

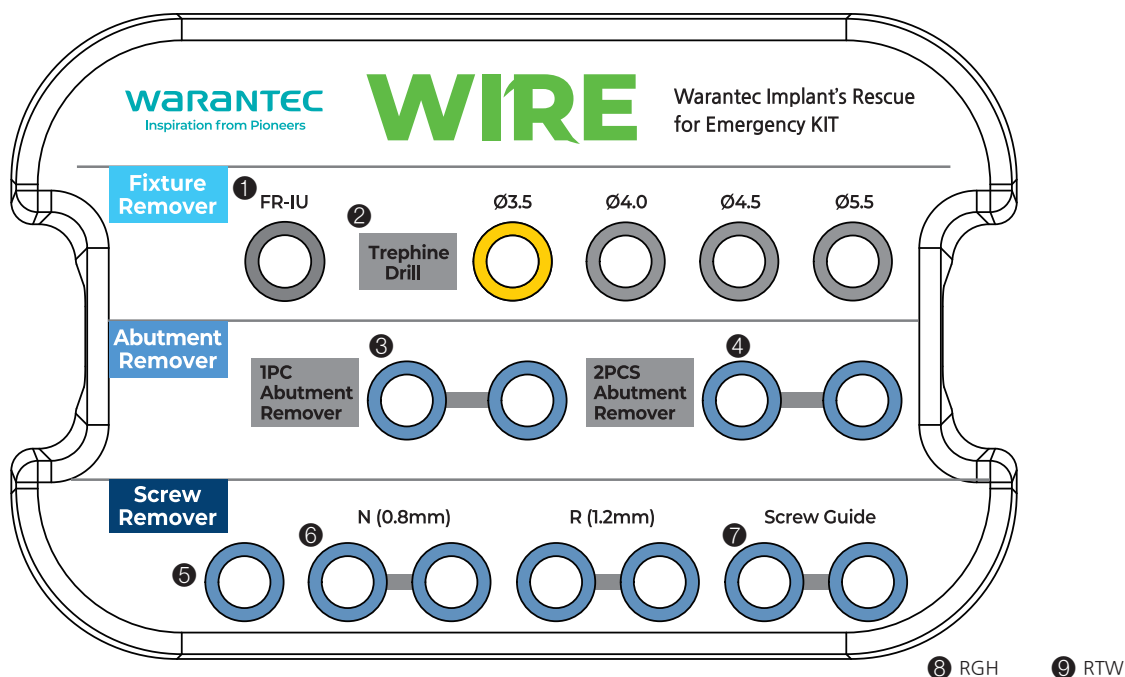
WIRE Kit

Warantec Implant's Rescue for Emergency Kit



Warantec Implant's Rescue for Emergency

Art No. : WIRE KIT



1 Fixture Removal Tool



FR-IU

2 Trephine Drill



TPD-35 TPD-40 TPD-45 TPD-55

3 Abutment Removal Drill & Tool



SD-AR-16



RD-AR-16

4 Dual Abutment Removal Tool



RD-AR-S



RD-AR-L

5 Screw Removal Tool



HD-SR-CM

6 Screw Removal Drill & Tool



SD-SR-08

HD-SR-08

SD-SR-12

HD-SR-12

7 IU Screw Removal Drill Guide



UG-SR-HA



UG-SR-H

8 Removal Guide Holder



RGH

9 Remover Torque Wrench



RTW

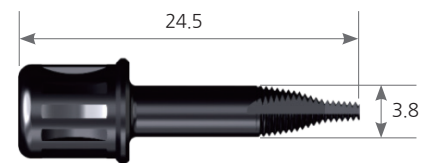
The **WIRE KIT** is a comprehensive removal kit that enables removing implants and debris remaining on implants in case of failure of prosthetics such as a screw or abutment fracture.

WIRE

Fixture Remover

- Implant fixture removal tool.
- When it is necessary to remove the implant due to peri-implantitis or other causes.
- Only the implant can be removed without damaging the surrounding bones.
- Easy and convenient removal of the internal fixture by reverse rotation.

❖ It is a disposable product. Reusing the product may cause a problem in its function.



FR-IU



1
Tighten the fixture remover to the fixture to be removed by rotating it in the reverse direction.

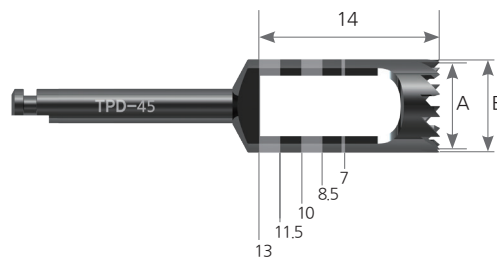


2
Maintain the fixture remover vertically, and use the remover torque wrench (RTW) to remove the fixture by rotating the fixture remover in the reverse direction.

