Ver 5.0(CE)

UFII Internal Submerged System Product Catalog

UFII Internal Submerged System

- UFII Narrow
- UFII Regular
- UFII Wide
- UFII Kits
- DIOnavi. Kit
- Surgical Kit

DIO IMPLANT

※ This catalog does not contain all products of DIO Corporation.
Please check with your local sales office order products.

UFII Internal Submerged System

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Surgical Kit	129



UFII Internal Submerged System

UFⅡ Internal Submerged System

N Narrow

013
UFⅡ Narrow Fixture

Ø3.0 Ø3.3

017
Cover Screw


018
Healing Abutment


Cement / Screw - Retained Restorations

024
Pick-up Impression Coping


025
Transfer Impression Coping


026
Fixture Analog


026
Temporary Abutment


027
Cemented Abutment


030
Angled Abutment


031
UCLA CCM Abutment


Cement - Retained Restorations

033
Solid Abutment


034
Protect Cap


034
Impression Cap


035
Solid Abutment Analog


035
Plastic Coping


Overdenture - Retained Restorations

043
Ball Abutment


044
Ball Abutment Analog


044
Retainer


044
Ball Cap


044
O-Ring


045
OT Cap


045
Stainless Steel Housing


045
Insertion Tool For Caps


045
Remove Tool For Caps


046
Locator Abutment


046
Replacement Male


046
Extended Replacement Male


047
Male Package


047
Denture Cap


047
Black Processing Male

047
Block-Out Spacer

048
Locator Core Tool

048
Locator Square Drive Torque Wrench Driver


049
MagDen Abutment


049
Magnetic Assembly


Cement / Screw - Retained Restorations

051 Multiunit Abutment



051 Multiunit Screw Driver



051 Transfer Impression Coping



052 Conical Abutment



052 Healing Cap



052 Pick-up Impression Coping



052 Abutment Analog



053 Temporary Cylinder



053 Plastic Cylinder



053 Cylinder Screw



R Regular W Wide

014 UF Ⅱ Regular Ø3.8/4.0/4.5/5.0/5.5 Wide Ø5.9/6.4/6.9



017 Cover Screw



017 Bone Forming Cover Screw



019 Healing Abutment



Cement / Screw - Retained Restorations

024 Pick-up Impression Coping



025 Transfer Impression Coping



026 Fixture Analog



026 Temporary Abutment



027 Cemented Abutment



029 Mill Abutment



030 Angled Abutment



031 UCLA CCM Abutment



031 UCLA Plastic Abutment



Cement - Retained Restorations

033 Solid Abutment



034 Protect Cap



035 Impression Cap



035 Solid Abutment Analog



035 Plastic Coping



Screw - Retained Restorations

037 Octa Abutment



037 Healing Cap



038 Pick-up Impression Coping



038 Transfer Impression Coping



038 Octa Abutment Analog



UFⅡ Internal Submerged System

Cement / Screw - Retained Restorations

039 Temporary Cylinder



039 Cemented Cylinder



040 Plastic Cylinder



Overdenture - Retained Restorations

043 Ball Abutment



044 Ball Abutment Analog



044 Retainer



044 Ball Cap



044 O-Ring



045 OT Cap



045 Stainless Steel Housing



045 Insertion Tool For Caps



045 Remove Tool For Caps



046 Locator Abutment



046 Replacement Male



046 Extended Replacement Male



047 Male Package



047 Denture Cap



047 Black Processing Male

047 Block-Out Spacer

048 Locator Core Tool

048 Locator Square Drive Torque Wrench Driver



049 MagDen Abutment



049 Magnetic Assembly



Cement / Screw - Retained Restorations

051 Multiunit Abutment



051 Multiunit Screw Driver



051 Transfer Impression Coping



052 Conical Abutment



052 Healing Cap



052 Pick-up Impression Coping



052 Abutment Analog



053 Temporary Cylinder



053 Plastic Cylinder



053 Cylinder Screw



Screw - Retained Restorations

055 Multiunit Straight Abutment



055 Multiunit Angled Abutment



056 Healing Cap



056 Pick-up Impression Coping



056 Transfer Impression Coping



056 H-Scanbody 

057 Scan Adapter 

057 Cylinder Protector 

057 CCM Cylinder 

058 Cemented Cylinder 

058 Plastic Cylinder 

058 Temporary Cylinder 

059 Cylinder Screw 

059 Abutment Analog 

059 Digital Analog 

Digital Materials

Digital Abutment

061 Lower Incisor Narrow Angled Abutment 

062 Upper Incisor Narrow Angled Abutment 

063 Upper Incisor Angled Abutment 

064 Canine Angled Abutment 

065 Pre-Molar Angled Abutment 

066 Molar Angled Abutment 

H-Scanbody

069 UF Ⅱ Int. Sub. 

Scan Adapter

071 UF Ⅱ Int. Sub. Narrow 

071 UF Ⅱ Int. Sub. Regular Wide 

Scan Retractor

072 Scan Retractor 

072 Wax Denture 

072 Marker 

Pre-Milled Bar

073 UF Ⅱ Int. Sub. Narrow 

073 UF Ⅱ Int. Sub. Regular Wide 

Hybrid Link

074 UF Ⅱ Int. Sub. Narrow 

