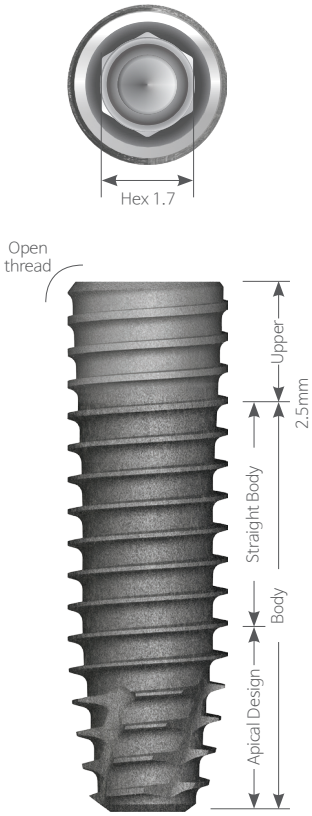
UFⅡ Specifications & Implant Size Recommendations

1. UFⅡ Implant Specifications

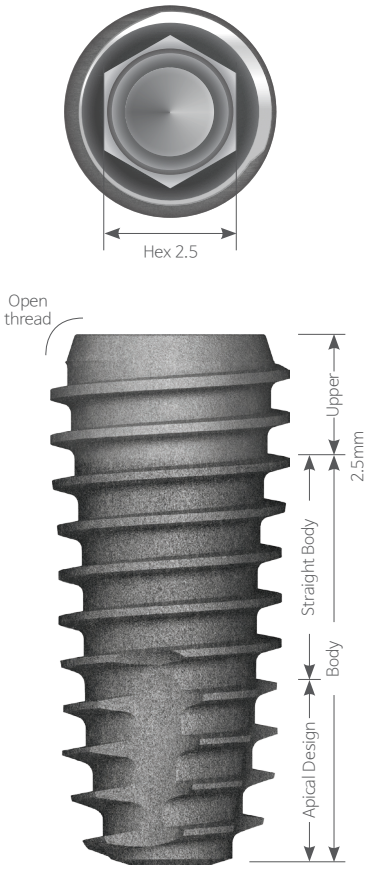
UFⅡ Narrow



D Ø3.0 | Ø3.3
L 8.5 | 10 | 11.5 | 13 | 15

HSA UV Active

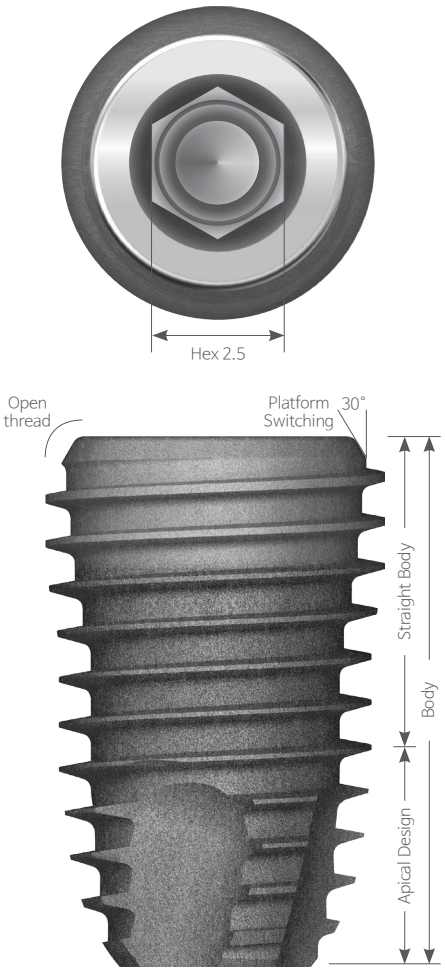
UFⅡ Regular



D Ø3.8 | Ø4.0 | Ø4.5 | Ø5.0 | Ø5.5
L 7 | 8.5 | 10 | 11.5 | 13 | 15 | 16 | 18

HSA UV Active Mg+
※Korea only

UFⅡ Wide



D Ø5.9 | Ø6.4 | Ø6.9
L 7 | 8.5 | 10 | 11.5 | 13 | 15

HSA UV Active
※ Ø6.9 not included

UFⅡ Specifications & Implant Size Recommendations

2. Implant Diameter Recommendations

Tooth Number	#1	#2	#3	#4	#5	#6	#7
Fixture Dimeter	Ø3.8	Ø3.8	Ø4.5	Ø4.5	Ø4.5	Ø5.5	Ø5.5
Abut. Dimeter	Ø4.5	Ø4.5	Ø4.5	Ø4.5	Ø4.5	Ø5.5	Ø5.5