Trephine Drill

- Drill for fixture removal.
- Check whether the size fits the fixture to be removed before use.
- Form a path on the bone surface by the reverse rotation, and then drill it with normal rotation.
- Recommended RPM : 800-1,200 RPM

Art No.	A	B
TPD-35	3.5	4.1
TPD-40	4.0	4.6
TPD-45	4.5	5.3
TPD-55	5.5	6.3



Assemble the trephine drill that corresponds to the fixture's diameter to be removed to the handpiece. Form a path on the bone surface by the reverse rotation.



Perform the normal rotation drilling up to the implanted fixture depth to separate the fixture to be removed from the surrounding bone.

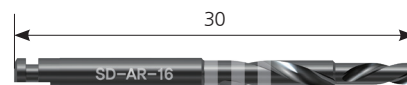
* Increase the amount of irrigation sufficiently to reduce bone heating.



In case of broken fixture, tighten the fixture remover by reverse rotation and remove the fixture.

Abutment Removal Drill

- Removal drill for neck fractured solid abutment.
- Drill for forming a hole on the cross section of the fractured solid abutment with reverse rotation.
- Recommended RPM : 1,500 RPM
- Package Component : SD-AR-16



SD-AR-16

Solid Abutment Removal Tool

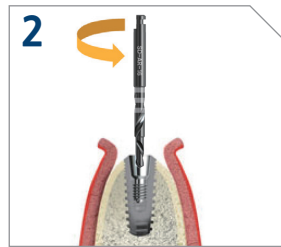
- Removal tool for the neck fractured solid abutment.
- Remove by tightening the removal tool by reverse rotation on the hole formed on the cross section of the fractured solid abutment.
- Package Component : RD-AR-16



RD-AR-16



1
Remove the soft tissue to the extent that the Abutment Removal Drill can be used.



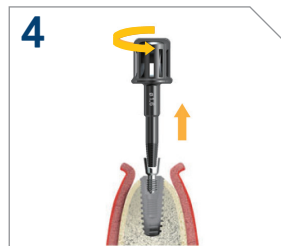
2
Proceed with the reverse rotation drilling on the cross section of the fractured solid abutment with the SD-AR-16 drill. Proceed with the drilling at the speed of 1,500 RPM or higher. Sufficient irrigation will be required as cutting heat will be generated by the drilling speed. (*minimum cutting depth of 2mm)

☆TIP

If the remaining piece of the solid abutment comes out while proceeding with the reverse rotation drilling with the SD-AR-16 drill, remove the remaining abutment with a tweezer.



3
Insert the RD-AR-16 into the formed hole.



4
Reverse rotate the RD-AR-16 to remove the fractured abutment.

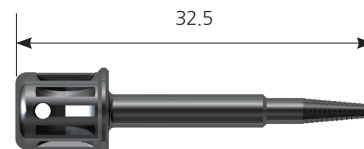
Dual Abutment Removal Tool

- Removal tool for the neck fractured dual abutment.
- When the dual abutment is fractured on the inside of the fixture.
- When the hex of the abutment screw is damaged.
- Remove it by reverse rotation from inside the fractured dual abutment or on the screw hex.

❖ It is a disposable product. Reusing the product may cause a problem in its function.

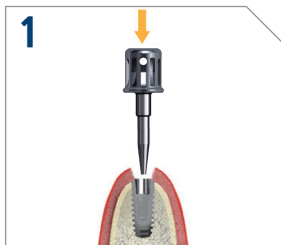


RD-AR-S



RD-AR-L

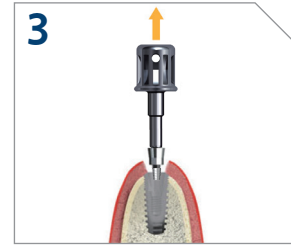
Neck Fractured Dual abutment Removal Procedure



1
Insert into the hole of the fractured abutment with the Dual Abutment Removal Tool.



2
Reverse-rotate the Dual Abutment Removal Tool until it is fitted with the fractured abutment.



3
If it is fitted adequately, use forceps or any other tools to shake it and remove it.

Removal Procedure for the Damaged Abutment Screw Hex



1
When the 1.2 hex driver cannot be assembled because the hex part of the abutment screw is damaged.



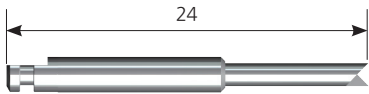
2
Insert the Dual Abutment Removal Tool into the damaged hex.