074 UF Ⅱ Int. Sub. Regular Wide 

Digital Fixture Analog

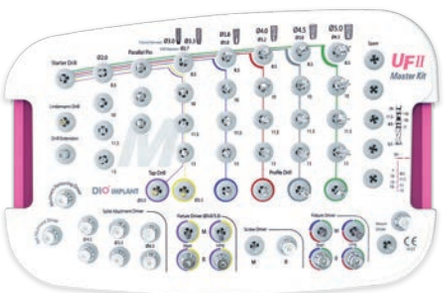
075 UF Ⅱ Int. Sub. Narrow 

075 UF Ⅱ Int. Sub. Regular Wide 

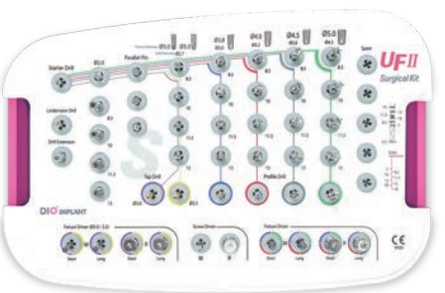
UFⅡ Internal Submerged System

UFⅡ Surgical Kit

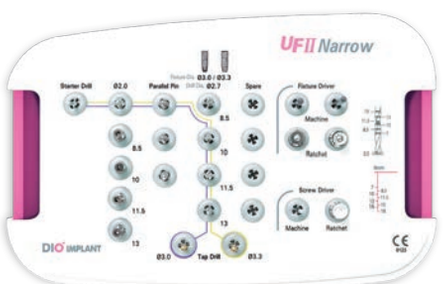
076
UFⅡ Master Kit



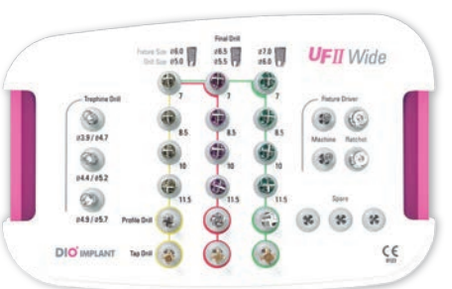
077
UFⅡ Surgical Kit



090
UFⅡ Narrow Kit

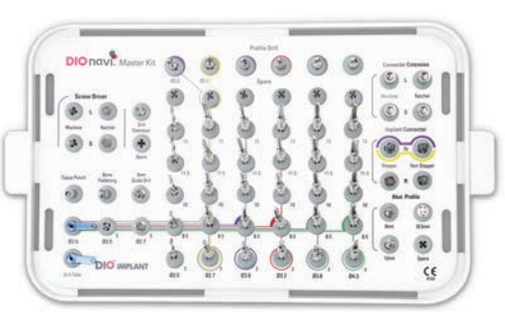


094
UFⅡ Wide Kit

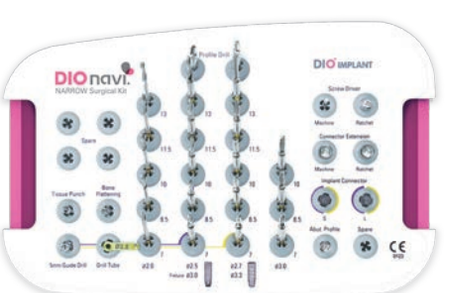


DIOnavi. Surgical Kit

100
DIOnavi. Master Kit



109
DIOnavi. Narrow Kit



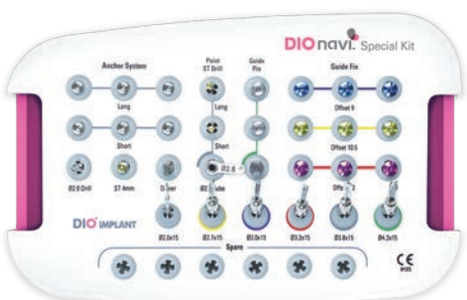
115
DIOnavi. Wide Kit



121
DIOnavi. Flapless
Crestal Sinus Kit



124
DIOnavi. Special Kit

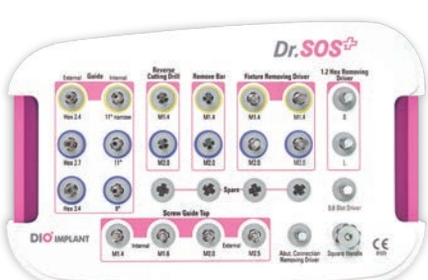


Surgical Kit

130
Sinus Master Kit



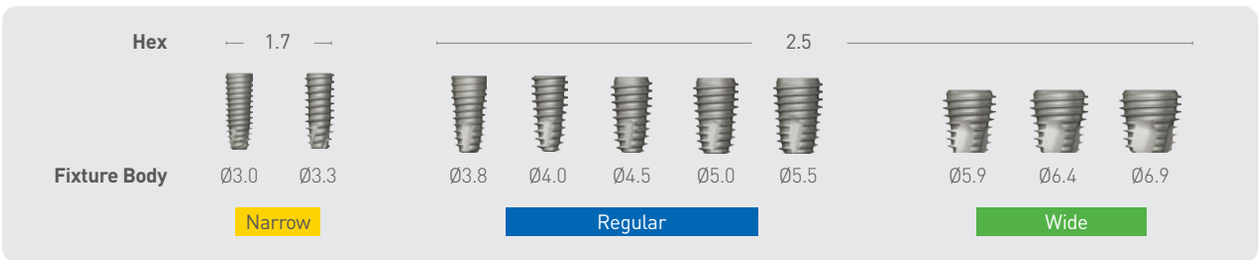
137
Dr.SOS+ Kit

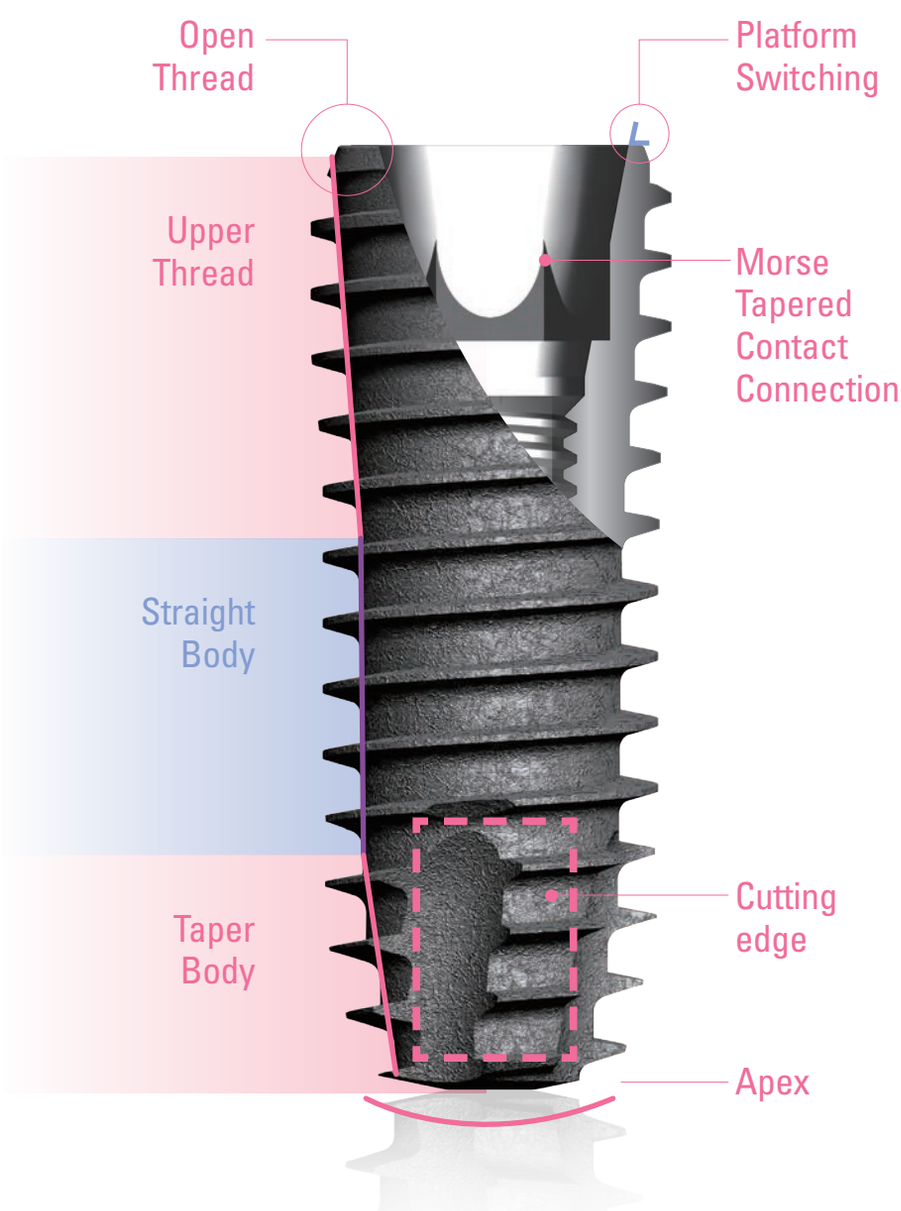


Implant Surface Treatment Feature

Hybrid Type SLA Implant

UFII Implant



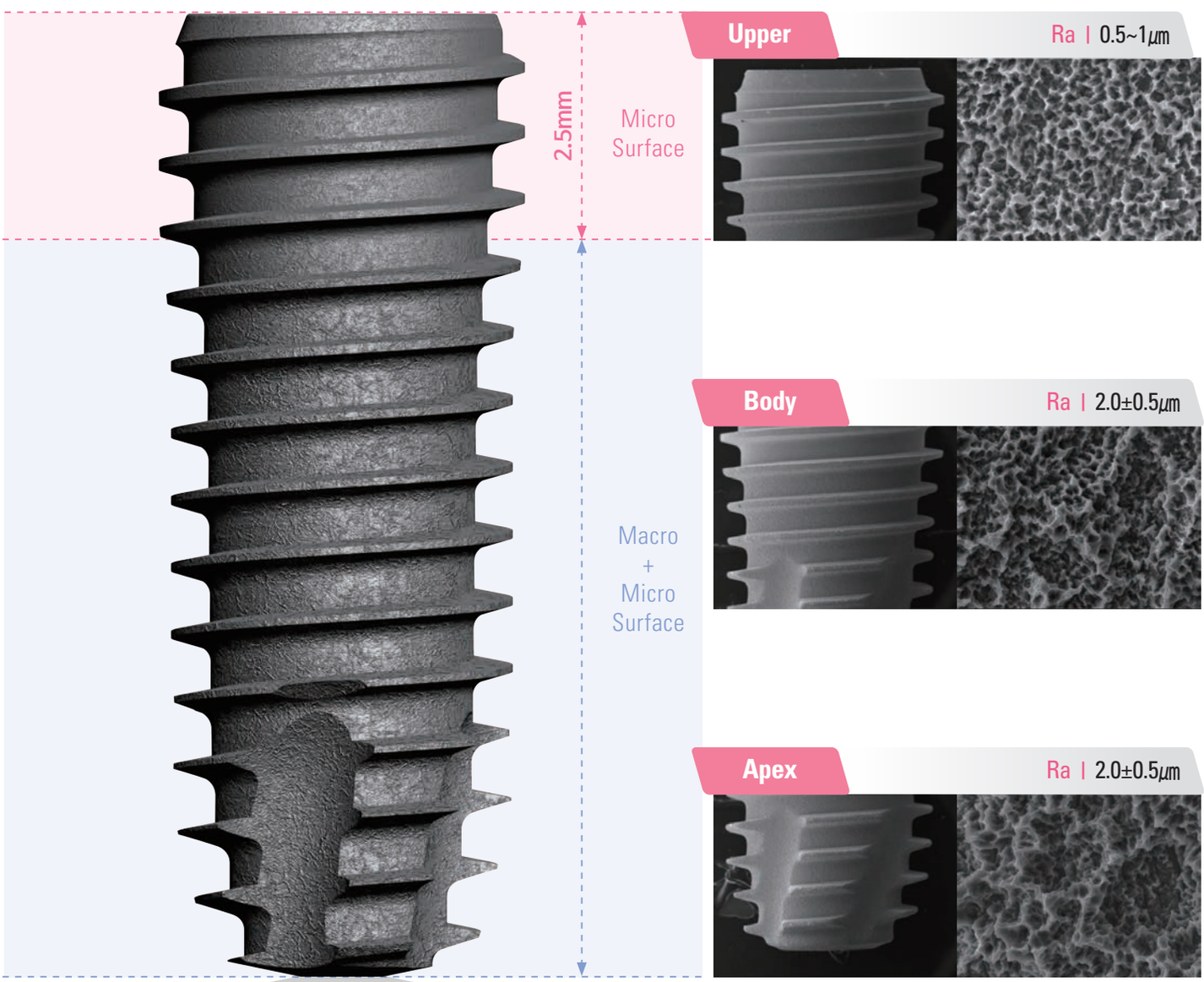


※ This product is a 'medical device' and read and use 'cautions for use' and 'how to use it'.
Review number 2019ET1120105

Implant Surface Treatment Feature

Hybrid Type SLA Implant

UFⅡ Implant Surface HSA



UFⅡ Internal Submerged System

UFⅡ Narrow

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

HSA UV Active

UFⅡ Regular

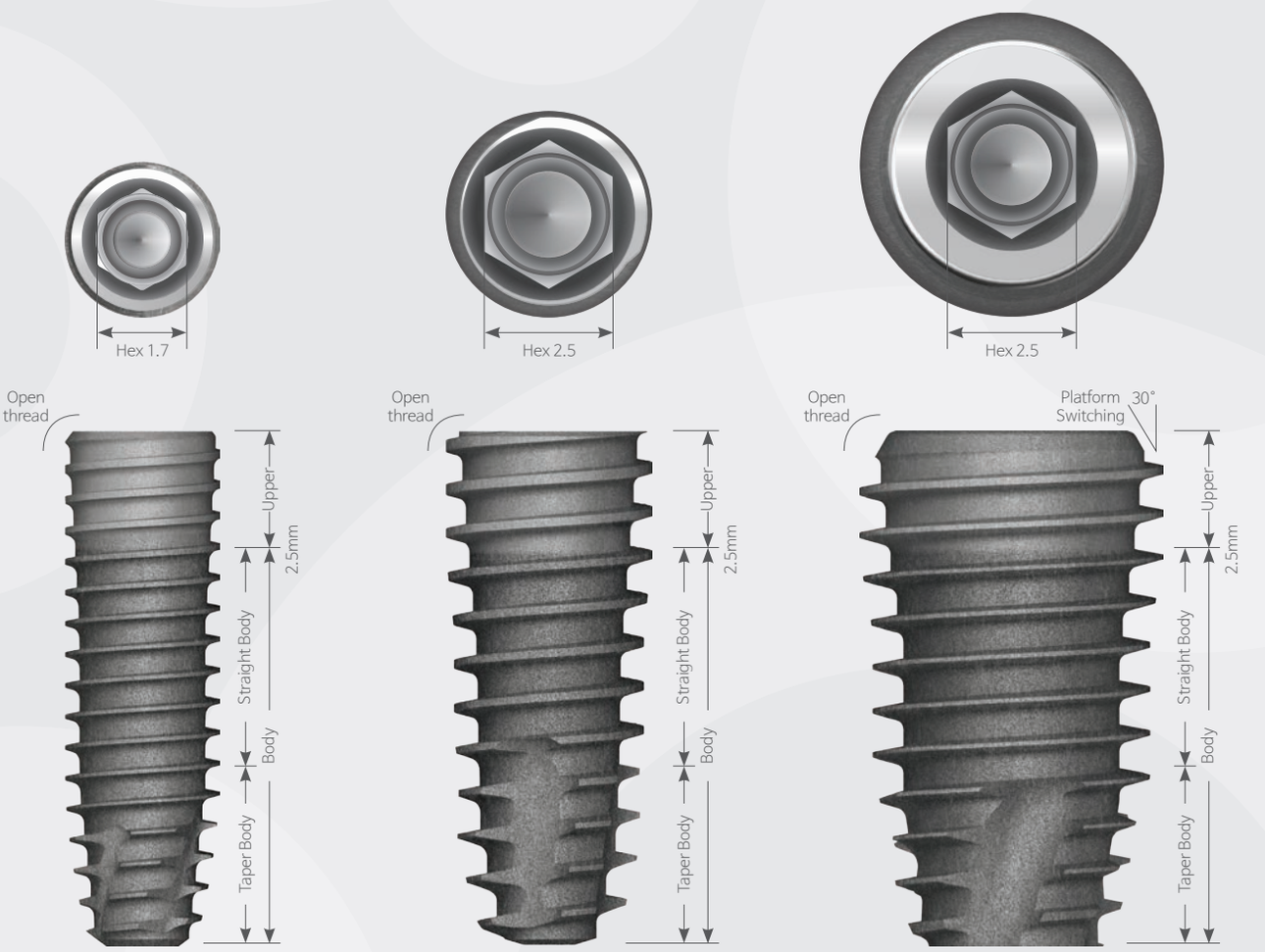
D Ø3.8 | Ø4.0 | Ø4.5 | Ø5.0 | Ø5.5
L 7 | 8.5 | 10 | 11.5 | 13 | 15

HSA UV Active

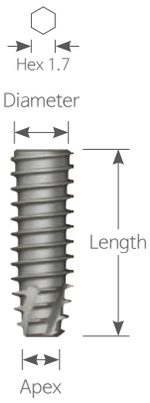
UFⅡ Wide

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

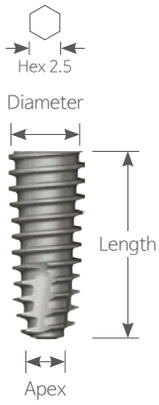
HSA UV Active



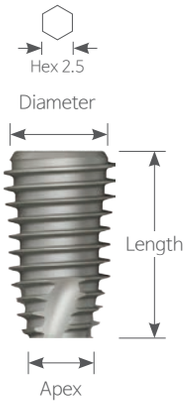
UFⅡ Narrow



UFⅡ Regular



UFⅡ Wide



Narrow Fixture

▸ Ø3.0 fixture exclusive for anterior region.

· HSA / Packing Unit : Fixture | Order code : UF(Ⅱ)N 0000SF (ex : UF(Ⅱ)N 3008SF)
Fixture + Cover Screw | Order code : UF(Ⅱ)N 0000S (ex : UF(Ⅱ)N 3008S)
· UV Active / Packing Unit : Fixture

N D Ø3.0 Hex 1.7 Apex Ø1.6

Unit mm | Scale 1 : 1.2

Length	8.5	10	11.5	13	15
					
HSA	UF(Ⅱ)N **3008SF**	UF(Ⅱ)N **3010SF**	UF(Ⅱ)N **3011SF**	UF(Ⅱ)N **3013SF**	UF(Ⅱ)N **3015SF**
UV Active	UF(Ⅱ)N **3008UV3**	UF(Ⅱ)N **3010UV3**	UF(Ⅱ)N **3011UV3**	UF(Ⅱ)N **3013UV3**	–

N D Ø3.3 Hex 1.7 Apex Ø1.9

Length	8.5	10	11.5	13	15
					
HSA	UF(Ⅱ)N **3308SF**	UF(Ⅱ)N **3310SF**	UF(Ⅱ)N **3311SF**	UF(Ⅱ)N **3313SF**	UF(Ⅱ)N **3315SF**
UV Active	UF(Ⅱ)N **3308UV3**	UF(Ⅱ)N **3310UV3**	UF(Ⅱ)N **3311UV3**	UF(Ⅱ)N **3313UV3**	–

Regular Fixture

- HSA / Packing Unit : Fixture | Order code : UF(Ⅱ) 0000SF (ex : UF(Ⅱ) 3808SF)
  Fixture + Cover Screw | Order code : UF(Ⅱ) 0000S (ex : UF(Ⅱ) 3808S)
  Fixture Mount + Mount Screw + Fixture + Cover Screw | Order code : PUF(Ⅱ) 0000S (ex : PUF(Ⅱ) 3808S)
- UV Active / Packing Unit : Fixture

R D Ø3.8 Hex 2.5 Apex Ø1.4

Unit mm | Scale 1 : 1.2

Length	7	8.5	10	11.5	13	15
						
HSA	-	UF(Ⅱ) **3808SF**	UF(Ⅱ) **3810SF**	UF(Ⅱ) **3811SF**	UF(Ⅱ) **3813SF**	UF(Ⅱ) **3815SF**
UV Active	-	UF(Ⅱ) **3808UV3**	UF(Ⅱ) **3810UV3**	UF(Ⅱ) **3811UV3**	UF(Ⅱ) **3813UV3**	-

R D Ø4.0 Hex 2.5 Apex Ø1.6

Length	7	8.5	10	11.5	13	15
						
HSA	-	UF(Ⅱ) **4008SF**	UF(Ⅱ) **4010SF**	UF(Ⅱ) **4011SF**	UF(Ⅱ) **4013SF**	UF(Ⅱ) **4015SF**
UV Active	-	UF(Ⅱ) **4008UV3**	UF(Ⅱ) **4010UV3**	UF(Ⅱ) **4011UV3**	UF(Ⅱ) **4013UV3**	-

R D Ø4.5 Hex 2.5 Apex Ø1.6

Length	7	8.5	10	11.5	13	15
						
HSA	UF(Ⅱ) **4507SF**	UF(Ⅱ) **4508SF**	UF(Ⅱ) **4510SF**	UF(Ⅱ) **4511SF**	UF(Ⅱ) **4513SF**	UF(Ⅱ) **4515SF**
UV Active	UF(Ⅱ) **4507UV3**	UF(Ⅱ) **4508UV3**	UF(Ⅱ) **4510UV3**	UF(Ⅱ) **4511UV3**	UF(Ⅱ) **4513UV3**	-

R D Ø5.0 Hex 2.5 Apex Ø2.0

Length	7	8.5	10	11.5	13	15
						
HSA	UF(II) **5007SF**	UF(II) **5008SF**	UF(II) **5010SF**	UF(II) **5011SF**	UF(II) **5013SF**	UF(II) **5015SF**
UV Active	UF(II) **5007UV3**	UF(II) **5008UV3**	UF(II) **5010UV3**	UF(II) **5011UV3**	UF(II) **5013UV3**	-

R D Ø5.5 Hex 2.5 Apex Ø2.5

Length	7	8.5	10	11.5	13	15
						
HSA	UF(II) **5507SF**	UF(II) **5508SF**	UF(II) **5510SF**	UF(II) **5511SF**	UF(II) **5513SF**	UF(II) **5515SF**
UV Active	UF(II) **5507UV3**	UF(II) **5508UV3**	UF(II) **5510UV3**	UF(II) **5511UV3**	UF(II) **5513UV3**	-

Wide Fixture

- HSA / Packing Unit : Fixture | Order code : UF(Ⅱ) 0000SF (ex : UF(Ⅱ) 6007SF)
  Fixture + Cover Screw | Order code : UF(Ⅱ) 0000S (ex : UF(Ⅱ) 6007S)
  Fixture Mount + Mount Screw + Fixture + Cover Screw | Order code : PUF(Ⅱ) 0000S (ex : PUF(Ⅱ) 6007S)
- UV Active / Packing Unit : Fixture

