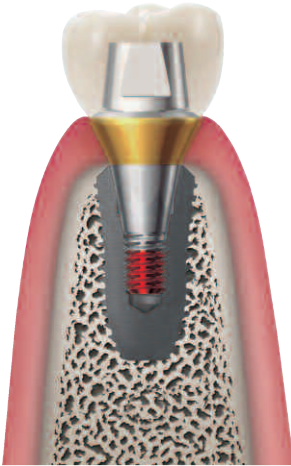
Screw Remover | Scale 1 : 1 / mm

L	Art. No
25	XRF S2S
33	XRF S2



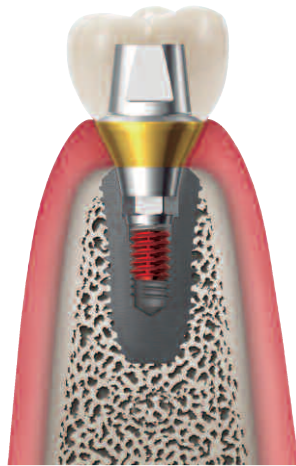
Manual

1.



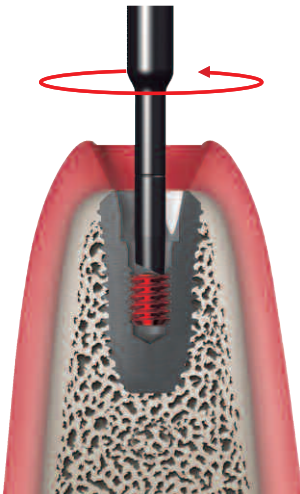
Combi abutment

2.



Dual abutment

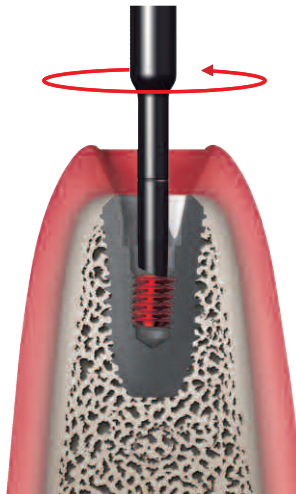
3.



Use the friction force of the tool rotating counterclockwise to remove the screw.

Handpiece torque mode : 30-50rpm / Reverse

4.



Allow the screw to gradually come out in a swaying motion.

Abutment Hex Remover

[Application]

To remove the remaining hex when the hex portion of an abutment is broken.

[Advantage]

Easy to remove the broken hex, as well as protect the internal threads of the fixture from being damaged.

[Usage]

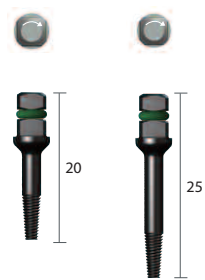
- 1. Insert the tool inside into the remaining hex hole of the fixture inside.
- 2. Assemble the ratchet with the tool and rotate it in a CW (clockwise) direction to lock the tool tip with the remaining hex.
- 3. Disengage the ratchet and remove the remaining hex by gently rocking the tool.
If necessary, the hole located in the upper portion of the tool may be used with the crown ejector (not included).

[Caution]

* Do not overload the tool with pressure; apply moderate pressure.

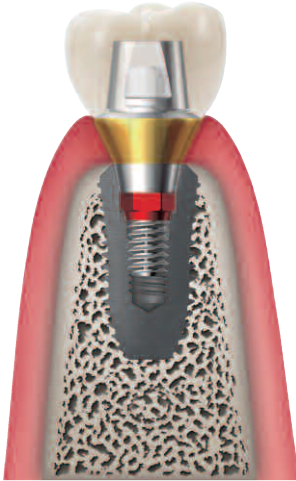
Abutment Hex Remover | Scale 1 : 1 / mm

L	Art. No.
20	XRHR 20
25	XRHR 25



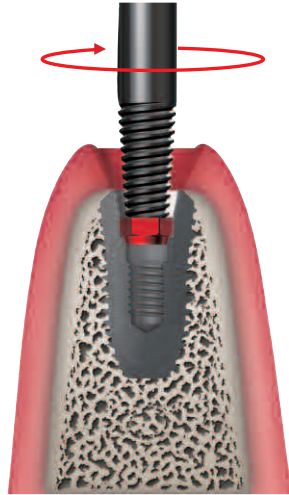
Manual

1.



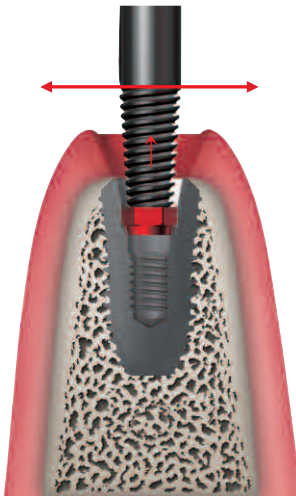
Dual abutment (Hex)

2.



