

Computer Guided Surgery Outstanding in Surgical Precision and Convenience

OSSTEM[®]
IMPLANT

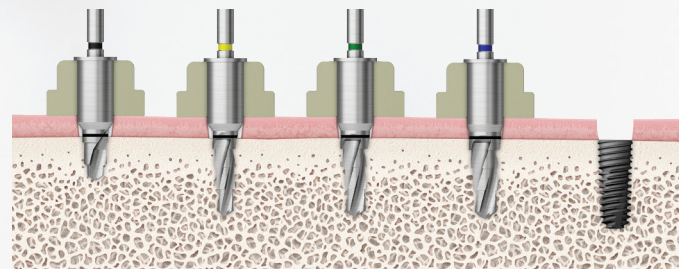
OneGuide

- Shortening drilling steps dramatically by adopting 122 concepts
- Possible to implant teeth No. 7 in spite of intermaxillary space limit through Side open
- Possible to do precise surgery with unshaken drilling
- Possible for fast surgery without worrying about Heating

Innovation 1. Shortening Drilling Steps Dramatically by Adopting 122 Concepts

- Possible to implant from 2 ~ 4 steps only according to bone quality

ex.TSIII Ø4.0



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

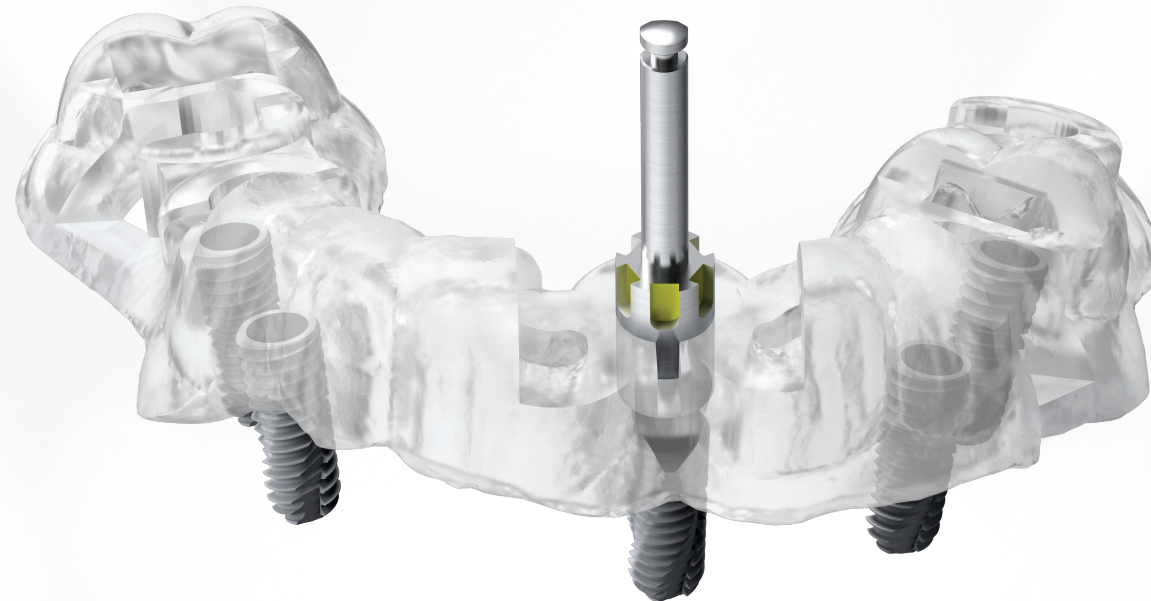
Innovation 2. Possible to Implant Teeth No. 7 in Spite of Intermaxillary Space Limit Through Side Open

- As the drill is inserted through side window according to patients oral status, possible to solve intermaxillary space limit perfectly.
- Required intermaxillary space: OneGuide-36mm, Conventional guide-51mm
- Available to choose open or closed if required

