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MULTI-FUNCTIONAL SINUS™ KIT

# MFS KIT

A comprehensive kit to approach direct & indirect maxillary sinus lift simply.

Multi-Functional Sinus™ Kit



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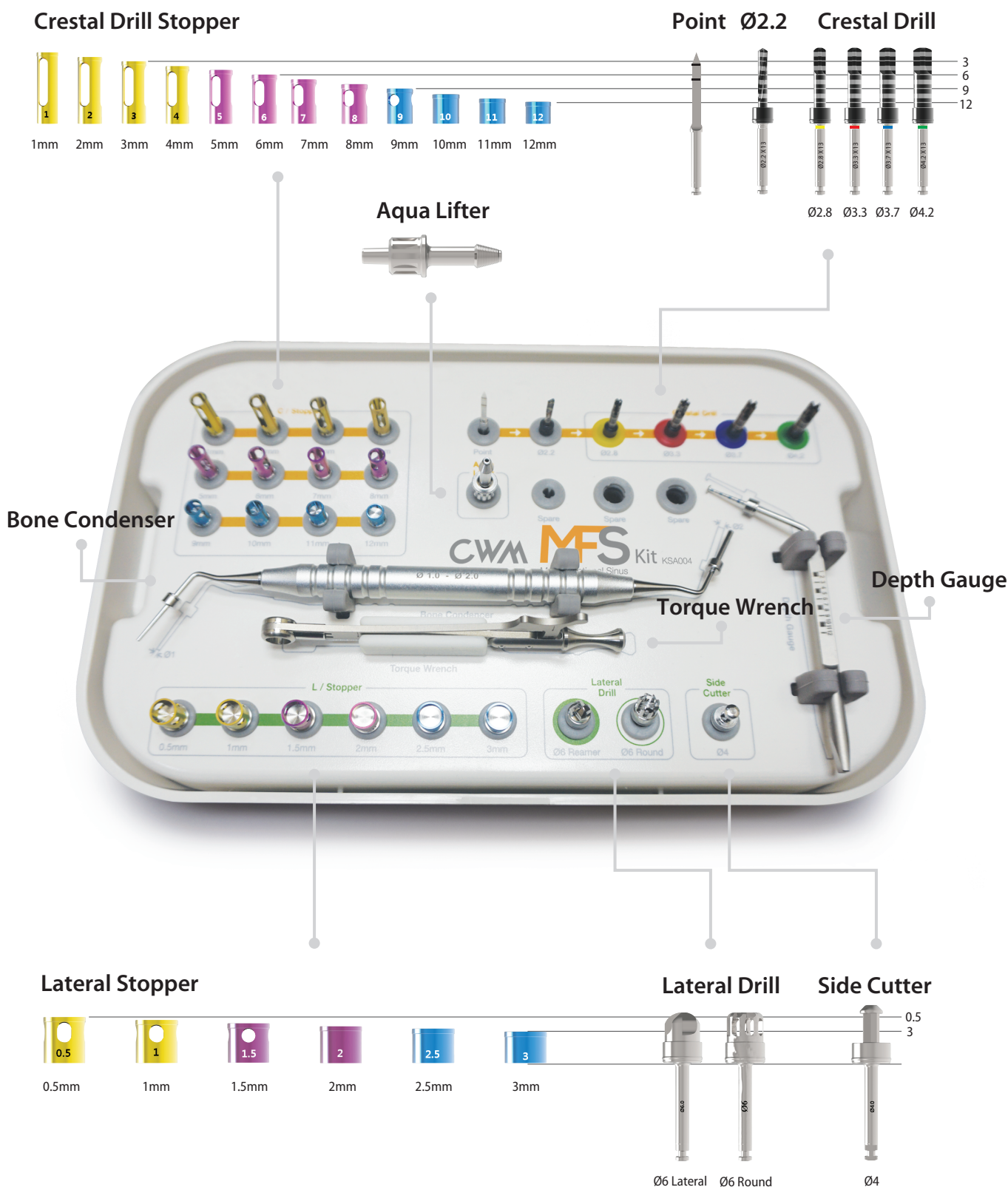
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# MFS KIT

Multi-Functional Sinus™ Kit  
[KSA004]

> A comprehensive kit to approach direct & indirect maxillary sinus lift simply.