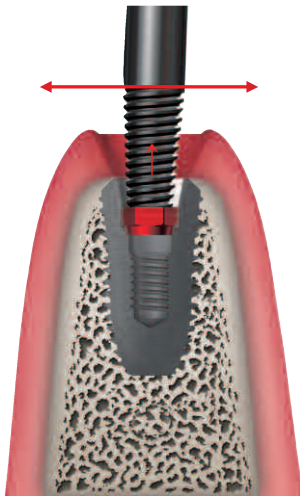
Rotate the tool clockwise so that the remaining hex gets tightly attached to the tool.

3.



Once the tool is tightly locked to the hex remnant, disengage the ratchet. Gently rock the tool until the hex is successfully removed.

4.



Screw Tap Repair

[Application]

To recreate the internal thread lines of the fixture when it is damaged.

[Advantage]

Easy to recreate the internal threads with the help of the guides corresponding to different internal angulation (8, 11 degrees) of the fixture.

[Usage]

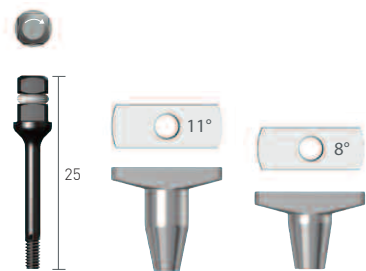
- 1. Place the guide with corresponding degree to the fixture.
- 2. Assemble the tap tool with ratchet.
- 3. Start tapping using the tap tool with appropriate torque.
- 4. If excessive debris accumulates, pause tapping and remove using suction.
- 5. Repeat steps 3 and 4 until completed.

[Caution]

- * Do not apply excessive torque onto the tap tool.
- * It is highly recommended to use the ratchet after the initial engagement of the tool and the internal threads.

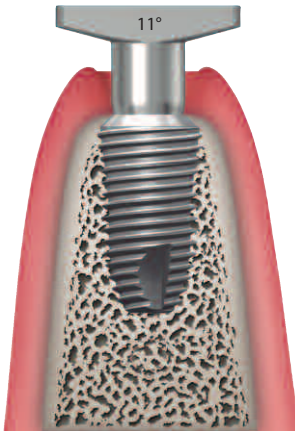
Screw Tap Repair | Scale 1 : 1 / mm

Type	Art. No.
Tap	XRSTR
11° Guide	XRSG 11
8° Guide	XRSG 8



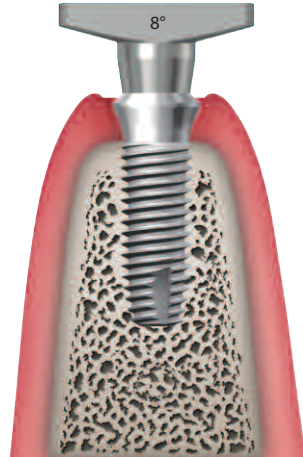
Manual

1.



IMPLANTIUM / SuperLine II

2.



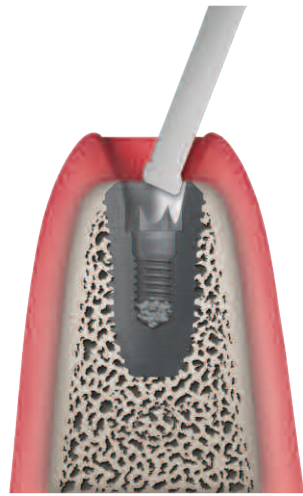
SimpleLine III

3.



Tap with the guide attached.

4.



Remove the tool and the guide to suction the debris.

*If excessive debris accumulates, pause tapping and remove using suction.

Fixture Remover

[Application]

To remove the fixture when critically damaged with no other recovery options.

[Advantage]

Easy to remove the failed fixture without causing damages to the adjacent bone

[Usage]

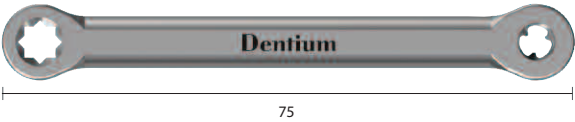
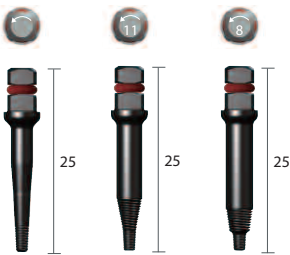
- 1. Assemble the tool with ratchet, and insert it into the failed fixture to be removed.
- 2. Gently rotate the ratchet in (a CCW direction until the tool is tightly locked into the fixture.
- 3. Continue to rotate the ratchet with more torque in a CCW direction until the failed fixture is completely removed.
- 4. Separate the tool from the removed fixture by rotating it in a CW direction. If necessary, use the wrench (included) to hold the fixture while rotating the tool with ratchet in a CW direction.