Insufficient intermaxillary space

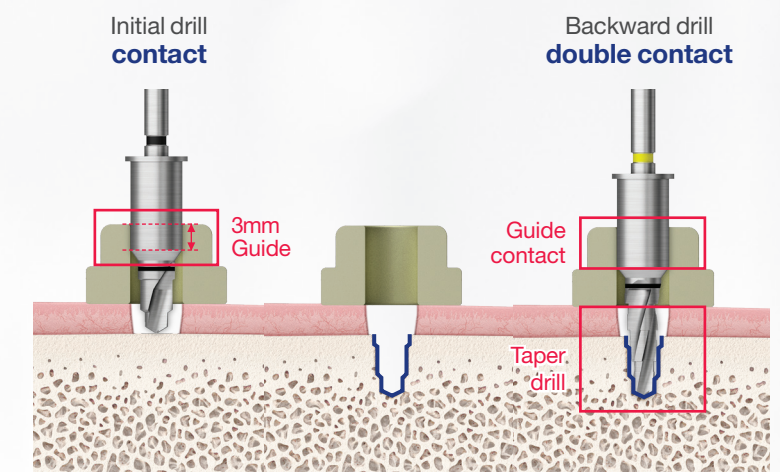


Sufficient intermaxillary space



Innovation 3. Possible to do Precise Surgery with Unshaken Drilling

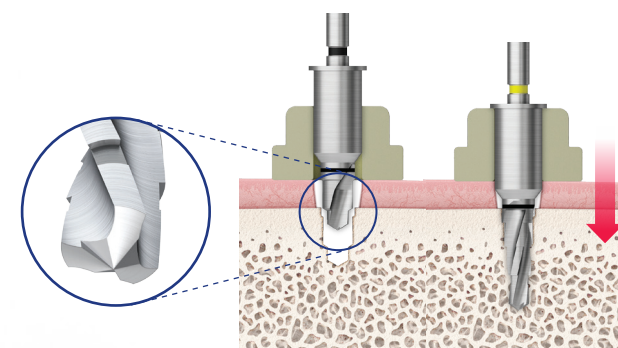
- Initial drilling :
Precise drilling available as the drill can be contacted with guide area within 3mm.
- Backward drilling:
Precise drilling available as the drill is contacted with guide area always due to taper drill effect.



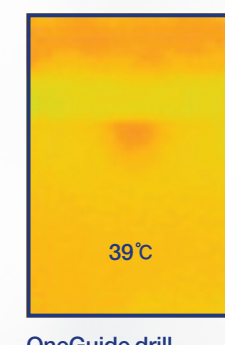
Innovation 4. Possible for Fast Surgery Without Worrying About Heating

- Enabling fast drilling without heating through side open which facilitates douche from OneGuide and outstanding cutting force of drills. (Recommended rpm: 800~1200rpm)

Outstanding cutting force drill



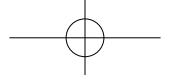
Side open facilitating water supply



OneGuide drill



Conventional drill



OneGuide KIT

1. 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)



2. Flattening Drill

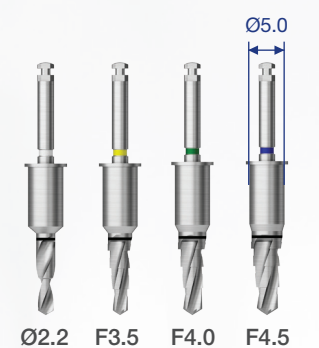
- Using for the ridge with narrow or uneven
- Enabling Stable cutting without splattering with many of cutting edges
- Composed of 2 kinds of tools(under F4.5/ only for F5.0)



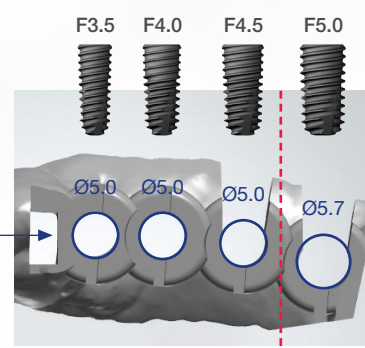
3. OneGuide Drill

- 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)

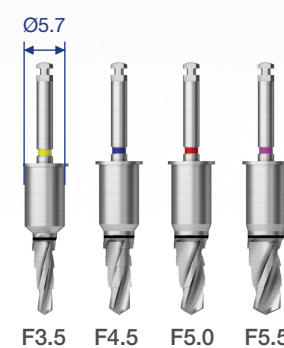
F4.5 이하 (Ø5.0 template hole)



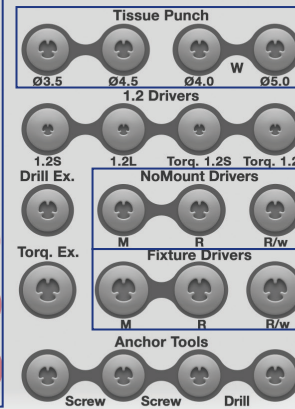
*OneGuide template hole concept



F5.0 (Ø5.7 template hole)



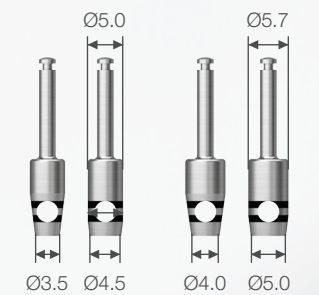
OneGuide KIT



4. Tissue Punch

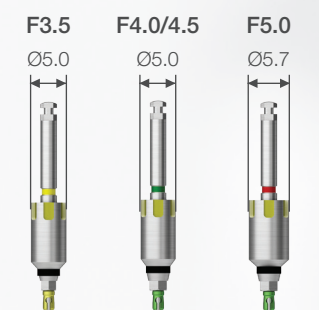
- The tools only for Tissue cutting

Under F4.5 Only for F5.0



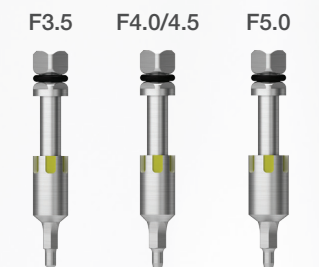
5. NoMount Driver

- Only for OneGuide



6. Fixture Driver

- Only for OneGuide



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	●		●	●	●			
F4.5	Soft	▲		▲	▲				
	Normal	■		■	■	■			
	Hard	●		●	●	●	●	● F4.5 cortical	
F5.0	Soft	▲		▲	▲	▲			
	Normal	■		■	■	■	■		
	Hard	●		●	●	●	●	●	

Implant placement

Workflow

