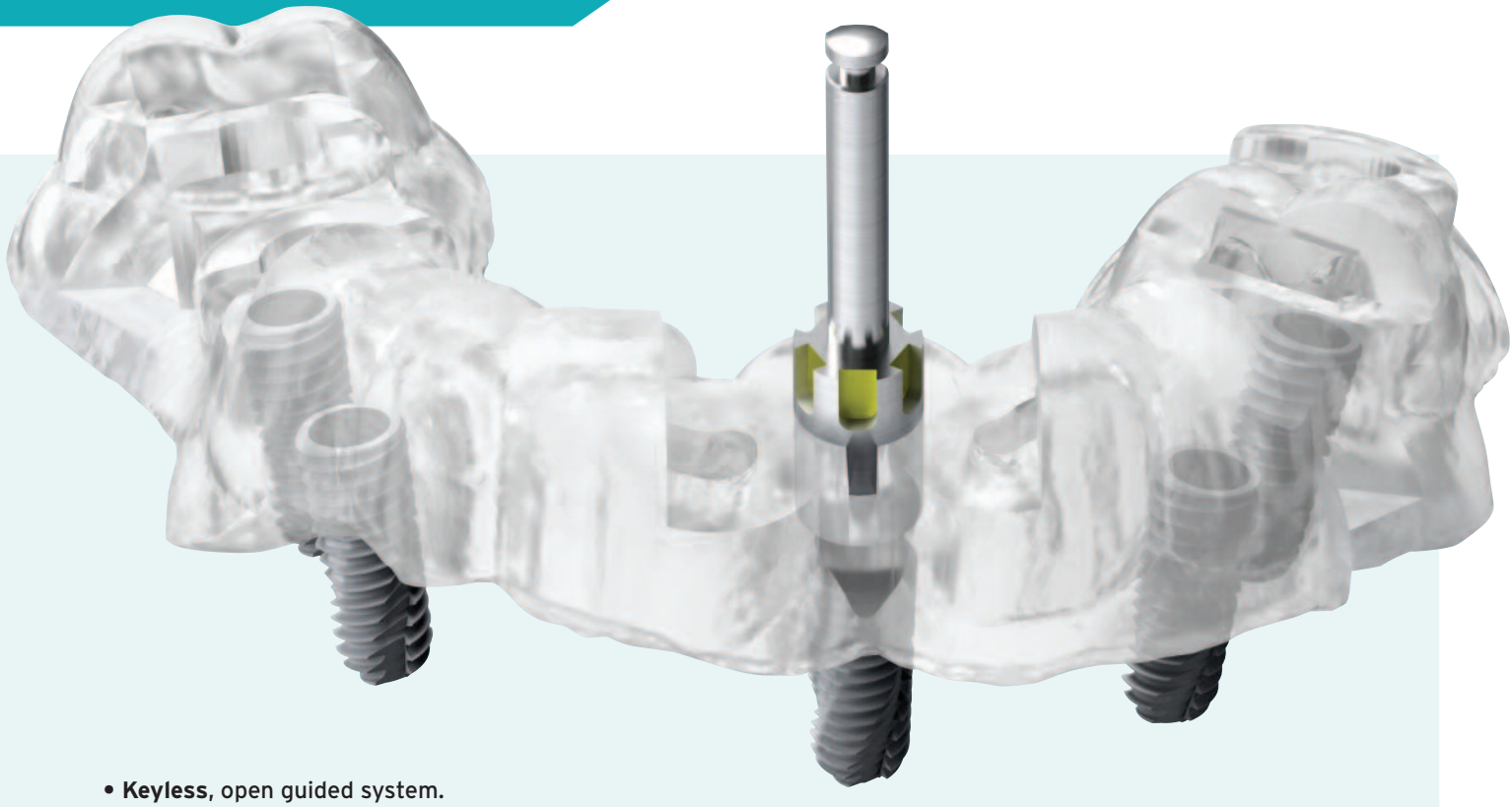
OneGuide KIT

Keyless
open guided
surgery kit

OSSTEM IMPLANT

OneGuide KIT

Keyless, precise, open guided surgery kit, designed to allow for more accurate, efficient and safe surgery with minimal error and drill heating.



