

# Sinus Master kit

Crestal & Lateral Approach Technic



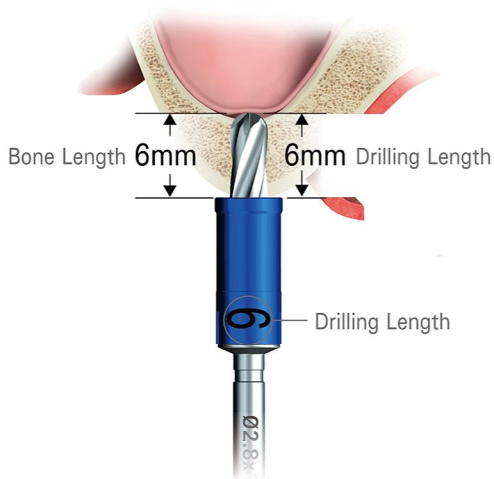
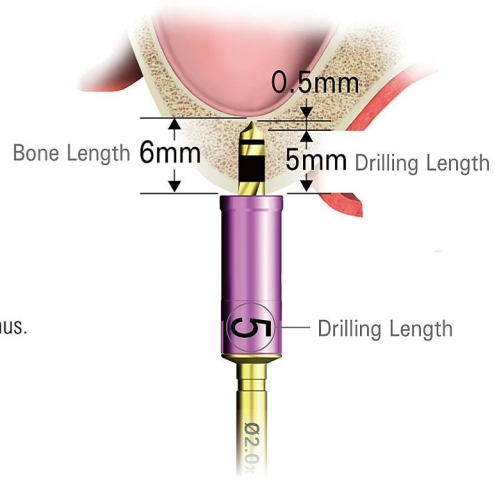
# Crestal Approach Technic

It is a Sinus Technic that uses low speed drilling (50~100rpm) and a stopper. It allows puncture safely and quickly cortical wall and lift the membrane.

## 1 Drilling Initial Drill

The depth of the drill is based on the bone thickness below the maxillary sinus. Drill just before puncturing the maxillary sinus.

**Caution** Always use a stopper when adjusting the depth.  
No irrigation.  
Low speed drilling(50rpm).



## 2 Maxillary sinus puncture Sinus Drill

Based on the bone height beneath the maxillary sinus that was measured with CT, attach a stopper to the drill so that the drill is the same length as the bone height.

**Caution** Always use a stopper when adjusting the depth.  
No irrigation.  
Low speed drilling(50rpm).

## 3 Sinus membrane lift Membrane Lifter

Inject the saline solution into the drill hole using the membrane lifter.

**Caution** Injection amount must be measured excluding the first 0.2cc, and after you feel the pressure. The injection amount may be different depending on the height of the bone or expanded space, but usually it is 0.1cc per 1mm.

\*Refer to the Note next page

### Note Case where sinus bone(A) is opened well

You can feel the pressure when injecting the saline solution and after the membrane is lifted, the pressure drops and saline is injected in the space.

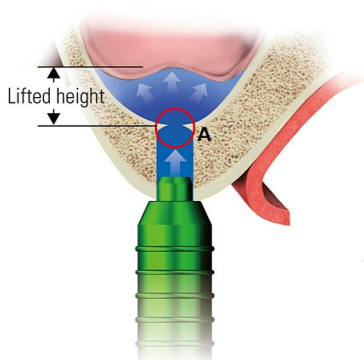
### Note Case where sinus bone(A) is not opened well

After you feel the pressure, the nozzle is pushed out and no more pressure can be forced.

-> Make a second attempt after drilling 1mm deeper with a sinus drill

\*Perform Saline aspiration with a nozzle still in the hole.

If negative pressure can be felt after the injected saline and blood mix together to form an aspiration, the membrane is safely lifted.

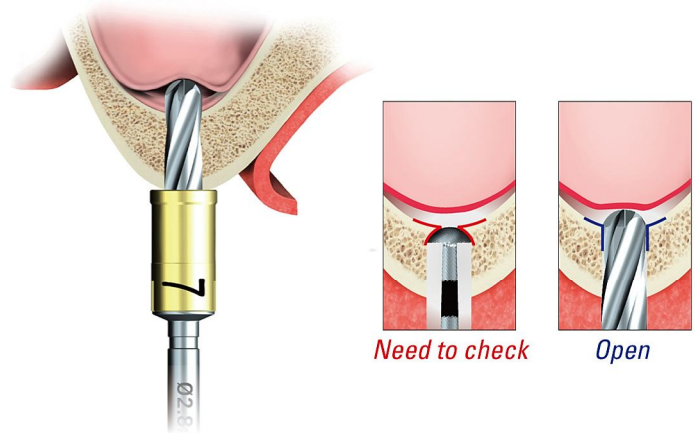


# 4

### Sinus bone expansion Sinus Drill(2<sup>nd</sup>)

After lifting the sinus membrane, drill 1mm deeper with a sinus drill to expand the entrance to the sinus.

