Ver **1.0**
(EN)

The oral care
solution creator

UNICON IMPLANT SYSTEM

Product Catalog



DIO CO., LTD. | 66 CENTUMSEO-RO, HAEUNDAE-GU, BUSAN, KOREA | www.dioimplant.com

D:O IMPLANT

UNICON IMPLANT SYSTEM

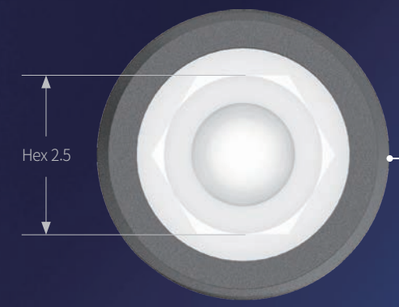
Product Catalog

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Tel. +81-51-745-7777
www.dioimplant.com

UNICON **Fixture**

At the culmination of our R&D journey for better clinical outcomes and solutions, we proudly present the UniCon Implant, the pinnacle of the 11° connection. UniCon Implant integrates a unified prosthetic lineup regardless of diameter or lengthwith a single connection, delivers enhanced mechanical stability, and offers true clinical efficiency through an optimized surgical protocol.



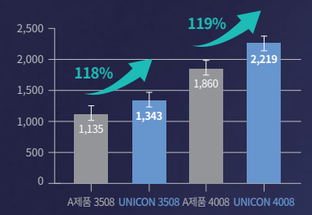
One Connection

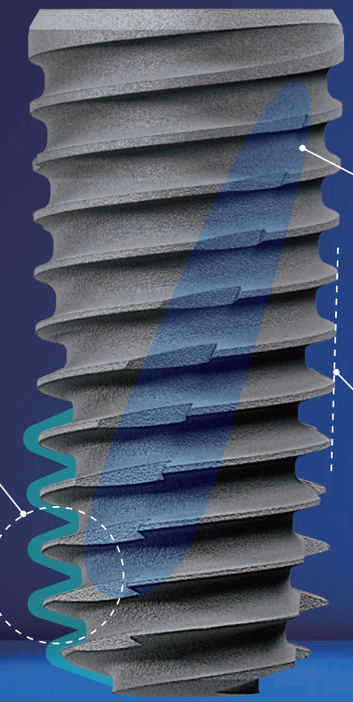
- Streamlined prosthetic lineup
- Simplified inventory management
- Single driver for all procedures



Superior Strength

- Higher fracture resistance compared to similar products
- Long-term stability expected





Full Helix Cutting Edge

- Improved self-tapping performance
- Reliable and stable insertion

Apical Deep Thread

- Additional lower threads
- Enhanced initial stability
- Designed for immediate post-extraction placement

1.5º Taper / Dual Thread

- Facilitates strong initial fixation
- Fast and stable placement
- Minimizes bone damage

***Uni**versal + **Con**venient = “UNICON”*

A name that reflects universality, adaptable to all bone qualities and cases, while ensuring that the procedure is convenient and easy for anyone to master

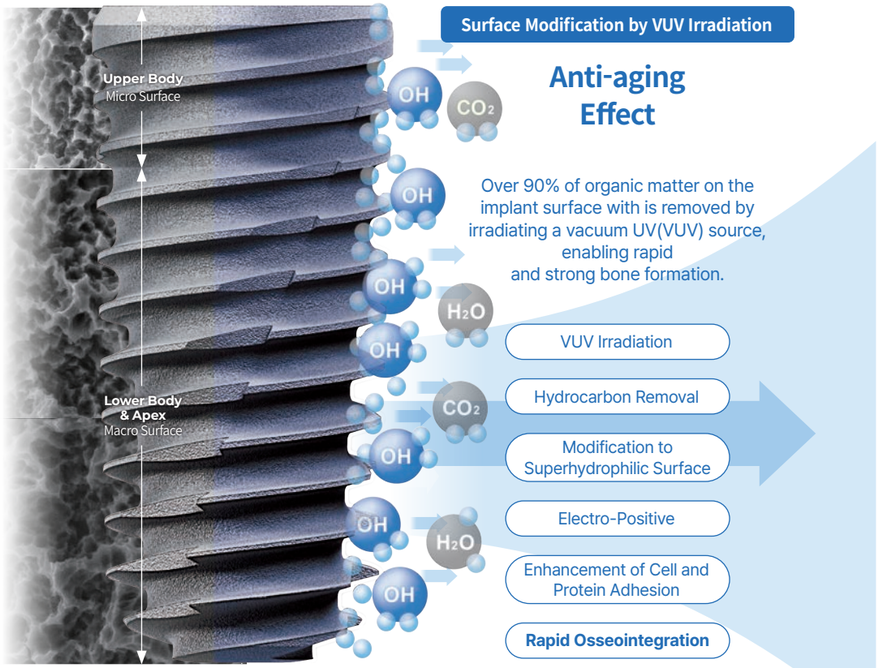
UNICON **Implant Surface**

Hybrid type SLA Surface (HSA)

Optimal Surface Morphology

Implementation of **Micro Surface morphology on the upper part** to reduce peri-implantitis and **Macro Surface morphology on the lower part** to enhance the initial bone response

- Alumina Blasting
- Double Acid Etching
- High-Temperature and High-Pressure Water-jet
- 7-Step Vacuum Ultrasonic Cleaning
- UV Drying
- **High Purity Clean Surface**



Surface Modification by VUV Irradiation

Anti-aging Effect

Over 90% of organic matter on the implant surface with is removed by irradiating a vacuum UV(VUV) source, enabling rapid and strong bone formation.

- VUV Irradiation
- Hydrocarbon Removal
- Modification to Superhydrophilic Surface
- Electro-Positive
- Enhancement of Cell and Protein Adhesion
- **Rapid Osseointegration**

Patented Surface, HSA

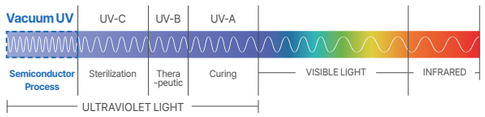
A distinctive level of surface roughness unique to DIO IMPLANT has been achieved through extensive research and experimentation based on sandblast large grit & acid etching (SLA).


특허증
CERTIFICATE OF PATENT
특허 제 10-1652968 호
제 10-2012-0062881 호
2012년 06월 12일
2016년 08월 25일
위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.
This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.
2016년 08월 25일
특허청장
COMMISSIONER,
KOREAN INTELLECTUAL PROPERTY OFFICE

*KOREA Patent No. 10-1652968

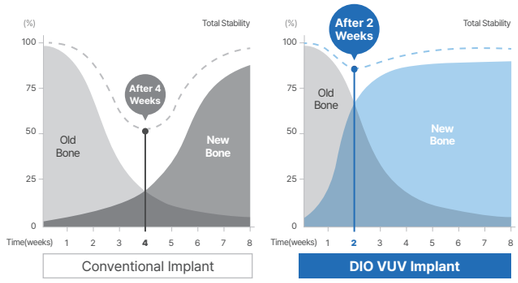
What Is VUV?

VUV is the highest-energy ultraviolet light used in semiconductor processes. DIO was the first to apply VUV to remove organic matter from the implant surface, and its effectiveness has been validated through joint research with UCLA, USA.



VUV, Healing Time in Half!

Fewer surface organics and higher blood absorbability ensure more stable bone-to–implant integration, shortening the treatment period.



*Source: Implant Dentistry, Volume 22, Nov 5, 2013, PhD Takahiro Ogawa et al.

UNICON **Prosthetic**

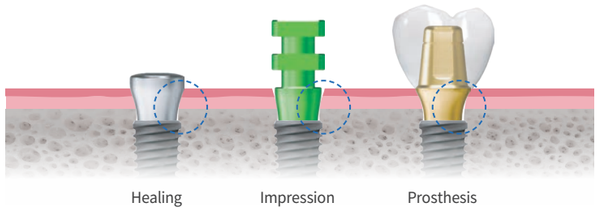
Natural S-Curve for mucosa sealing and esthetics

Consistent Cuff Design

System-wide Natural S-Curve design & minimal bone interference and gingival pressure

The Natural S-Curve design is applied throughout the entire system, from healing, impression taking, and prosthetic stages, to minimize bone interference and gingival pressure, contributing to the emergence profile of the prosthesis and the formation of healthy interdental papillae.

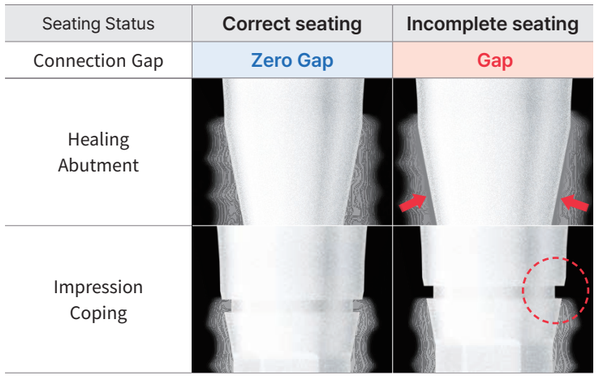




Intuitive Design

Intuitive Confirmation of Correct Connection

Thanks to its intuitive design with a distinct singularity point, complete or incomplete seating can be easily verified on X-rays.

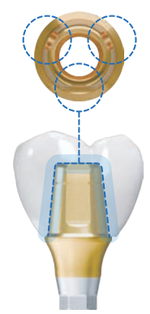


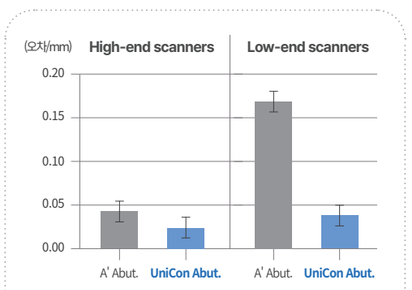
Detail Design

Optimized for Digital Prosthetics

Abutment geometry has been optimized to improve the accuracy of digital scanning and the fitness of zirconia prostheses.

Landmark Function During Scan Registration





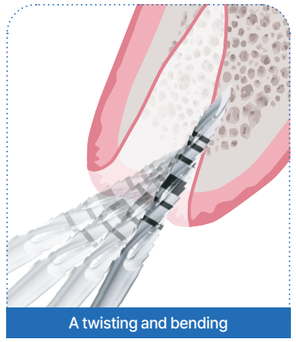
Data Accuracy of Direct Abutment Scan by Scanner Type

Multi Initial Drill

It provides highly accurate initial drilling in extraction sockets. With both point and side-cutting capabilities, it allows stable drilling even when the clinician drills as desired.

* Diameter: Designed to widen from Ø2.0 to Ø2.7

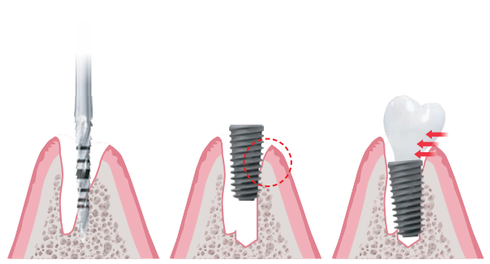




A twisting and bending

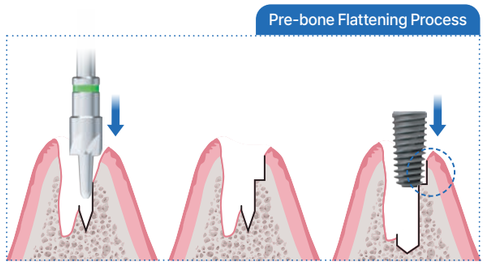
Pre-bone Flattening Drill

Even with accurate initial drilling in the extraction socket, the implant may shift toward the gap during placement. The pre-bone flattening drill allows implants to be placed in the correct position.



1. Initial drill hole only
2. Unstable fixture placement
3. Shifts toward gap when entering on an inclined surface

Pre-bone Flattening Process

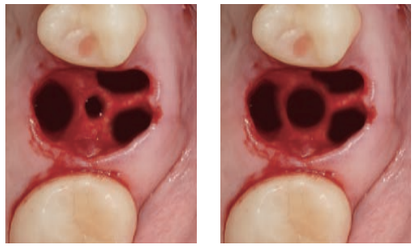


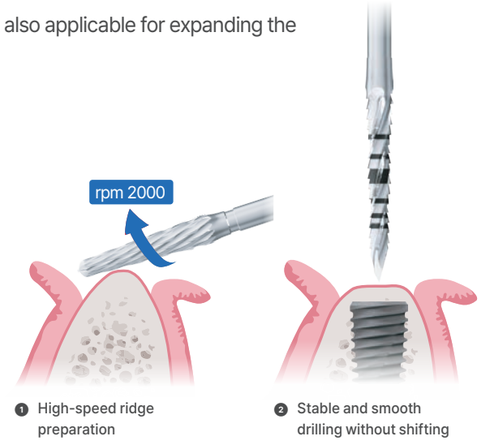
1. Drilling along initial drill hole
2. Flattening (prep)
3. Stable implant placement without shifting

Modify Bur for Ridge Adjustment or Post-initial Drilling Expansion

This is applied to reshape narrow ridges or irregular bone. It is also applicable for expanding the central septum after initial drilling in molar extraction sockets.

* Prevents displacement of cortical bone in the septum





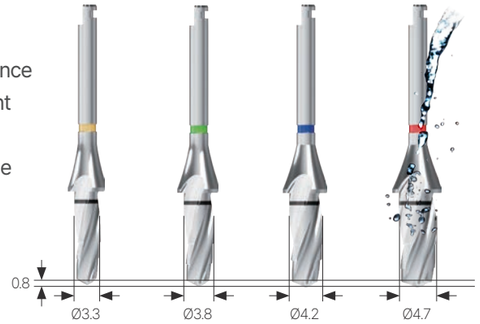
1. High-speed ridge preparation
2. Stable and smooth drilling without shifting

UNICON **Kit & Tools**

Innovation, elevate your **Confidence**

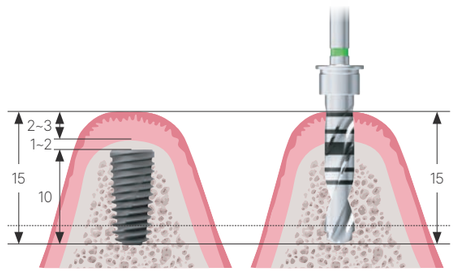
Taper Drill for Implant Placement

The UniCon taper drill delivers excellent cutting performance in all types of bone quality, and depth control is convenient with the integrated drill stop. The streamlined body shape ensures direct irrigation to the drill hole, reduces the risk of bone heating.

