Dentium
For Dentists By Dentists

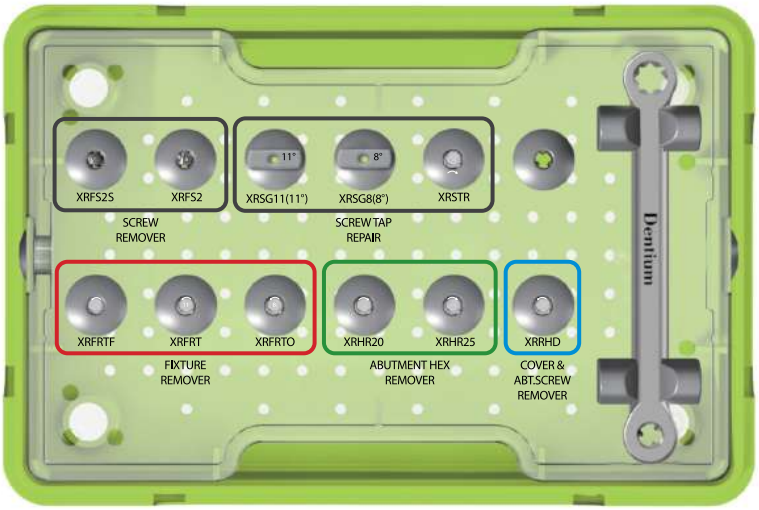
Dentium Instruments
for Total Solution

Catalog & Manual

Help Kit

- Easy solution for critical problems which may occur in the prosthetic process consist of 5 tools in a kit
- (Screw Remover/ Abutment Hex Remover/ Screw Tap Repair / Fixture Remover / Cover & Abutment Screw Remover)
- Compatible with most dental implant products now available on the global market
- Heavy duty with robust design and proven materials