## Aqua Ratchet Connector

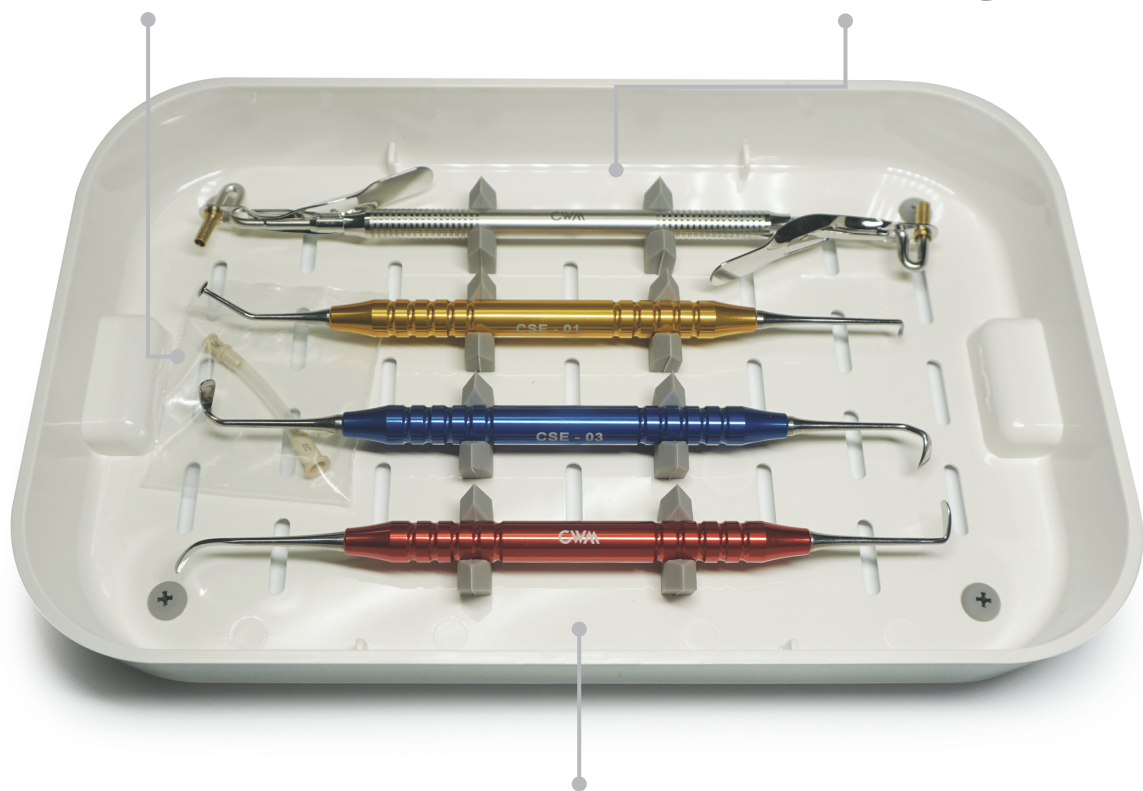


## Aqua Syringe Connector

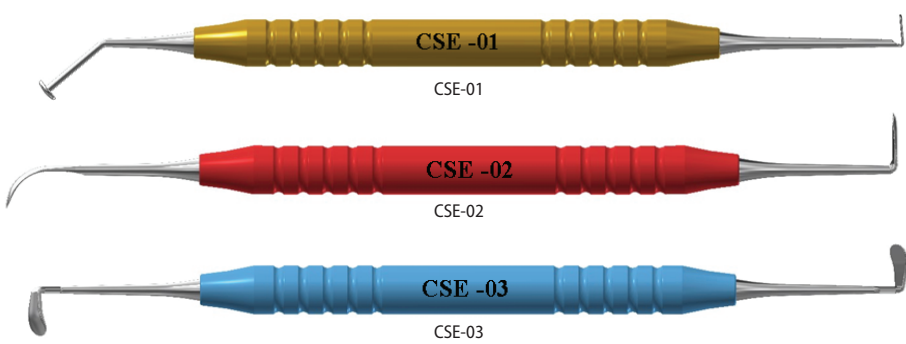


## Bone Carrier

## Aqua Tube



## Sinus Elevator





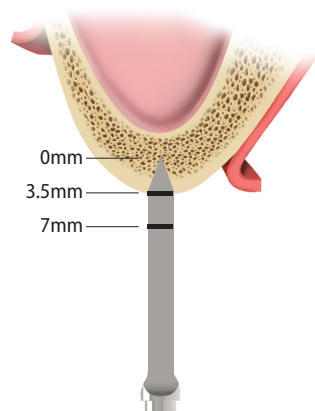
# Crestal Approach - Components

## 1. Point Drill 800~1,000 rpm

- > Mark the point of perforation on cortical bone.
- > In the case of the remaining bone height is as low as 3.5mm, pay more attention to drilling.