Tooth Number	#1	#2	#3	#4	#5	#6	#7
Fixture Dimeter	Ø3.0	Ø3.3	Ø4.0	Ø4.5	Ø5.0	Ø5.5	Ø5.5
Abut. Dimeter	Ø4.0	Ø4.0	Ø4.5	Ø4.5	Ø5.0	Ø5.5	Ø5.5

Placement after molar extraction

Fixture Dimeter	Ø6.0	Ø6.5	Ø7.0

Insufficient vertical bone quantity

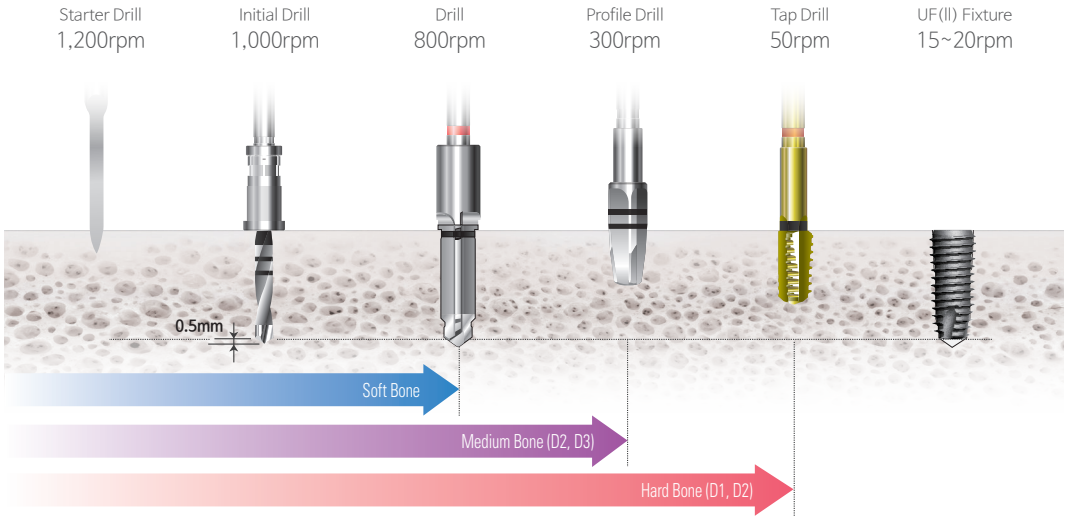
Fixture Dimeter	Ø4.5	Ø5.0	Ø5.5	Ø5.9	Ø6.4	Ø6.9
Fixture Length	7mm					

※ This chart contains recommendations only.
Actual clinical conditions and the clinician's assessment of the patient should be the main criteria for implant selection.

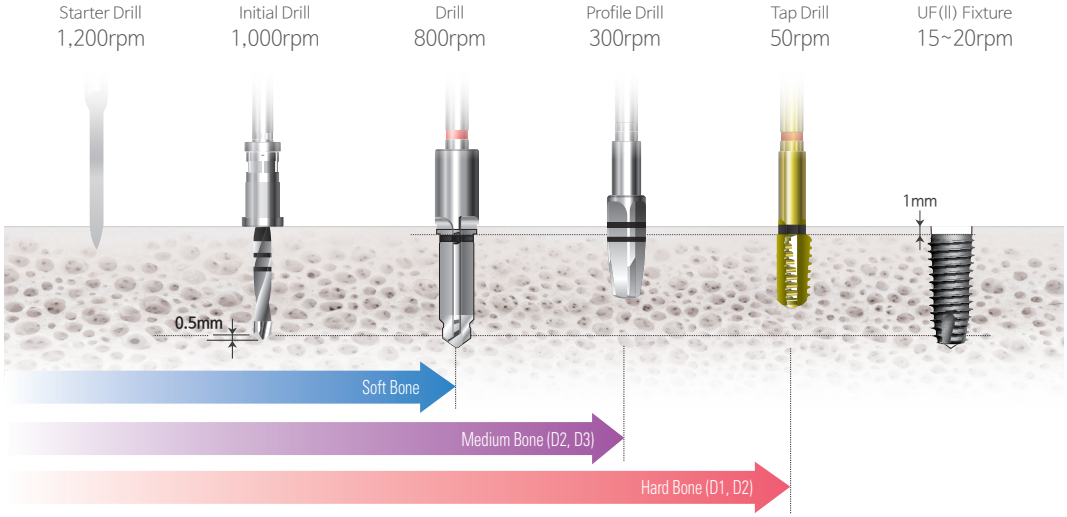
UF Ⅱ Protocols based on Various Parameters