W D Ø5.9 Hex 2.5 Apex Ø3.6

Unit mm | Scale 1 : 1.2

Length	7	8.5	10	11.5	13	15
						
HSA	UF(II) **6007SF**	UF(II) **6008SF**	UF(II) **6010SF**	UF(II) **6011SF**	UF(II) **6013SF**	UF(II) **6015SF**
UV Active	UF(II) **6007UV3**	UF(II) **6008UV3**	UF(II) **6010UV3**	UF(II) **6011UV3**	UF(II) **6013UV3**	-

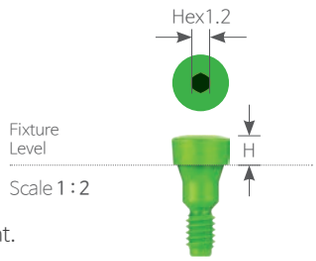
W D Ø6.4 Hex 2.5 Apex Ø3.6

Length	7	8.5	10	11.5	13	15
						
HSA	UF(II) **6507SF**	UF(II) **6508SF**	UF(II) **6510SF**	UF(II) **6511SF**	UF(II) **6513SF**	UF(II) **6515SF**
UV Active	UF(II) **6507UV3**	UF(II) **6508UV3**	UF(II) **6510UV3**	UF(II) **6511UV3**	UF(II) **6513UV3**	-

W D Ø6.9 Hex 2.5 Apex Ø3.6

Length	7	8.5	10	11.5	13	15
						
HSA	UF(II) **7007SF**	UF(II) **7008SF**	UF(II) **7010SF**	UF(II) **7011SF**	UF(II) **7013SF**	UF(II) **7015SF**
UV Active	UF(II) **7007UV3**	UF(II) **7008UV3**	UF(II) **7010UV3**	UF(II) **7011UV3**	UF(II) **7013UV3**	-

Cover Screw



▸Used for narrow area after the Implant surgery or protecting Implant connection area.
▸Dental Implant cover screw is implanted into the top which helps to prevent tissue and bone to grow inside the implant.
· Uses 1.2 Hex Driver
· Method of use
① Screw installation after removing the remaining blood or foreign substance in Implant.
② Connect the screw using 1.2 hex driver and hand-tighten (5~8Ncm)
· Tightening Torque : 5~8Ncm
· Packing Unit : 1 Set (6 Pieces) | Order code : UNSCS 0000S or SSCS 0000s (ex : UNSCS 2700S)

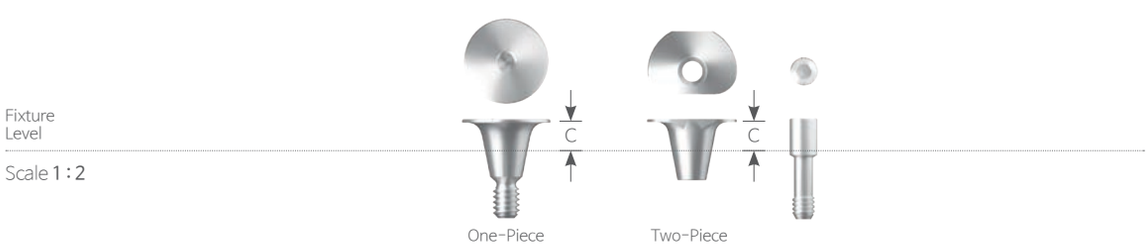
N R W Hex **1.2**

Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide	
			
Height 0	UNSCS **2700**	SSCS **3400**	-
1	UNSCS **2710**	-	SSCS **3410**
2	UNSCS **2720**	-	SSCS **3420**
3	UNSCS **2730**	-	SSCS **3430**

Bone Forming Cover Screw

▸the Bone Forming Cover Screw is then used to cover the bongraft to protect it from your tongue and saliva.
▸Make a buccal incision (instead of a midcrestal incision) for better access to keratini zed mucosa.
· Concave transmucosal profile make enough space for bone graft.
· 2-piece type can be used depending on implant placement and distance from adjacent teeth.



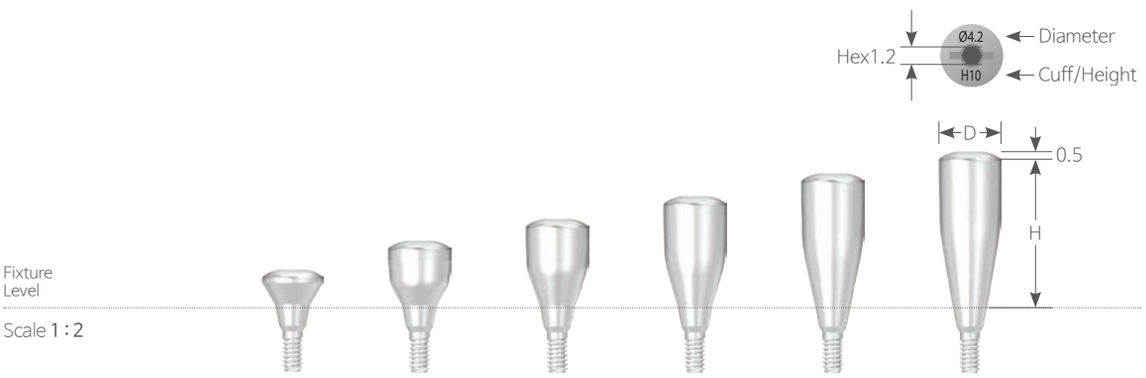
R

Unit mm | Scale 1 : 1.25

Fixture Size	Regular			
Type	One - Piece		Two - Piece	
				
Cuff 1.5	BFC **6565S**	BFC **8080S**	BFC **7060S**	BFC **8055S**
3	BFC **6565L**	BFC **8080L**	BFC **7060L**	BFC **8055L**

Healing Abutment

· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



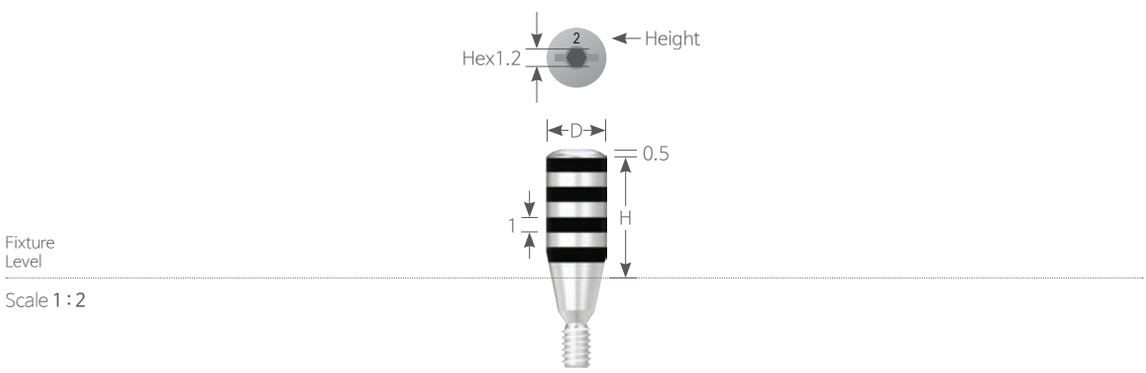
N Hex **1.2**

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow			
	Ø4.1	Ø4.2	Ø4.6	Ø4.7
Height 2	UNSHA **4020**	-	UNSHA **4520**	-
4	-	UNSHA **4024**	-	UNSHA **4524**
5.5	-	UNSHA **4035**	-	UNSHA **4535**
7	-	UNSHA **4047**	-	UNSHA **4547**
8.5	-	UNSHA **4058**	-	UNSHA **4558**
10	-	UNSHA **4060**	-	UNSHA **4560**

Healing Abutment

▸Used for small diameter abutment like Ball abutment
▸Used if the fixture is deeply placed
· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



R W D Ø4.0 Hex **1.2**

Unit mm I Scale 1 : 1.25

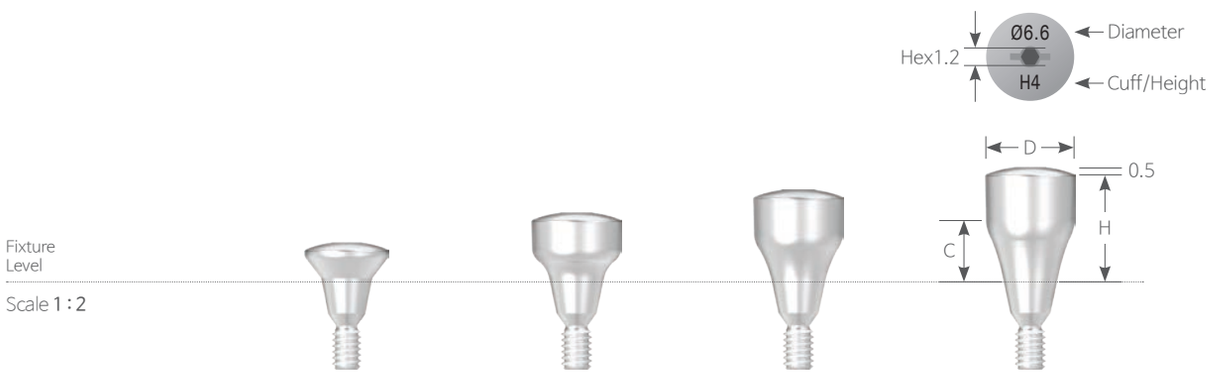
Fixture Size	Regular · Wide			
Heigth	2	4	6	8



SSHA **4020** | SSHA **4040** | SSHA **4060** | SSHA **4080**

Healing Abutment

· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



R **W** Hex **1.2**

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide			
	Ø4.6	Ø5.6	Ø6.6	Ø7.6
Height 2 Cuff 2	SSHA **4520**	SSHA **5520**	SSHA **6520**	SSHA **7520**
Height 4 Cuff 2	SSHA **4524**	SSHA **5524**	SSHA **6524**	SSHA **7524**
Height 5.5 Cuff 3	SSHA **4535**	SSHA **5535**	SSHA **6535**	SSHA **7535**
Height 7 Cuff 4	SSHA **4547**	SSHA **5547**	SSHA **6547**	SSHA **7547**

Healing Abutment

▸Used for making the desired emergence profile.

· Caution

① Connect the screw using 1.2 hex driver and hand-tighten (5~8Ncm)

② Organized by diameter and height, the healing abutments can be selected according to the needs and requirements of a particular clinical case.

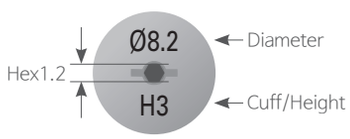
- Gum Extension to secure an emergency profile in the posterior region, or components for minimizing inflammation response due to gingival compression during custom abutment production.

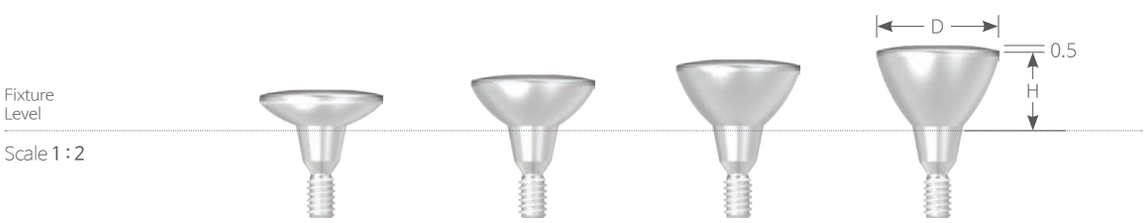
※ When connecting the cover screw and healing abutment, the screw can be separated easily by applying antibiotics functioning as lubricant. (Antibiotics: Minocline, Periocline, etc.)

· Uses 1.2 Hex Driver

· Uses 0.5 Slot Driver

· Tightening Torque : 5~8Ncm





Scale 1 : 2

R W Hex **1.2**

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide	
		
Height 2	SSHA **8212**	SSHA **9212**
3	SSHA **8223**	SSHA **9223**
4	SSHA **8234**	SSHA **9234**
5	SSHA **8245**	SSHA **9245**

Cement / Screw - Retained Restorations

Temporary / Cemented / Angled / UCLA Abutment

Fixture - N R W



Abutment Screw



Temporary Abutment
026P

Cemented Abutment
027P

Angled Abutment
030P

UCLA CCM Abutment
031P



Fixture Analog
026P



Pick-up Impression Coping
024P

Transfer Impression Coping
025P



UF(II) Narrow
013P

UF(II) Regular
014P

UF(II) Wide
016P

Cover Screw
017P

Healing Abutment
018P

Cement / Screw - Retained Restorations

Mill / UCLA Abutment

Fixture - R W



Abutment Screw



Mill Abutment
029P

UCLA Plastic Abutment
031P



Fixture Analog
026P



Pick-up Impression Coping
024P



Transfer Impression Coping
025P



UF(II) Regular
014P



UF(II) Wide
016P



Cover Screw
017P



Healing Abutment
018P

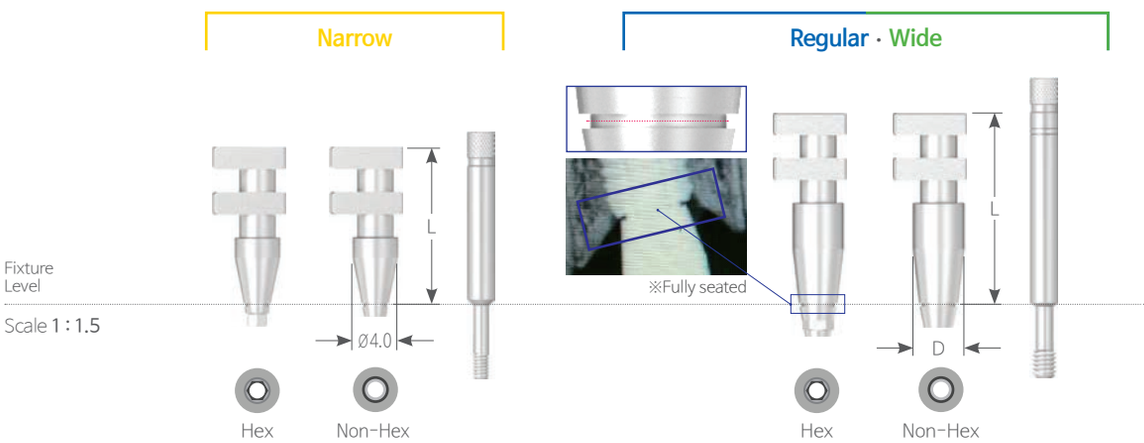
Abutment Components

Pick-up Impression Coping Hex Non-Hex

▸Custom tray is used for pick-up type of impression taking.

