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Used for the immediate and effortless extraction of the root of the tooth with simple procedures.

Atraumatic Extraction Kit

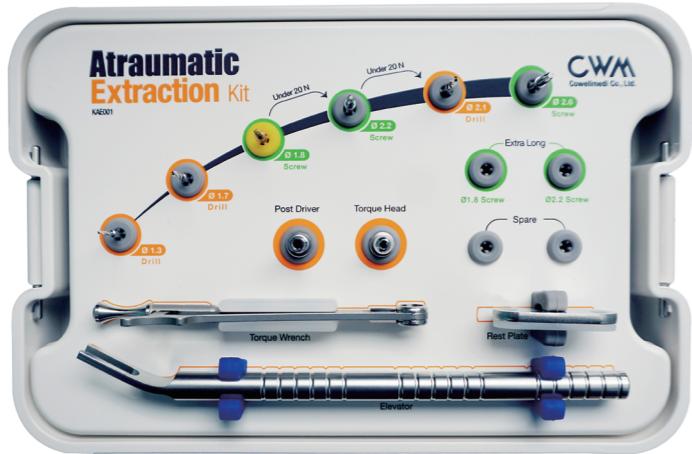


CWM
Cowellmedi Co., Ltd.

The pioneers in Dental Implant & E.rhBMP-2

Atraumatic Extraction Kit [KAE001]

> Used for the immediate and effortless extraction of the root of the tooth with simple procedures.



(1) Diversity

A root extraction can be done regardless of whether residual amount of root is large or small.

(2) Safety

A root extraction without the risk of damaging adjacent teeth is possible using the Rest Plate, Elevator etc.

(3) Convenience

A very simple and convenient root extraction is possible, compared to the existing extraction method.

(4) Reduced Procedure Time

The procedure time is reduced due to the simple procedure.

Composition



Elevator



1. Extraction Drill

> The Extraction Drill is composed of three types of Drills ($\varnothing 1.3$ / $\varnothing 1.7$ / $\varnothing 2.1$) that can be selected according to the case.

$\varnothing 1.3$ Drill



Code KAAD13

$\varnothing 1.7$ Drill



Code KARD17

$\varnothing 2.1$ Drill



Code KAMD21

2. Extraction Screw

> The Extraction Screw is fastened into the hole that was created by the Extraction Drill via the Screw method, and it is stably fixed to the remaining root. It is composed of the $\varnothing 1.8$ / $\varnothing 2.2$ / $\varnothing 2.6$ Screws that can be selected according to the Extraction Drill.

> The $\varnothing 1.8$ Screw is used for vital root of which canal is not treated, after using the $\varnothing 1.7$ Drill.