1. Drilling Protocol by Bone Quality

Bone Level

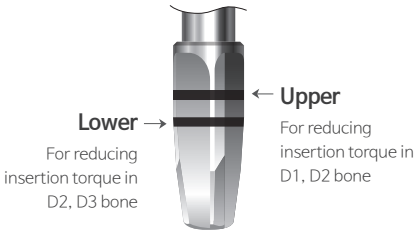


Under-drilling

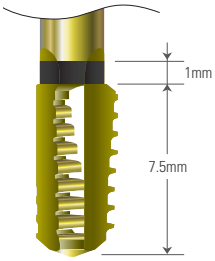


Profile Drill

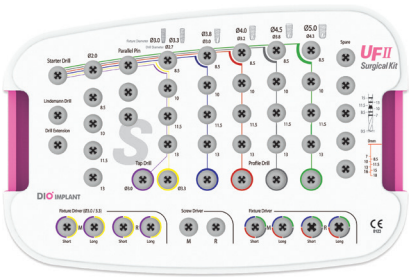
Drilling depth can influence primary stability



Tap Drill



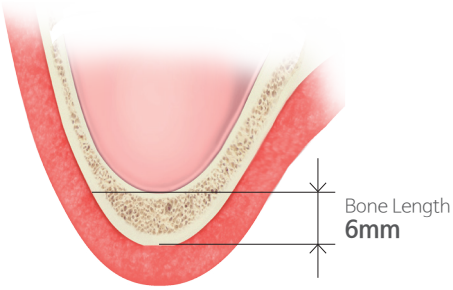
UF Ⅱ Surgical Kit



UF Ⅱ Protocols based on Various Parameters

2. Surgical Protocol by Implant Case

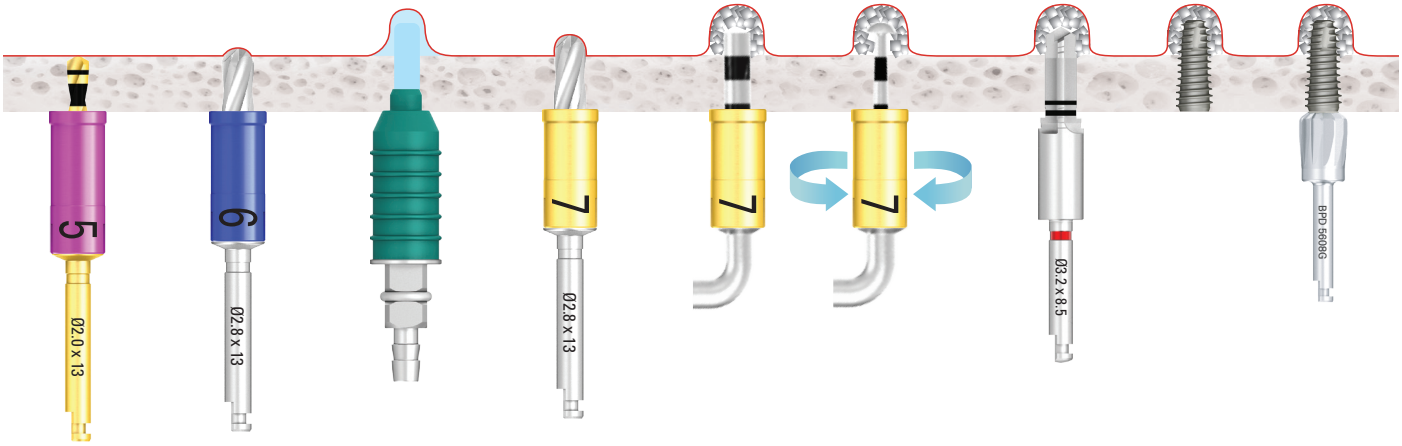
Sinus case (Crestal Approach Technic)
Use implants larger than Ø4.0