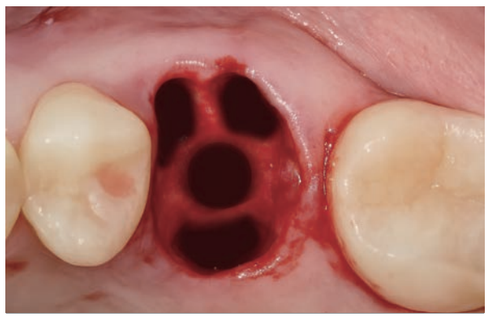


Straight Drill for Implant Placement

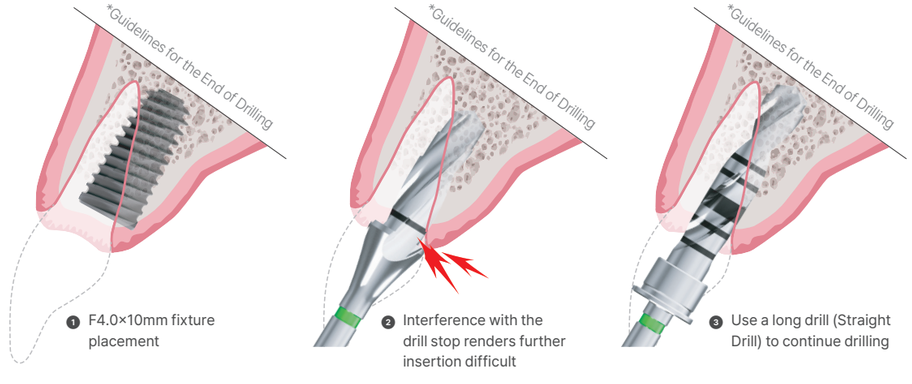
The Straight drill is used for following cases



When a long drill is required in flapless procedures



When partial widening is needed in hard bone or to prevent excessive torque at the apical end in the extraction socket septum

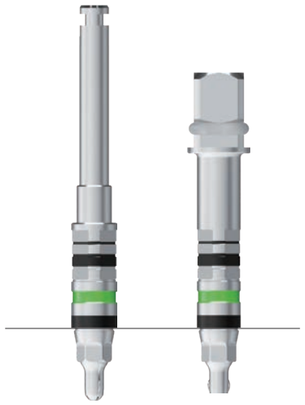


1. F4.0×10mm fixture placement
2. Interference with the drill stop renders further insertion difficult
3. Use a long drill (Straight Drill) to continue drilling

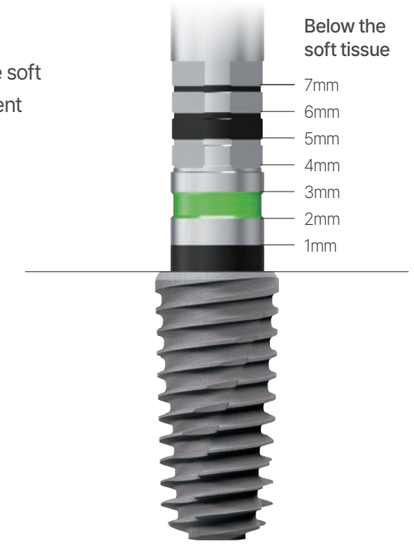
When a long drill is needed in extraction sockets

Fixture Driver
for Implant Placement

The fixture driver allows implant placement up to 7 mm below the soft tissue, depending on tissue thickness. It enables precise placement to the planned depth even under excessive torque.

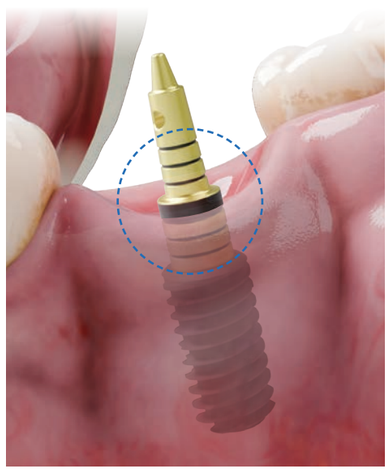


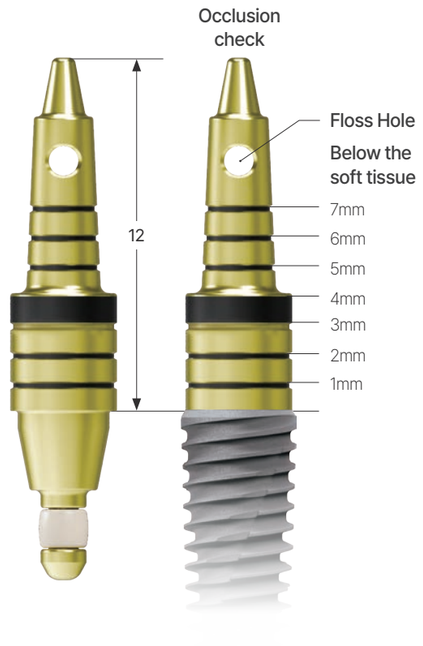
For machine use For wrench use



Final Check Pin
for Verifying Placement Depth and Position

We recommend performing a final check after implant placement. Check the depth and the direction of occlusion and make any adjustment if necessary.



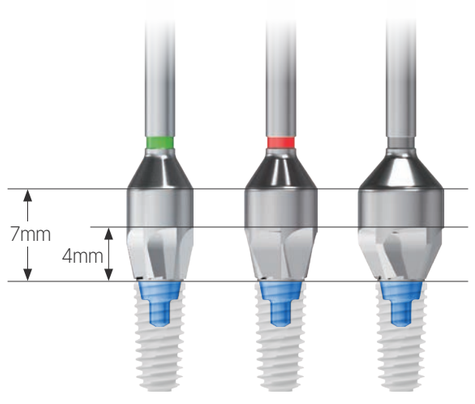


UNICON **Kit & Tools**

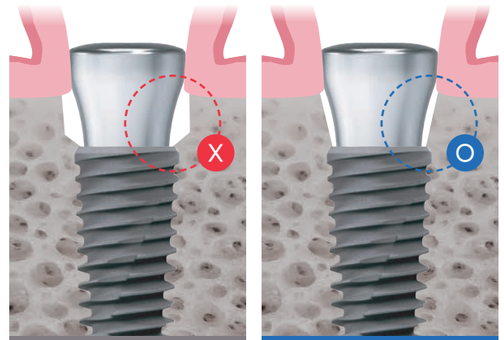
Innovation, elevate your **Confidence**

Healing Contour
Removal of Interfering Bone During Prosthesis Connection

This instrument is used to remove interfering bone after fixture placement, and it is particularly useful for deep insertion. It is designed to match the healing abutment shape to prevent excessive bone removal. Select the drill corresponding to the selected healing abutment shape for accurate drilling.



H45 H50 H60

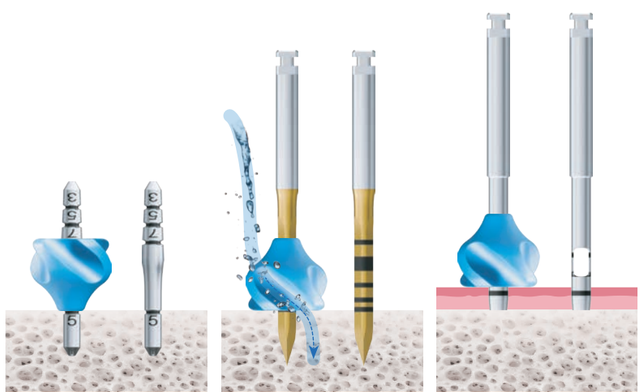


General Bone Profiler **UniCon Healing Contour**

Positioning Bell
for Convenient Implant Placement and Spacing

For single, bridge and free-end multiple cases, the Positioning Bell can be used during initial drilling to simultaneously consider spacing from adjacent teeth and prosthesis dimensions. It can be applied to the Ø2.0 Tissue Punch, Position Drill, or Initial Check Pin depending on the intended use. Its irrigation-easy design minimizes the risk of bone heating during drill sequence.

	
Canine / Premolar	General use
Ø7.2	Ø8.0
	
Second molar	First molar
Ø9.0	Ø10.0
Made of biocompatible medical-grade silicone for safe insertion of drills or instruments	



Occlusion and prosthesis verification **Initial drilling** **Flapless point use**

UNICON Implant System Contents

013 UNICON Implant
014 Cover Screw
014 Healing Abutment
016 Cemented Abutment
017 Ø3.5 Solid Abutment
017 Abutment Protect Cap
017 Abutment Impression Cap
018 Angled Abutment
018 Temporary Abutment
019 Pick-up Impression Coping
019 Transfer Impression Coping
019 Lab Analog
022 Multi-unit Abutment
022 Multi-unit Angled Abutment
023 Multi-unit Healing Cap
023 Multi-unit Pick-up Impression Coping
022 Multi-unit H-Scan body
023 Multi-unit Scan Adapter
024 Multi-unit Lab Analog
024 Multi-unit Ti Cylinder
024 Multi-unit Temporary Cylinder
026 DeSR Base Abutment (Short)
026 DeSR Base Abutment (Long)
027 DeSR Healing Cap
027 DeSR H-Scanbody
027 DeSR Scan Adapter
028 DeSR Digital Analog
028 DeSR Base Abutment Cap
028 DeSR Transfer Impression Coping
029 DeSR Lab Analog
029 DeSR Direct Screw
029 DeSR Crown Contact Screw
032 DIO-Lock Abutment
032 Lab Analog
032 CoreTool
033 DIO-Lock Torque Driver
033 Male Package
033 Replacement Male
033 Extended Replacement Male
034 Denture Cap + Black Processing Male Set
034 Black Processing Male
034 Block-Out Spacer
034 Impression Coping
035 H-Scanbody / Jig
035 Scan Adapter
036 Pre-Milled Bar
036 Hybrid Link
037 Scan Retractor
037 Wax Denture
037 Marker

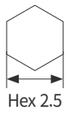
UNICON Kits Contents

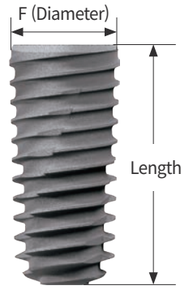
039 UNICON Kit 7
UK 07
041 Ø2.0Tissue Punch
041 Position Drill
041 Multi Initial Drill
041 Modify Bur
042 Straight Drill (Ø2.2)
042 Pre-Bone Flattening Drill
042 Positioning Bell
043 Initial Check Pin
043 Straight Drill
043 Taper Drill
044 Cortical Drill
044 Fixture Driver
044 Final Check Pin
045 Healing Contour
045 Drill Extension Set
045 1.2 Hex Driver
046 Connector Extension
046 Torque Wrench
046 Double Depth Gauge

Sinus Kits Contents

047 Sinus Drill Kit
SKDS 01
049 Sinus Osteotome Kit
SKOS 01
051 Multi Initial ST Drill
051 Sinus Expansion Drill
051 Sinus Lift Drill
052 Sinus Expansion ST Drill
052 Sinus Lift ST Drill
052 Wave ST Osteotome
053 Stopper
053 Water Membrane Lifter
053 Water Membrane Lifter Dummy
054 Mallet
054 Sinus Membrane Detach Tool
054 Depth Gauge
054 Saline Tube

Implant Fixture





- HSA / Packing Unit
  - Fixture | Order Code : UCR 0000SF (ex : UCR 4010SF)
  - Fixture + Cover Screw | Order code : UCR 0000S (ex : UCR 4010S)
- VUV / Packing Unit
  - Fixture | Order Code : UCR 0000UV3 (ex : UCR 4010UV3)

Unit mm

R

F3.5 (Ø3.8)

Hex **2.5**

Length	7	8.5	10	11.5	13
HSA	UCR **3507SF**	UCR **3508SF**	UCR **3510SF**	UCR **3511SF**	UCR **3513SF**
VUV	UCR **3507UV3**	UCR **3508UV3**	UCR **3510UV3**	UCR **3511UV3**	UCR **3513UV3**

R

F4.0 (Ø4.25)

Hex **2.5**

Length	7	8.5	10	11.5	13
HSA	UCR **4007SF**	UCR **4008SF**	UCR **4010SF**	UCR **4011SF**	UCR **4013SF**
VUV	UCR **4007UV3**	UCR **4008UV3**	UCR **4010UV3**	UCR **4011UV3**	UCR **4013UV3**

R

F4.5 (Ø4.6)

Hex **2.5**

Length	7	8.5	10	11.5	13
HSA	UCR **4507SF**	UCR **4508SF**	UCR **4510SF**	UCR **4511SF**	UCR **4513SF**
VUV	UCR **4507UV3**	UCR **4508UV3**	UCR **4510UV3**	UCR **4511UV3**	UCR **4513UV3**

R

F5.0 (Ø5.05)

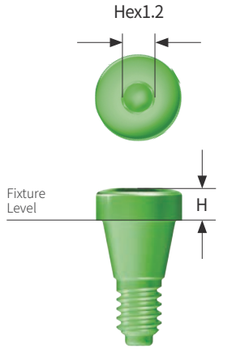
Hex **2.5**

Length	7	8.5	10	11.5	13
HSA	UCR **5007SF**	UCR **5008SF**	UCR **5010SF**	UCR **5011SF**	UCR **5013SF**
VUV	UCR **5007UV3**	UCR **5008UV3**	UCR **5010UV3**	UCR **5011UV3**	UCR **5013UV3**

Cover Screw

Used to protect the internal connection of the implant during a 2-stage surgery.

- Use 1.2 Hex Driver
- Instructions for Use
  ① Remove any blood or debris inside the implant before tightening the screw.
  ② Tighten the screw manually using a 1.2 Hex Driver (5–8 Ncm).
- Tightening Torque : 5~8Ncm



Unit mm

R

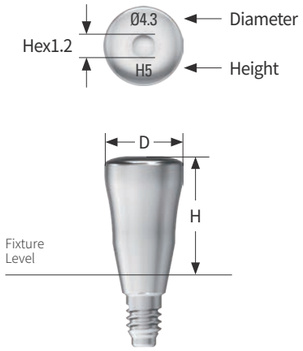
Fixture Size	Regular		
Height	**0.4**	**1.4**	**2.4**
Code	UCRCS**S**	UCRCS**M**	UCRCS**L**

Healing Abutment

Designed with a Natural S-curve to minimize bone interference when the implant is placed deep.