$\varnothing 1.8$ Screw



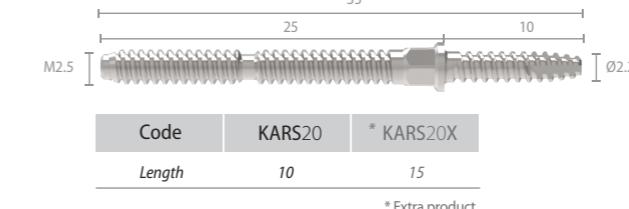
Code KAAS16 * KAAS16X

Length 10 15

* Extra product



$\varnothing 2.2$ Screw



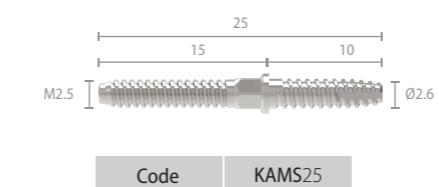
Code KARS20 * KARS20X

Length 10 15

* Extra product



$\varnothing 2.6$ Screw



Code KAMS25



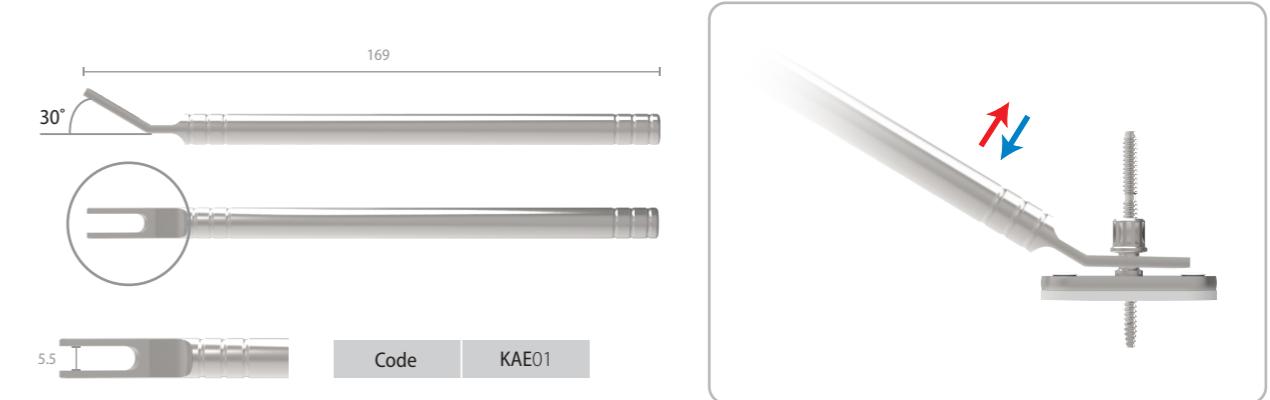
3. Post Driver

> After connecting the Post Driver to the Extraction Screw, turn the Torque Wrench in a clockwise direction in order to fix it to the hole that was created by the Extraction Drill (recommended torque : 30 N.cm or more).



6. Elevator

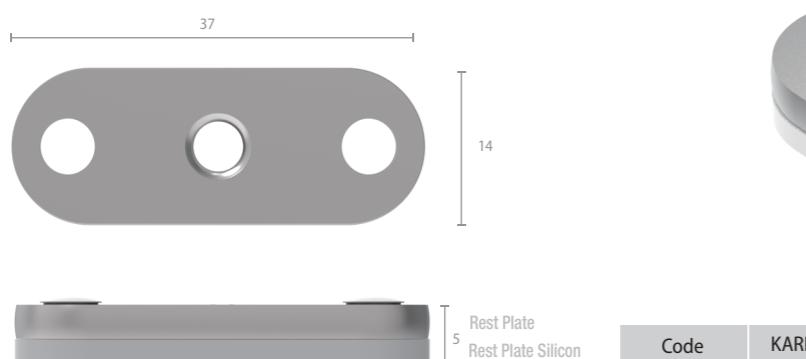
> The Elevator is used by connecting it with the Torque Head and extracting the root by applying force toward a distal or mesial direction.



4. Rest Plate

> The Rest Plate is connected between the Extraction Screw and the Torque Head. It protects the part with silicon that comes into direct contact with the adjacent teeth in order to prevent teeth damage.

It also serves as a support for the Elevator and Torque Wrench.



5. Torque Head

> The Torque Head is connected to the Extraction Screw that is fixed in the tooth to be extracted.

It fixes the gap of the Rest Plate and it can be used with the Elevator.

> If the root to be extracted has both distal and mesial adjacent teeth, it will be extracted with the Torque Wrench (recommended torque : 100 N.cm or less).



How to Use

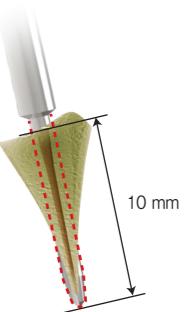
1. Extraction Drill

Create a hole on the tooth to be extracted using the Extraction Drill.



Caution A

- The Extraction Drill must follow the neural root canal during drilling.
- Drill down to at least 10mm because extraction is possible even if the Drill and Screw penetrate the root.



2. Extraction Screw

Connect the Extraction Screw to the Post Driver and fix it to the hole created by rotating it clockwise (recommended torque: Min. 20 N.cm ~Max. 25 N.cm).