UF(II) Sinus Master Kit

UF(II)4010 UF(II) Ø4.0 Fixture

Drill to 1-2mm Beneath Sinus Floor	Create Opening	Lift using Hydraulic Pressure	Enlarge Drill Hole	Check Hole Opening and Harvest Bone Graft	Final Drilling	Placement	Option



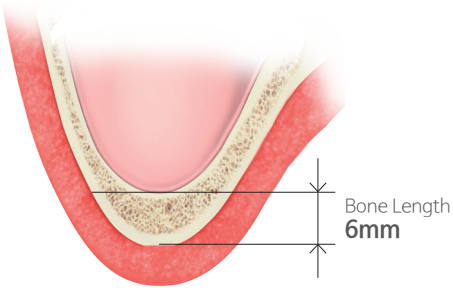
Drill 1-2mm below bone height	Drill in level with bone height
Without irrigation / 50rpm	Without irrigation / 50rpm

Drill shorter than implant length	Bone Profile Drill
Without irrigation / 50rpm	Without irrigation / 100 rpm

UF Ⅱ Protocols based on Various Parameters

2. Surgical Protocol by Implant Case

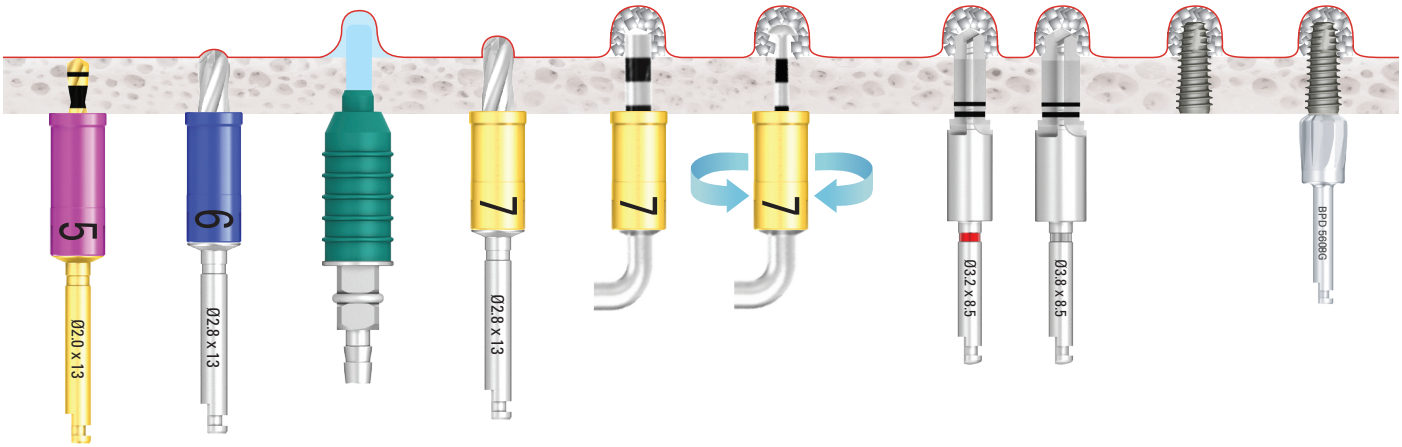
Sinus case (Crestal Approach Technic)
Use implants larger than Ø4.0



UF(II) Sinus Master Kit

UF(II)4510 UF(II) Ø4.5 Fixture

Drill to 1-2mm Beneath Sinus Floor	Create Opening	Lift using Hydraulic Pressure	Enlarge Drill Hole	Check Hole Opening and Harvest Bone Graft	Final Drilling	Placement	Option

