

Lateral approach sinus kit safely raise  
the sinus membrane without perforation

# LAS Kit

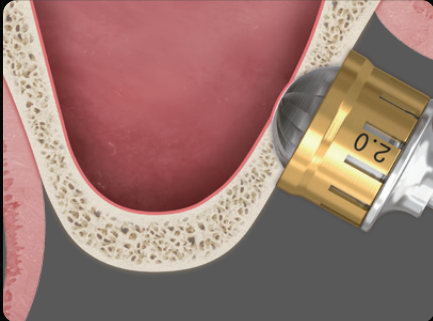
- Perform a safe surgery without membrane perforation
- Forms the fastest and most stable window
- Most convenient and detailed depth adjustment



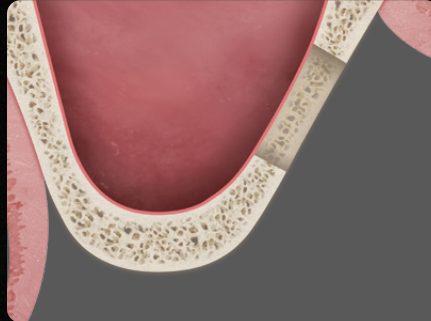
**HROSSEN**  
IMPLANT

## Minimizes the risk of membrane perforation

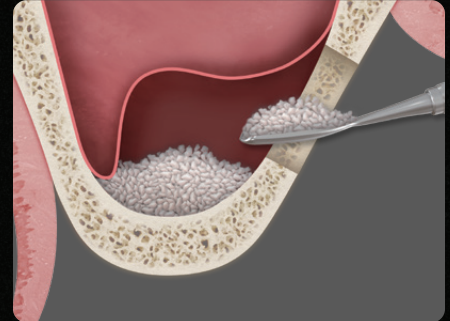
- Placing dental implants in the posterior maxilla can be a challenging surgical procedure because of the reduced bone height due to the presence of the sinus.
- Hiossen® implant's Lateral Approach Sinus Kit, or LAS-kit, is designed for a safe sinus lift to aid in the augmentation of the sinus bone.



Preparation for lateral window



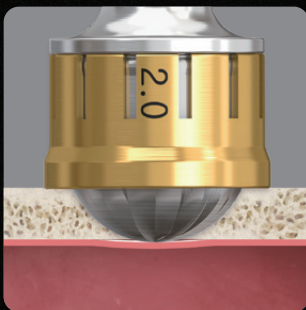
Window extension



Bone grafting

## Dome drill

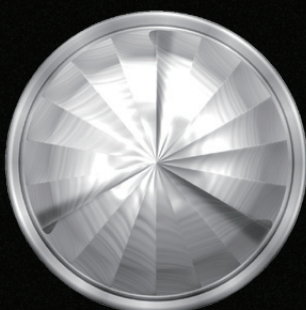
- Minimizing direct contact with the membrane by forming a bone lid
- Effective depth control with stopper system (0.5mm increment). Prevents from soft tissue damage



Cutting Speed: 1,200-1,500rpm



Case by Dr. D.H. Lee



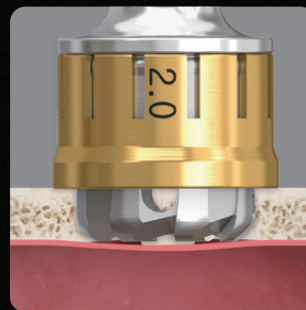
Formation of bone particles between the cutting blades



## Core drill

- Round-shaped cutting edge minimizes direct contact with the membrane
- The inverse conical drill tip and round edge design helps prevent membrane perforation

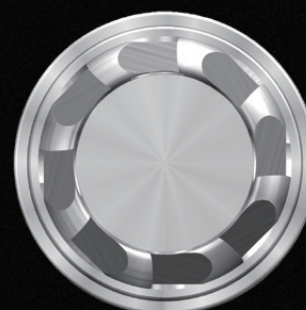
\* **Caution:** Over drilling may cause membrane perforation.