· Uses 1.2 Hex Driver

· Packing Unit : Pick-up Impression Coping + Guide Pin



N R W Hex

Unit mm

Fixture Size	Narrow		Regular · Wide				
Diameter	Ø4.0	Guide Pin	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Guide Pin
Length 09	-	-	SSPI **4009H**	SSPI **4509H**	SSPI **5509H**	SSPI **6509H**	SSG **2021**
12	UNSPI **4012H**	UNSSG **1422**	-	-	-	-	-
13	-	-	SSPI **4013H**	SSPI **4513H**	SSPI **5513H**	SSPI **6513H**	SSG **2026**
14	UNSPI **4014H**	UNSSG **1422**	-	-	-	-	-
16	UNSPI **4016H**	UNSSG **1425**	-	-	-	-	-
17	-	-	SSPI **4017H**	SSPI **4517H**	SSPI **5517H**	SSPI **6517H**	SSG **2329**
19	-	-	SSPI **4019H**	SSPI **4519H**	SSPI **5519H**	SSPI **6519H**	SSG **2329**

N R W Non-Hex

Unit mm

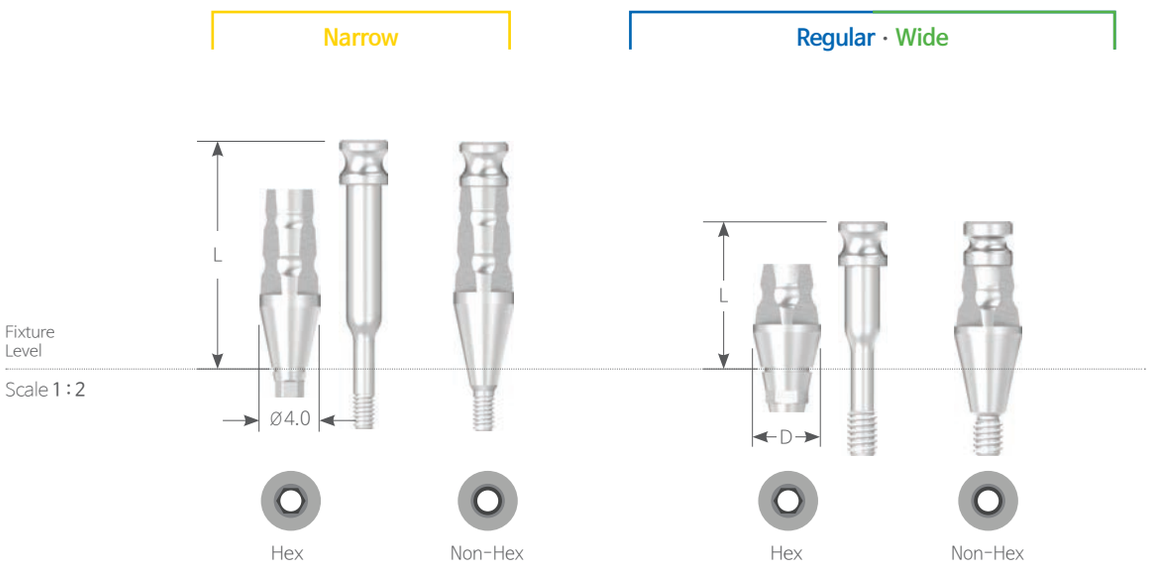
Fixture Size	Narrow		Regular · Wide				
Diameter	Ø4.0	Guide Pin	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Guide Pin
Length 09	-	-	SSPI **4009N**	SSPI **4509N**	SSPI **5509N**	SSPI **6509N**	SSG **2021**
12	UNSPI **4012N**	UNSSG **1422**	-	-	-	-	-
13	-	-	SSPI **4013N**	SSPI **4513N**	SSPI **5513N**	SSPI **6513N**	SSG **2026**
14	UNSPI **4014N**	UNSSG **1422**	-	-	-	-	-
16	UNSPI **4016N**	UNSSG **1425**	-	-	-	-	-
17	-	-	SSPI **4017N**	SSPI **4517N**	SSPI **5517N**	SSPI **6517N**	SSG **2329**
19	-	-	SSPI **4019N**	SSPI **4519N**	SSPI **5519N**	SSPI **6519N**	SSG **2329**

Abutment Components

Transfer Impression Coping Hex Non-Hex

▶Ready-made tray is used for transfer type of impression taking.

· Triple sided structure increases quality.
· Uses 1.2 Hex Driver
· Hex type is two-piece structure and Non-Hex type is one-piece structure.
· Packing Unit : Transfer Impression Coping + Coping Screw (Hex)
Transfer Impression Coping (Non-Hex)



N R W Hex

Unit mm

Fixture Size	Narrow		Regular · Wide					
Diameter	Ø4.0	Screw	Ø4.0	Ø4.5	Ø5.5	Screw	Ø6.5	Screw
Length 10	-	-	SSTI **4010H**	SSTI **4510H**	SSTI **5510H**	SSTI **4015S**	SSTI **6510H**	SSTI **6515S**
13	UNSTI **4013H**	UNSTI **4013S**	-	-	-	-	-	-
15	UNSTI **4015H**	UNSTI **4015S**	SSTI **4015H**	SSTI **4515H**	SSTI **5515H**	SSTI **4020S**	SSTI **6515H**	SSTI **6520S**
17	UNSTI **4017H**	UNSTI **4017S**	-	-	-	-	-	-

N R W Non-Hex

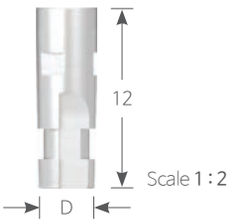
Unit mm

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.0	Ø4.5	Ø5.5	Ø6.5
Length 10	-	SSTI **4010N**	SSTI **4510N**	SSTI **5510N**	SSTI **6510N**
13	UNSTI **4013N**	-	-	-	-
15	UNSTI **4015N**	SSTI **4015N**	SSTI **4515N**	SSTI **5515N**	SSTI **6515N**
17	UNSTI **4017N**	-	-	-	-

Abutment Components

Fixture Analog

▸Replicates implant for the fabrication of prosthetics on the working model.



N R W Length **12**

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide
Diameter	Ø3.0	Ø4.0



UNSFA **3012**

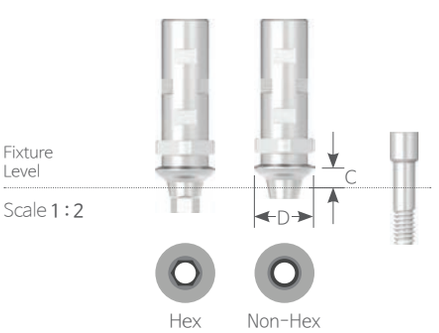


SSFA **4012**

Temporary Abutment Hex Non-Hex

▸Used when temporary prosthesis is made

· Hex / Non-Hex Type
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw
· Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow		Regular · Wide	
Diameter	Ø4.0		Ø4.5	
Type	Hex	Non-Hex	Hex	Non-Hex






Cuff 1	UNSTA **4010H**	UNSTA **4010N**	SSTA **4510H**	SSTA **4510N**
3	UNSTA **4030H**	UNSTA **4030N**	SSTA **4530H**	SSTA **4530N**
Abut. Screw	UNSAS **1407H**	UNSAS **1407H**	SSC **2008H**	SSC **2008H**

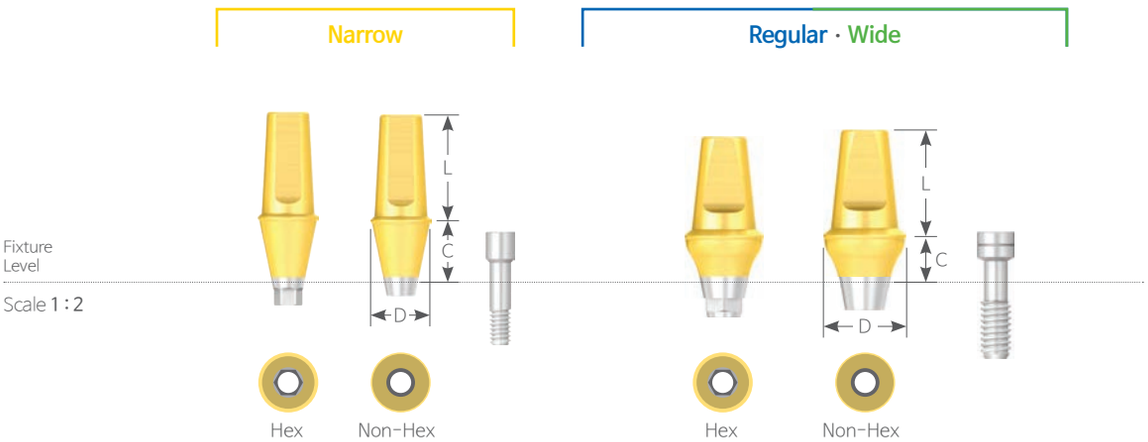
Cemented Abutment Hex Non-Hex

▸For cement retained prosthesis
· Gold colored gingival area for esthetic purpose
· Uses 1.2 Hex Driver
· Compatible with Solid Abutment Impression Cap
· Packing Unit : Abutment + Abutment Screw
· Tightening Torque : N 20Ncm, R W 30~35Ncm

N R W Hex

Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
					
Length **4**					
Cuff 1	-	SSCA **45104H(II)**	SSCA **55104H(II)**	SSCA **65104H(II)**	SSCA **75104H(II)**
2	-	SSCA **45204H(II)**	SSCA **55204H(II)**	SSCA **65204H(II)**	SSCA **75204H(II)**
3	-	SSCA **45304H(II)**	SSCA **55304H(II)**	SSCA **65304H(II)**	SSCA **75304H(II)**
4	-	SSCA **45404H(II)**	SSCA **55404H(II)**	SSCA **65404H(II)**	SSCA **75404H(II)**
5	-	SSCA **45504H(II)**	SSCA **55504H(II)**	SSCA **65504H(II)**	SSCA **75504H(II)**
Screw	-	SSC **2008SH**	SSC **2008H**	SSC **2008H**	SSC **2008H**
Length **5.5**					
Cuff 1	UNSCA **40105H**	SSCA **45105H(II)**	SSCA **55105H(II)**	SSCA **65105H(II)**	SSCA **75105H(II)**
2	UNSCA **40205H**	SSCA **45205H(II)**	SSCA **55205H(II)**	SSCA **65205H(II)**	SSCA **75205H(II)**
3	UNSCA **40305H**	SSCA **45305H(II)**	SSCA **55305H(II)**	SSCA **65305H(II)**	SSCA **75305H(II)**
4	UNSCA **40405H**	SSCA **45405H(II)**	SSCA **55405H(II)**	SSCA **65405H(II)**	SSCA **75405H(II)**
5	UNSCA **40505H**	SSCA **45505H(II)**	SSCA **55505H(II)**	SSCA **65505H(II)**	SSCA **75505H(II)**
6	UNSCA **40605H**	-	-	-	-
7	UNSCA **40705H**	-	-	-	-
Screw	UNSAS **1407H**	SSC **2008SH**	SSC **2008H**	SSC **2008H**	SSC **2008H**
Length **7**					
Cuff 1	UNSCA **40107H**	SSCA **45107H(II)**	SSCA **55107H(II)**	SSCA **65107H(II)**	SSCA **75107H(II)**
2	UNSCA **40207H**	SSCA **45207H(II)**	SSCA **55207H(II)**	SSCA **65207H(II)**	SSCA **75207H(II)**
3	UNSCA **40307H**	SSCA **45307H(II)**	SSCA **55307H(II)**	SSCA **65307H(II)**	SSCA **75307H(II)**
4	UNSCA **40407H**	SSCA **45407H(II)**	SSCA **55407H(II)**	SSCA **65407H(II)**	SSCA **75407H(II)**
5	UNSCA **40507H**	SSCA **45507H(II)**	SSCA **55507H(II)**	SSCA **65507H(II)**	SSCA **75507H(II)**
6	UNSCA **40607H**	-	-	-	-
7	UNSCA **40707H**	-	-	-	-
Screw	UNSAS **1407H**	SSC **2008SH**	SSC **2008H**	SSC **2008H**	SSC **2008H**



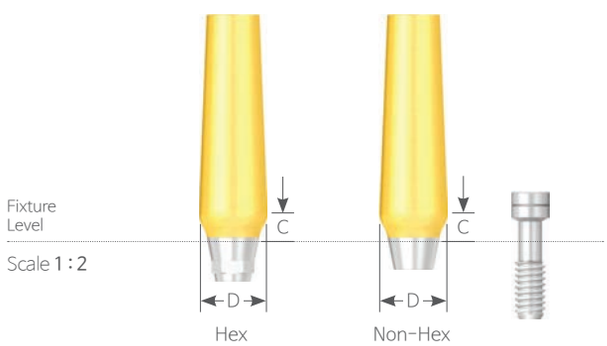
N R W Non-Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
					
