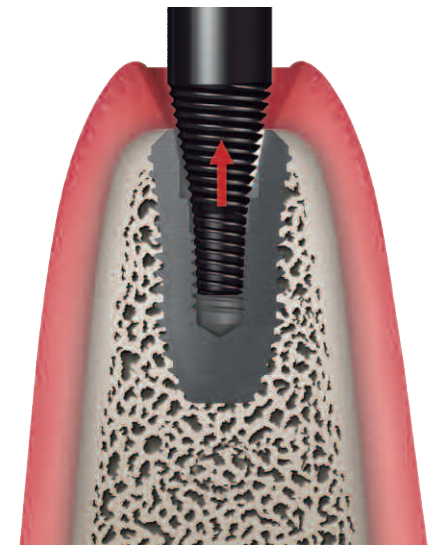


# Dentium Help Kit

- Easy solution for critical problems which might 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
- Heavy duty with robust design and proven material

Dentium  
Help Kit



**Dentium**

For Dentists By Dentists Specifications are subject to change without prior notice.

XIH-1005(Rev.2)

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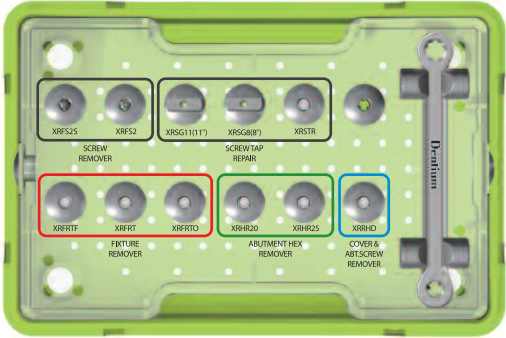
**Dentium**  
For Dentists By Dentists

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Help Kit



XIH

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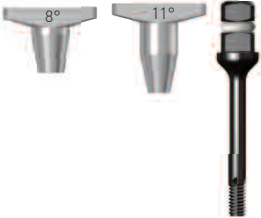
Screw Remover



Abutment Hex Remover



Screw Tap Repair



Fixture Remover



Cover & Abutment Screw Remover



[ Caution ]  
\* Please replace the tool with new one once the thread is worn out.

# Screw Remover

## [Application]

For removal of remaining screw when the abutment screw is broken inside fixture

## [Advantage]

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

## [Usage]

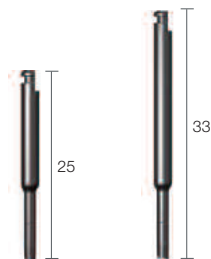
1. Set the implant engine in Torque mode, 30~50rpm, CCW (counterclockwise) .
2. Assemble the tool with the handpiece.
3. Run the engine keeping tip of the tool appropriately contacted with the broken screw until it comes out.

## [Caution]

\* Do not apply overload to the tool.

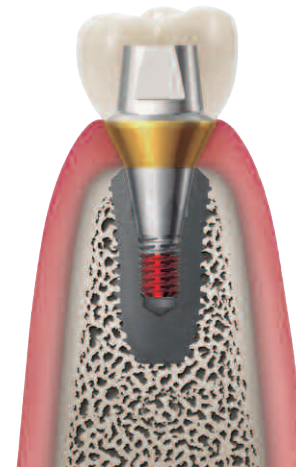
## Screw Remover | Scale 1 : 1 / mm

L	Art. No
<b>25</b>	<b>XRF S2S</b>
<b>33</b>	<b>XRF S2</b>



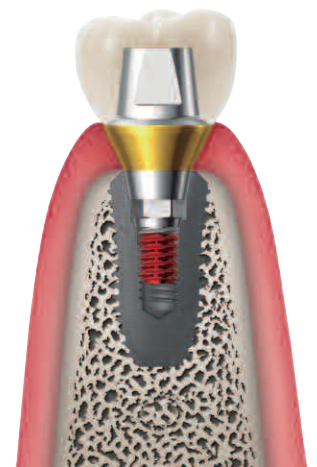
# Manual

1.



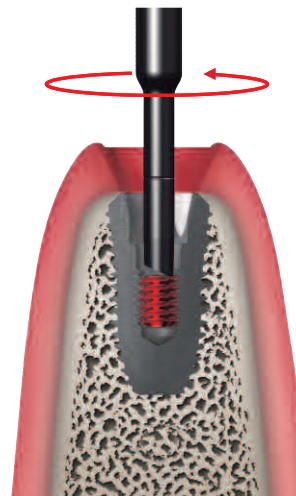
Combi Abutment

2.



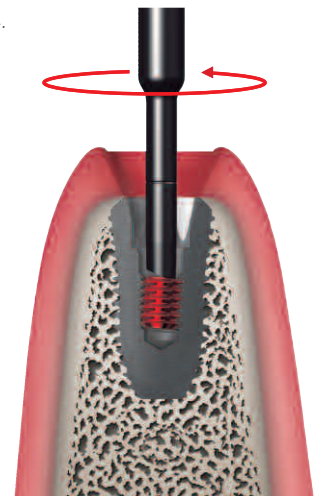
Dual Abutment

3.



