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Instrument Kit

Total Remove Kit
















INSTRUCTIONS FOR USE

DESCRIPTION:

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.

Type	Size, mm	Code
	Screw Remove Drill Ø 1.0	HSD1032
	Screw Remove Tap Ø 1.0	HST1025
	Screw Remove Bar Ø 1.45	HSB145B
	F 22° (Spiral Implant)	HFR22
	16° (Conical Implant)	HFR16
	16° N (Narrow Implant)	HFR16N

	Sub Non-Hex 22N	HEG27H
	Sub Non-Hex 16N	HIG160
	Sub. Hex 2.5	HSG22H
	Sub. Hex 2.1	HSG22N
	Cover Screw Remove	HSD054L
		HRW9785
		HHSA40

HOW TO USE:

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.

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.

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 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.

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.

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.

STORAGE AND TRANSPORTATION CONDITIONS:

The device should be kept during storage and transportation at room temperature in dry place. Keep the device out of direct sunlight and avoid heavy materials placing on the device.

MATERIAL:

Stainless Steel, Tungsten, Silicone ring.

WARNING:

For efficient and safe use of this device, the surgeon should be sufficiently trained and have enough experience in surgical operation technique related to these instruments.

PRECAUTIONS:

The surgeon should inform the patient of the risks associated with surgery.

Inspect each device to ensure they are not damaged.

All instruments must be sterilized prior to use.

The device should be used by sufficiently trained surgeon.

The device should not be modified or used against the [Indications for Use] stated in this document.

POSSIBLE ADVERSE EFFECTS:

Allergy to metallic material, inflammation and/or infection caused by carelessness.

CLEANING & STERILIZATION:

The subject devices, surgical instruments, are reusable after cleaning and sterilizing. They must be cleaned before reuse. Following these recommended instructions for cleaning.

Dental Surgical Instruments is supplied NON-STERILE.

They must be sterilized by the end user after and prior to use.












Only legally marketed, FDA-cleared sterilization barriers (e.g. wraps or pouches) should be used.

PACKAGING:

The device is packaged in KIT.

This device is manufactured made for DSI, Ltd.

REF: DS-RKS

Consult instructions for use		Manufacturer	
Caution		Reference / Article number	
Non-sterile product		Batch Code	
Temperature limitation		Date of manufacture	
Keep away from rain		Symbol for "Use by Prescription only"	
Keep away from sunlight			

The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.