Length 4					
Cuff 1	-	SSCA **45104N (II)**	SSCA **55104N (II)**	SSCA **65104N (II)**	SSCA **75104N (II)**
2	-	SSCA **45204N (II)**	SSCA **55204N (II)**	SSCA **65204N (II)**	SSCA **75204N (II)**
3	-	SSCA **45304N (II)**	SSCA **55304N (II)**	SSCA **65304N (II)**	SSCA **75304N (II)**
4	-	SSCA **45404N (II)**	SSCA **55404N (II)**	SSCA **65404N (II)**	SSCA **75404N (II)**
5	-	SSCA **45504N (II)**	SSCA **55504N (II)**	SSCA **65504N (II)**	SSCA **75504N (II)**
Screw	-	SSC **2008SH**	SSC **2008H**	SSC **2008H**	SSC **2008H**
Length 5.5					
Cuff 1	UNSCA **40105N**	SSCA **45105N (II)**	SSCA **55105N (II)**	SSCA **65105N (II)**	SSCA **75105N (II)**
2	UNSCA **40205N**	SSCA **45205N (II)**	SSCA **55205N (II)**	SSCA **65205N (II)**	SSCA **75205N (II)**
3	UNSCA **40305N**	SSCA **45305N (II)**	SSCA **55305N (II)**	SSCA **65305N (II)**	SSCA **75305N (II)**
4	UNSCA **40405N**	SSCA **45405N (II)**	SSCA **55405N (II)**	SSCA **65405N (II)**	SSCA **75405N (II)**
5	UNSCA **40505N**	SSCA **45505N (II)**	SSCA **55505N (II)**	SSCA **65505N (II)**	SSCA **75505N (II)**
6	UNSCA **40605N**	-	-	-	-
7	UNSCA **40705N**	-	-	-	-
Screw	UNSAS **1407H**	SSC **2008SH**	SSC **2008H**	SSC **2008H**	SSC **2008H**
Length 7					
Cuff 1	UNSCA **40107N**	SSCA **45107N (II)**	SSCA **55107N (II)**	SSCA **65107N (II)**	SSCA **75107N (II)**
2	UNSCA **40207N**	SSCA **45207N (II)**	SSCA **55207N (II)**	SSCA **65207N (II)**	SSCA **75207N (II)**
3	UNSCA **40307N**	SSCA **45307N (II)**	SSCA **55307N (II)**	SSCA **65307N (II)**	SSCA **75307N (II)**
4	UNSCA **40407N**	SSCA **45407N (II)**	SSCA **55407N (II)**	SSCA **65407N (II)**	SSCA **75407N (II)**
5	UNSCA **40507N**	SSCA **45507N (II)**	SSCA **55507N (II)**	SSCA **65507N (II)**	SSCA **75507N (II)**
6	UNSCA **40607N**	-	-	-	-
7	UNSCA **40707N**	-	-	-	-
Screw	UNSAS **1407H**	SSC **2008SH**	SSC **2008H**	SSC **2008H**	SSC **2008H**

Mill Abutment Hex Non-Hex

▸Used when high customization in abutment path and prosthetic margins are needed.
· Abutment of cement retained type that uses dental cement to fix prosthesis in place
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (SSC 2008H)
· Tightening Torque : 30~35Ncm



R W Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Regular · Wide				
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Cuff	1.5	2	2.5	3	3



SSMA **4015H** SSMA **4520H** SSMA **5525H** SSMA **6530H** SSMA **7530H**

R W Non-Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Regular · Wide				
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Cuff	1.5	2	2.5	3	3

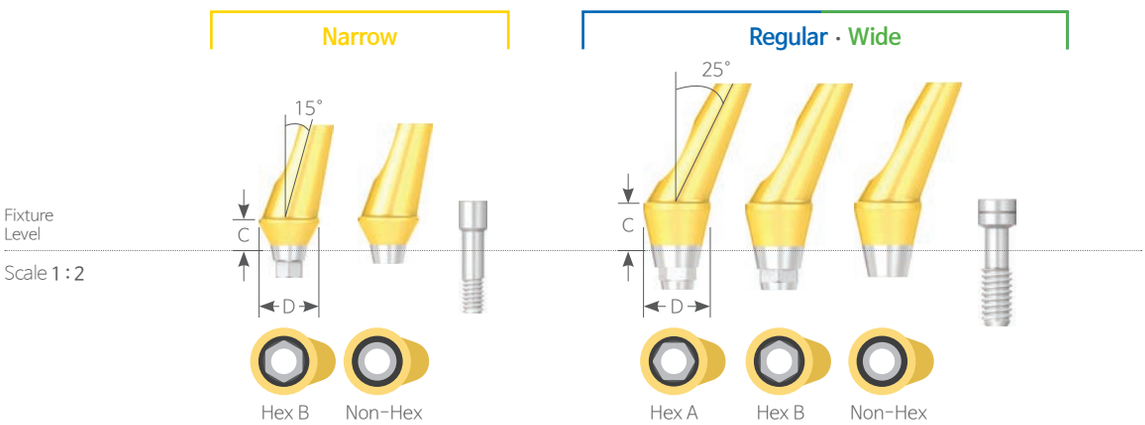


SSMA **4015N** SSMA **4520N** SSMA **5525N** SSMA **6530N** SSMA **7530N**

Angled Abutment Hex Non-Hex

▸Used to modify the fixture's path mainly used for anterior region.

· Depending on the angle slope, it is categorized into 15° and 25° Angled Abutment
· Availability of A type and B type of hex part overcomes the limitation of direction of the abutment
· Gold colored gingival area for esthetic purpose
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (N UNSAS 1407H, R W SSC 2008H)
· Tightening Torque : N 20Ncm, R W 30~35Ncm



R W Hex A

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5		Ø5.5	
Angle	15°	15°	25°	15°	25°
Cuff 1.5	-	SSAA **451515AH**	SSAA **451525AH**	SSAA **551515AH**	SSAA **551525AH**
2.0	UNSAA **402015AH**	SSAA **452015AH**	SSAA **452025AH**	SSAA **552015AH**	SSAA **552025AH**
3.0	-	SSAA **453015AH**	SSAA **453025AH**	SSAA **553015AH**	SSAA **553025AH**
4.0	UNSAA **404015AH**	SSAA **454015AH**	SSAA **454025AH**	SSAA **554015AH**	SSAA **554025AH**
5.0	-	SSAA **455015AH**	SSAA **455025AH**	SSAA **555015AH**	SSAA **555025AH**

N R W Hex B

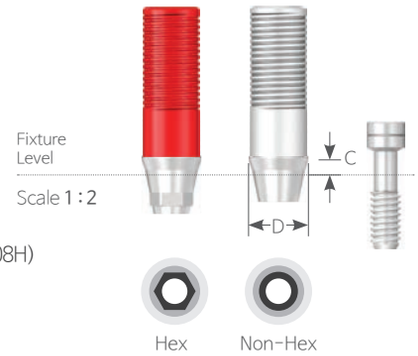
Fixture Size	Narrow	Regular · Wide			
Cuff 1.5	-	SSAA **451515BH**	SSAA **451525BH**	SSAA **551515BH**	SSAA **551525BH**
2.0	UNSAA **402015BH**	SSAA **452015BH**	SSAA **452025BH**	SSAA **552015BH**	SSAA **552025BH**
3.0	-	SSAA **453015BH**	SSAA **453025BH**	SSAA **553015BH**	SSAA **553025BH**
4.0	UNSAA **404015BH**	SSAA **454015BH**	SSAA **454025BH**	SSAA **554015BH**	SSAA **554025BH**
5.0	-	SSAA **455015BH**	SSAA **455025BH**	SSAA **555015BH**	SSAA **555025BH**

N R W Non-Hex

Fixture Size	Narrow	Regular · Wide			
Cuff 1.5	-	SSAA **451515N**	SSAA **451525N**	SSAA **551515N**	SSAA **551525N**
2.0	UNSAA **402015N**	SSAA **452015N**	SSAA **452025N**	SSAA **552015N**	SSAA **552025N**
3.0	-	SSAA **453015N**	SSAA **453025N**	SSAA **553015N**	SSAA **553025N**
4.0	UNSAA **404015N**	SSAA **454015N**	SSAA **454025N**	SSAA **554015N**	SSAA **554025N**
5.0	-	SSAA **455015N**	SSAA **455025N**	SSAA **555015N**	SSAA **555025N**

UCLA Abutment

UCLA CCM Abutment Hex Non-Hex



- After the customization, **non-precious metal alloy will be casted only**.
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (N UNSAS 1407H, R W SSC 2008H)
- Tightening Torque : 30~35Ncm

N R W

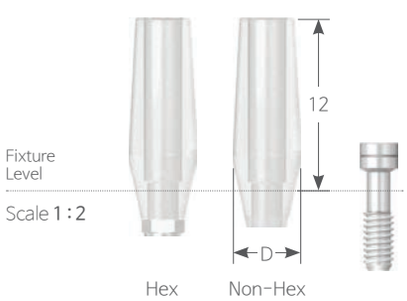
Unit mm I Scale 1 : 1.25

Fixture Size	Narrow		Regular · Wide			
Diameter	Ø4.0	Ø4.0	Ø4.0	Ø4.0	Ø4.5	Ø4.5
Hex	Hex	Non-Hex	Hex	Non-Hex	Hex	Non-Hex



Cuff 1	UNSCCA **4010H**	UNSCCA **4010N**	CCSS **4010H [H]**	CCSS **4010N [H]**	CCSS **4510H [H]**	CCSS **4510N [H]**
3	UNSCCA **4030H**	UNSCCA **4030N**	-	-	CCSS **4530H [H]**	CCSS **4530N [H]**

UCLA Plastic Abutment Hex Non-Hex



- After the customization, **non-precious metal alloy will be casted only**.
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw(Hex) (SSC2008H)
- Tightening Torque : Tightening smoothly before casting, 30~35Ncm after casting

R W Length 12

Unit mm I Scale 1 : 1.25

Fixture Size	Regular · Wide			
Diameter	Ø4.5	Ø4.5	Ø5.5	Ø5.5
Type	Hex	Non-Hex	Hex	Non-Hex



SSPA **4512H** | SSPA **4512N** | SSPA **5512H** | SSPA **5512N**

Cement - Retained Restorations

Solid Abutment

Fixture - N R W



Plastic Coping

035P



Solid Abutment Analog

035P



Impression Cap

034P



Solid Abutment

033P



Protect Cap

034P



UF(II) Narrow

013P



UF(II) Regular

014P



UF(II) Wide

016P



Cover Screw

017P



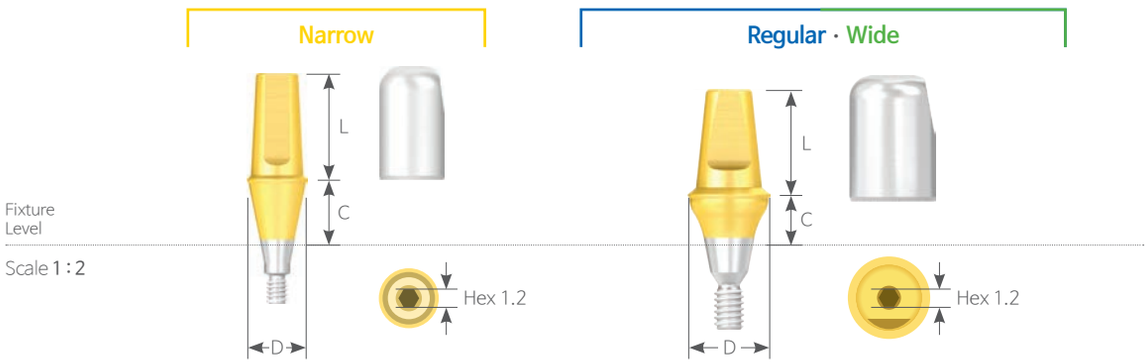
Healing Abutment

018P

Solid Abutment

▸Abutment of cement retained type that uses dental cement to fix prosthesis in place

· Abutment and screw are in one-piece structure.
· Taking impression at abutment level.
· Gold colored gingival area for esthetic purpose
· Uses1.2 Hex Driver / Solid Abutment Driver
· Packing Unit : Abutment + Protect Cap
· Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
					
Length 4 Cuff 1	-	SSSA **45104**	SSSA **55104**	SSSA **65104**	SSSA **75104**
2	-	SSSA **45204**	SSSA **55204**	SSSA **65204**	SSSA **75204**
3	-	SSSA **45304**	SSSA **55304**	SSSA **65304**	SSSA **75304**
4	-	SSSA **45404**	SSSA **55404**	SSSA **65404**	SSSA **75404**
5	-	SSSA **45504**	SSSA **55504**	SSSA **65504**	SSSA **75504**
Length 5.5 Cuff 1	UNSSA **40105**	SSSA **45105**	SSSA **55105**	SSSA **65105**	SSSA **75105**
2	UNSSA **40205**	SSSA **45205**	SSSA **55205**	SSSA **65205**	SSSA **75205**
3	UNSSA **40305**	SSSA **45305**	SSSA **55305**	SSSA **65305**	SSSA **75305**
4	UNSSA **40405**	SSSA **45405**	SSSA **55405**	SSSA **65405**	SSSA **75405**
5	UNSSA **40505**	SSSA **45505**	SSSA **55505**	SSSA **65505**	SSSA **75505**
6	UNSSA **40605**	-	-	-	-
7	UNSSA **40705**	-	-	-	-
Length 7 Cuff 1	UNSSA **40107**	SSSA **45107**	SSSA **55107**	SSSA **65107**	SSSA **75107**
2	UNSSA **40207**	SSSA **45207**	SSSA **55207**	SSSA **65207**	SSSA **75207**
3	UNSSA **40307**	SSSA **45307**	SSSA **55307**	SSSA **65307**	SSSA **75307**
4	UNSSA **40407**	SSSA **45407**	SSSA **55407**	SSSA **65407**	SSSA **75407**
5	UNSSA **40507**	SSSA **45507**	SSSA **55507**	SSSA **65507**	SSSA **75507**
6	UNSSA **40607**	-	-	-	-
7	UNSSA **40707**	-	-	-	-

Solid Abutment Components

Protect Cap

▸Used to protect abutment in the patient's mouth and minimize discomfort for the patient.

· Can be applied to substructure of temporary prosthesis.

· Convenient locking mechanism.

Narrow | Regular · Wide





N R W Unit mm I Scale 1 : 2

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Abut. Length 4	–	SSAC **4504**	SSAC **5504**	SSAC **6504**	SSAC **7504**
5.5	UNSAC **4005**	SSAC **4505**	SSAC **5505**	SSAC **6505**	SSAC **7505**
7	UNSAC **4007**	SSAC **4507**	SSAC **5507**	SSAC **6507**	SSAC **7507**

Impression Cap

▸Used for taking impression of Solid Abutment.

· Different coloring provides easy identification for abutment diameter.

· Convenient locking mechanism.



Scale 1 : 2

N R W Length **11** Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5



UNSAI **4011**



SSAI **4511**



SSAI **5511**



SSAI **6511**



SSAI **7511**

Solid Abutment Analog

· Solid Abutment is formed on working model.
· Different coloring provides easy identification for abutment diameter.