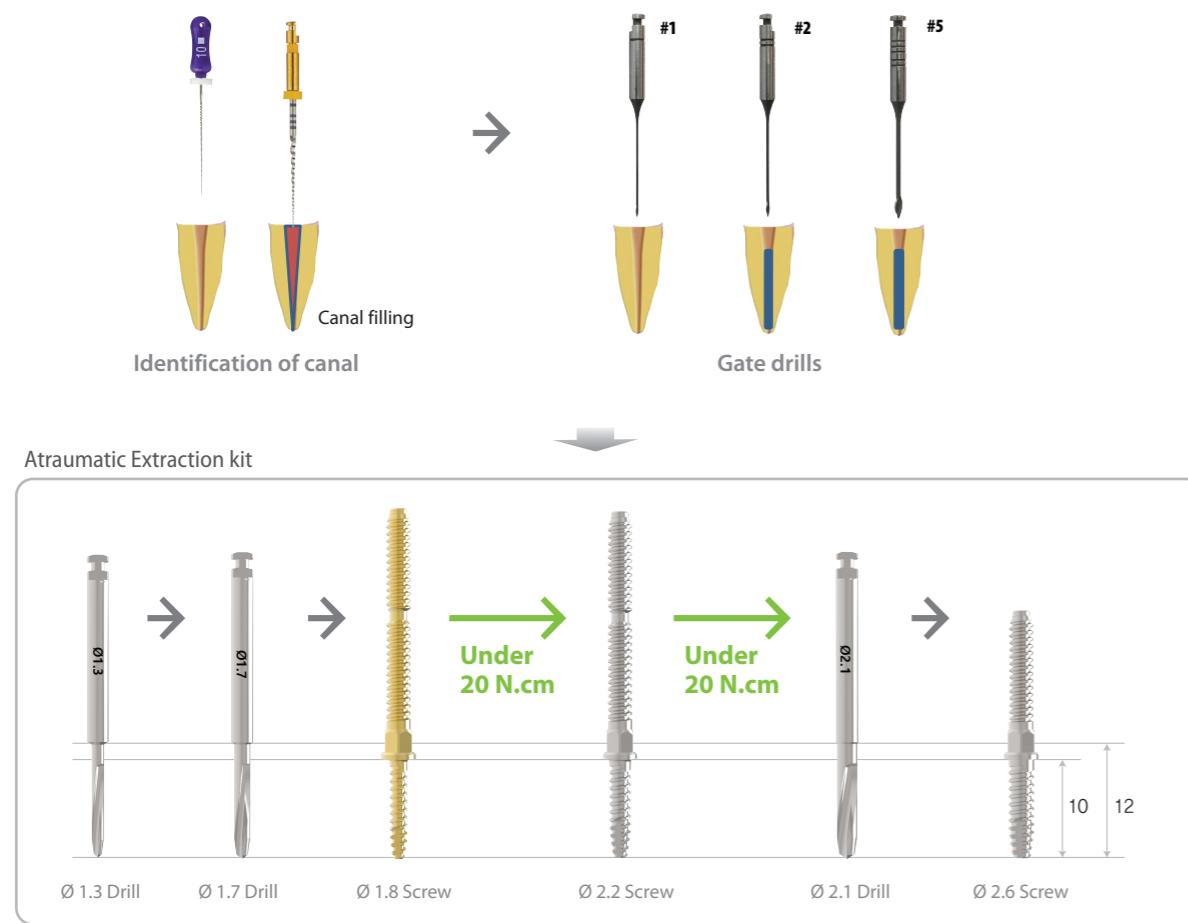


Caution B

- Drill to a depth of 10~12mm and insert the Extraction Screw at a depth of 10mm.
- Fix the Screw with 20~25 N.cm.