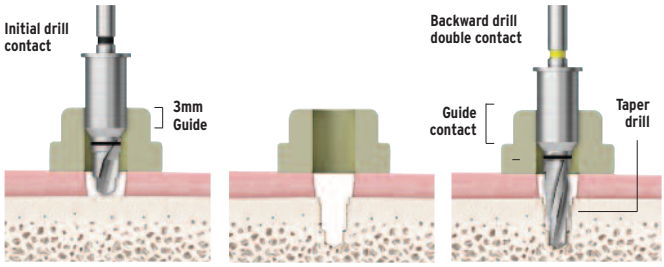
- **Keyless**, open guided system.
- **Compatible** with most in-surgery software systems.
- **Tapered design** drilling sequence.
- **Easier implant placement in the posterior region.** The keyless design allows easier drilling sequence and implant placement where patients have limited opening, allowing the drill to be inserted through the side window.

- **Reduced movement** as the drills included in the kit minimise movement during the drilling process.
- **Reduced heat at drill site.** A side opening in the OneGuide drills facilitates a water supply, cooling the contact area to prevent heating at the drill site.
- **Shorter drilling steps.** Drilling steps are shortened dramatically by adopting 122 concepts, using different techniques according to bone density.

Precise surgery with unshaken drilling

Initial drilling:
Smart design which allows the parallel part of the drill to be in the stent for up to 3mm prior contact with the bone.

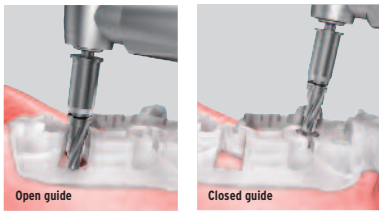
Backward drilling:
Allows precise drilling as the drill is always in contact with the guide area, due to tapered drill.



Easy access to the back of the mouth

A lateral window can be designed in the stent which facilitate drilling in the posterior region even with limited mouth opening.

Intermaxillary space:
OneGuide - 36mm,
Conventional guide - 51mm

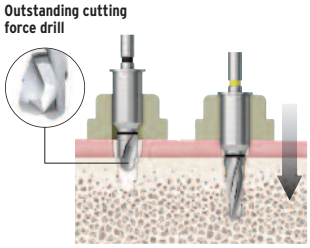


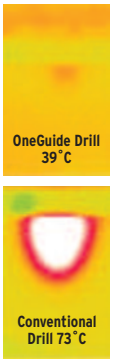
Insufficient intermaxillary space

Sufficient intermaxillary space

Reduce bone heating

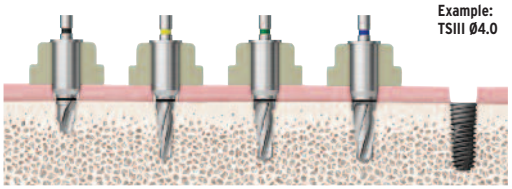
Enables fast drilling without heating, due to the OneGuide's side opening, facilitating douche, whilst still allowing the outstanding cutting force of the drill. (Recommended rpm: 800~1200rpm)





Shortening drilling steps dramatically by adopting 122 Concepts

2 ~ 4 Drilling to implant placement protocol depending on bone density.