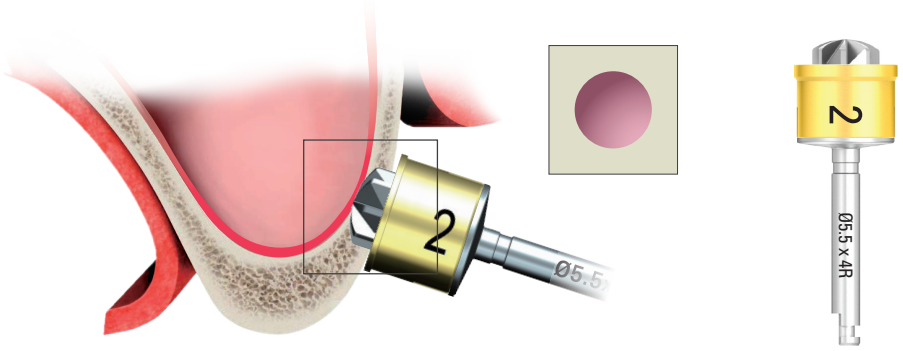


UF Ⅱ Protocols based on Various Parameters

3. Sinus case (Lateral Approach Technic)

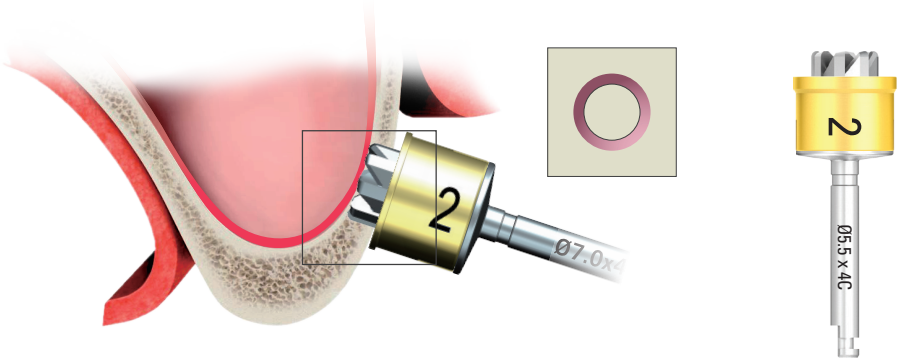
Round Drill

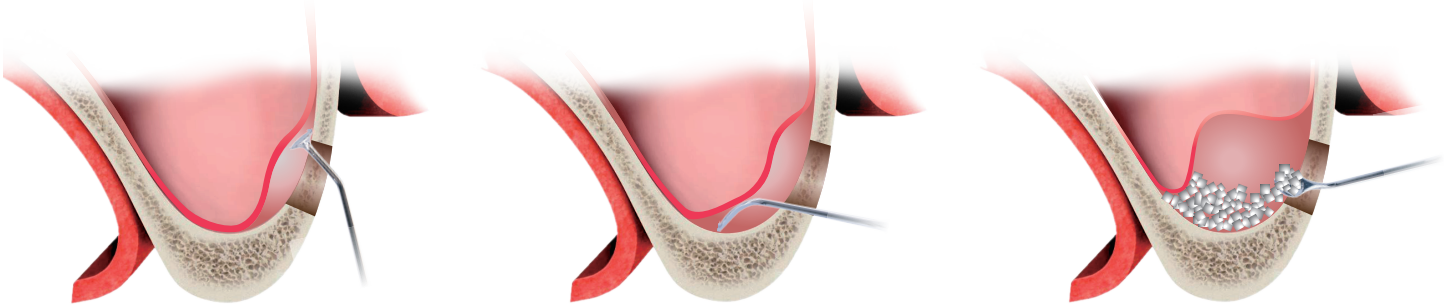
1200 - 1400 RPM



Core Drill

600 - 800 RPM





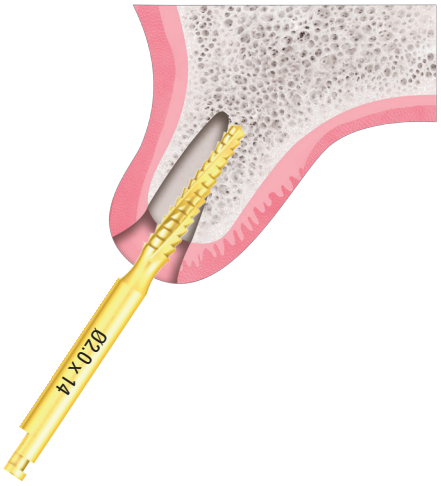
① Probe membrane ② Lift membrane ③ Harvest bone

UF Ⅱ Protocols based on Various Parameters

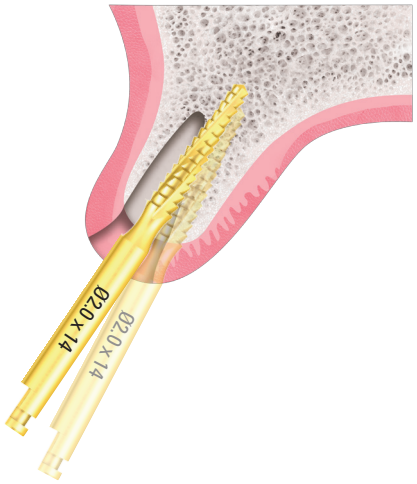
4. Extraction socket (Maxilla anterior case)