Rotate the tool counter clockwise using the friction force.

4.



Screw comes out little by little swaying.

Handpiece Torque Mode : 30~50rpm / Reverse

# Abutment Hex Remover

**[Application]**

For removal of remaining hex when the hex portion of an abutment is broken

**[Advantage]**

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

**[Usage]**

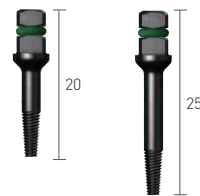
1. Insert the tool into the remaining hex hole of the fixture inside.
2. Assemble ratchet with the tool, and rotate it CW (clockwise) direction to lock the tool tip and the remaining hex.
3. Disengage the ratchet, and remove the remaining hex by rolling the tool carefully.  
If required, the hole located in the upper side of the tool can be used for applying the crown ejector (not included).

**[Caution]**

\* Do not apply overload to the tool.

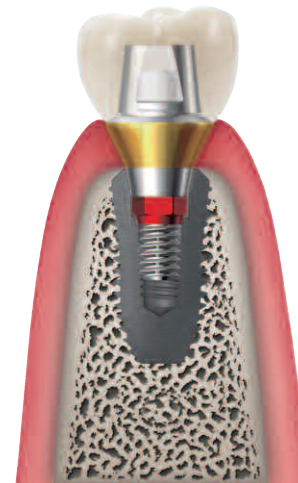
**Abutment Hex Remover | Scale 1 : 1 / mm**

L	Art. No.
<b>20</b>	<b>XRHR 20</b>
<b>25</b>	<b>XRHR 25</b>



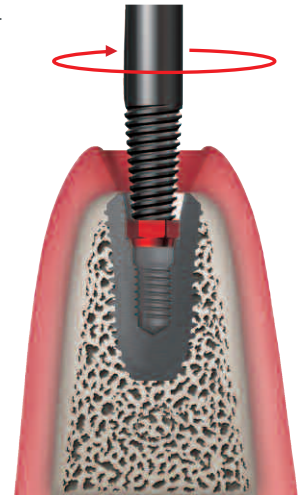
# Manual

1.



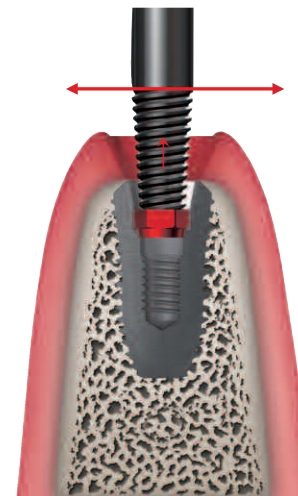
Dual Abutment (Hex)

2.



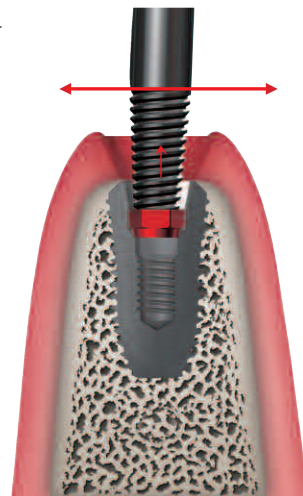
Rotate the tool clockwise so that the remaining Hex gets tightly attached to the tool.

3.



Once the tool gets a tight grip of the remaining Hex, disengage the ratchet and roll the tool between buccal and lingual side gently.

4.



# Screw Tap Repair

## [Application]

For revival of internal thread of fixture when it is damaged

## [Advantage]

Easy to recreate internal thread in straight angle thanks to the Guide with different angle (8°, 11°) according to the fixtures

## [Usage]

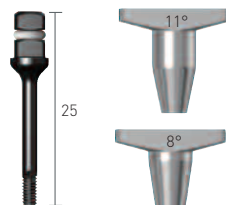
1. Put the Guide with proper degree on fixture.
2. Assemble the tap tool with ratchet.
3. Start tapping using the tap tool with appropriate torque.
4. If overloaded, stop tapping and remove particles using suction.
5. Repeat the process of the above 3 and 4 until completed.

## [Caution]

- \* Do not apply excessive torque to the tap tool.
- \* It is highly recommended to use ratchet after the tool bites the thread.

## Screw Tap Repair | Scale 1 : 1 / mm

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



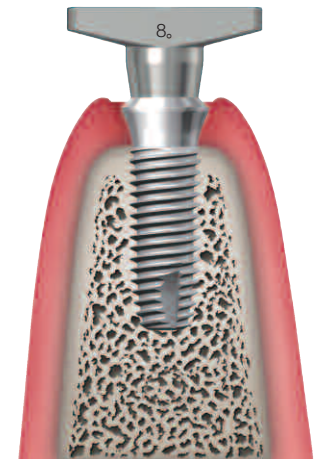
# Manual

1.



IMPLANTIUM / SuperLine 11.

2.



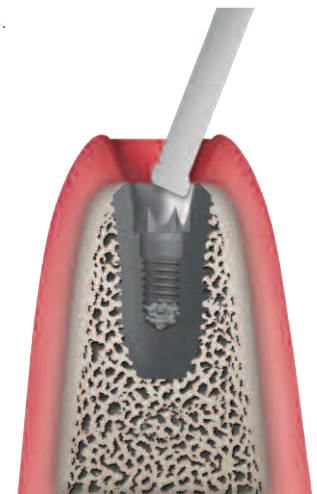
SimpleLine II 8.