* Drilling Sequence

Root Canal Preparation



4. Torque Head

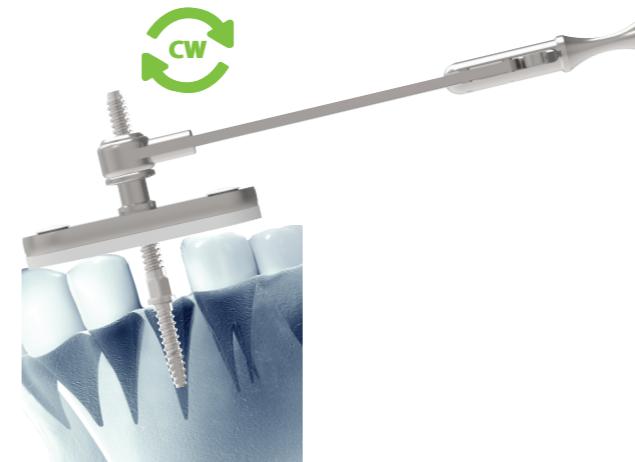
Connect the Torque Head to the Extraction Screw projected above the Rest Plate by rotating it clockwise.



Connect Torque Head to Screw

5. Torque Wrench

Extract the tooth by rotating the Torque Head clockwise using the Torque Wrench.



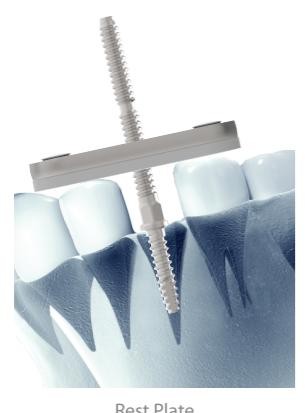
Extraction Root

Caution C

- Fix the screw with a torque of 20~25 N.cm. If it is not applied, use a thicker Screw.
- The low torque force causes the Screw to fall out during the extraction, and the over torque force fractures tooth root.

3. Rest Plate

After removing the Post Driver, connect a Rest Plate to the Extraction Screw by taking into account the adjacent teeth.



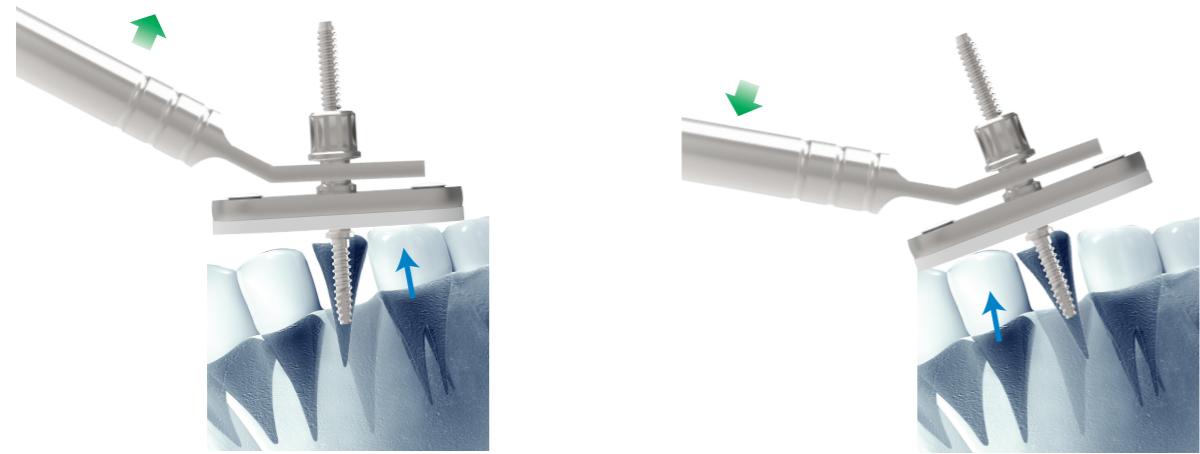
Rest Plate

Caution D

- Extraction using the Torque Wrench is possible in a root with mesiodistal root.

Caution E

- If there are adjacent teeth with 2 or higher swaying degrees, upward pulling or downward pressing should be applied using the Elevator so that the teeth will not receive force during extraction.

**Caution F**

- If there is an adjacent tooth projected to the mesiodistal root, it must be extracted using the Elevator.

Atraumatic Extraction Kit

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