- Instructions for Use
  ① After fixture connection, ensure there is no gap at the 11° taper area on the X-ray image to confirm full seating.
  ② Use the appropriate Healing Contour by diameter if needed (refer to P45).
- Use 1.2 Hex Driver
- Packing Unit : Abutment
- Tightening Torque : 5~8Ncm

※ Single-use medical device



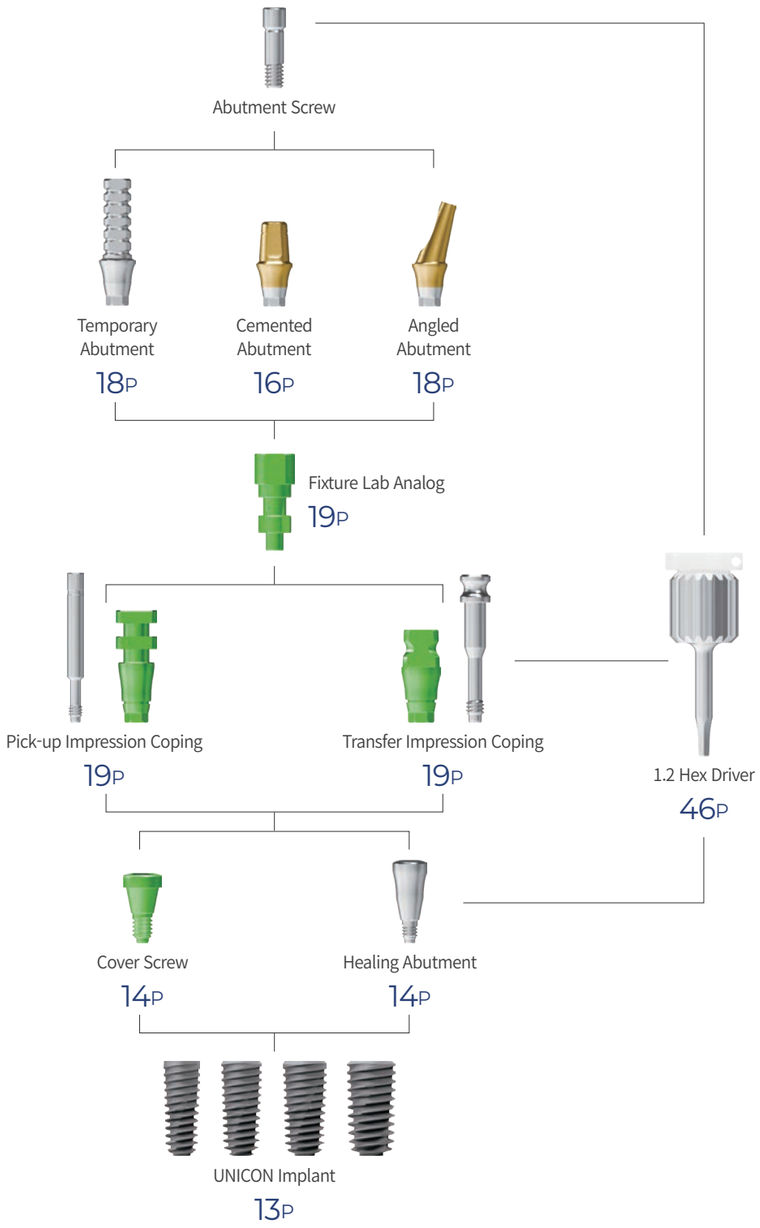
Unit mm

R

Fixture Size		Regular					
Diameter		**Ø3.0**	**Ø4.0**	**Ø4.5**	**Ø5.0**	**Ø6.0**	**Ø7.0**
Height	3	UCRHA **303**	UCRHA **403**	UCRHA **453**	UCRHA **503**	UCRHA **603**	UCRHA **703**
	4	UCRHA **304**	UCRHA **404**	UCRHA **454**	UCRHA **504**	UCRHA **604**	UCRHA **704**
	5	UCRHA **305**	UCRHA **405**	UCRHA **455**	UCRHA **505**	UCRHA **605**	UCRHA **705**
	6	UCRHA **306**	UCRHA **406**	UCRHA **456**	UCRHA **506**	UCRHA **606**	UCRHA **706**
	7	UCRHA **307**	UCRHA **407**	UCRHA **457**	UCRHA **507**	UCRHA **607**	UCRHA **707**
	8	UCRHA **308**	UCRHA **408**	UCRHA **458**	UCRHA **508**	UCRHA **608**	UCRHA **708**

Cemented | Angled | Temporary Abutment

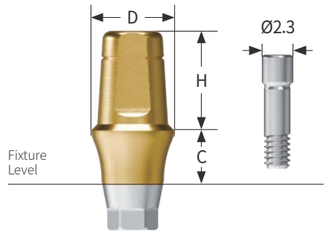
Prosthetic Flow Chart



Cemented Abutment

Used for standard CRP / SCRP prosthetic fabrication

- Ultra-precise connection with a tolerance of 1/1000 mm
- Natural S-Curve design : minimizes bone interference in deep placement
- Optimized internal radius (R-value) eliminates interference issues during zirconia prosthesis fabrication
- Post design enables easy direct scanning at the abutment level
- Available in Hex / Non-Hex types depending on the connection with the fixture
- Compatible with Abutment Impression Cap
- Use 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw
- Tightening Torque : 30~35Ncm



Unit mm

R

Hex

Fixture Size		Regular			
Diameter		Ø4.5	Ø5.0	Ø6.0	Ø7.0
Height 4	Cuff 2	UCRCA 4542H	UCRCA 5042H	UCRCA 6042H	-
	3	UCRCA 4543H	UCRCA 5043H	UCRCA 6043H	-
	4	UCRCA 4544H	UCRCA 5044H	UCRCA 6044H	-
	5	UCRCA 4545H	UCRCA 5045H	UCRCA 6045H	-
	6	UCRCA 4546H	UCRCA 5046H	UCRCA 6046H	-
	7	UCRCA 4547H	UCRCA 5047H	UCRCA 6047H	-
	8	UCRCA 4548H	UCRCA 5048H	UCRCA 6048H	-
Height 5.5	Cuff 2	UCRCA 4552H	UCRCA 5052H	UCRCA 6052H	UCRCA 7052H
	3	UCRCA 4553H	UCRCA 5053H	UCRCA 6053H	UCRCA 7053H
	4	UCRCA 4554H	UCRCA 5054H	UCRCA 6054H	UCRCA 7054H
	5	UCRCA 4555H	UCRCA 5055H	UCRCA 6055H	UCRCA 7055H
	6	UCRCA 4556H	UCRCA 5056H	UCRCA 6056H	UCRCA 7056H
	7	UCRCA 4557H	UCRCA 5057H	UCRCA 6057H	UCRCA 7057H
	8	UCRCA 4558H	UCRCA 5058H	UCRCA 6058H	UCRCA 7058H
Height 7	Cuff 2	UCRCA 4572H	UCRCA 5072H	UCRCA 6072H	-
	3	UCRCA 4573H	UCRCA 5073H	UCRCA 6073H	-
	4	UCRCA 4574H	UCRCA 5074H	UCRCA 6074H	-
	5	UCRCA 4575H	UCRCA 5075H	UCRCA 6075H	-
	6	UCRCA 4576H	UCRCA 5076H	UCRCA 6076H	-
	7	UCRCA 4577H	UCRCA 5077H	UCRCA 6077H	-
	8	UCRCA 4578H	UCRCA 5078H	UCRCA 6078H	-

R

Non-Hex

Diameter		Ø4.5	Ø5.0	Ø6.0	Ø7.0
Height 4	Cuff 2	UCRCA 4542N	UCRCA 5042N	UCRCA 6042N	-
	3	UCRCA 4543N	UCRCA 5043N	UCRCA 6043N	-
	4	UCRCA 4544N	UCRCA 5044N	UCRCA 6044N	-
	5	UCRCA 4545N	UCRCA 5045N	UCRCA 6045N	-
	6	UCRCA 4546N	UCRCA 5046N	UCRCA 6046N	-
	7	UCRCA 4547N	UCRCA 5047N	UCRCA 6047N	-
	8	UCRCA 4548N	UCRCA 5048N	UCRCA 6048N	-
Height 5.5	Cuff 2	UCRCA 4552N	UCRCA 5052N	UCRCA 6052N	UCRCA 7052N
	3	UCRCA 4553N	UCRCA 5053N	UCRCA 6053N	UCRCA 7053N
	4	UCRCA 4554N	UCRCA 5054N	UCRCA 6054N	UCRCA 7054N
	5	UCRCA 4555N	UCRCA 5055N	UCRCA 6055N	UCRCA 7055N
	6	UCRCA 4556N	UCRCA 5056N	UCRCA 6056N	UCRCA 7056N
	7	UCRCA 4557N	UCRCA 5057N	UCRCA 6057N	UCRCA 7057N
	8	UCRCA 4558N	UCRCA 5058N	UCRCA 6058N	UCRCA 7058N
Height 7	Cuff 2	UCRCA 4572N	UCRCA 5072N	UCRCA 6072N	-
	3	UCRCA 4573N	UCRCA 5073N	UCRCA 6073N	-
	4	UCRCA 4574N	UCRCA 5074N	UCRCA 6074N	-
	5	UCRCA 4575N	UCRCA 5075N	UCRCA 6075N	-
	6	UCRCA 4576N	UCRCA 5076N	UCRCA 6076N	-
	7	UCRCA 4577N	UCRCA 5077N	UCRCA 6077N	-
	8	UCRCA 4578N	UCRCA 5078N	UCRCA 6078N	-

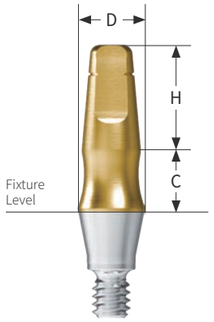
* Made to order

Solid Abutment

*Special Line-up : Ø3.5 single specification

Used for CRP type prosthesis fabrication in narrow prosthetic spaces, following Ø3.0 Healing Abutment.

- Ultra-precise connection with a tolerance of 1/1000 mm
- Natural S-Curve design : minimizes bone interference in deep placement
- Optimized internal radius (R-value) eliminates interference issues during zirconia prosthesis fabrication
- Allows direct impression taking at the abutment level
- Use Solid Ø3.0 Outer Driver (USAD 3006B)
- Packing Unit : Abutment
- Tightening Torque : 30~35Ncm



Unit mm

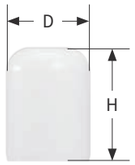
R **Hex**

Fixture Size		Regular						
Diameter		Ø3.5 (For mandible, anterior, and premolar use)						
Cuff		2	3	4	5	6	7	8
Height	4.0	UCRSA 3042	UCRSA 3043	UCRSA 3044	UCRSA 3045	UCRSA 3046	UCRSA 3047	UCRSA 3048
	5.5	UCRSA 3052	UCRSA 3053	UCRSA 3054	UCRSA 3055	UCRSA 3056	UCRSA 3057	UCRSA 3058
	7	UCRSA 3072	UCRSA 3073	UCRSA 3074	UCRSA 3075	UCRSA 3076	UCRSA 3077	UCRSA 3078

Abutment Protect Cap

Used to protect abutments intraorally and minimize patient discomfort

- Suitable for temporary use during provisional restoration
- Provides excellent locking stability



Unit mm

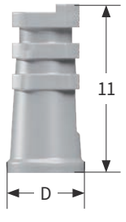
R

Fixture Size		Regular			
Diameter		Ø4.5	Ø5.0	Ø6.0	Ø7.0
Height	4.0	UCRAPC 454	UCRAPC 504	UCRAPC 604	-
	5.5	UCRAPC 455	UCRAPC 505	UCRAPC 605	UCRAPC 705
	7	UCRAPC 457	UCRAPC 507	UCRAPC 607	-

Abutment Impression Cap

Used for abutment impression taking

- Provides excellent locking stability



Unit mm

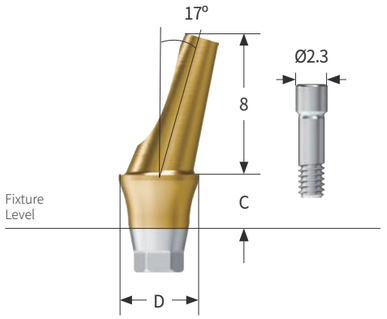
R

Fixture Size		Regular		
Height		4.0	5.5	7.0
Diameter	Ø4.5	UCRAIC 454	UCRAIC 455	UCRAIC 457
	Ø5.0	UCRAIC 504	UCRAIC 505	UCRAIC 507
	Ø6.0	UCRAIC 604	UCRAIC 605	UCRAIC 607
	Ø7.0	-	UCRAIC 705	-
Color		Yellow	Gray	Blue

Angled Abutment

Used mainly for anterior teeth when correcting the prosthetic path.

- Used for standard CRP / SCRP prosthetic fabrication
- Ultra-precise connection with a tolerance of 1/1000 mm
- Natural S-Curve design : minimizes bone interference in deep placement
- Hex section divided into Type A and Type B to overcome directional limitations of the abutment
- Connection upper area gold-colored for improved esthetics
- Use 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw
- Tightening Torque : 30~35Ncm



Unit mm

R

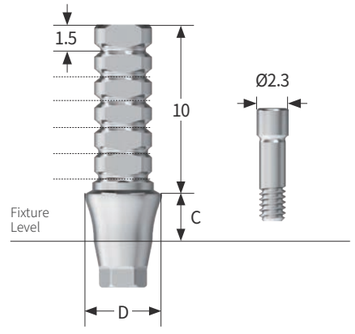
Fixture Size		Regular		
Diameter		Ø4.5	Ø5.0	Ø6.0
Hex A	Cuff 3	UCRAA 4583AH	UCRAA 5083AH	UCRAA 6083AH
	4	UCRAA 4584AH	UCRAA 5084AH	UCRAA 6084AH
	5	UCRAA 4585AH	UCRAA 5085AH	UCRAA 6085AH
Hex B	Cuff 3	UCRAA 4583BH	UCRAA 5083BH	UCRAA 6083BH
	4	UCRAA 4584BH	UCRAA 5084BH	UCRAA 6084BH
	5	UCRAA 4585BH	UCRAA 5085BH	UCRAA 6085BH
Non-Hex	Cuff 3	UCRAA 4583N	UCRAA 5083N	UCRAA 6083N
	4	UCRAA 4584N	UCRAA 5084N	UCRAA 6084N
	5	UCRAA 4585N	UCRAA 5085N	UCRAA 6085N

* Made to order

Temporary Abutment

Used for temporary prosthetic fabrication

- Natural S-Curve design : minimizes bone interference in deep placement
- Post step designed with 1.5 mm intervals for easy cutting
- Use 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw
- Tightening Torque : 20Ncm



Unit mm

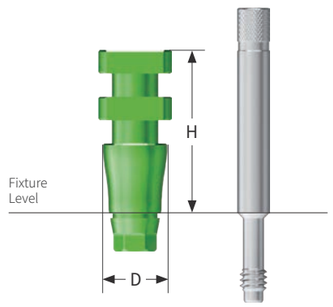
R

Fixture Size	Regular	
Diameter	Ø4.5	
Type	Hex	Non-Hex
Cuff 2	UCRTA 4502H	UCRTA 4502N
3	UCRTA 4503H	UCRTA 4503N
4	UCRTA 4504H	UCRTA 4504N
5	UCRTA 4505H	UCRTA 4505N

Pick-up Impression Coping

Pick-up type for impression taking using open tray

- Natural S-Curve design : easy connection after healing without gingival resistance
- Clear design for misfit detection: ex) a groove visible above the fixture indicates improper connection
- Head design minimizes interference when using multiple pick-up impressions
- Use 1.2 Hex Driver / Packing Unit : Impression Coping + Coping Screw



Unit mm

R

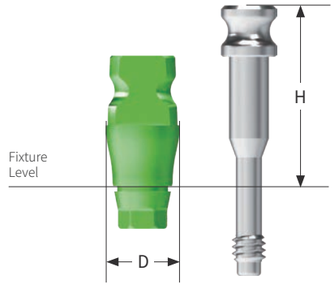
Hex

Fixture Size		Regular			
Diameter		Ø4.0	Ø4.5	Ø5.0	Screw
Height	11	UCRPIC **4011H**	UCRPIC **4511H**	UCRPIC **5011H**	UCRPIC **P11**
	15	UCRPIC **4015H**	UCRPIC **4515H**	UCRPIC **5015H**	UCRPIC **P15**
	19	UCRPIC **4019H**	UCRPIC **4519H**	UCRPIC **5019H**	UCRPIC **P19**