3.



Tap with the guide attached.

4.



Take the tool and the guide out.  
And remove the particles using suction.

\*If overloaded, stop tapping and remove particles using suction.

# Fixture Remover

**[Application]**

For removal of fixture when it is broken or critically damaged in its internal thread, or there is no normal hex left leaving no other options but to remove it

**[Advantage]**

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

**[Usage]**

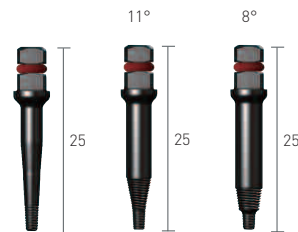
1. Assemble the tool with ratchet, and insert it into the failed fixture to be removed.
2. Gently rotate the ratchet in CCW direction until you can feel it is tightened with the fixture.
3. Continue rotating the ratchet with more torque in CCW direction until the failed fixture comes out.
4. After detaching, you can separate the fixture from the tool by rotating it in CW direction. You may use the wrench (included) for this purpose by connecting the removed fixture and the tool with ratchet if required.

**[Caution]**

\* Sufficient irrigation needs to be given to the tool to prevent from excessive heating during the work.

**Fixture Remover | Scale 1 : 1 / mm**

Type	Art. No.
Remover	XRFRTF
	XRFRT
	XRFRT0
Wrench	XRFRW



Wrench

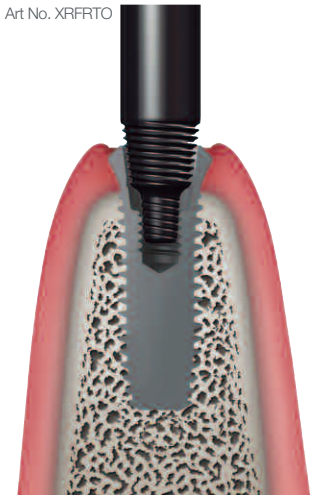
# Manual

1. Art No. XRFRT



IMPLANTUM / SuperLine 11.

2. Art No. XRFRT0



SimpleLine II 8.

3.



Rotate the tool counter clockwise until it fits into the fixture. Keep rotating with more torque until the failed fixture comes out.

4.



Separate the fixture from the tool using ratchet and the wrench which are included in the KIT.



# Cover & Abutment Screw Remover

## [Application]

For disengagement of cover screw or healing abutment from fixture, if it became sticky and 1.28 hex on the head is damaged

## [Advantage]

Easy to disengage damaged cover screw or healing abutment in its hex

## [Usage]

1. Assemble the tool with ratchet, and put it in the failed 1.28 hex of a cover screw or healing abutment to be disengaged.
2. Rotate ratchet gently in CCW direction so that the tapered tip of the tool can be tightened with the failed 1.28 hex.
3. Continue rotating ratchet in CCW direction with more torque until the cover screw or healing abutment is completely disengaged from fixture.
4. After disengagement, rotate ratchet in CW direction to separate the tool and cover screw / abutment screw.

## Cover & Abutment Screw Remover

| Scale 1 : 1 / mm

L	Art. No.
25	XRRHD



# Manual

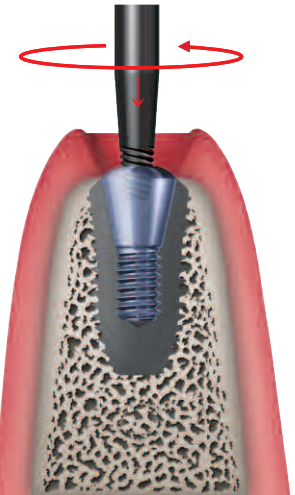
## Cover Screw

1.



Loading downward

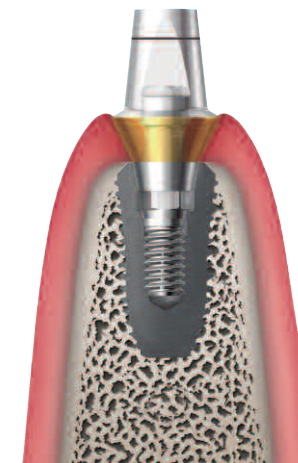
2.



Rotate the tool counter clockwise until it gets into Hex of the Cover Screw tightly.

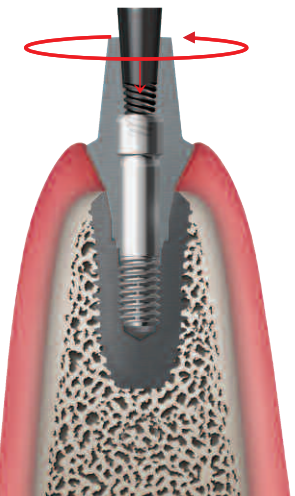
## Abutment Screw

1.



Loading downward

2.



Rotate the tool counter clockwise until it gets into Hex of the Abutment Screw tightly.