① Mark the initial position using the Starter Drill

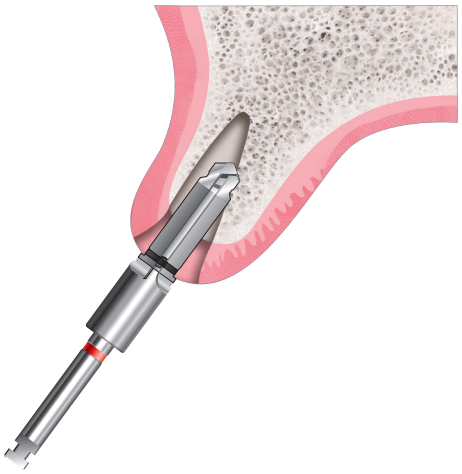
② Perform the initial drilling using the Lindemann Drill



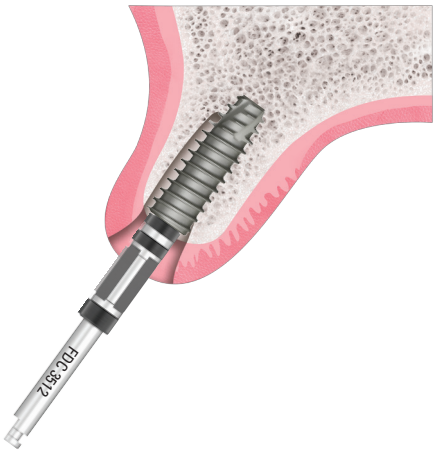
③ Partially cancel the lingual bone using the Lindemann Drill