**Caution** Must use a stopper to adjust the depth  
No irrigation.  
Low speed drilling(50rpm).



# 5

### Inject bone graft material Bone condenser

Using a Bone Condenser, push the bone grafting materials through the drill hole up to the maxillary sinus.

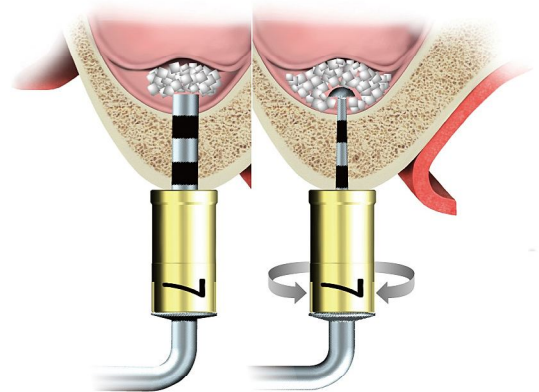
**Note** Decide on the volume of bone graft material

Sinus membrane lifted height(mm)		1	2	3	4	5	6	7	8	9	10
Bone graft GBR (cc)	For immediate Implant placement	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	For delayed Implant placement	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0

#### Bone graft material dispersion

Evenly disperse the bone graft material by spinning the depth gauge inside the sinus.

**Caution** Must use a stopper to adjust the depth



# 6

### Final Drilling Final Drill

Drill 2mm deeper than the previous Sinus Drill.

**Caution** Use a drill shorter than the implant itself.

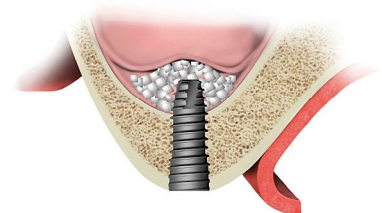


# 7

### Implant Placement

The implant that entered the sinus, disperses the bone graft materials. If the amount of remaining bone is more than 4mm, initial fixation can be achieved, and temporary prosthetic can be placed after immediate placement .

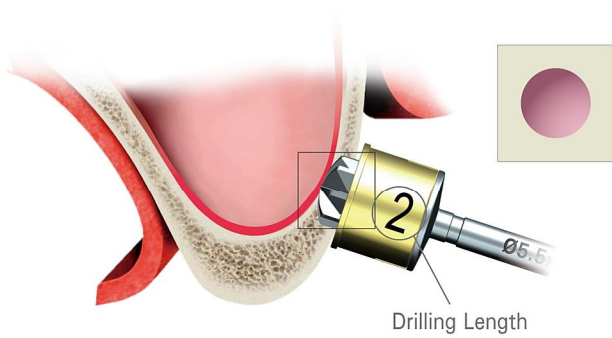
**Caution** If the amount of remaining bone is very thin – less than 3mm – and initial fixation cannot be achieved, only perform sinus bone graft and do not proceed with implant placement.



# Lateral Approach Technic

It is possible to use a Round Drill and a Core Drill to safely and quickly lift the membrane with low speed drilling (5~100rpm) and stopper attachment as a base. **Sinus Master kit**

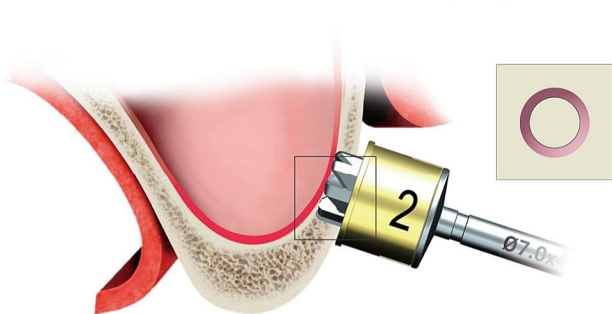
# Lateral



## 1-A Drilling Round Drill

It is possible to drill in a round shape

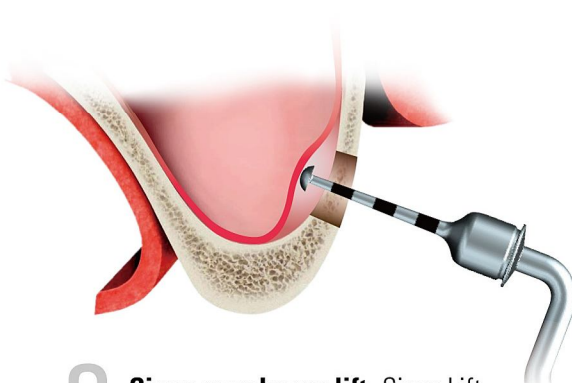
**Caution** Always use a stopper when adjusting the depth. / Irrigation / 1,200~1,400rpm).