Scale 1 : 2

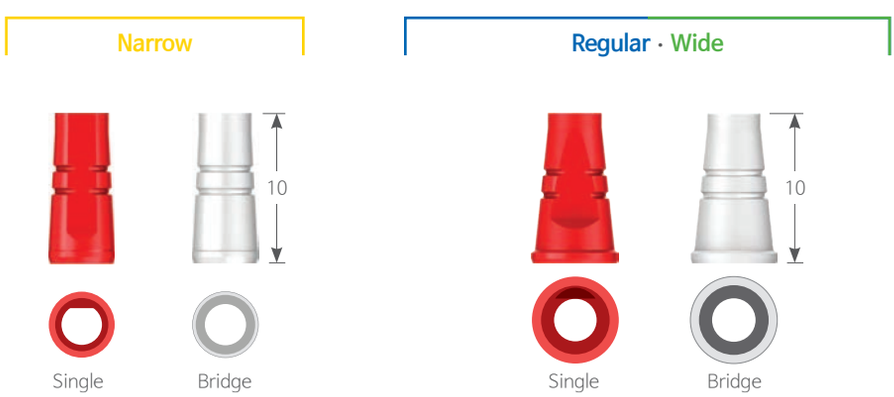
N R W

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
					
Abut. Length 4	–	SSAA **4504**	SSAA **5504**	SSAA **6504**	SSAA **7504**
5.5	UNSSAA **4005**	SSAA **4505**	SSAA **5505**	SSAA **6505**	SSAA **7505**
7	UNSSAA **4007**	SSAA **4507**	SSAA **5507**	SSAA **6507**	SSAA **7507**

Plastic Coping

▸Can be used as prosthesis' frame work by installing Solid Abutment Analog.
· Different coloring provides easy identification on types of case.



N R W Length **10**

Unit mm I Scale 1 : 2

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
● Single	UNSAP **4010S**	SSAP **4510S**	SSAP **5510S**	SSAP **6510S**	SSAP **7510S**
○ Bridge	UNSAP **4010B**	SSAP **4510B**	SSAP **5510B**	SSAP **6510B**	SSAP **7510B**

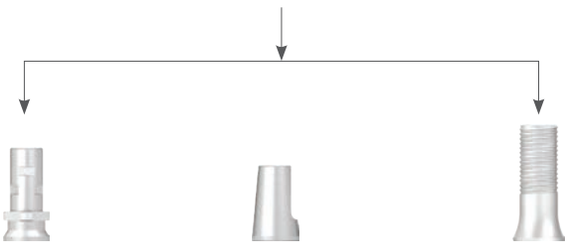
Cement / Screw - Retained Restorations

Octa Abutment

Fixture - R W



Cylinder Screw



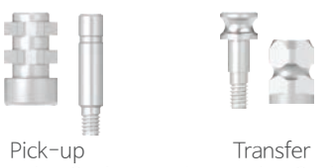
Temporary Cylinder
039P

Cemented Cylinder
039P

Plastic Cylinder
040P



Octa Abutment Analog
038P



Pick-up
Impression Coping
038P

Transfer
Impression Coping
038P



Octa Abutment
037P

Healing Cap
037P



UF(II) Regular
014P



UF(II) Wide
016P



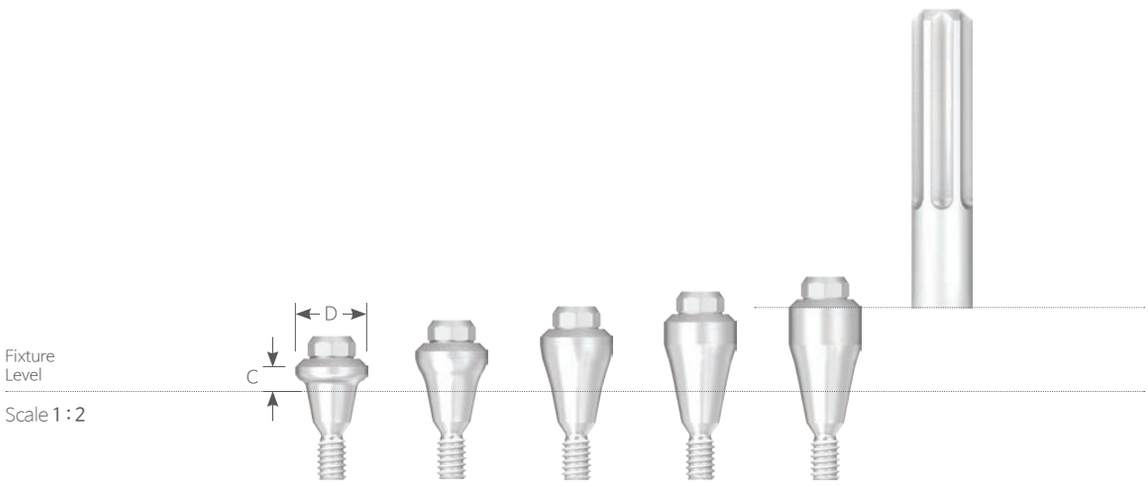
Cover Screw
017P



Healing Abutment
018P

Octa Abutment

▸Used to create screw retained prosthesis on poor path bridge case.
· Convert internal connection to external connection, and then use cylinder on it for prosthesis.
· Uses Octa Abutment Driver (HD 3006A-Short / HD 3012A-Long)
· Packing Unit : Octa Abutment + Abutment Holder (SSOAH 4020) (Convenient to install in patient's Mouth)
· Tightening Torque : 30~35Ncm



R W

Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Diameter	Ø4.8	Ø6.0	Ø6.5
Cuff 1.5	SSOA **4815**	SSOA **6015**	SSOA **6515**
2.5	SSOA **4825**	SSOA **6025**	SSOA **6525**
3.5	SSOA **4835**	SSOA **6035**	SSOA **6535**
4.5	SSOA **4845**	SSOA **6045**	SSOA **6545**
5.5	SSOA **4855**	SSOA **6055**	SSOA **6555**

Healing Cap

▸To protect Octa Abutment in oral, and minimize the discomfort for patient.
· Uses 1.2 Hex Driver
· Packing Unit : Healing Cap + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



R W

Unit mm I Scale 1 : 2

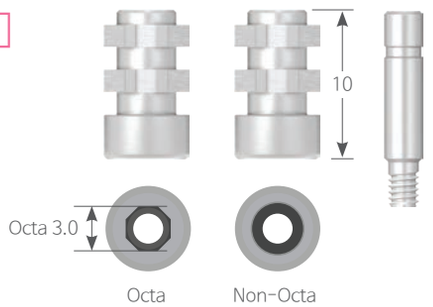
Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
	HCI **48504**	HCI **60704**	HCI **65704**

Octa Abutment Components

Pick-up Impression Coping Octa Non-Octa

▸Custom tray is used for pick-up type of impression taking.

· Asymmetry structure to minimize close interruption
· Uses 1.2 Hex Driver
· Packing Unit : Pick-up Impression Coping + Guide Pin (POI 2610)



R W Length **10**

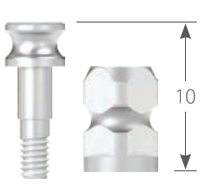
Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa	IPI **48610**	IPI **60710**	IPI **65710**
Non-Octa	IPI **48610N**	IPI **60710N**	IPI **65710N**

Transfer Impression Coping

▸Ready-made tray is used for transfer type of impression taking.

· Double sided structure which elevates the quality
· Uses 1.2 Hex Driver
· Packing Unit : Transfer Impression Coping + Coping Screw (IOTI 48010S)



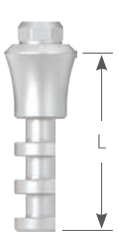
R W Length **10**

Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
	IOTI **48010**	IOTI **60010**	IOTI **65010**

Octa Abutment Analog

▸Octa Abutment is formed on working model.



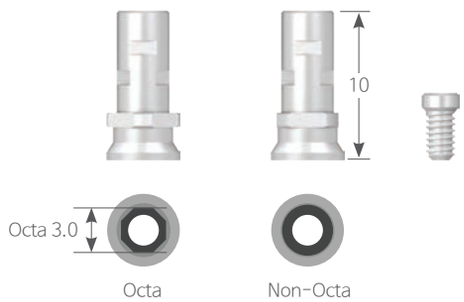
R W

Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Length 10	-	RCI **60014**	-
12	RCI **48014**	-	RCI **65014**

Temporary Cylinder Octa Non-Octa

· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



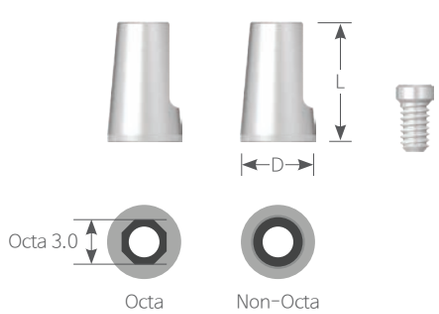
R W Length **10**

Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa	ITC **48010**	ITC **60010**	ITC **65010**
Non-Octa	ITC **48010N**	ITC **60010N**	ITC **65010N**

Cemented Cylinder Octa Non-Octa

· Uses 1.2 Hex Driver
· Packing Unit : Cemented Cylinder + Cylinder Screw (Hex) (STI 2004H)
· Tightening Torque : 20Ncm



R W

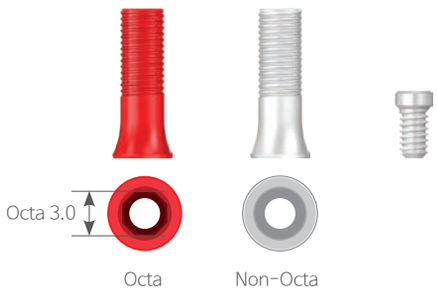
Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide			
Abut. Diameter	Ø4.8	Ø4.8	Ø6.0	Ø6.5
Cylinder Diameter	Ø5.0	Ø5.8	Ø6.4	Ø6.9
Length	8	8	9	9
Octa	ICC **48508**	ICC **48588**	ICC **60649**	ICC **65309**
Non-Octa	ICC **48508N**	ICC **48588N**	ICC **60649N**	ICC **65309N**

Octa Abutment Components

Plastic Cylinder Octa Non-Octa

· After the customization, **non-precious metal alloy will be casted only**.
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



R W

Unit mm | Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa ●	API **48514**	API **60714**	API **65714**
Non-Octa ○	API **48514N**	API **60714N**	API **65714N**

Overdenture Restorations

Ball Abutment : O-Ring

Fixture - R W



O-Ring
042P

Retainer
042P



Ball Cap
042P



Ball Abutment Analog
042P



Ball Abutment
041P



UF(II) Regular
012P



UF(II) Wide
014P



Cover Screw
015P



Healing Abutment
016P

Overdenture Restorations

Ball Abutment : OT Cap / Locator

Fixture - N R W



Stainless Steel Housing

043P



OT Cap

043P



Ball Abutment Analog

042P



Ball Abutment

041P



Denture Cap

045P



Male

044P



Locator

044P



UF(II) Narrow

011P



UF(II) Regular

012P



UF(II) Wide

014P



Cover Screw

015P



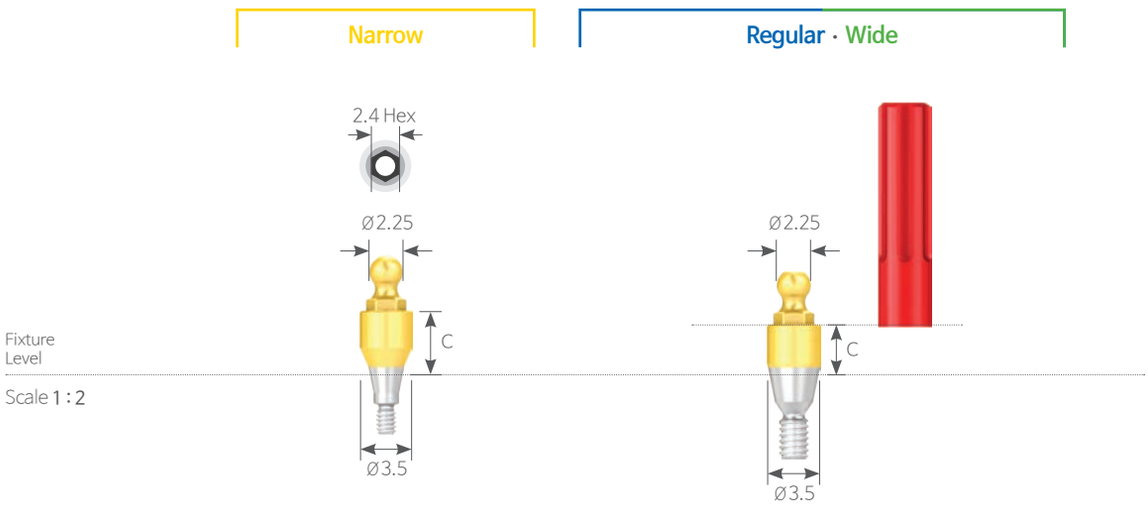
Healing Abutment

016P

Ball Abutment

▸Used to create overdenture for edentulous patient.

· Post partis coloring in gold
· Path recovery to the maximum of 20°
· Uses Ball Abutment Driver (HD 2406A, HD 2412A)
· Packing Unit : Ball Abutment + Abutment Holder (BAH 3520 | Abutment Holder is convenient to install in patient's mouth)
+ O-Ring (OR 0450O)
· Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W

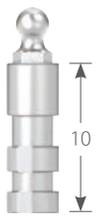
Unit mm

Fixture Size	Narrow	Regular · Wide
Diameter	Ø3.5	Ø3.5
Cuff 1	UNSBA **3510**	SSBA **3510**
2	UNSBA **3520**	SSBA **3520**
3	UNSBA **3530**	SSBA **3530**
4	UNSBA **3540**	SSBA **3540**
5	UNSBA **3550**	SSBA **3550**
6	UNSBA **3560**	SSBA **3560**
7	UNSBA **3570**	-

Ball Abutment Components

Ball Abutment Analog

▸Provides anchor point for ball abutment on working model.



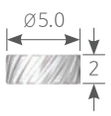
N R W Length **10**

Unit mm I Scale 1 : 2

Fixture Size	Narrow	Regular · Wide
Abut. Diameter	Ø3.5	Ø3.5
	UNSBAA **3510**	SABA **3510**

Retainer

· Advantageous when occlusal distance is low compare to Ball Cap.
· Packing Unit : Retainer + O-Ring (OR 0450B + OR 0450O)





N R W **D Ø5.0** Length **2**

Unit mm I Scale 1 : 2

Fixture Size	Narrow · Regular · Wide
	RT **0502**

Ball Cap

· Outstanding consistency and clip-on
· Packing Unit : Ball Cap + O-Ring (OR 0450B + OR 0450O)





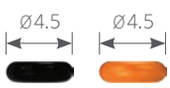
N R W **D Ø5.0** Length **4**

Unit mm I Scale 1 : 2

Fixture Size	Narrow · Regular · Wide
	BC **5004**

O-Ring

· Black : For dental lab use
· Orange : For clinic use (over 6Ncm)
· Packing Unit : O-Ring 1 Piece



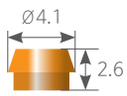
N R W **D Ø4.5**

Unit mm I Scale 1 : 2

Fixture Size	Narrow · Regular · Wide	
	OR **0450B**	OR **0450O**
Color	● Black	● Orange

OT Cap Orange

· Excellent retention is obtained with
broader contact area compared to o-ring.
· Packing Unit : 6 Piece
· Caution) There is no separate cap for dental lab.
Replace the cap after making the denture.