[Caution]

* Sufficient irrigation should be applied to the tool to prevent excessive heating during the procedure.

Fixture Remover | Scale 1 : 1 / mm

Type	Art. No.
Remover	XRFRTF
	XRFRTO
	XRFRTO
Wrench	XRFRW



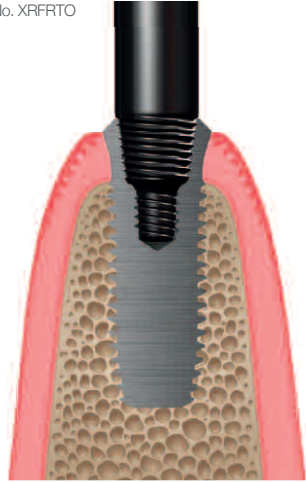
Manual

1. Art No. XRFRT



IMPLANTUM / SuperLine 11°

2. Art No. XRFRT0



SimpleLine II 8°

3.



Rotate the tool in a counterclockwise direction until it is tightly locked into the fixture. Continue to rotate with additional torque until the failed fixture is completely removed.

4.



Separate the tool from the fixture using the ratchet and the wrench that are included in the kit.

Cover & Abutment Screw Remover

[Application]

To disengage the cover screw, healing abutment and abutment screw from the fixture when the 1.28 hex on the head is damaged.

[Advantage]

Easy to disengage the cover screw, healing abutment and abutment screw with damaged hex.

[Usage]

- 1. Assemble the tool with the ratchet and place it over the damaged 1.28 hex of the cover screw, healing abutment or abutment screw that needs to be removed.
- 2. Gently rotate the ratchet in a CCW direction to tightly engage the tapered top of the tool into the damage 1.28 hex.
- 3. Continue to rotate the ratchet in a CCW direction with more torque until the cover screw, healing abutment or abutment screw is completely removed.
- 4. After the removal, rotate the ratchet in a CW to separate the tool and the removed component.

Cover & Abutment Screw Remover

| Scale 1 : 1 / mm

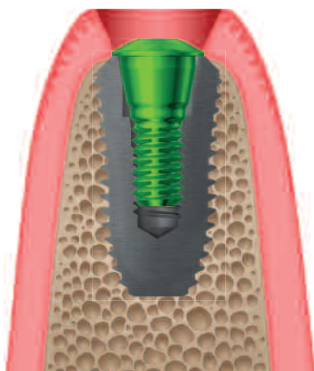
L	Art. No.
25	XRRHD



Manual

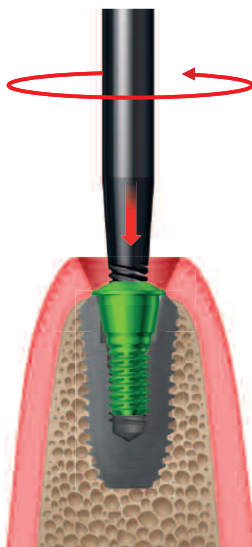
Cover Screw

1.



Loading downward

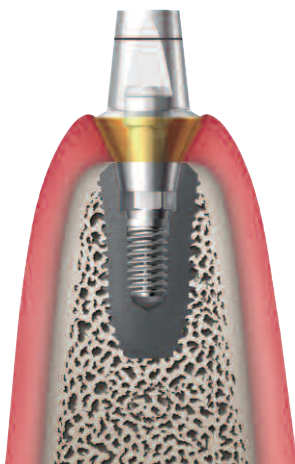
2.



Rotate the tool counterclockwise until tightly locked into the hex of the cover screw.

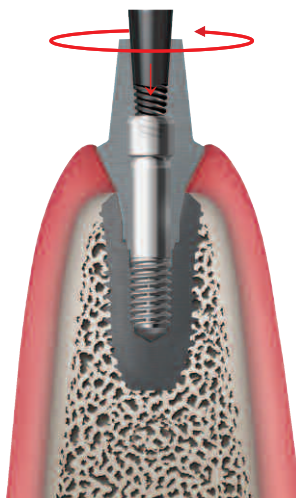
Abutment Screw

1.



Loading downward

2.



Rotate the tool counterclockwise until tightly locked into the hex of the abutment screw.

Dentium Help Kit

*Not all products listed in this catalog are available in all countries.

Dentium
For Dentists By Dentists

Specifications are subject to change without prior notice.
Some products that are to be launched in the market after necessary
approvals are also listed in this catalog.

XIH-1301(Rev.1)

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