Transfer Impression Coping

Transfer type for impression taking using closed tray

- Natural S-Curve design : easy connection after healing without gingival resistance
- Specifications can be identified by cross-sectional shape of the post by height
- Clear design for misfit detection: ex) a groove visible above the fixture indicates improper connection
- Can be used for bite impression when screw is replaced (UCRTIC S0)
- Use 1.2 Hex Driver / Packing Unit : Impression Coping + Coping Screw



Unit mm

R

Hex

Fixture Size		Regular			
Diameter		Ø4.0	Ø4.5	Ø5.0	Screw
Height	10	UCRTIC **4043H**	UCRTIC 4**543H**	UCRTIC **5043H**	UCRTIC **S3**
	12	UCRTIC **4045H**	UCRTIC **4545H**	UCRTIC **5045H**	UCRTIC **S5**
	14	UCRTIC **4047H**	UCRTIC **4547H**	UCRTIC **5047H**	UCRTIC **S7**

Lab Analog

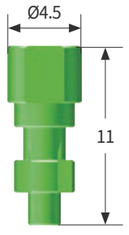
Replicating oral Fixture shape on working model

※ Not a medical device

Unit mm

R

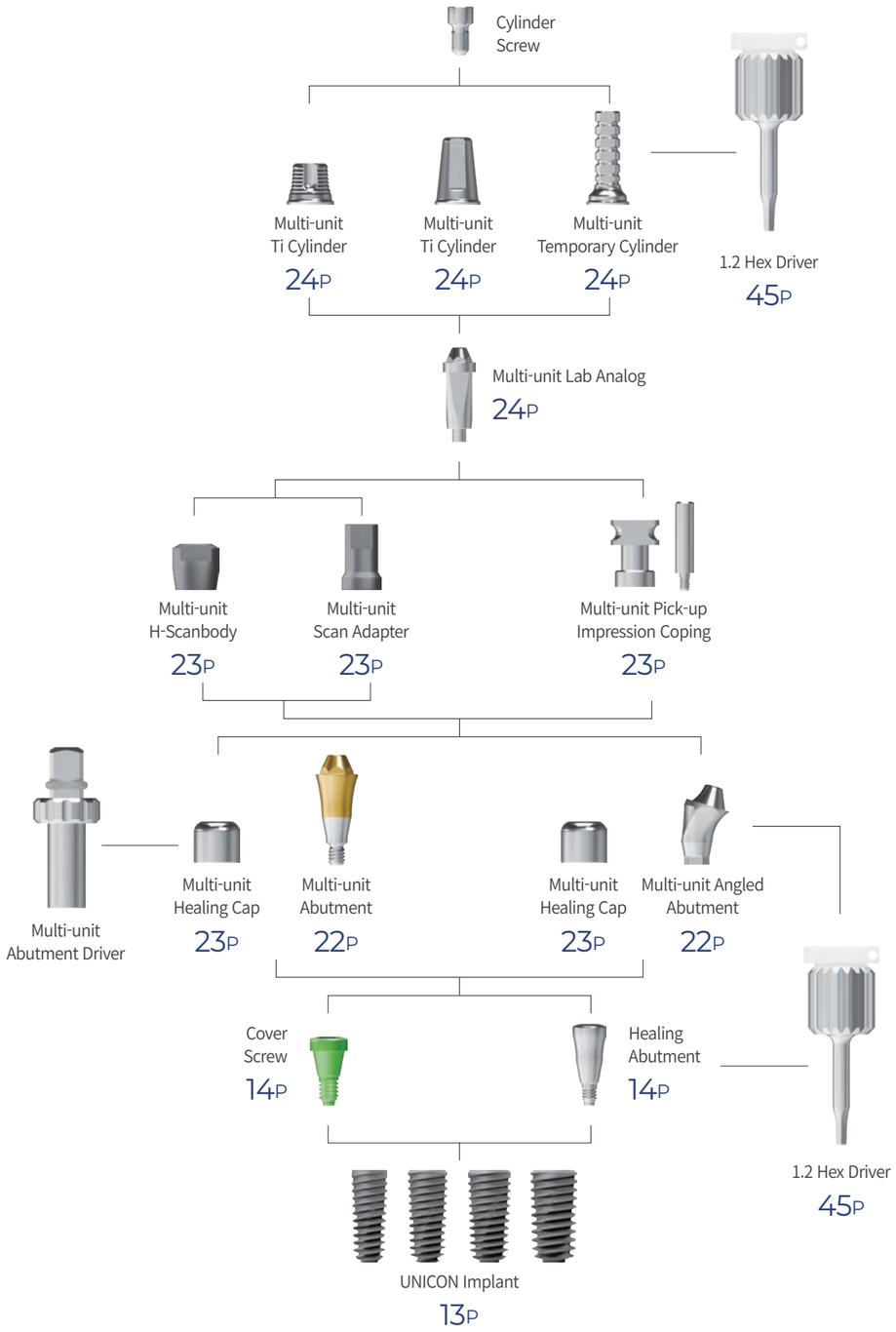
Fixture Size	Regular
Diameter	Ø4.5
Height 11	UCRLA



D:O IMPLANT

Multi-unit | Multi-unit Angled Abutment

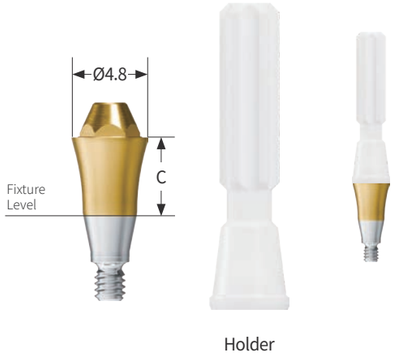
Prosthetic Flow Chart



Multi-unit Abutment

Used for Long Span Bridge prosthesis in multiple cases

- Ultra-precise connection with a tolerance of 1/1000 mm
- Natural S-Curve design : easy connection after healing without gingival resistance
- Same platform as Multi-unit Angled Abutment
- Use Multi-unit Abutment Driver : Ratchet (UMADR 33B) / Machine (UMADM 33)
- Packing Unit : Multi-unit Abutment + Multi-unit Abutment Holder (UCRMASH)
- Tightening Torque : 30~35Ncm



R

D Ø4.8

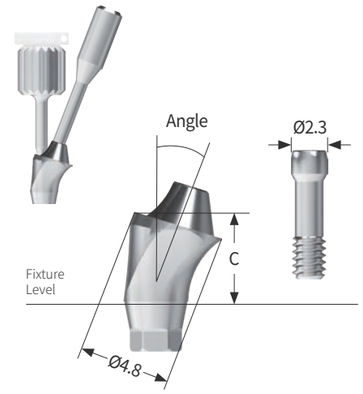
Unit mm

Fixture Size	Regular						
Diameter	Ø4.8						
Cuff	1	2	3	4	5	6	7
Code	UCRMA **4801**	UCRMA **4802**	UCRMA **4803**	UCRMA **4804**	UCRMA **4805**	UCRMA **4806**	UCRMA **4807**

Multi-unit Angled Abutment

Used for Long Span Bridge prosthesis in multiple cases

- Ultra-precise connection with a tolerance of 1/1000 mm
- Natural S-Curve design : easy connection after healing without gingival resistance
- Same platform as Multi-unit Angled Abutment
- Cylinder product line can only be used with Non-Hex
- Use 1.2 Hex Driver
- Packing Unit : Multi-unit Angled Abutment + Multi-unit Angled Abutment Screw (UCRMABS) + Multi-unit Abutment Holder (UCRMAAH)
- Tightening Torque : 30~35Ncm



R

D Ø4.8

Unit mm

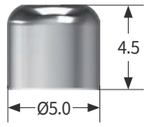
Fixture Size	Regular	
Diameter	Ø4.8	
Type	Hex	
Angle	17°	30°
Cuff 2	UCR17MA **4802H**	-
3	UCR17MA **4803H**	UCR30MA **4803H**
4	UCR17MA **4804H**	UCR30MA **4804H**
5	UCR17MA **4805H**	UCR30MA **4805H**
6	UCR17MA **4806H**	UCR30MA **4806H**
7	UCR17MA **4807H**	UCR30MA **4807H**
Screw	UCRMABS	

Multi-unit Abutment Components

Multi-unit Healing Cap

Protect abutments intraorally and minimizes patient discomfort

- Dedicated to Multi-unit, Multi-unit Angled Abutment
- Use 1.2 Hex Driver / Tightening Torque : 5~8Ncm



Unit mm

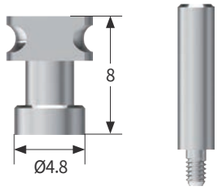
R

Fixture Size	Regular
Diameter	Ø5.0
Height 4.5	HCN 40504

Multi-unit Pick-up Impression Coping

Pick-up Type Impression Coping for abutment level impression taking

- Use Open tray / Dedicated to Multi-unit, Multi-unit Angled Abutment
- Use 1.2 Hex Driver / Packing Unit : Pick-up Impression Coping + Guide Pin



Unit mm

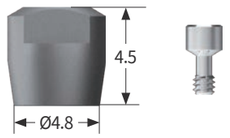
R

Fixture Size	Regular	
Diameter	Ø4.8	
Type	Hex	Non-Hex
Height 8	IPN 40508	IPN 40508N
Guide Pin	PCN 40310	PCN 40310S

Multi-unit H-Scanbody

Enable digital impression taking at healing and abutment levels

- Dedicated to Multi-unit, Multi-unit Angled Abutment
- Use 1.2 Hex Driver / Packing Unit : H-Scanbody + H-Scanbody Screw (CHSBS 04)
- Tightening Torque : 5~8Ncm



Unit mm

R

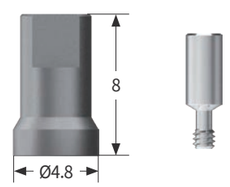
Fixture Size	Regular	
Diameter	Ø4.8	
Type	Hex	Non-Hex
Height 4.5	CHSB 4805	MRHSB 4805

* — : To be released in the first half of 2026

Multi-unit Scan Adapter

Used for digital impression taking at abutment level

- Use 1.2 Hex Driver / Packing Unit : H-Scanbody + H-Scanbody Screw (CHCANS 07)
- Tightening Torque : 5~8Ncm



Unit mm

R

Fixture Size	Regular	
Diameter	Ø4.8	
Type	Hex	Non-Hex
Height 8	CSAN 4808	MRSCAN 4808

* — : To be released in the first half of 2026

Multi-unit Lab Analog

Used to replicate multi-unit abutments on working models (stone model)



Unit mm

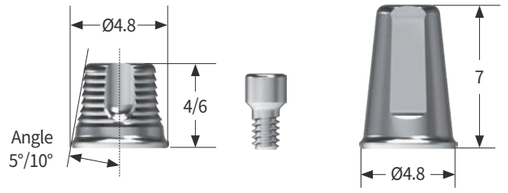
R

Fixture Size	Regular
Diameter	Ø4.8
Height 14.2	UCRMLA

Multi-unit Ti Cylinder

Used for fabricating CRP/SCRP type prosthetics

- Dedicated to Multi-unit, Multi-unit Angled Abutment
- Use 1.2 Hex Driver
- Packing Unit : Ti Cylinder + Cylinder Screw (UCRMACS)
- Tightening Torque : 20Ncm



Unit mm

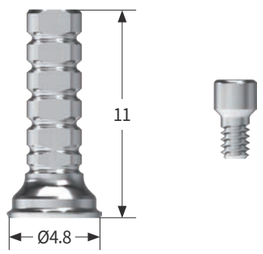
R

Fixture Size	Regular					
Diameter	Ø4.8				Ø4.8	
Type	Hex		Non-Hex		Hex	Non-Hex
Angle	5°	10°	5°	10°		
Height 4	UCRMCC 405H	UCRMCC 410H	UCRMCC 405N	UCRMCC 410N	-	-
Height 6	UCRMCC 605H	-	UCRMCC 605N	-	-	-
Height 7	-	-	-	-	UCRMCC 487H	UCRMCC 487N

Multi-unit Temporary Cylinder

Used for fabricating temporary prosthetics at abutment level

- Use 1.2 Hex Driver
- Packing Unit : Temporary Cylinder + Cylinder Screw (UCRMACS)
- Tightening Torque : 20Ncm

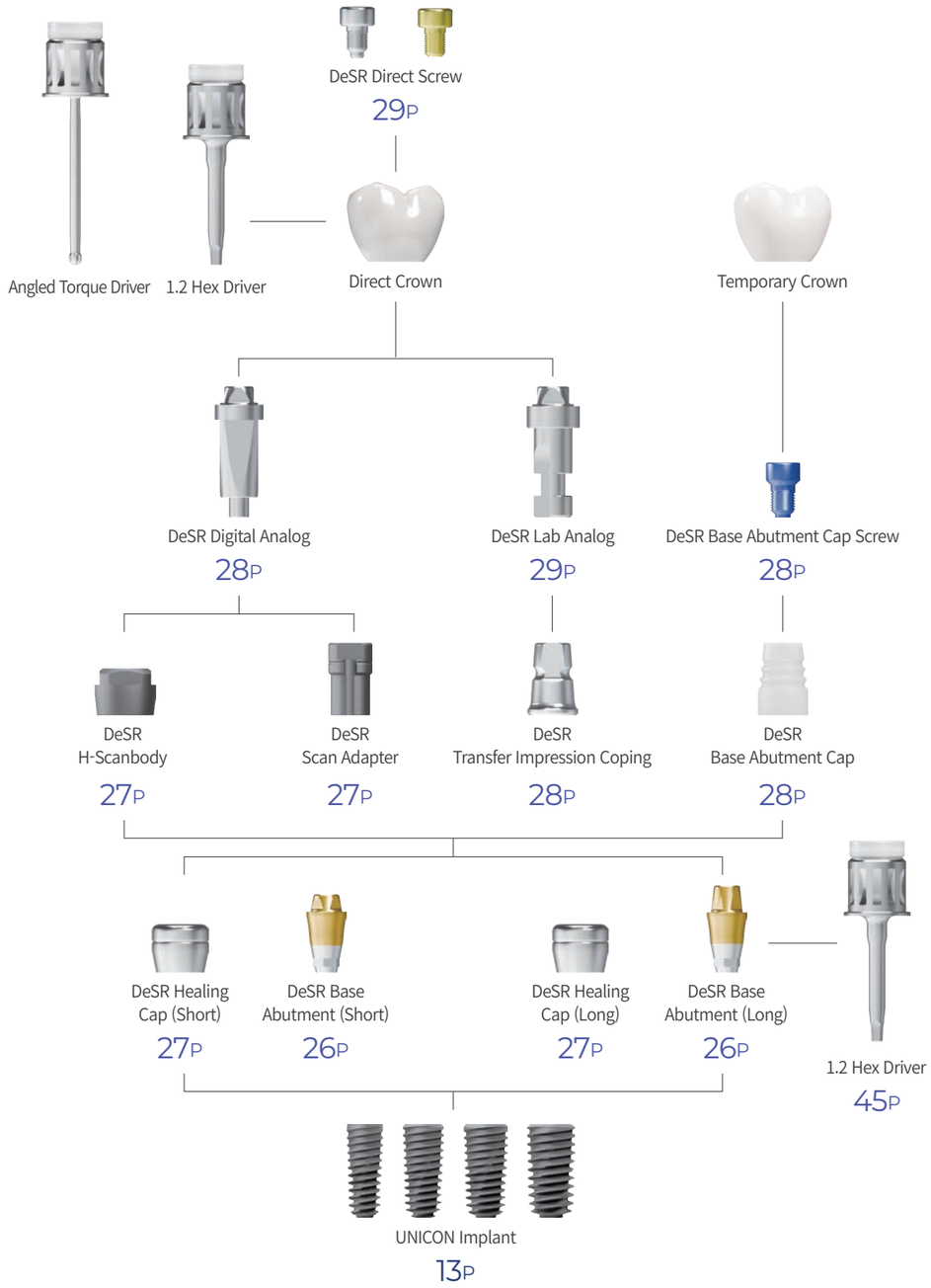


Unit mm

R

Fixture Size	Regular	
Diameter	Ø4.8	
Type	Hex	Non-Hex
Height 11	UCRMAT 480H	UCRMAT 480N