N R W **D Ø4.1** Length **2.6**

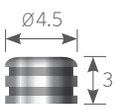
Unit mm I Scale 1 : 2

Fixture Size	Narrow · Regular · Wide

049PCNDR8

Stainless Steel Housing

· The new stainless steel housing decrease the size that
can provide better stability and retention with resin.
· Packing Unit : 2 Pieces



N R W **D Ø4.5** Length **3**

Unit mm I Scale 1 : 2

Fixture Size	Narrow · Regular · Wide

041CAN

Insertion Tool For Caps

▸Used for insertion the cap in the stainless housing.
· Possible to use both tip in a normal and micro situation.
· Packing Unit : Handle + Tip



N R W

Fixture Size	Narrow · Regular · Wide

085IAC

Remover Tool For Caps

▸Used for removing the cap from the stainless housing
· Possible to use in both normal and micro situation with one tool.



N R W

Fixture Size	Narrow · Regular · Wide

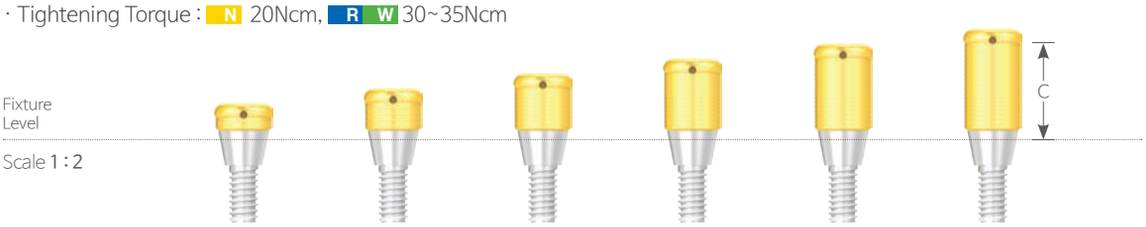
091EC

Locator

· Upgraded from the conventional method used (O-Ring System, Bar Type System, etc.)
by connecting a locator abutment to the fixture
and used by connecting to / separating from male part connected to the denture

Locator Abutment

· Uses Locator Driver
· Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W

Unit mm

Fixture Size	Narrow	Regular · Wide
Cuff 1	02961	02967
2	02962	02968
3	02963	02969
4	02964	02970
5	02965	02971
6	02966	02972

Locator Components

Replacement Male

· Path recovery to the maximum of 20°
· Packing Unit : 1ea

N R W

Retention	1.5 LBS	3 LBS	5 LBS
	LOC **8529**	LOC **8527**	LOC **8524**
Intensity	Weak	Intermediate	Strong

Extended Replacement Male

· Path recovery to the maximum of 20°~40°
· Packing Unit : 1ea

N R W

Retention	0 LBS	1 LBS	2 LBS	4 LBS
	LOC **8558**	LOC **8548**	LOC **8915**	LOC **8547**
Intensity	Weak	Intermediate	Intermediate	Strong

Male Package

· Packing unit : 2set
Denture cap(LOC 8510) +
Black Processing Male(LOC 8515) +
Replacement Male(White, Pink, Blue) +
Block-Out Spacer(LOC 8514)
· Choose the Male of proper retention depends on the case
· Replace the Male using by Locator Core Tool



N R W

Type	2 Set

08519-2

Denture cap

· Packing Unit : 1ea



N R W

Fixture Size	Narrow · Regular · Wide

LOC 8510

Black Processing Male

· Use during process of prosthesis fabrication.
· Packing Unit : 1ea

N R W

Fixture Size	Narrow · Regular · Wide

LOC 8515

Block-Out Spacer

· Use for sealing the space between Abutment and Denture cap.
· Packing Unit : 1ea

N R W

Fixture Size	Narrow · Regular · Wide

LOC 8514

Locator

Locator Core Tool



· Used to connect and separate Replacement Male from Denture cap
· Divided into three pieces and can be used for Locator Abutment and hand drive.

N R W

Code	LOC **8393**

Locator Square Drive Torque Wrench Driver

· Torque Driver for Locator Abutment

N R W

Unit **mm** I Scale **1 : 1**

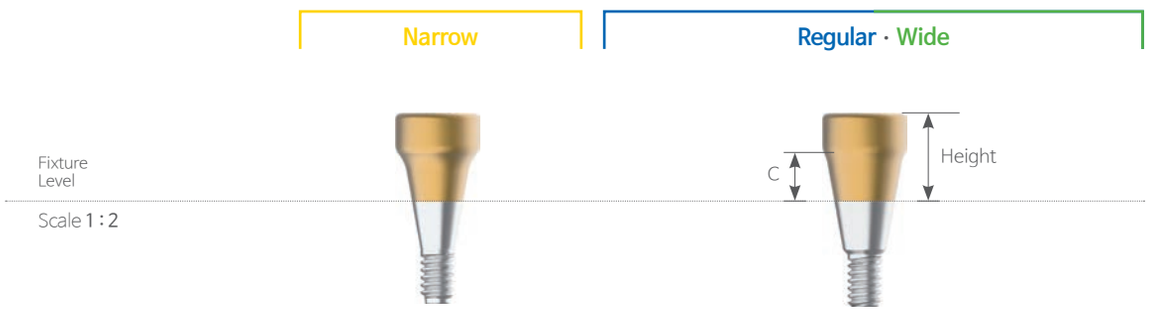
Code	LOC **8926**	LOC **8927**





MagDen Abutment

· Used for making overdenture
· Easy detachment of equipment with self-recovery function by magnetism
· Simple sturcture for easy maintenance
· Uses 1.2 Hex Driver



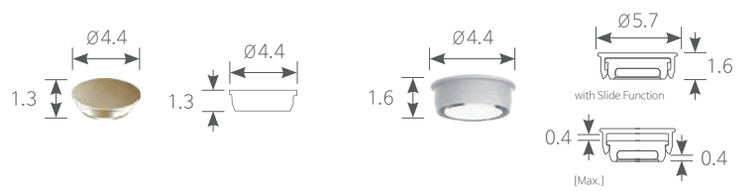
N R W

Unit mm I Scale 1 : 2

Fixture Size	Narrow	Regular · Wide
Height 3 Cuff 2	SADO 5120	SATR 1120
Height 4 Cuff 3	SADO 5130	SATR 1130
Height 5 Cuff 4	SADO 5140	SATR 1140
Height 6 Cuff 5	SADO 5150	SATR 1150
Height 7 Cuff 6	SADO 5160	SATR 1160
Height 8 Cuff 7	SADO 5260	SATR 1260
Height 9 Cuff 8	SADO 5360	SATR 1360
Height 10 Cuff 9	SADO 5460	SATR 1460
Height 11 Cuff 10	SADO 5560	SATR 1560
Height 12 Cuff 11	SADO 5660	SATR 1660

Magnetic Assembly

· Attachment for Magnetic Abutment
· Flat Type : Flat design
· SX Type : Path recovery to the maximum of 8°



N R W

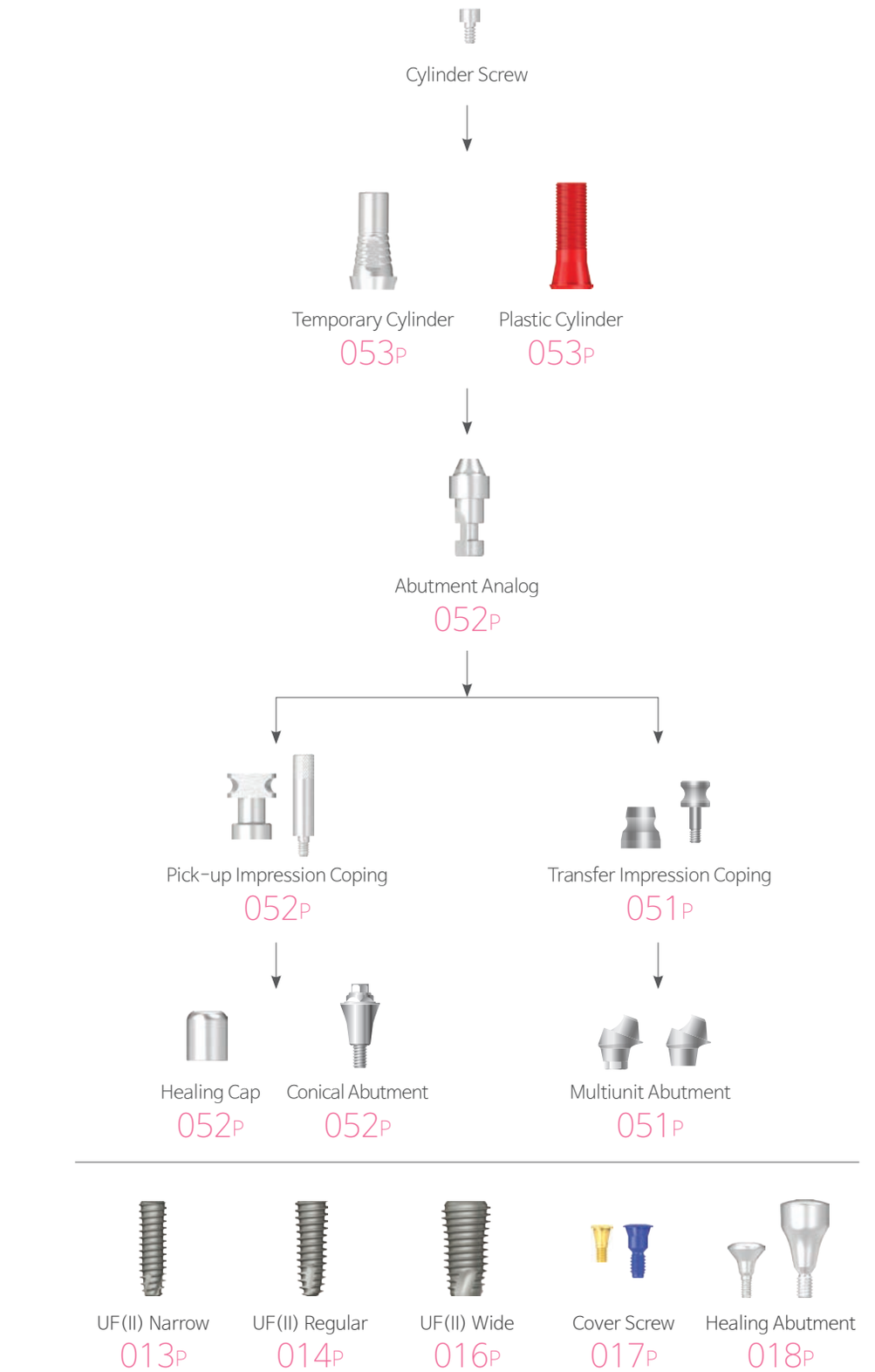
Unit mm I Scale 1 : 2

Type	Flat Type	SX Type
Code	MAGFIT DXFL	MAGFIT SX-L

Cement / Screw - Retained Restorations

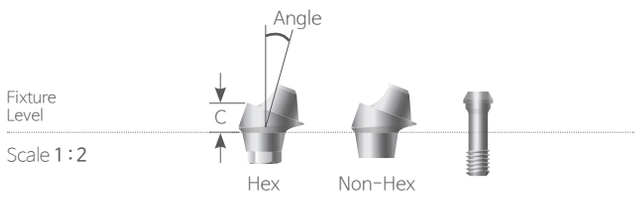
Multiunit / Conical Abutment

Fixture - N R W



Multiunit Abutment Hex Non-Hex

· Packing Unit : Abutment + Screw (MAS2006S) + Holder (MAH1425)
· Tightening Torque : 30~35Ncm



N R W Hex

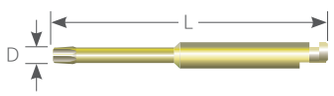
Unit mm

Fixture Size	Narrow	Regular · Wide	
Angle	20°	20°	30°
Cuff 2.5	-	UMA **482520H**	-
3	UNSMUA **483020H**	UMA **483020H**	UMA **483030H**
4	UNSMUA **484020H**	UMA **484020H**	UMA **484030H**
5	UNSMUA **485020H**	UMA **485020H**	UMA **485030H**

N R W Non-Hex

Fixture Size	Narrow	Regular · Wide	
Angle	20°	20°	30°
Cuff 2.5	-	UMA **482520N**	-
3	UNSMUA **483020N**	UMA **483020N**	UMA **483030N**
4	UNSMUA **484020N**	UMA **484020N**	UMA **484030N**
5	UNSMUA **485020N**	UMA **485020N**	UMA **485030N**

Multiunit Screw Driver



N R W D Ø1.4 Length 25

Unit mm I Scale 1 : 1.25

Code	MSD **1425**

Transfer Impression Coping



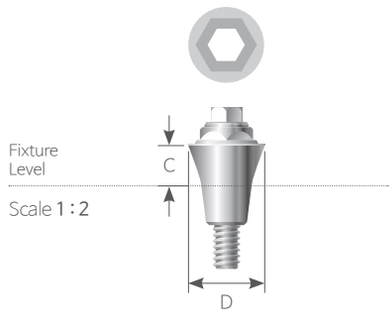
N R W

Unit mm I Scale 1 : 1.25

Code	ICC **4805** / ICCS **1407**

Conical Abutment

· Maintains screw and prosthetic aesthetics.
· For fabrication of prosthetic on cylinder after abutment has been placed.
· Up to 48˚path angle
· Uses Ø2.0 Conical Abutment Driver (HD 2012A)
· Tightening Torque : 30~35Ncm



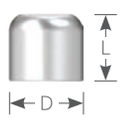
N R W D Ø4.8

Unit mm

Fixture Size	Narrow	Regular · Wide
Cuff 1	UNSKA **4801**	UCA **4801**
2	UNSKA **4802**	UCA **4802**
3	UNSKA **4803**	UCA **4803**

Healing Cap

· Protects the Conical Abutment and promotes patient healing.
· Uses 1.2 Hex Driver
· Tightening Torque : 20Ncm



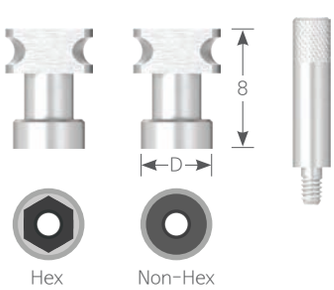
N R W D Ø1.4 Length **4.5**

Unit mm I Scale 1 : 2

Code	HCN **40504**

Pick-up Impression Coping

· Create final impression of Conical Abutment on Impression Coping.
· For use with pick-up type custom trays.
· Packing Unit : Pick-up Impression Coping + Guide Pin



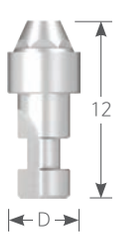
N R W D Ø4.8 Length **8**

Unit mm I Scale 1 : 2

Type	Hex	Non Hex
Guide Pin	IPN **40508** PCN **40310**	IPN **40508N** PCN **40310S**

Abutment Analog

· Provides anchor point for Conical Abutment.