## 1-B Drilling Core Drill

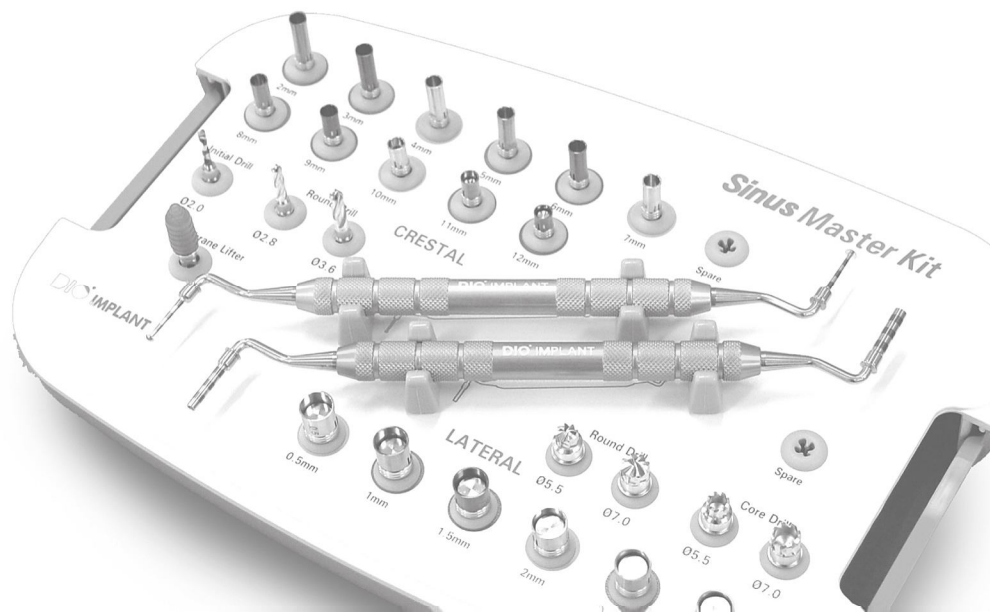
It is possible to drill the edge of the round shape. Restore the remaining bone in the center after sinus lift is complete

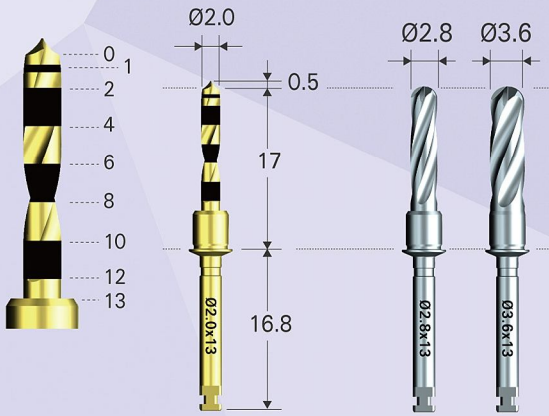
**Caution** Always use a stopper when adjusting the depth. / Irrigation / 600~800rpm).



## 2 Sinus membrane lift Sinus Lift

Lift the membrane in a lateral aspect





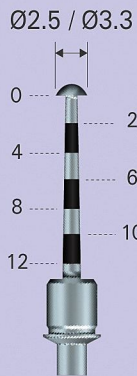
**Ø2.0 Initial Drill**  
SID 2013

**Round Drill**  
SRD 2813 / SRD 3613

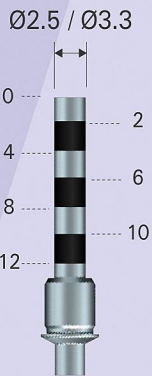


**Stopper** \*Always use a stopper to adjust the drilling length.

# Crestal



**Depth Gauge**  
SDG 2533



**Bone Condenser**  
SBC 2533



**Membrane Lifter**  
WML 6627



Order Code SMK 01

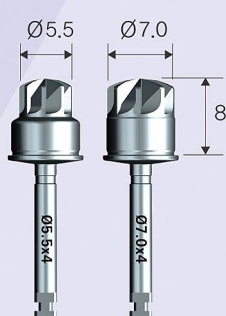
**Sinus Master Kit**

\*Bottom Case  
**Square Wrench**  
DSW 050

\*Option  
**Membrane Lifter Tube**  
MLT 40300

**Membrane Lifter Syringe**  
SY-5CC

# Lateral



**Round Drill**  
SLRD 5504 / SLRD 7004



**Core Drill**  
SLCD 5504 / SLCD 7004



**Stopper** \*Always use a stopper to adjust the drilling length.

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