DeSR Abutment Prosthetic Flow Chart

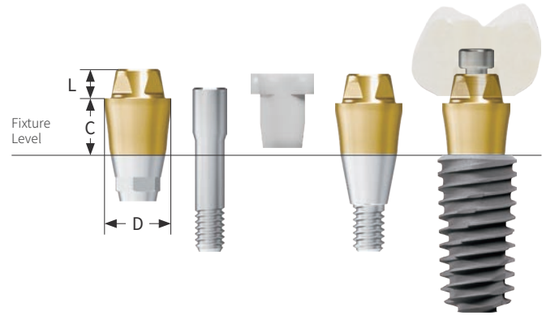


DeSR Base Abutment (Short & Long)

DeSR Base Abutment

Used for screw-retained zirconia prosthetic fabrication

- Path compensation angle : Ø4.2 - 20° / Ø4.8, Ø5.5 - 30°
- Packing Unit : Hex (Base Abutment + Screw + Holder) / Non-Hex (Base Abutment)
- Tightening Torque : 30~35Ncm



R Short

Unit mm

Fixture Size			Regular		
		Diameter	Ø4.2	Ø4.8	Ø5.5
Hex	Length 1.8	Cuff 1.5	-	DSRBA **4801H**	DSRBA **5501H**
		2.5	DSRBA **4202H**	DSRBA **4802H**	DSRBA **5502H**
		3.5	DSRBA **4203H**	DSRBA **4803H**	DSRBA **5503H**
		4.5	DSRBA **4204H**	DSRBA **4804H**	DSRBA **5504H**
		5.5	DSRBA **4205H**	DSRBA **4805H**	DSRBA **5505H**
		6.5	DSRBA **4206H**	DSRBA **4806H**	DSRBA **5506H**
		7.5	DSRBA **4207H**	DSRBA **4807H**	DSRBA **5507H**
Non-Hex	Length 1.8	Cuff 1.5	-	DSRBA **4801N**	DSRBA **5501N**
		2.5	DSRBA **4202N**	DSRBA **4802N**	DSRBA **5502N**
		3.5	DSRBA **4203N**	DSRBA **4803N**	DSRBA **5503N**
		4.5	DSRBA **4204N**	DSRBA **4804N**	DSRBA **5504N**
		5.5	DSRBA **4205N**	DSRBA **4805N**	DSRBA **5505N**
		6.5	DSRBA **4206N**	DSRBA **4806N**	DSRBA **5506N**
		7.5	DSRBA **4207N**	DSRBA **4807N**	DSRBA **5507N**

R Long

Unit mm

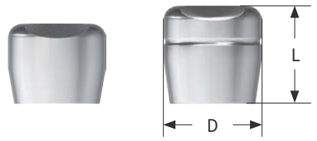
Fixture Size			Regular		
		Diameter	Ø4.2	Ø4.8	Ø5.5
Hex	Length 2.8	Cuff 1.5	-	DSRBAL **4801H**	DSRBAL **5501H**
		2.5	DSRBAL **4202H**	DSRBAL **4802H**	DSRBAL **5502H**
		3.5	DSRBAL **4203H**	DSRBAL **4803H**	DSRBAL **5503H**
		4.5	DSRBAL **4204H**	DSRBAL **4804H**	DSRBAL **5504H**
		5.5	DSRBAL **4205H**	DSRBAL **4805H**	DSRBAL **5505H**
		6.5	DSRBAL **4206H**	DSRBAL **4806H**	DSRBAL **5506H**
		7.5	DSRBAL **4207H**	DSRBAL **4807H**	DSRBAL **5507H**
Non-Hex	Length 2.8	Cuff 1.5	-	DSRBAL **4801N**	DSRBAL **5501N**
		2.5	DSRBAL **4202N**	DSRBAL **4802N**	DSRBAL **5502N**
		3.5	DSRBAL **4203N**	DSRBAL **4803N**	DSRBAL **5503N**
		4.5	DSRBAL **4204N**	DSRBAL **4804N**	DSRBAL **5504N**
		5.5	DSRBAL **4205N**	DSRBAL **4805N**	DSRBAL **5505N**
		6.5	DSRBAL **4206N**	DSRBAL **4806N**	DSRBAL **5506N**
		7.5	DSRBAL **4207N**	DSRBAL **4807N**	DSRBAL **5507N**

DeSR Abutment Components

DeSR Healing Cap

Used when fixture does not achieve adequate initial stability, protecting abutments intraorally and minimizing patient discomfort

- Tightening Torque : 5~8Ncm



Short Long

Unit mm

R

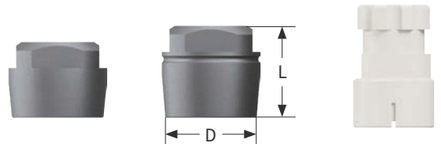
Fixture Size		Regular		
Diameter		Ø4.2	Ø4.8	Ø5.5
Short	Length 4.5	DSRNHC 4204	DSRHC 4804	DSRHC 5504
Long	Length 5.5	DSRNHCL 4205	DSRHCL 4805	DSRHCL 5505

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR H-Scanbody

Enable digital impression taking at healing and abutment levels

- Tightening Torque : 5~8Ncm



Short Long JIG

Unit mm

R

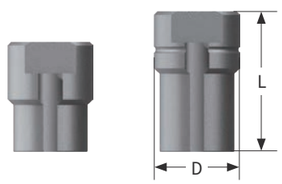
Fixture Size		Regular		
Diameter		Ø4.2	Ø4.8	Ø5.5
Short	Length 4.5	DSRNHSB 4204	DSRHSB 4804	DSRHSB 5504
Long	Length 5.5	DSRNHSBL 4205	DSRHSBL 4805	DSRHSBL 5505
Jig		JIG 501	JIG I551	JIG 602

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR Scan Adapter

Used for digital impression taking at abutment level

- Tightening Torque : 5~8Ncm



Short Long

Unit mm

R

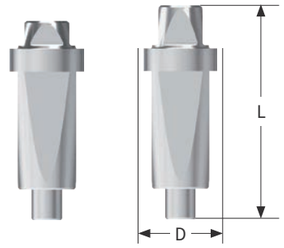
Fixture Size		Regular		
Diameter		Ø4.2	Ø4.8	Ø5.5
Short	Length 7	DSRNSA 4207	DSRSA 4807	DSRSA 5507
Long	Length 9	DSRNSAL 4209	DSRSAL 4809	DSRSAL 5509

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR Digital Analog

Used to replicate DeSR abutments on 3D printer models

- Tightening Torque : 5~8Ncm



Short Long

Unit mm

R

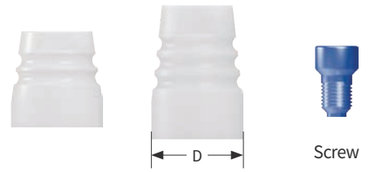
Fixture Size		Regular	
Diameter		Ø4.2	Ø4.8
Short	Length 13	DSRNDA 42	DSRDA 48
Long	Length 14	DSRNDAL 42	DSRDAL 48

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR Base Abutment Cap

Used for temporary crown fabrication by engaging with base abutment intraorally

- Packing Unit : Base Abutment Cap + Screw (DSRBACS 1804H)
- Tightening Torque : 20Ncm



Short Long Screw

Unit mm

R

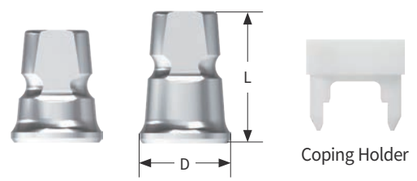
Fixture Size		Regular		
Diameter		Ø4.2	Ø4.8	Ø5.5
Short (5mm)	Hex	DSRNBAC 4205H	DSRBAC 4805H	DSRBAC 5505H
	Non-Hex	DSRNBAC 4205N	DSRBAC 4805N	DSRBAC 5505N
Long (7mm)	Hex	DSRNBACL 4207H	DSRBACL 4807H	DSRBACL 5507H
	Non-Hex	DSRNBACL 4207N	DSRBACL 4807N	DSRBACL 5507N

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR Transfer Impression Coping

Transfer type impression coping for abutment level impression taking

- Packing Unit : Transfer Impression Coping + Coping Screw (DSRTIS 05)
- Tightening Torque : 5~8Ncm



Short Long Coping Holder

*Sold separately

Unit mm

R

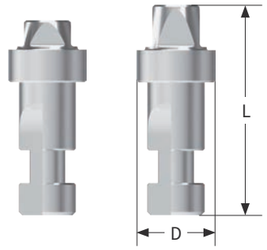
Fixture Size		Regular		
Diameter		Ø4.2	Ø4.8	Ø5.5
Short	5.5mm	DSRNTI 4205H	DSRTI 4805H	DSRTI 5505H
Long	6.5mm	DSRNTIL 4206H	DSRTIL 4806H	DSRTIL 5506H
Coping Holder		DSRTIH 4248		DSRTIH 5565

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR Abutment Components

DeSR Lab Analog

Used to replicate DeSR abutments on working models (stone model)



Short Long

Unit mm

R

Fixture Size		Regular		
Diameter		Ø4.2	Ø4.8	Ø5.5
Short	Length 12	DSRNLA 42	DSRLA 48	DSRLA 55
Long	Length 13	DSRNLAL 42	DSRLAL 48	DSRLAL 55

※ Components must correspond to the Base Abutment Short or Long Type.

DeSR Direct Screw

Dedicated for direct crown

- Straight Type : DSRDS 1804H / Angled type : DSRDS 1804T
- Use HD 1200A Hex Driver / ATD 1700 Torx Driver
- Tightening Torque : 25Ncm



Case where angle compensation is not required

Case where angle compensation is required

Unit mm

R

Fixture Size	Regular	
Type	1.2 Hex	Torx
	DSRDS 1804H	DSRDS 1804T

DeSR Crown Contact Screw

Used to check initial contact when engaging crowns intraorally



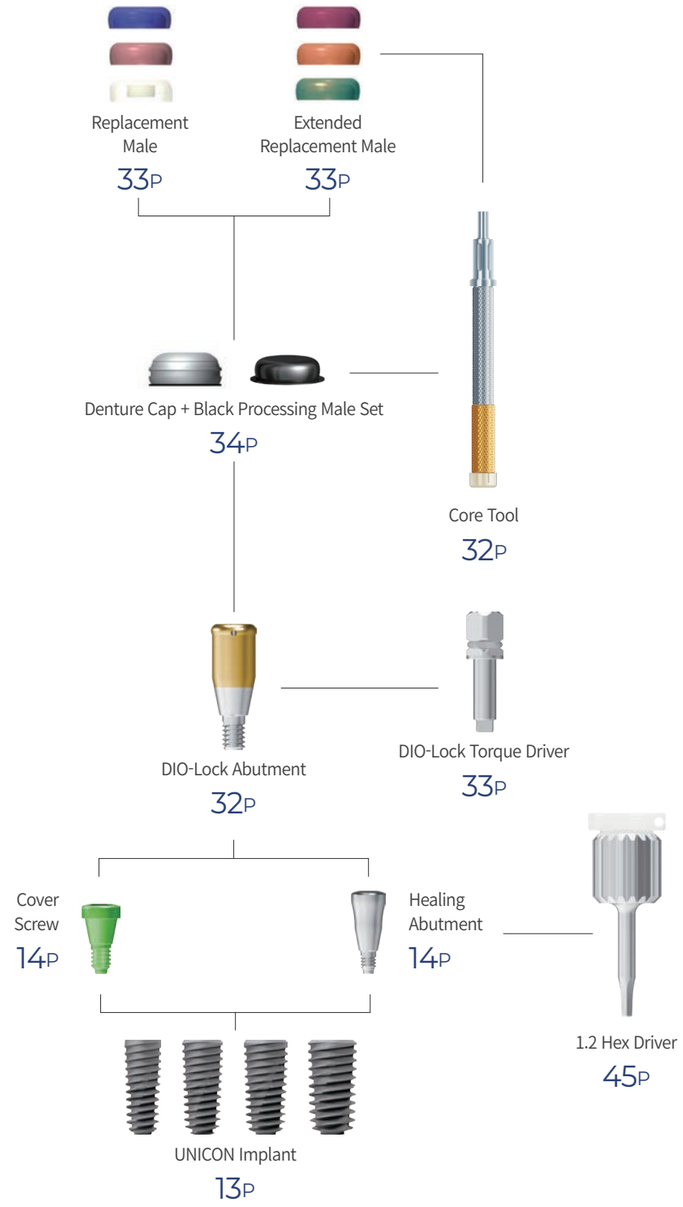
Unit mm

R

Fixture Size	Regular
Height 7	DSRCSS 18S

Overdenture

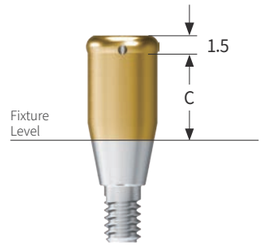
DIO-Lock Prosthetic Flow Chart



DIO-Lock Abutment (Submerged)

Upgraded from conventional denture systems (O-Ring System, Bar Type System, etc.) the DIO-Lock Abutment is connected to the fixture and engages with the male part attached to the denture, allowing connection and disconnection

- Use DIO-Lock Torque Driver
- Tightening Torque : 30~35Ncm



Unit mm

R

Fixture Size	Regular
Cuff 1	LCAS 3701
2	LCAS 3702
3	LCAS 3703
4	LCAS 3704
5	LCAS 3705
6	LCAS 3706
7	LCAS 3707

DIO-Lock Abutment (Submerged) Components

Lab Analog

Lab analog for Abutment



R

Fixture Size	Regular
	LCALA 3910

Core Tool

Used for engaging and disengaging Replacement Male with Denture Cap

- Seperated into 3 pieces and can also be used as Hand Driver for DIO-Lock Abutment