Code	KPD01S
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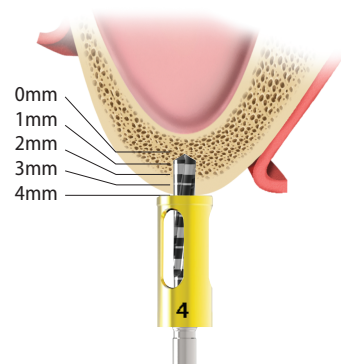


## 2. 2.2 Twist Drill 800~1,000 rpm

- > Use for making guide hole before using the Crestal Drill.
- > Use the Crestal Drill Stopper according to the height of the remaining bone.

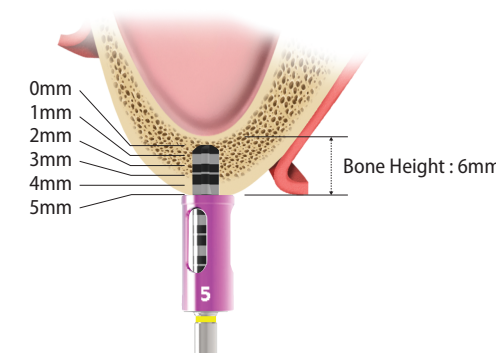


Code	KSTD22
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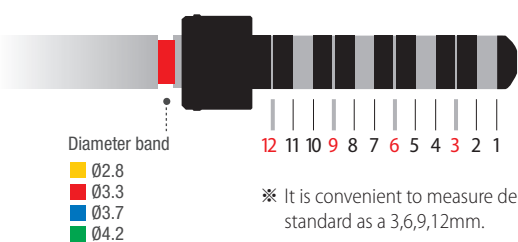


## 3. Crestal Drill 400~800 rpm

- > Use the Crestal Drill sequentially according to the diameter of the fixture to be placed.
- > Can also be used if sinus floor is flat, incline, septum.
- > The Crestal Drill can be used about 50 times (depending on bone quality).



Fixture Dia.	Ø3.3	Ø3.5	Ø4.0	Ø4.5 / Ø5.0
Diameter	Ø2.8	Ø3.3	Ø3.7	Ø4.2
	KSCD28	KSCD33	KSCD37	KSCD42



※ It is convenient to measure depth by standard as a 3,6,9,12mm.



※ Flat floor edge minimize damage to Membrane.

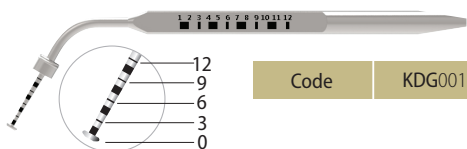
## 4. Crestal Drill Stopper

- > Connected with a stopper to be drilled to the same length of the cartilage height of maxillary sinus which is measured by CT.
- > If not equipped with CT, fasten the stopper one step lower than expected and gradually increase the length.

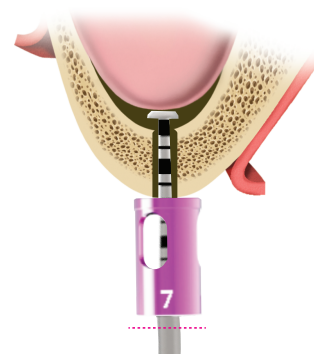
Drilling Depth	1mm	2mm	3mm	4mm	5mm	6mm
	KSDS01	KSDS02	KSDS03	KSDS04	KSDS05	KSDS06
Drilling Depth	7mm	8mm	9mm	10mm	11mm	12mm
	KSDS07	KSDS08	KSDS09	KSDS10	KSDS11	KSDS12

## 5. Depth Gauge

- > Measure thickness of the residual bone after checking the perforation of the cartilage of the maxillary sinus (Do not open completely, only the entrance side is opened).
- > The stopper is attached to the base of the residual bone to separate the cartilage and membrane from the maxillary sinus.