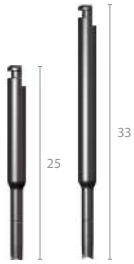
SuperLine



XIH

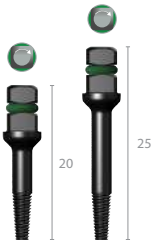
Screw Remover

L	Art. No.
25	XRF S2S
35	XRF S2



Abutment Remover

L	Art. No.
20	XRHR 20
25	XRHR 25

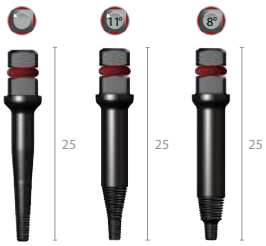


Screw Tap Repair

Type	Art. No.
Tap	XRSTR
11° Guide	XRSG11
8 ° Guide	XRSG8

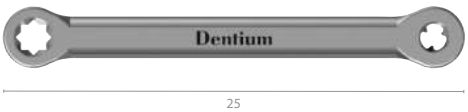
Fixture Remover

Type	Art. No.
Remover	XRFRTF
	XRFRT
	XRFRTO
Wrench	XRFRW

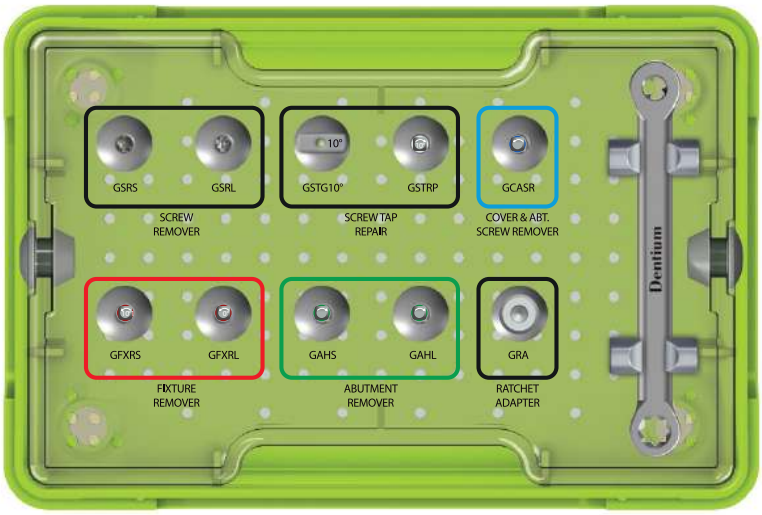


Cover & Abutment Screw Remover

L	Art. No.
25	XRRHD



NR Line



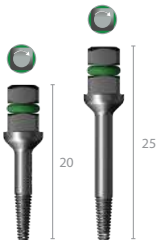
GXIH

Screw Remover

L	Art. No.
29	GSRS
33	GSRL

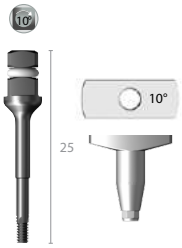
Abutment Remover

L	Art. No.
20	GAHS
25	GAHL



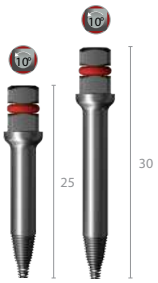
Screw Tap Repair

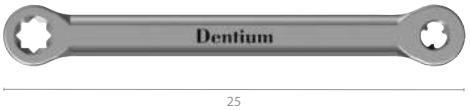
L	Art. No.
25	GSTRP
GUIDE	GSTG10



Fixture Remover

Type	Art. No.
25	GFXRS
30	GFXRL
Wrench	XRFRW



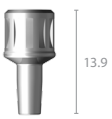


Cover & Abutment Screw Remover

L	Art. No.
25	GCASR

Ratchet adapter

L	Art. No.
13.9	GRA



Screw Remover

Application

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

Advantage

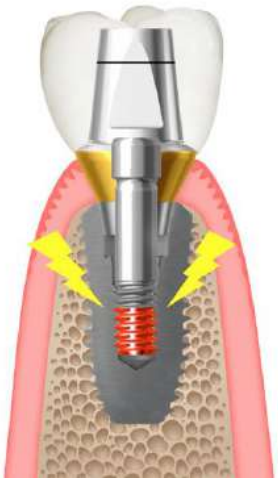
Easy to remove the broken screw, as well as protect the internal threads of the fixture from being damaged

Usage

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

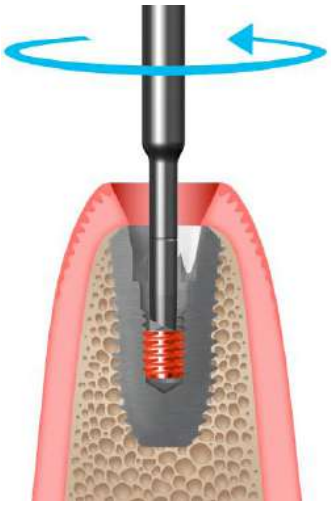
*Caution: Do not overload the tool with pressure; apply moderate pressure

1



Dual Abutment

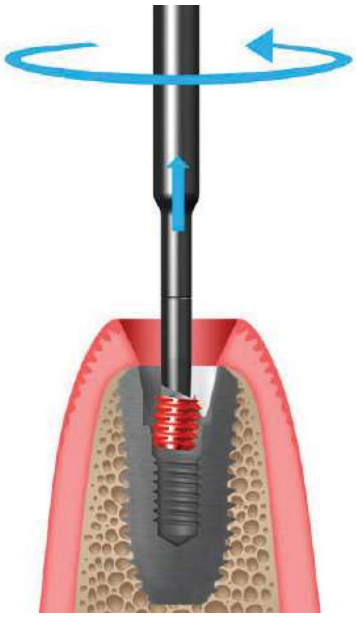
2



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

Hand-piece torque: 30~50rpm / Reverse

3



Allow the screw to gradually come out in a swaying motion

4

Abutment Hex Remover

Application

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

Advantage

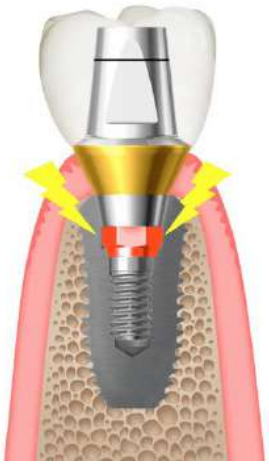
Easy to remove the broken hex, as well as protect the internal threads of the fixture from being damaged

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
4. If necessary, the hole located in the upper portion of the tool may be used with the crown ejector (not included)

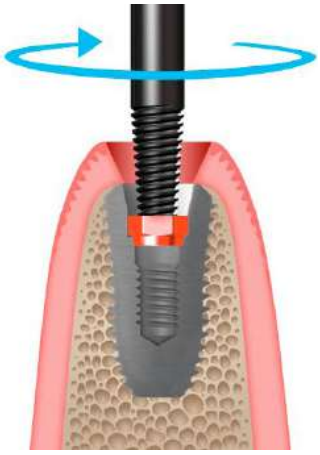
*Caution: Do not overload the tool with pressure; apply moderate pressure

1



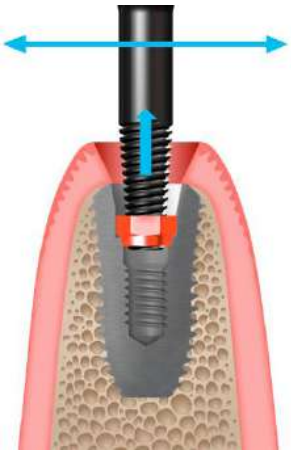
Dual Abutment (Hex)