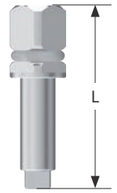
R

Fixture Size	Regular
	08393

DIO-Lock Abutment (Submerged) Components

DIO-Lock Torque Driver

Torque Driver for DIO-Lock Abutment



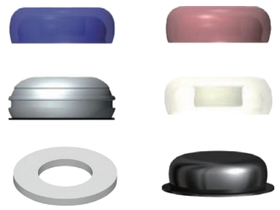
Unit mm

R

Fixture Size	Regular	
Length	10	15
	LDW 5010	LDW 5015

Male Package

- Packing Unit : 2Set - Denture Cap + Replacement Male (White, Pink, Blue) + Block-out Spacer + Black Processing Male
- Select and use appropriate retention force male according to case
- Replace male using locator Core Tool



R

Fixture Size	Regular
Type	2Set
	08519-2

Replacement Male

Medium for denture retention force implementation, replace when retention decreases / angle compensation up to 20°

- Packing Unit : 4ea



R

Fixture Size	Regular		
Retention	6N	12N	22N
	08529	08527	08524
Intensity	Weak	Intermediate	Strong

Extended Replacement Male

Medium for denture retention force implementation, replace when retention decreases / angle compensation up to 40°

- Packing Unit : 4ea



R

Fixture Size	Regular		
Retention	4N	8N	16N
	LOC 08548	LOC 08915	LOC 08547
Intensity	Weak	Intermediate	Strong

Denture Cap + Black Processing Male Set

- Packing Unit : Denture Cap 4ea + Black Processing Male 4ea



R

Fixture Size	Regular
	08510

Black Processing Male

Male used during prosthetic procedures

- Packing Unit : 4ea



R

Fixture Size	Regular
	08515

Block-Out Spacer

Used for sealing space between abutment and denture cap

- Packing Unit : 20ea



R

Fixture Size	Regular
	08514

Impression Coping

Abutment용 Pick-up Impression Coping

- Packing Unit : Impression Coping 4ea + Black Processing Male 4ea



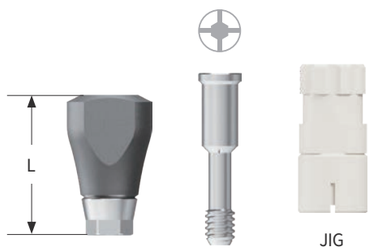
R

Fixture Size	Regular
	08505

Digital Components

H-Scanbody / Jig

- Packing Unit : H-Scanbody + Scan Screw
- Tightening Torque : 5~8Ncm
- Jig sold separately



*Sold separately

Unit mm

R

D Ø5.0

Fixture Size	Regular			
Length	4	6	8	Jig
Top view				
	HSCAN **541H**	HSCAN **561H**	HSCAN **581H**	JIG 501
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

R

D Ø6.0

Top view				
	HSCAN **641H**	HSCAN **661H**	HSCAN **681H**	JIG 601
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

R

D Ø6.0

Top view				
	HSCAN **642H**	HSCAN **662H**	HSCAN **682H**	JIG 602
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

R

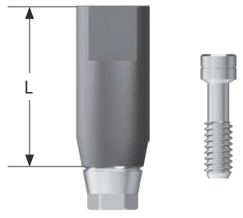
D Ø7.0

Top view				
	HSCAN **741H**	HSCAN **761H**	HSCAN **781H**	JIG 701
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

Scan Adapter

Connected to intraoral fixtures or lab analogs on stone models for scanning with intraoral scanners or desktop scanners to fabricate customized abutments

- Packing Unit : Scan Adapter + Screw
- Tightening Torque : 5~8Ncm



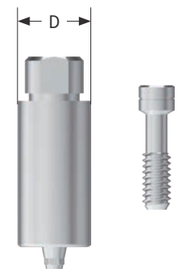
Unit mm

R

Fixture Size	Regular		
Length	9	15	Screw
	SCAN **01[H]**	SCAN **01-15[H]**	SSC **2008H**

Pre-Milled Bar

- Packing Unit : Pre-Milled Bar + Screw (SSC 2008H) (2ea)
- Tightening Torque : 30~35Ncm



Unit mm

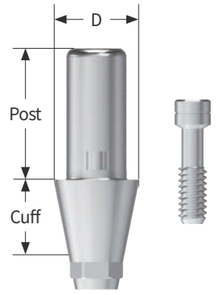
R

Fixture Size	Regular			
Type	Hex		Non-Hex	
Diameter	Ø10	Ø12	Ø10	Ø12
	CBSS **01[H]**	CBSS **02[H]**	CBSS **01N[H]**	CBSS **02N[H]**

Hybrid Link

Titanium extends to implant platform contact area, with zirconia post fabricated and bonded for easy anterior prosthetic fabrication

- Packing Unit : Hybrid Link + Screw (SSC 2008H)
- Tightening Torque : 30~35Ncm



Unit mm

R

Fixture Size		Regular			
Diameter		Ø4.5		Ø5.5	
Type		Hex	Non-Hex	Hex	Non-Hex
Post 4	Cuff 1	UFHL **45401H[H]**	UFHL **45401N[H]**	UFHL **55401H[H]**	UFHL **55401N[H]**
	2	UFHL **45402H[H]**	UFHL **45402N[H]**	UFHL **55402H[H]**	UFHL **55402N[H]**
	3	UFHL **45403H[H]**	UFHL **45403N[H]**	UFHL **55403H[H]**	UFHL **55403N[H]**
Post 5.5	Cuff 1	UFHL **45501H[H]**	UFHL **45501N[H]**	UFHL **55501H[H]**	UFHL **55501N[H]**
	2	UFHL **45502H[H]**	UFHL **45502N[H]**	UFHL **55502H[H]**	UFHL **55502N[H]**
	3	UFHL **45503H[H]**	UFHL **45503N[H]**	UFHL **55503H[H]**	UFHL **55503N[H]**
Post 7	Cuff 1	UFHL **45701H[H]**	UFHL **45701N[H]**	UFHL **55701H[H]**	UFHL **55701N[H]**
	2	UFHL **45702H[H]**	UFHL **45702N[H]**	UFHL **55702H[H]**	UFHL **55702N[H]**
	3	UFHL **45703H[H]**	UFHL **45703N[H]**	UFHL **55703H[H]**	UFHL **55703N[H]**

Digital Components

Scan Retractor

Improve accuracy of edentulous oral scanning while removing interfering factors to reduce scanning time

- Clear recognition of maxillary palatal area
- Control tongue/cheek movement
- Serve as reference point for oral scanning (mandible)
- **Packing Unit :** Each maxillary 1 set (5 pieces) / mandibular 1 set (5 pieces)



For Maxilla

For Mandible

Type	Upper	Lower
Code	SCANR **01S**	SCANR **02S**

Wax Denture

Thermoplastic material product enabling easy manipulation for patient gingival and occlusal registration

- Used for edentulous patients
- Easy custom fabrication
- Scannable with intraoral scanner
- **Packing Unit :** Each maxillary 1 piece / mandibular 1 piece



For Maxilla



For Mandible

Type	Upper	Lower
Small	WDU **01**	WDL **01**
Medium	WDU **02**	WDL **02**
Large	WDU **03**	WDL **03**

Marker

Used when reference teeth for registration are absent

- For use in CT scanning for digital implant procedures
- **Packing Unit :** 1Set (30ea)



Code	SGM **5040**

UNICON Kit 7 (UK 07) Kit

- Features the Smart Position System to pre-plan implant distance and prosthesis
- Taper design with excellent cutting efficiency and drill stop for easy depth control
- Flowline design follows left-to-right, procedural workflow

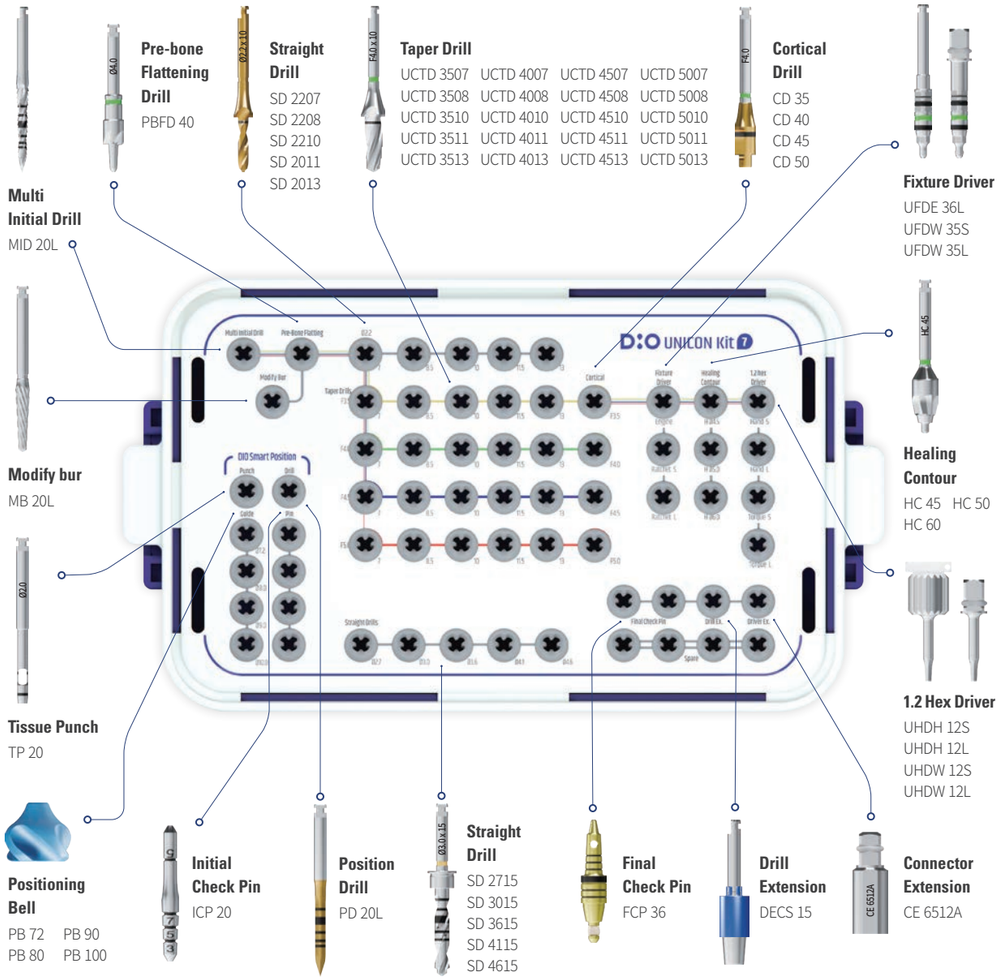
Torque Wrench
DTW 0080



Double Depth Gauge
DDG 1506

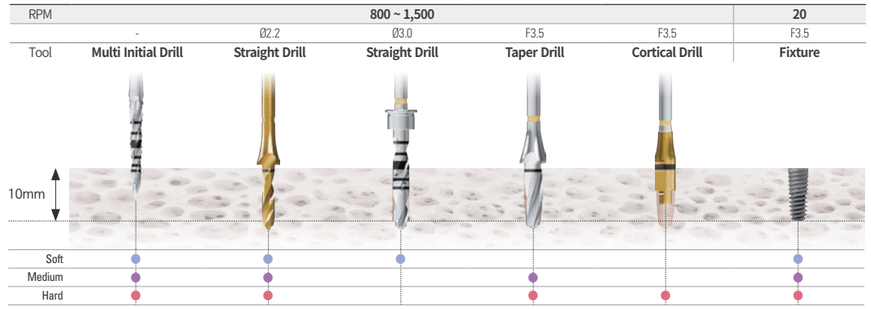


*Bottom Panel Components

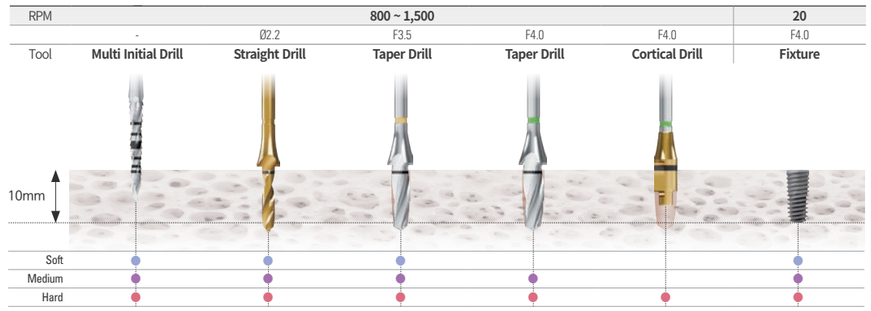


UNICON Fixture Drilling Sequence Kit

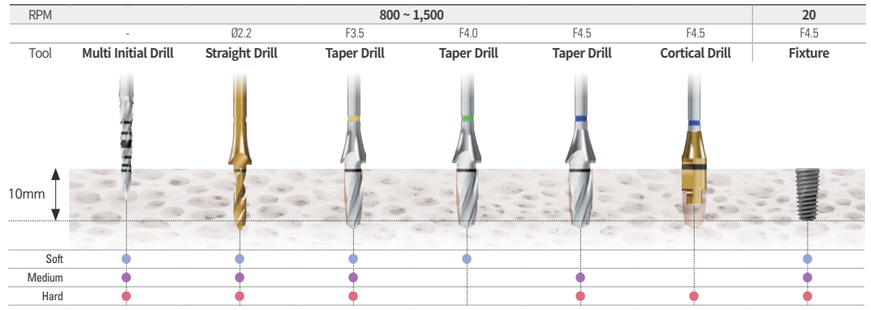
F3.5 Fixture



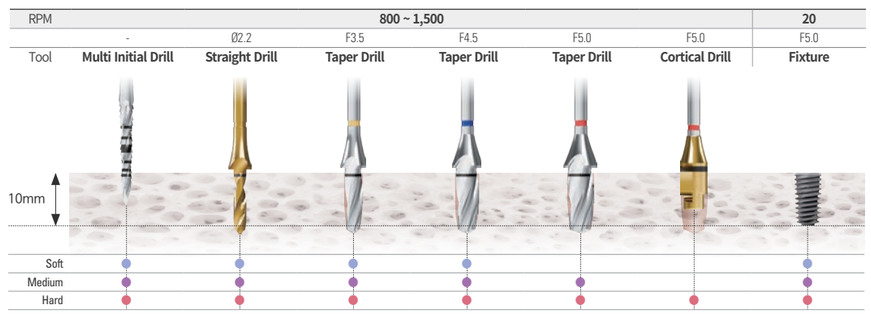
F4.0 Fixture



F4.5 Fixture



F5.0 Fixture



Surgical Instruments Kit

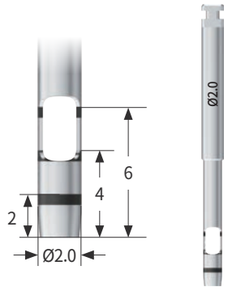
Ø2.0 Tissue Punch

Used to remove gingiva at the intended implant placement site

- Can be used for positioning when connected to the Positioning Bell

Unit mm

Diameter	Ø2.0
Code	TP 20



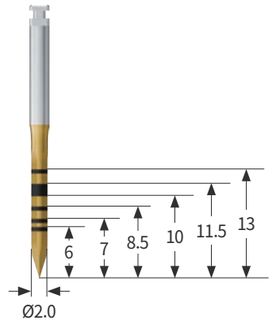
Position Drill

Used to mark the initial position of the implant

- Can be used for positioning when connected to the Positioning Bell

Unit mm

Diameter	Ø2.0
Code	PD 20L



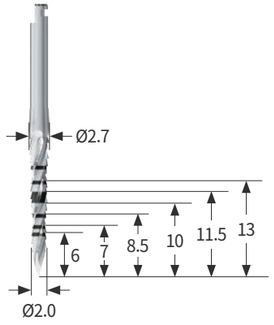
Multi Initial Drill

Used to create the initial drilling hole or adjust drilling direction

- Designed to prevent slipping on inclined bone

Unit mm

Diameter	Ø2.0 - Ø2.7
Code	MID 20L



Modify Bur

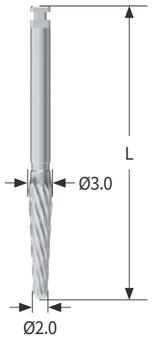
Used for correcting irregular ridges and for enlarging the site after extraction and initial drilling