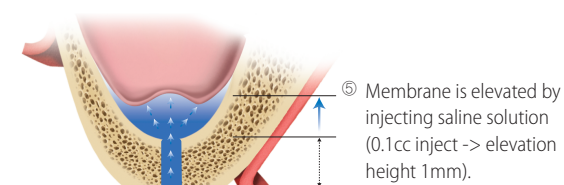
Code	KDG001S
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## 6. Aqua Membrane Lifter System

- > After confirming that elevation of the cartilage of maxillary sinus, elevate membrane with the Aqua Membrane Lifter System.

- ① Fasten the Aqua Lifer Drill to the drilled hole.
- ② Connect the Aqua Tube to syringe using the Syringe Connector (SC).
- ③ Inject saline solution to the amount of bone graft material to be used for syringe.
- ④ Tube connection to the lifter drill using the Ratchet Connector (RC).
- ⑤ Inject saline solution.



※ After injecting 0.2~0.5cc and pressure is applied, measure volume of injection and height of elevation.

Aqua Lifter Drill

Code	KSAL01
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Aqua Ratchet Connector

Code	KSAL01RC
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Aqua Syringe Connector

Code	KSAL01SC
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Aqua Tube


Code	KSALT030
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7. Torque Wrench




Code KTW001

> Use the Torque Wrench to fix the Aqua Lifer Drill in the hole formed using crestal drill.

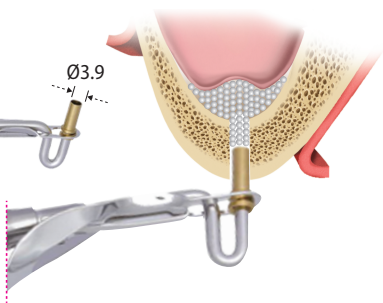


8. Bone Carrier

> Insert bone graft material using the Bone Carrier.



Code KSBC01




Ø3.9  
Ø3.5

※ If you need to expand hole, drill 1mm more using the crestal drill.

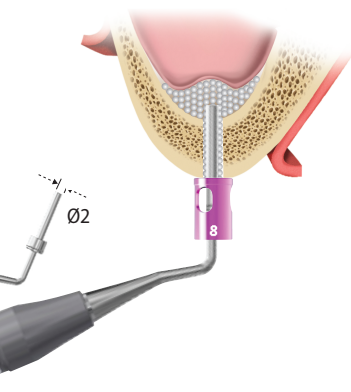
9. Bone Condenser

> After connecting the stopper with the Bone Condenser, elevate bone graft materials to inside of maxillary sinus.

> Rotate bone graft material using the Bone Condenser to disperse bone graft material (possible to do with the Depth Gauge).



Code KSBC1022

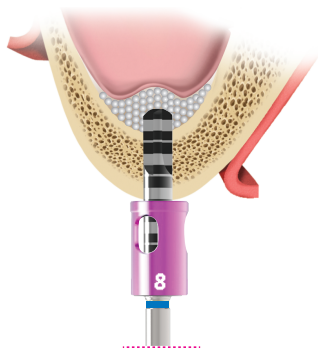


Ø2  
Ø1

※ If you need to expand hole, drill 1mm more using the crestal drill.

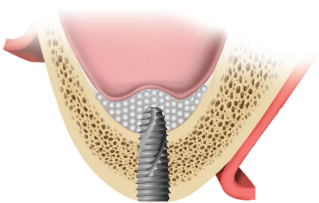
10. Implant Drill (Final)

> Drill 1~2mm more deeply than steps of the Crestal Drill.



11. Implant Placement

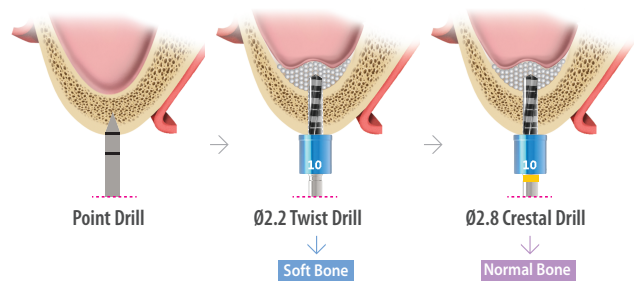
> If the residual bone is less than 3 mm, do not implant the implant, but bone graft only.