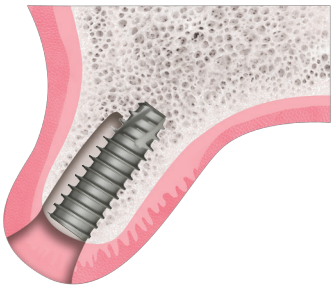
④ Drill using the Final Drill



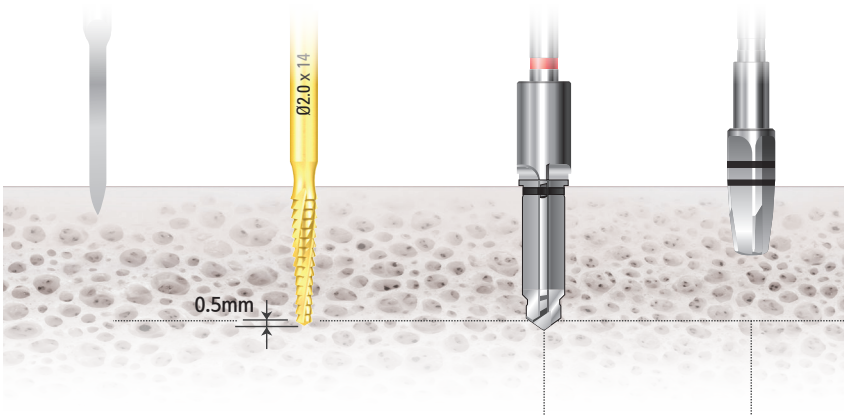
⑤ Place the implant



⑥ Placement completed



Surgical Protocol



UF Ⅱ Protocols based on Various Parameters

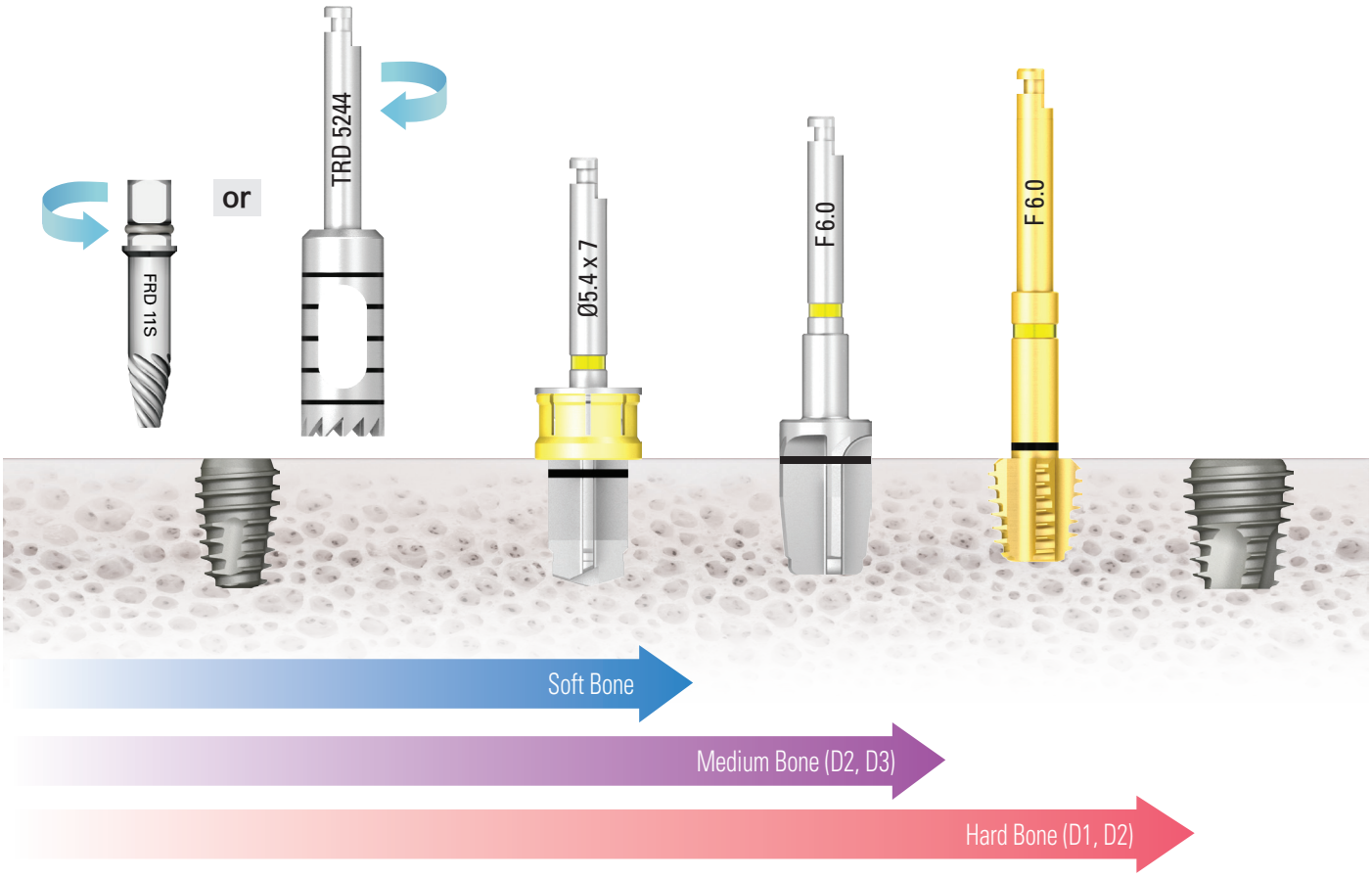
5. Replace failed Implant

Fixture Removal

If the fixture removal torque is above 150Ncm, user is advised to drill to 2/3 of the fixture length using the Trephine Drill, and use the fixture removing driver for removal.

UF(II) Ø4.5 Implant → UF(II) Ø6.0 Implant

Remove Implant	Drilling	Final Drill



Fixture Removing Driver	Final Drill _ 300 rpm	Profile Drill _ 300 rpm	Tap Drill _ 50 rpm
Trephine Drill _ 300 rpm			

UF Ⅱ Protocols based on Various Parameters

6. Vertical Bone Augmentation

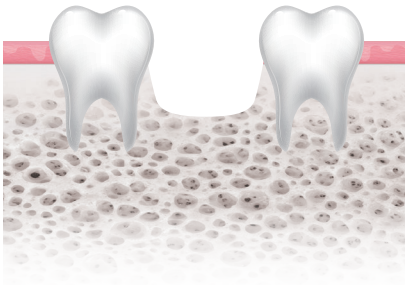
① Indications | Buccal bone grafting, bone grafting for treatment of peri-implantitis, implant surface exposure due to insufficient alveolar bone, bone grafting after implant surgery in extraction socket, placement in sinus with insufficient bone quantity.