- 2000 rpm

*Sold separately

Unit mm

Diameter	Ø2.0 - Ø3.0	
Length	30	34
Code	MB 20S	MB 20L

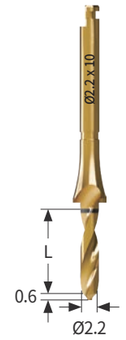


Straight Drill (Ø2.2)

Used for forming the initial drilling hole

Unit mm

Diameter	Ø2.2				
Length	7	8.5	10	11.5	13
Code	SD 2207	SD 2208	SD 2210	SD 2011	SD 2013



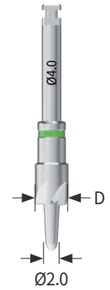
Pre-Bone Flattening Drill

Used to prepare the implant site after extraction (single root)

*Sold separately

Unit mm

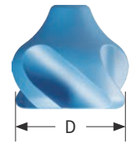
Diameter	Ø4.0	Ø4.5
Code	PBFD 40	PBFD 45
Color	Green	Blue



Positioning Bell

Used to gauge the distance to adjacent teeth during initial drilling

- Connects with Ø2.0 Tissue Punch, Position Drill, and Initial Check Pin
- Designed for easy irrigation



Unit mm

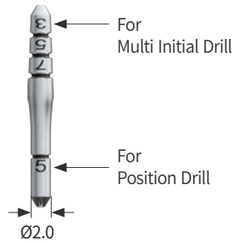
Length	8			
Diameter	Ø7.2	Ø8.0	Ø9.0	Ø10.0
Color	Green	Gray	Blue	Orange
Set Code(5ea)	PB 72S5	PB 80S5	PB 90S5	PB 100S5
Set Code(1ea)	PBS			

Surgical Instruments Kit

Initial Check Pin

Inserted into the hole after initial drilling to measure drilling direction and occlusion with opposing teeth

- One end used in Position Drill, the other end used in Multi Initial Drill Hole

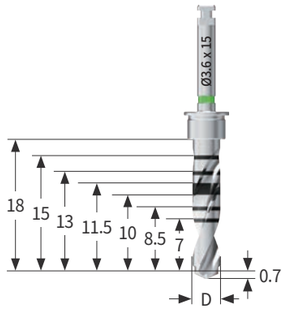


Unit mm

Diameter	Ø2.0
Code	ICP 20

Straight Drill

- Can drill up to 18 mm
- High cutting efficiency use with caution to control depth
- Can be used with a stopper if needed (stopper sold separately)



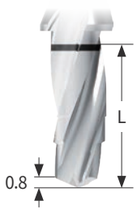
Unit mm

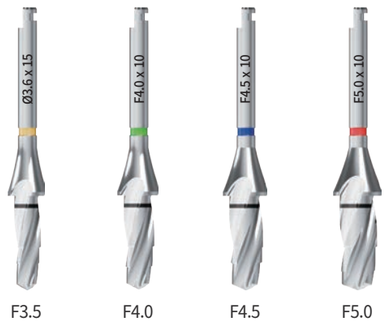
Length	15 (Refer to the image on the right.)				
Diameter	Ø2.7	Ø3.0	Ø3.6	Ø4.1	Ø4.6
Code	SD 2715	SD 3015	SD 3615	SD 4115	SD 4615
Color	-	Yellow	Green	Blue	Red

Taper Drill

Multi-step taper drill optimized for fixture shape

- Drill stop with 1 mm allowance
- Handle designed for easy irrigation





Unit mm

	F3.5	F4.0	F4.5	F5.0
Length 7	UCTD 3507	UCTD 4007	UCTD 4507	UCTD 5007
8.5	UCTD 3508	UCTD 4008	UCTD 4508	UCTD 5008
10	UCTD 3510	UCTD 4010	UCTD 4510	UCTD 5010
11.5	UCTD 3511	UCTD 4011	UCTD 4511	UCTD 5011
13	UCTD 3513	UCTD 4013	UCTD 4513	UCTD 5013
Color	Yellow	Green	Blue	Red

Cortical Drill

Used to remove cortical bone in dense bone

- mended to drill up to the marking lin

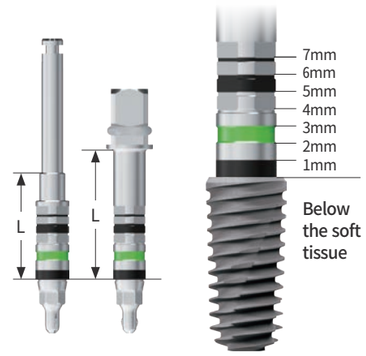


Unit mm

	F3.5	F4.0	F4.5	F5.0
Diameter	Ø3.7	Ø4.15	Ø4.5	Ø4.95
Code	CD 35	CD 40	CD 45	CD 50
Color	Yellow	Green	Blue	Red

Fixture Driver

Can place fixture up to 7 mm below soft tissue



*Sold separately

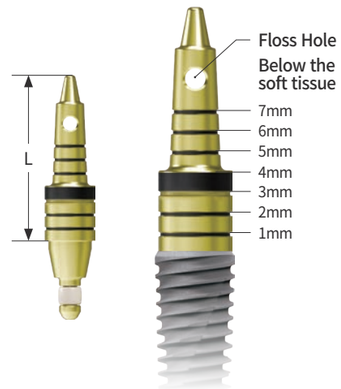
Unit mm

Type	Machine		Ratchet	
Length	8	11.5	14	21
Code	UFDE 36S	UFDE 36L	UFDW 35S	UFDW 35L

Final Check Pin

Connected to the placed fixture to check placement depth, path, and occlusion with opposing teeth

Occlusion check



Unit mm

Length	12
Code	FCP 36

Surgical Instruments Kit

Healing Contour

Used when removing adjacent bone after fixture placement

- Designed in Healing Abutment shape to prevent excessive bone removal



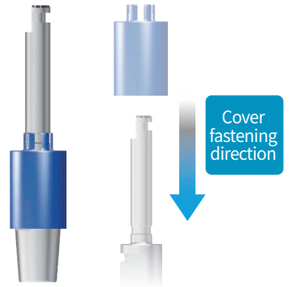
Unit mm

Diameter	Ø5.1	Ø5.6	Ø6.6
Code	HC 45	HC 50	HC 60
Color	Green	Red	Gray

Drill Extension Set

- Extends drill by 15.5 mm when connected; easy irrigation with dedicated cover
- Packing Unit : Drill Extension(DE 15) + Cover(DEC 07)

※ Available for individual purchase

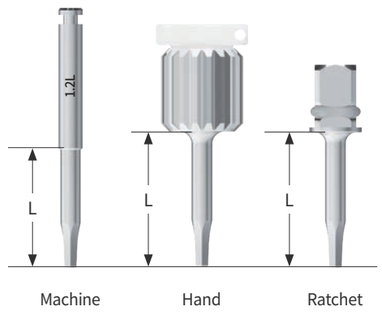


Code	DECS 15

1.2 Hex Driver

Surgical instrument used to connect abutment to fixture

- Hand type can be fixed with tweezers when interarch distance is narrow in posterior teeth



*Sold separately

Unit mm

Type	Machine		Hand		Ratchet	
Length	6	12	13	18	13	20
Code	UHDE 12S	UHDE 12L	UHDH 12S	UHDH 12L	UHDW 12S	UHDW 12L

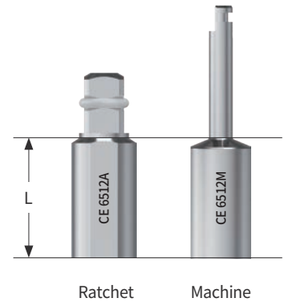
Connector Extension

Extends connector length during implant placement

*Sold separately

Unit mm

Type	Ratchet	Machine
Length 8	CE 6508A	CE 6508M
12	CE 6512A	CE 6512M



Torque Wrench

Used to adjust implant position and tighten abutment or screws

- Apply torque by pulling the bar to align with the line indicating the desired torque



Code	DTW 0080

Double Depth Gauge

Used to measure the depth of the drilling hole

- Can also be used as a probe to check pocket depth or internal bone shape



Code	DDG 1506

Sinus Drill Kit (SKDS 01) Kit

- Dedicated kit for crestal sinus
- Includes stop drill matching residual bone height
- For lift heights ≤ 3 mm, safe and quick elevation using drill only
- For wider elevation, use Water Membrane Lifter for safe and convenient sinus lift



Sinus Expansion Drill

SED 2503 SED 2504
SED 2505 SED 2506
SED 2507 SED 2508
SED 2510



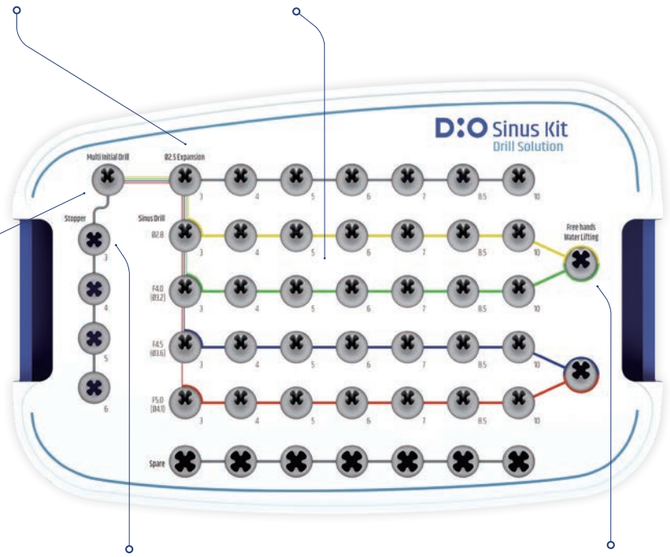
Sinus Lift Drill

SLD 2803	SLD 2804	SLD 2805	SLD 2806	SLD 2807	SLD 2808	SLD 2810
SLD 3203	SLD 3204	SLD 3205	SLD 3206	SLD 3207	SLD 3208	SLD 3210
SLD 3603	SLD 3604	SLD 3605	SLD 3606	SLD 3607	SLD 3608	SLD 3610
SLD 4103	SLD 4104	SLD 4105	SLD 4106	SLD 4107	SLD 4108	SLD 4110



Multi Initial ST Drill

MISD 2027



Stopper



NST 03BL NST 04YE NST 05RD NST 06BL



Water Membrane Lifter

WML 2637 WML 3446

Sinus Membrane Detach Tool

SMDT 01



Saline Tube

MLT 40300



Depth Gauge

DPG 2050

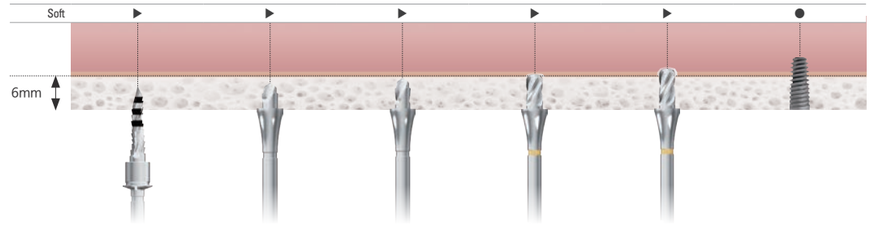


*Bottom Panel Components

Drilling Sequence Kit

F3.5 x 8.5mm

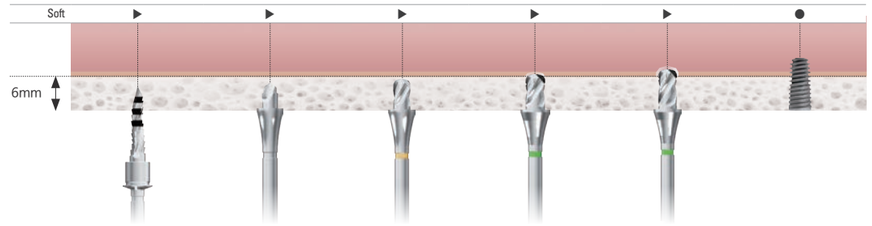
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion Drill	Sinus Expansion Drill	Sinus Lift Drill	Sinus Lift Drill	Fixture
	-	Ø2.5 x 4mm	Ø2.5 x 5mm	Ø2.8 x 6mm	Ø2.8 x 7mm	F3.5
RPM	600 ~ 1,000					20

F4.0 x 8.5mm

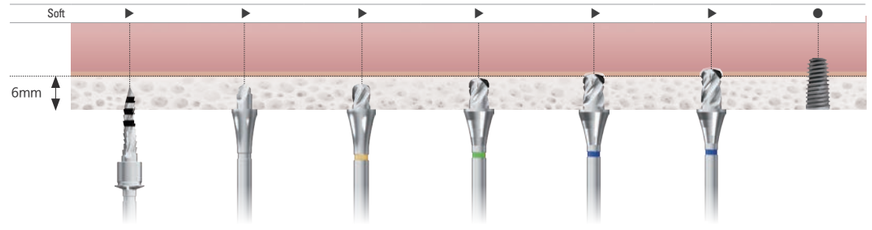
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion Drill	Sinus Lift Drill	Sinus Lift Drill	Sinus Lift Drill	Fixture
	-	Ø2.5 x 4mm	Ø2.8 x 5mm	Ø3.2 x 6mm	Ø3.2 x 7mm	F4.0
RPM	600 ~ 1,000					20

F4.5 x 8.5mm

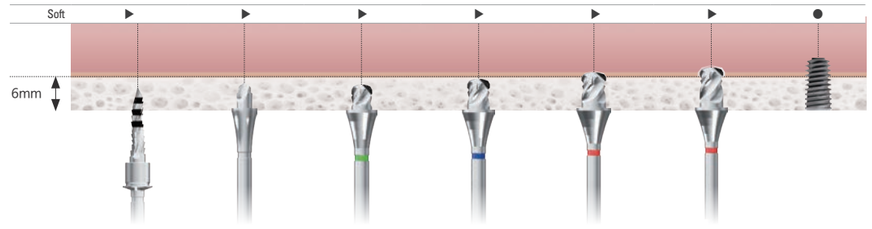
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion Drill	Sinus Lift Drill	Sinus Lift Drill	Sinus Lift Drill	Sinus Lift Drill	Fixture
	-	Ø2.5 x 4mm	Ø2.8 x 4mm	Ø3.2 x 5mm	Ø3.6 x 6mm	Ø3.6 x 7mm	F4.5
RPM	600 ~ 1,000						20