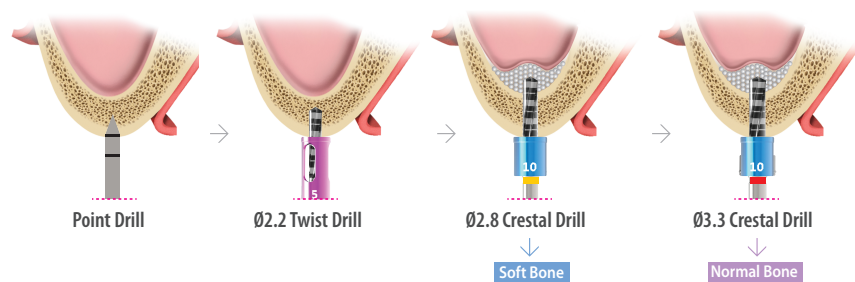
Crestal Approach - Drilling Sequence

> Placing implant over Ø 4.0 is highly recommended.

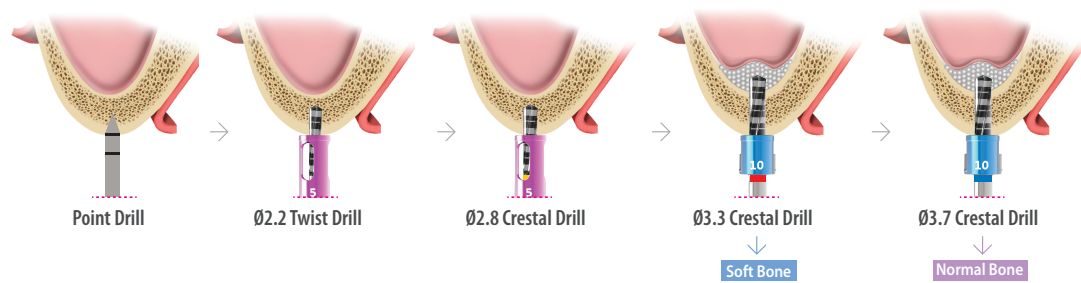
1. Ø3.3 Narrow Fixture



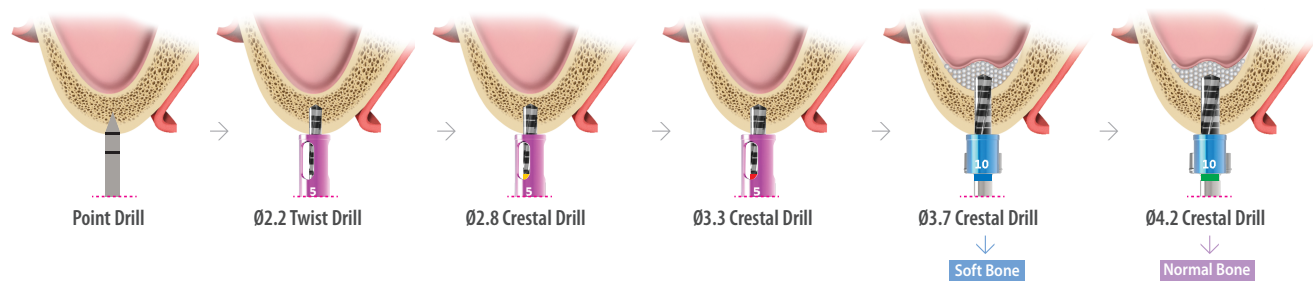
2. Ø3.5 Fixture



3. Ø4.0 Fixture



4. Ø4.5 Fixture



※ Ø5.0 Fixture Normal Bone: Drilling with the Final Drill before placing implants are required.

※ Use a drill that is one step shorter than the implant (E.g. 10mm implant, 8 ~ 9mm Drill).



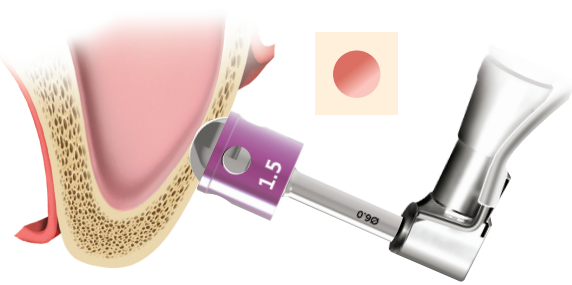
# Lateral Approach - Components

## 1. Ø6 Lateral Reamer 800~1,000 rpm

- > Drill after fastening the stopper according to the height of the bone.
- > Round shape to prevent membrane perforation.