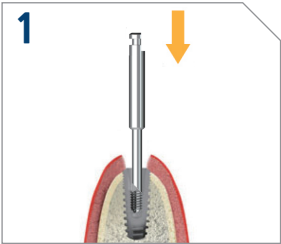
3
Reverse-rotate the Dual Abutment Removal Tool to remove the damaged abutment screw.

Screw Removal Tool

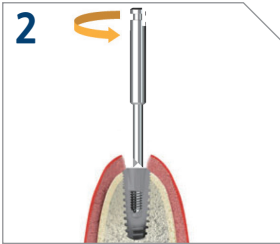
- Removal tool for the fractured abutment screw.
- In case the screw is fractured inside the fixture.
- Going through the incomplete cross section on the upper part of the fractured screw to remove it.
- Recommended RPM : Less than 50 RPM



HD-SR-CM



Assemble the HD-SR-CM with a handpiece, and insert it into the fractured screw.

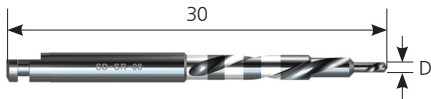


Reverse-rotate it with a speed of less than 50RPM to remove the screw.

Art No.	Length (mm)
HD-SR-CM	24

Screw Removal Drill

- Removal drill for the fractured abutment screw.
- In case the screw is fractured inside the fixture.
- A drill to form a hole in the incomplete cross section on the upper part of the fractured screw.
- The operator can identify the depth of the deletion through the laser marking on the upper part.
- Recommended RPM : 1,500 RPM



Art No.	Diameter (mm)
SD-SR-08	0.8
SD-SR-12	1.2

Screw Removal Tool

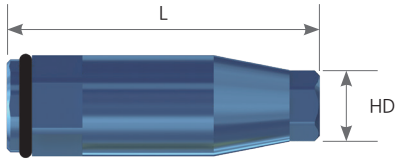
- Removal tool for the fractured abutment screw.
- Reverse-rotate it on the hole formed on the cross section of the fractured screw to remove it.



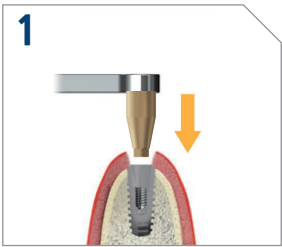
Art No.	Diameter (mm)
HD-SR-08	0.8
HD-SR-12	1.2

Screw Removal Drill Guide

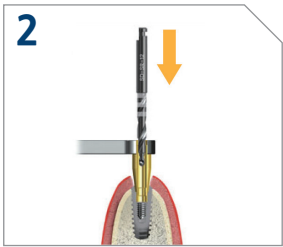
- A guide for removing the abutment screw.
- Supports to form a hole in the middle of the cross section of the fractured screw.



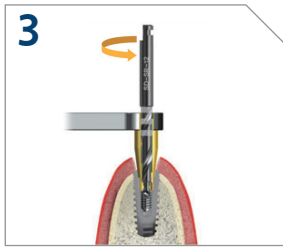
Art No.	Hex Dimension	Length (mm)	Application
UG-SR-HA	2.1	12.4	Mini
UG-SR-H	2.5	12.4	Standard



Assemble the Guide with the Guide Holder, and insert it into the fixture.



Hold the handle of the holder, and insert the Screw Removal Drill into the Guide.



Reverse-rotate the Screw Removal Drill to form a hole on the fractured screw. Proceed with the drilling at the speed of 1,500RPM or higher. Sufficient irrigation is required as cutting heat will be generated by the drilling speed. (*minimum cutting depth of 2mm)



Insert the Screw Removal Tool into the hole of the fractured screw.



Reverse-rotate the Screw Removal Tool to remove the fractured abutment screw. (*Remove it with the speed of less than 50 RPM while applying moderate vertical pressure.)

Screw Removal Guide Holder

- Holder for screw removal guide.
- A guide for safely using the Screw Removal Drill in the oral cavity.



RGH

Art No.

RGH

Remover Torque Wrench

- Torque wrench for remover.
- 0-100Ncm : Gauge for removing the abutment and screw.
- 0-400Ncm : Gauge for removing the fixture.



RTW

Art No.

RTW