Cutting Speed: 1,200 -1,500rpm



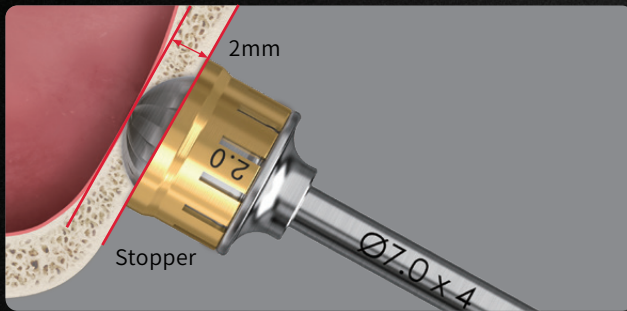
Case by Dr. Y.S. Cho



Autogenous bone chips are collected between cutting edges



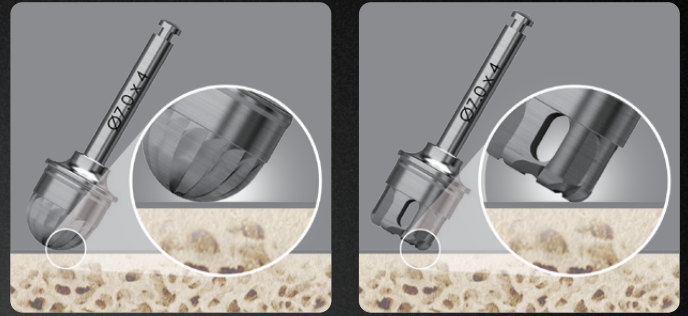
## Provides simplicity to control residual bone depth



- Drilling depth controlled with effective stopper system (0.5mm increment) and prevent soft tissue damage.
- A total of 6 stoppers:



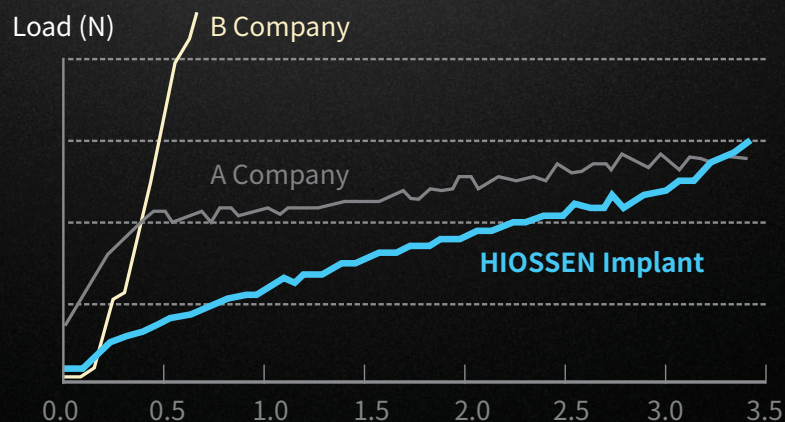
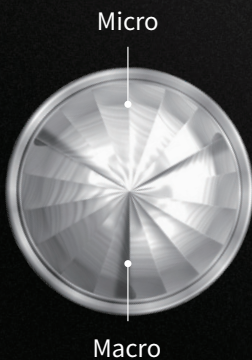
## Convenient to use even for limited space at surgical site



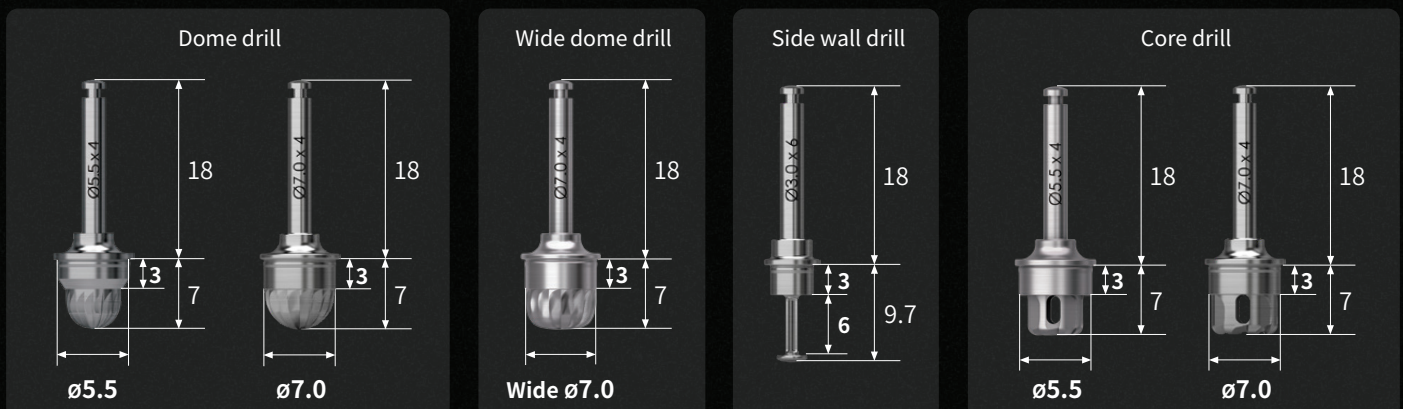
- To perform an osteotomy, the blade head can be perpendicular to the bone.
- The drill can be tilted to access the limited space at the surgical site