Code KSLD60

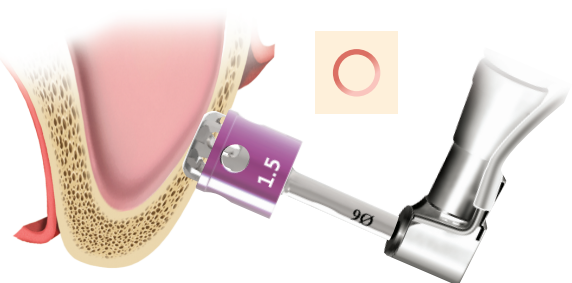


## 2. Ø6 Lateral Round Drill 800~1,000 rpm







- > Drill after fastening the stopper according to the height of the bone.
- > Round shaped edge.
- > The residual bone should be replaced in the original position after drilling, sinus lifting & augmentation.



Code KSLRD60



## 3. Lateral Stopper

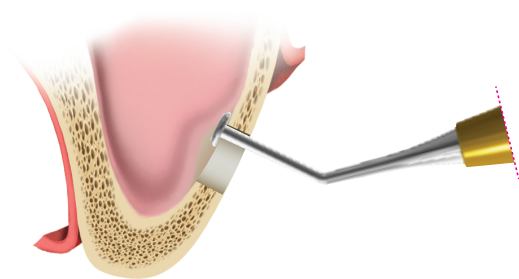
						
0.5	1	1.5	2	2.5	3	
Drilling Depth	0.5mm	1mm	1.5mm	2mm	2.5mm	3mm
	KSDSL05	KSDSL10	KSDSL15	KSDSL20	KSDSL25	KSDSL30

## 4. Sinus Elevator

- > CSE-01 : CSE-01 Initial Elevation of Sinus Membrane.



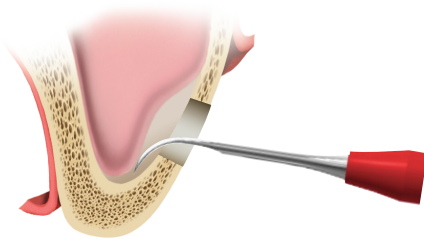
Code KSSE01



- > CSE-02 : as stepwise, after using CSE-01, used for elevation of sinus membrane.



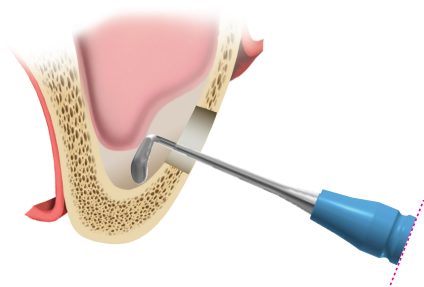
Code KSSE02



- > CSE-03 : as stepwise, after using CSE-02, used for elevation of sinus membrane.



Code KSSE03

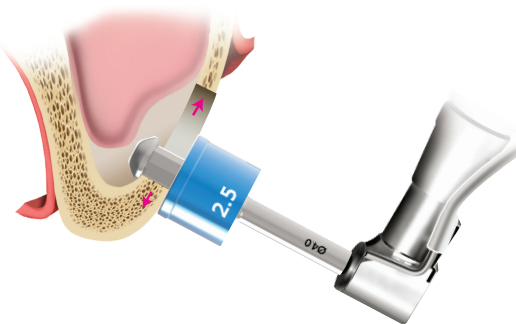


## 5. Ø4 Side Cutter 800~1,000 rpm

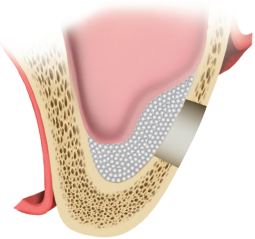
- > When you expand Window, must be connected with Stopper.



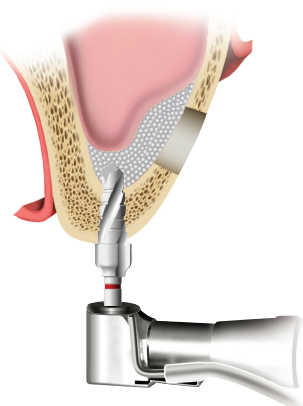
Code KSC60



## 6. Sinus Bone Graft



## 7. Implant Drill (Final)



## 8. Implant Placement