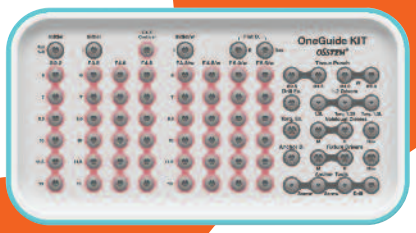
Bone Density	Initial	F3.5	F4.0	F4.5	Fixture
Soft	▲	▲			
Normal	■	■	■		Implant placement
Hard	●	●	●	●	

The Digital Workflow

Data Preparation

Treatment Planning

OneGuide
Guided Surgery



Digital Scanning

Prosthetic Design

Prosthetic Fabrication

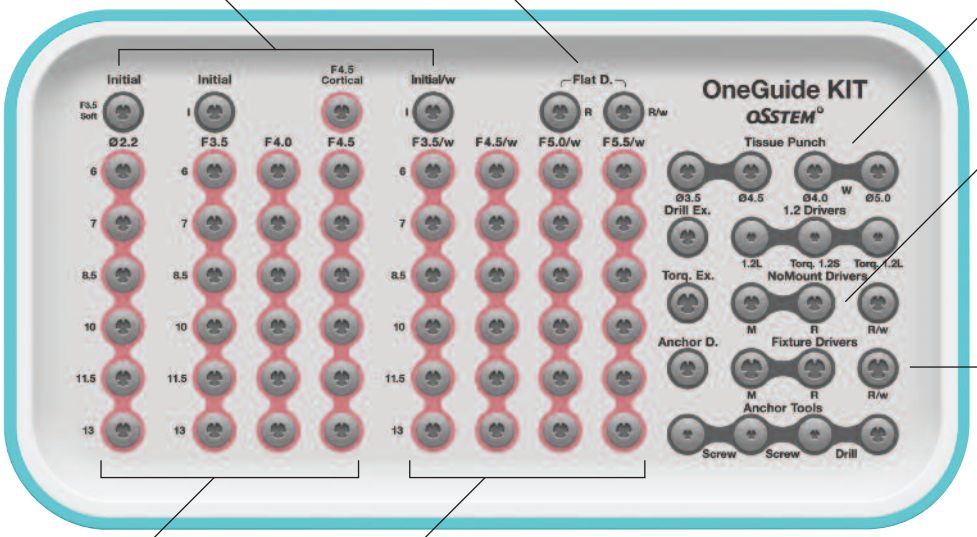
OneGuide KIT

This keyless guided surgery kit is designed to be simple and safe. Featuring several precise drilling tools and guide development from Hiossen® Implant, this kit allows for more accurate, efficient and safe surgery with minimal error and drill heating.

Initial Drill
- Implant location decision after Tissue punch.
- Securing the guide depth of backward drill
- Composed of 3 kinds of tools (under F4.5/only for F5.0/ only for F3.5 soft bone).

Flattening Drill
- Using for the ridge with narrow or uneven.
- Enabling Stable cutting without splattering with many of cutting edges.
- Composed of 2 kinds of tools (under F4.5/only for F5.0).

Tissue Punch
Diameter Ø3.5, Ø4.0, Ø4.5 & Ø5.0.
Only for Tissue cutting.



NoMount Driver
F3.5: Ø5.0
F4.0/4.5: Ø5.0
F5.0: Ø5.7.
Only for OneGuide.

Fixture Driver
F3.5 F4.0/4.5 & F5.0.
Only for OneGuide.

F4.5 (Ø5.0 template hole)

Ø2.2 F3.5 F4.0 F4.5

F5.0 (Ø5.7 template hole)

F3.5 F4.5 F5.0 F5.5

OneGuide Drill
- The taper drill optimized for TSIII/IV fixture (possible to implant diameter Ø3.5~5.0, length 7~13mm fixture).
- Stable drilling with multistage structure.
- Composed of 2 kinds of tools (under F4.5, only for F5.0).

Drilling Sequence

Fixture Diameter	Bone Density	Initial	Ø2.2	F3.5	F4.0	F4.5	F5.0	F5.5	Fixture
F3.5	Soft	▲	▲						
	Normal	■		■					
	Hard	●		●		●			
F4.0	Soft	▲		▲					
	Normal	■		■		■			
	Hard	●		●			●		Implant placement
F4.5	Soft	▲		▲		▲			
	Normal	■		■			■		
	Hard	●		●			●	F4.5 cortical	
F5.0	Soft	▲		▲			▲		
	Normal	■		■				■	
	Hard	●		●				●	

HIOSSEN
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