F5.0 x 8.5mm

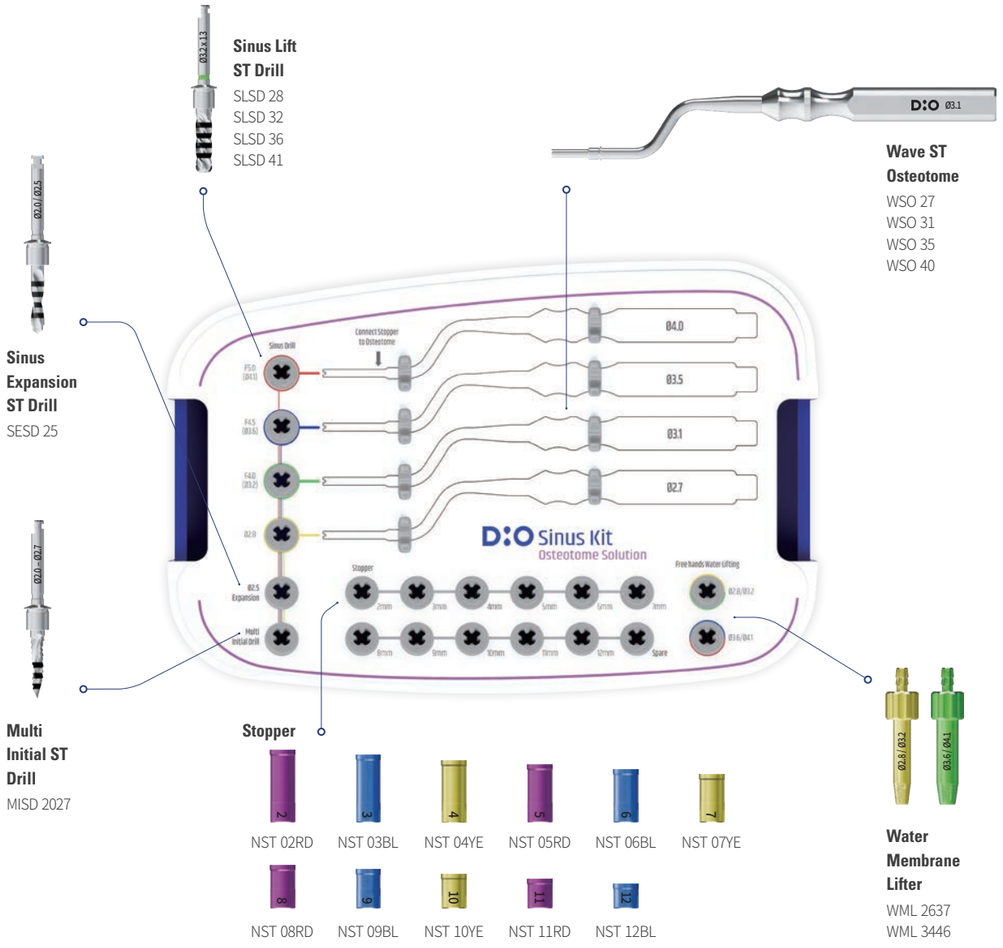
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion Drill	Sinus Lift Drill	Sinus Lift Drill	Sinus Lift Drill	Sinus Lift Drill	Fixture
	-	Ø2.5 x 4mm	Ø3.2 x 4mm	Ø3.6 x 5mm	Ø4.1 x 6mm	Ø4.1 x 7mm	F5.0
RPM	600 ~ 1,000						20

Sinus Osteotome Kit (SKOS 01) Kit

- Dedicated kit for crestal sinus
- Designed to reduce shock transmitted to the patient
- Depth adjustment easy with dedicated stopper
- For wider elevation, use Water Membrane Lifter for safe and convenient sinus lift



Sinus Membrane Detach Tool
SMDT 01



Saline Tube
MLT 40300



Depth Gauge
DPG 2050



Mallet
OSM 001

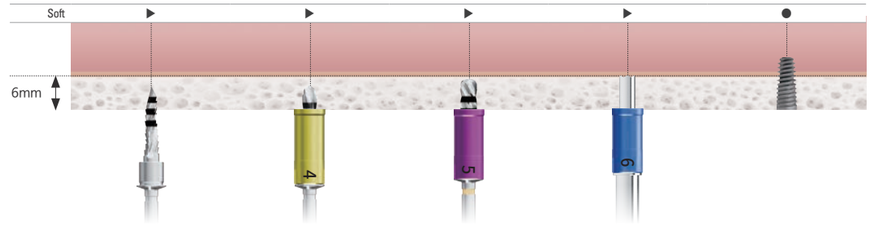


*Bottom Panel Components

Drilling Sequence Kit

F3.5 x 8.5mm

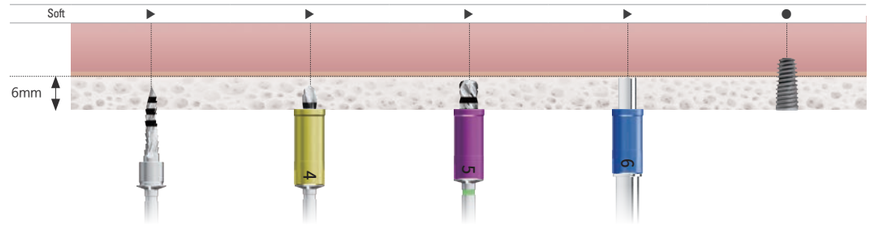
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion ST Drill	Sinus Lift ST Drill	Wave ST Osteotome	Fixture
	-	Ø2.5 x 4mm	Ø2.8 x 5mm	Ø2.7 x 6mm	F3.5
RPM	600 ~ 1,000				20

F4.0 x 8.5mm

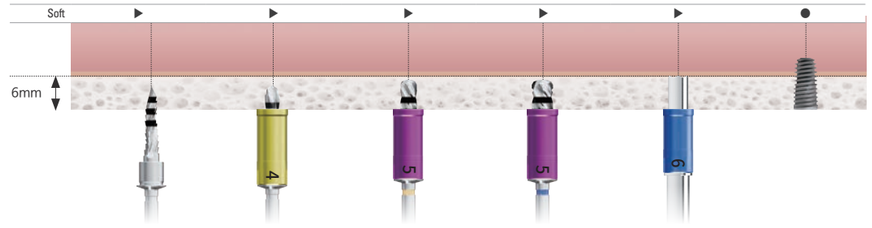
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion ST Drill	Sinus Lift ST Drill	Wave ST Osteotome	Fixture
	-	Ø2.5 x 4mm	Ø3.2 x 5mm	Ø3.1 x 6mm	F4.0
RPM	600 ~ 1,000				20

F4.5 x 8.5mm

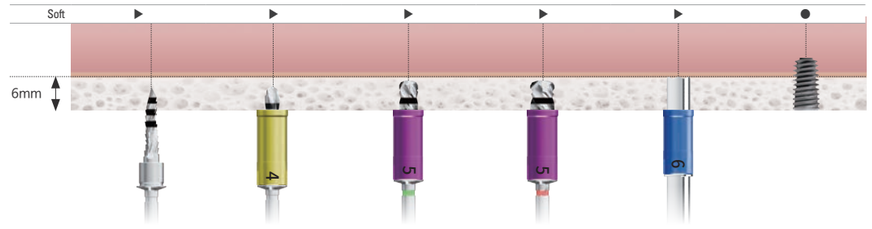
Residual bone 6mm



Tool	Multi Initial ST Drill	Sinus Expansion ST Drill	Sinus Lift ST Drill	Sinus Lift ST Drill	Wave ST Osteotome	Fixture
	-	Ø2.5 x 4mm	Ø2.8 x 5mm	Ø3.6 x 5mm	Ø3.5 x 6mm	F4.5
RPM	600 ~ 1,000					20

F5.0 x 8.5mm

Residual bone 6mm



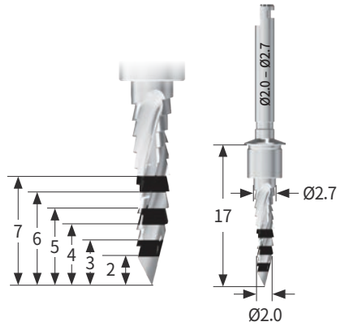
Tool	Multi Initial ST Drill	Sinus Expansion ST Drill	Sinus Lift ST Drill	Sinus Lift ST Drill	Wave ST Osteotome	Fixture
	-	Ø2.5 x 4mm	Ø3.2 x 5mm	Ø4.1 x 5mm	Ø4.0 x 6mm	F5.0
RPM	600 ~ 1,000					20

Surgical Instruments Kit

Multi Initial ST Drill

Used to create initial drilling hole or adjust drilling direction

- Non-slip design for inclined bone
- Stopper can be used optionally depending on residual bone height



Unit mm

Diameter	Ø2.0
Code	MISD **2027**

Sinus Expansion Drill

Used to enlarge the hole before using Sinus Lift Drill

- Includes drills corresponding to residual bone height



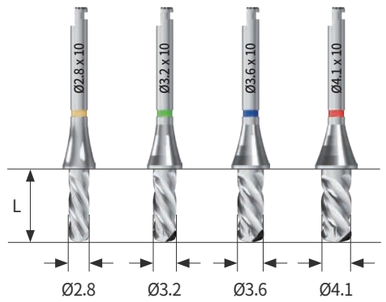
Unit mm

Diameter	Ø2.5						
Length	3	4	5	6	7	8.5	10
Code	SED **2503**	SED **2504**	SED **2505**	SED **2506**	SED **2507**	SED **2508**	SED **2510**

Sinus Lift Drill

Sinus-specific drill that pushes bone chips toward the membrane during drilling

- Membrane-protective design
- Includes drills corresponding to residual bone height



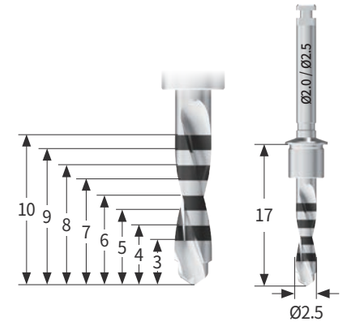
Unit mm

Diameter	Ø2.8	Ø3.2	Ø3.6	Ø4.1
Length 3	SLD **2803**	SLD **3203**	SLD **3603**	SLD **4103**
4	SLD **2804**	SLD **3204**	SLD **3604**	SLD **4104**
5	SLD **2805**	SLD **3205**	SLD **3605**	SLD **4105**
6	SLD **2806**	SLD **3206**	SLD **3606**	SLD **4106**
7	SLD **2807**	SLD **3207**	SLD **3607**	SLD **4107**
8.5	SLD **2808**	SLD **3208**	SLD **3608**	SLD **4108**
10	SLD **2810**	SLD **3210**	SLD **3610**	SLD **4110**
Color	Yellow	Green	Blue	Red

Sinus Expansion ST Drill

Used to enlarge the hole before using Sinus Lift ST Drill

- Stopper can be used optionally depending on residual bone height



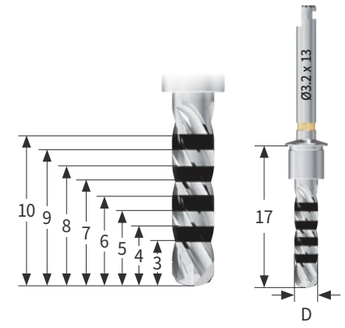
Unit mm

Diameter	Ø2.5
Code	SESD **25**

Sinus Lift ST Drill

Sinus-specific drill that pushes bone chips toward the membrane during drilling

- Membrane-protective design
- Stopper can be used optionally depending on residual bone height



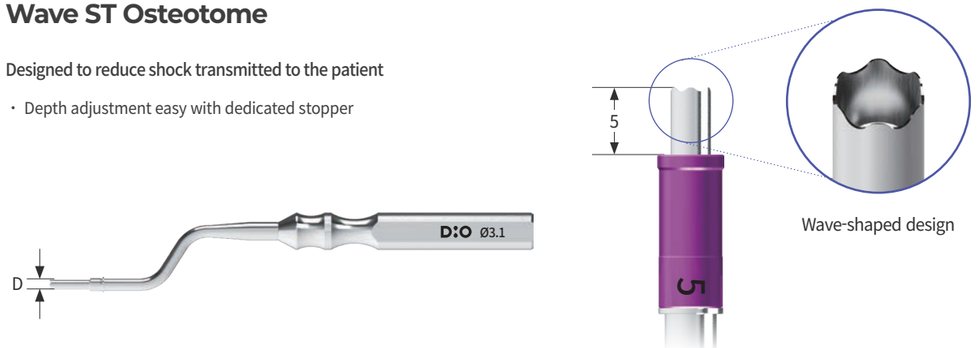
Unit mm

Diameter	Ø2.8	Ø3.2	Ø3.6	Ø4.1
Code	SLSD **28**	SLSD **32**	SLSD **36**	SLSD **41**

Wave ST Osteotome

Designed to reduce shock transmitted to the patient

- Depth adjustment easy with dedicated stopper



Unit mm

Diameter	Ø2.7	Ø3.1	Ø3.5	Ø4.0
Code	WSO **27**	WSO **31**	WSO **35**	WSO **40**

Surgical Instruments Kit

Stopper

Used for depth control of Multi Initial ST Drill, Sinus Expansion ST Drill, Sinus Lift ST Drill, and Wave ST Osteotome

- Anodized color by length and laser marking on stopper for easy identification



Unit mm

Drilling Length	2	3	4	5	6	7
Stopper Length	15	14	13	12	11	10
Code	NST 02RD	NST 03BL	NST 04YE	NST 05RD	NST 06BL	NST 07YE
						
Drilling Length	8	9	10	11	12	
Stopper Length	9	8	7	6	5	
Code	NST 08RD	NST 09BL	NST 10YE	NST 11RD	NST 12BL	
						

Water Membrane Lifter

Instrument for hydraulic sinus lift

- Fixed clockwise into the drilled hole
- Allows convenient hydraulic lift without additional assistance



Unit mm

Diameter	Ø3.7	Ø4.6
Available Hole Diamete	Ø2.8 - 3.2	Ø3.6 - 4.1
Code	WML 2637	WML 3446

Water Membrane Lifter Dummy

Used to block other holes when performing hydraulic lift on two or more holes



*Sold separately

Unit mm

Diameter	Ø3.7	Ø4.6
Available Hole Diamete	Ø2.8 - 3.2	Ø3.6 - 4.1
Code	WMLD 2637	WMLD 3446

Mallet



Code	OSM 001

Sinus Membrane Detach Tool

Used for membrane detachment at crestal site

- Slim, rounded design enables safe lift when residual bone is thin



Code	SMDT 01

Depth Gauge

Used to measure the depth of the drilling hole



Code	DPG 2050

Saline Tube

- Syringe sold separately



Code	MLT 40300