② Adopted Products | Bone Forming Cover Screw

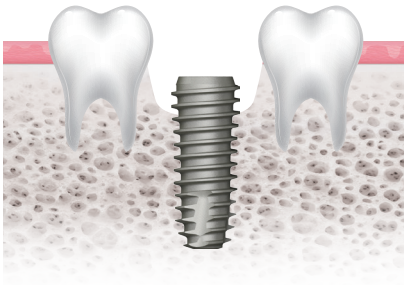
③ Instructions

Vertical Bone Loss

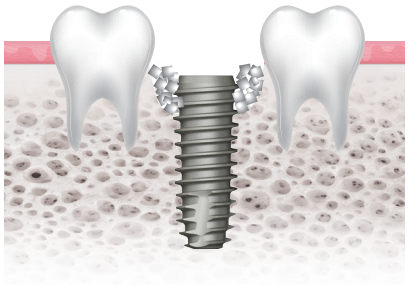
① Alveolar bone loss



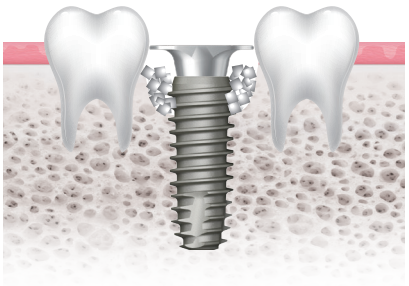
② Insert the fixture in the alveolar bone loss area



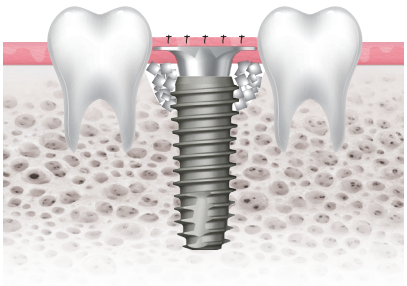
③ Insert bone graft



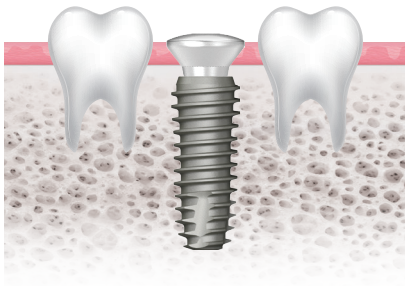
④ Temporarily attach the bone forming cover screw on the implanted fixture



⑤ Suture and close the area

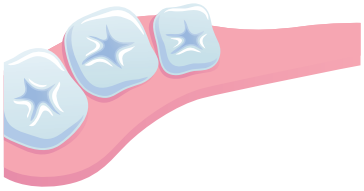


⑥ After recovery of the alveolar bone, attach the healing abutment

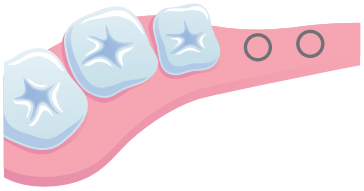


Buccal Bone Loss

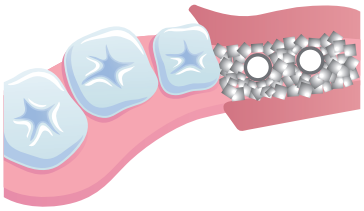
① Buccal bone loss



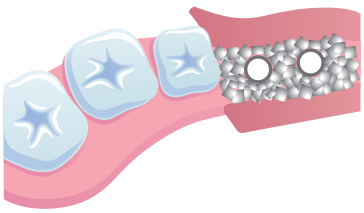
② Insert the fixture in the buccal bone loss area



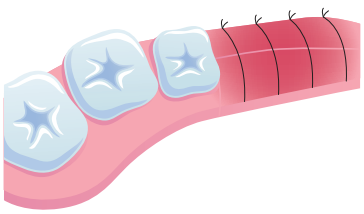
③ Insert bone graft in the resorbed area



④ Attach the bone forming cover screw



⑤ Suture and close the area



⑥ After recovery of the alveolar bone, attach the healing abutment

DIO IMPLANT

Precautions for Dental Implant Procedures

Swelling

Apply ice or cold pack for 1-3 days to prevent or minimize swelling.

Bleeding

Place a gauze pack over bleeding area and bite down firmly for 2 hours or more. Swallow any saliva and blood.

Food intake

Do not drink from a straw. Avoid eating hot or spicy food.

Bathing

Avoid aggressive exercise and steam baths for at least 1 week.

Drinking & Smoking

Refrain from smoking and drinking alcoholic beverages for at least 1 month.

Regular Check-up

Visit the clinic for regular check-ups to ensure longevity of implants.

If you have any questions regarding after-care or feeling discomfort following surgery, please contact the clinic.