## Excellent cutting ability of the Dome and Core drills

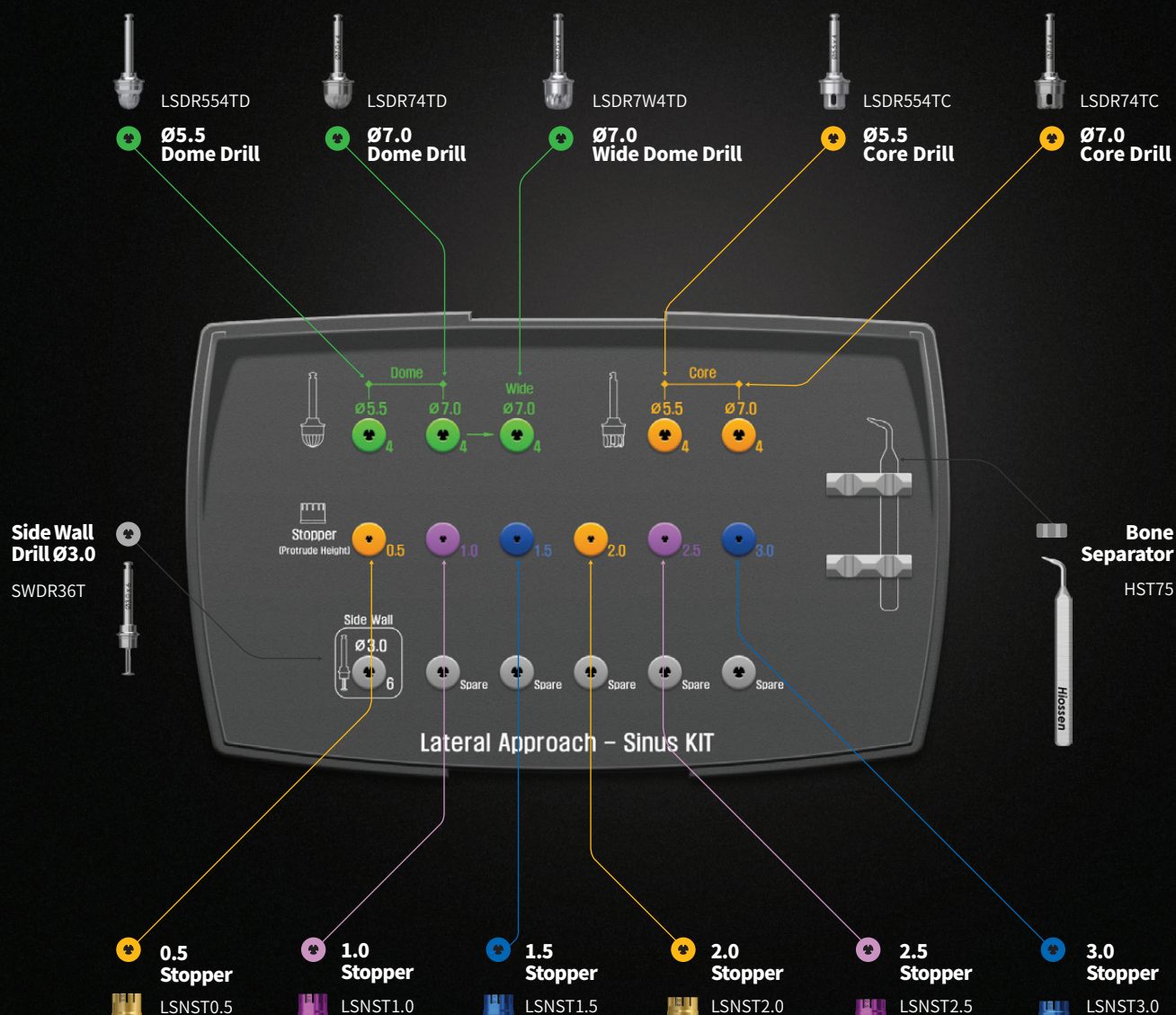
- Reduces chair time due to high-speed drills.
- Macro and Micro cutting blades offer excellent cutting.



## Drills specification



## LAS Kit layout and components



	Drill	Main feature	Stoppers	Cutting speed
1	Dome drill	Creates window while collecting autogenous bone.	Drilling depth controlled with effective stopper system	1,200 - 1,500 rpm
2	Wide dome drill	Used to widen the window after using Dome drill.	Drilling depth controlled with effective stopper system	1,200 - 1,500 rpm
3	Core drill	Creates window whilst creating bone lid to minimize direct contact. Follows successful inverse conical shape design concept of CAS drills.	Drilling depth controlled with effective stopper system	1,200 - 1,500 rpm
4	Side wall drill	Enlarges the window after using Dome drill. Recommend to use cutting edge 1mm from the bottom.	Can be used with CAS-Kit Stoppers	1,500 rpm