2



Rotate the tool clockwise so that the remaining hex gets tightly engaged 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

1

IMPLANTIUM / SuperLine 11°

SimpleLine II 8°

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 damage 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 greater 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

1 Art No. XRFRT

IMPLANTIUM / SuperLine 11°

Art No. XRFRTO

SimpleLine II 8°

2~3

Rotate the tool in a counter clockwise direction until it is tightly locked into the fixture. Continue to rotate with additional toque 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 stripped or damaged

Advantage

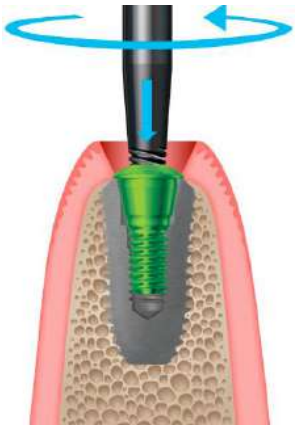
Easy to disengage the cover screw, healing abutment and abutment screw with stripped or damaged hex

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 damaged 1.28 hex.
3. Continue to rotate the ratchet in a CCW direction with greater 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

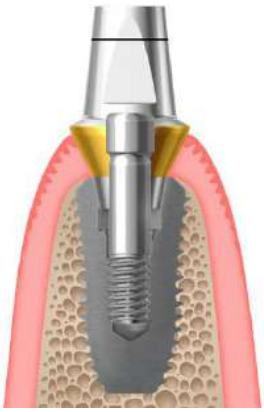
1 Cover Screw

2 Loading downward

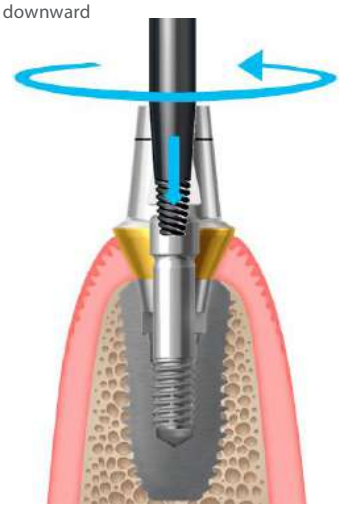


Rotate the tool counterclockwise until tightly locked into the 1.28 hex of the cover screw

3 Abutment Screw



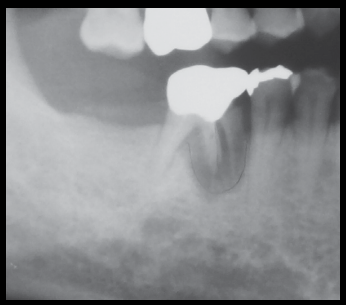
4 Loading downward



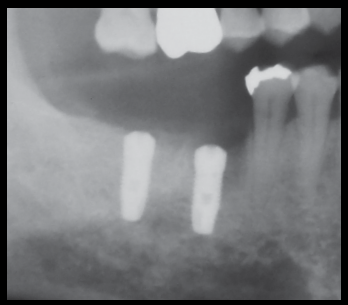
Rotate the tool counterclockwise until tightly locked into the 1.28 hex of the abutment screw

DENTIUM LONG-TERM CLINICAL DATA

2002 2003 2004 2005 2006 2007 2008



2002. 05. 17
Pre-op



2002. 09. 04
Post-op

2003. 03. 15
Final prosthesis

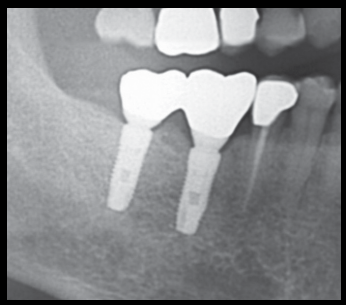
Dentium

For Dentists By Dentists

2009 2010 2011 2012 2013 2014 2015

11 YEARS

2008. 04. 14
5 years



2013. 12. 05
11 years

over 10 years of Long term data

OVER A **DECADE** OF COMMITMENT TO THE **BEST PRODUCTS** FOR DENTISTS AND PATIENTS

Dentium
For Dentists By Dentists

Dentium

For Dentists By Dentists

Dentium Instruments
for Total Solution

Catalog & Manual

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Specifications are subject to change without any notice.
Some products listed in this catalog are not available in the market due to pending approval.

HEAD OFFICE
6F, 29, Teheran-ro 87-gil, Gangnam-gu, Seoul , Korea (135-879) Tel +82-2-555-3750 Fax +82-2-501-9560
HOME PAGE
www.dentium.co.kr

INCO-1603 [Rev.1]