N R W D Ø4.8 Length **12**

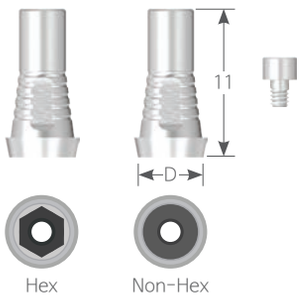
Unit mm I Scale 1 : 1.25

Code	RCN **40412**

Multiunit / Conical Abutment Components

Temporary Cylinder Hex Non-Hex

· For fabricating temporary prosthetics on top of Conical Abutments.
· Simple customization & Minimizes restriction
· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw (SHN 1403)
· Tightening Torque : 20Ncm



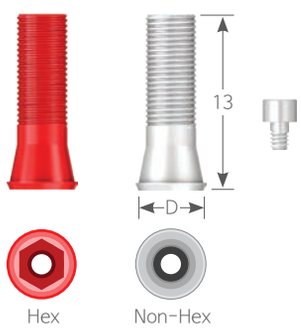
Unit mm I Scale 1 : 18

N R W D Ø5.4 Length **11**

Type	Hex	Non Hex
	TCN **40511**	TCN **40511N**

Plastic Cylinder Hex Non-Hex

· Cast in premium gold alloy after customization.
· Less precise than the gold cylinder.
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Cylinder Screw (SHN 1403)
· Tightening Torque : 20Ncm



Unit mm I Scale 1 : 18

N R W D Ø5.0 Length **13**

Type	Hex	Non Hex
	APN **40514S**	APN **40514SN**

Cylinder Screw



N R W Length **3**

Unit mm I Scale 1 : 2

Code	SSN **1403**

Conical Screw Driver



N R W

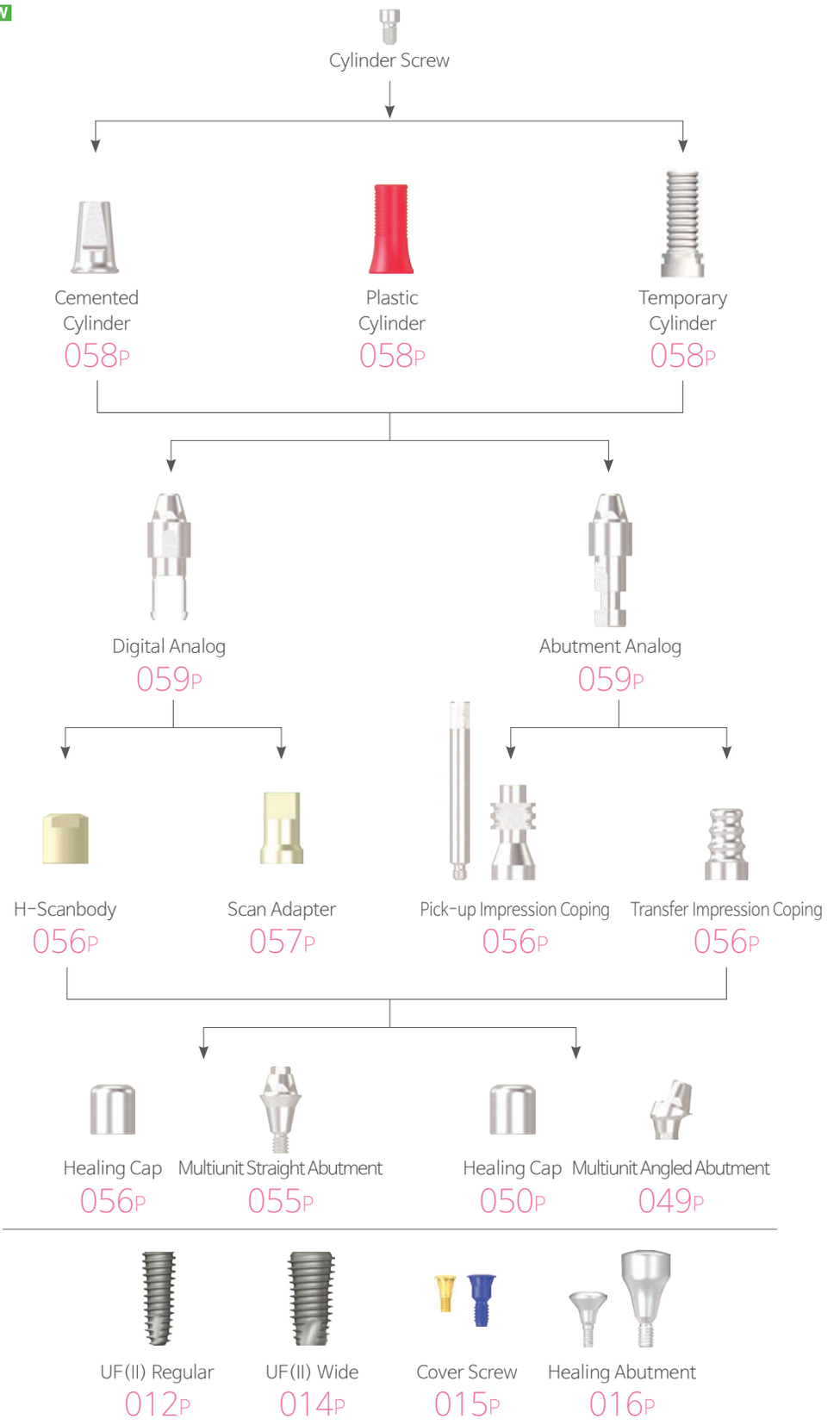
Unit mm I Scale 1 : 1

Code	HD **2012A**

Cement / Screw - Retained Restorations

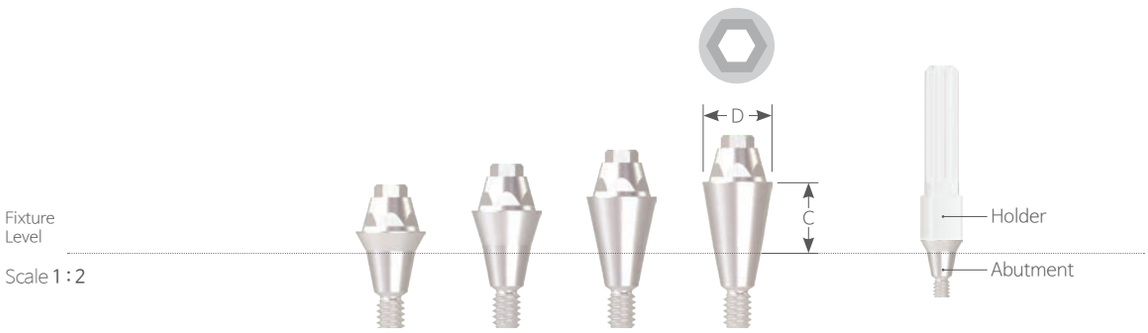
Multiunit Abutment

Fixture - R W



Multiunit Straight Abutment

▸Use it to fabricate cement and screw-retained prosthesis in a bridge case with diffrent path.
· Tightening Torque : 30Ncm
· Packing unit : Multiunit Straight Abutment + Holder (MSAH 4820)
· Use Ø2.0 Multiunit Straight Abutment Driver (HD 2012A (Same as Conical Abutment Driver))



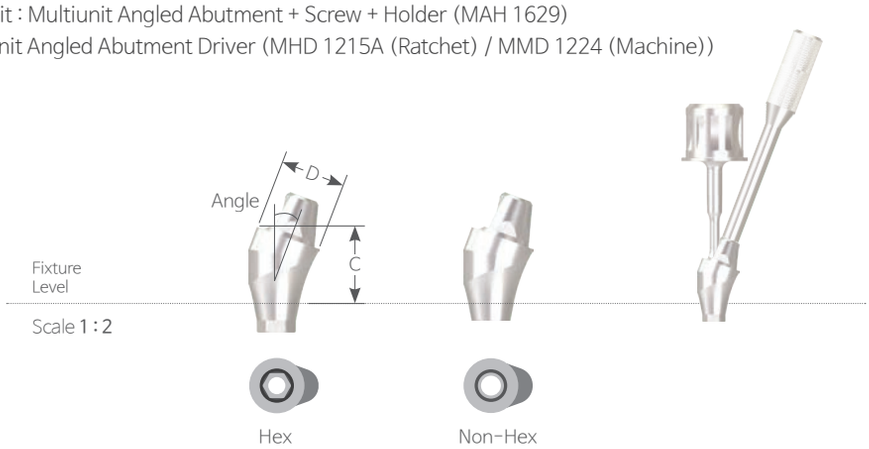
R W D Ø4.8

Unit mm

Cuff	1.5	2.5	3.5	4.5
	MSA **4801**	MSA **4802**	MSA **4803**	MSA **4804**

Multiunit Angled Abutment Hex Non-Hex

▸Use it to fabricate cement and screw-retained prosthesis in a bridge case with diffrent path.
· Multiunit Angled Abutment and Fixture (UFII Regular / Wide) are fastened with the Multiunit Angled Abutment Screw (MASC 2006).
· Muliunit Angled Abutment is path compensate Maximum up to 60 °
· Tightening Torque : 30Ncm
· Packing unit : Multiunit Angled Abutment + Screw + Holder (MAH 1629)
· Use Multiunit Angled Abutment Driver (MHD 1215A (Ratchet) / MMD 1224 (Machine))



R W D Ø4.8

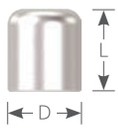
Unit mm

Type	Hex		Non-Hex	
Angle	20°	30°	20°	30°
Cuff 2.5	MAA **482520H**	-	MAA **482520N**	-
3.5	MAA **483520H**	MAA **483530H**	MAA **483520N**	MAA **483530N**
4.5	MAA **484520H**	MAA **484530H**	MAA **484520N**	MAA **484530N**
5.5	MAA **485520H**	MAA **485530H**	MAA **485520N**	MAA **485530N**

Multiunit Abutment Components

Healing Cap

· To protect Abutment and minimize the discomfort in the patient's mouth.
· Uses 1.2 Hex Driver
· Tightening Torque : 5~8Ncm



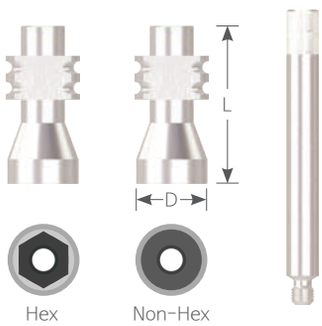
Unit mm I Scale 1 : 2

R W D Ø5.0 Length **5.5**

Code	MHC **5005**

Pick-up Impression Coping

· Pick-up type Impression Coping to take an abutment level impression.
· Used with an open tray
· Only for Multiunit Abutment
· Uses 1.2 Hex Driver
· Packing Unit : Pick-up Impression Coping + Guide Pin (MGP 1615)
· Tightening Torque : 5~8Ncm



Unit mm I Scale 1 : 2

R W D Ø4.8 Length **11**

Type	Hex	Non Hex
	MPI **4811H**	MPI **4811N**

Transfer Impression Coping

· Transfer type Impression Coping to take an abutment level impression.
· Used with Closed Tray
· Only for Multiunit Abutment
· Uses 1.2 Hex Driver
· Tightening Torque : 5~8Ncm



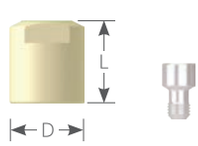
Unit mm I Scale 1 : 2

R W D Ø4.8 Length **8**

Code	MTI **4808N**

H-Scanbody

· Only use Multiunit Straight(MSA) / Multiunit Angled(MAA) Abutment
· Use for digital Impression taking
· Uses 1.2 Hex Driver
· Packing Unit : H-Scan body + Screw(MHSBSC 1603)
· Tightening Torque : 5~8Ncm

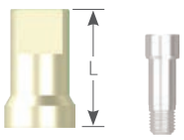


Unit mm I Scale 1 : 2

R W D Ø5.0 Length **5.6**

Code	MHSB **5005H**

Scan Adapter



· Only use Multiunit Straight(MSA) / Multiunit Angled(MAA) Abutment
· Uses 1.2 Hex Driver
· Packing Unit : Scan Adapter + Screw (MCSC 1606)
· Tightening Torque : 5~8Ncm

R W D Ø4.8 Length **8**

Unit **mm** I Scale **1 : 2**

Code	MSCAN **4808H**

Cylinder Protector



· Protect inner surface of cylinder while producing the denture from resin and etc.

R W D Ø4.8 Length **14.2**

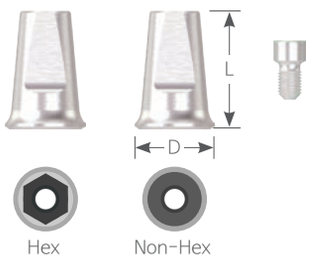
Unit **mm** I Scale **1 : 1.5**

Code	MCP **4814**

Multiunit Abutment Components

Cemented Cylinder Hex Non-Hex

· Used to fabricate cement-retained prosthesis.
· Uses 1.2 Hex Driver
· Packing Unit : Cemented Cylinder + Screw (MSC 1604)
· Tightening Torque : 20Ncm



Unit mm I Scale 1 : 2

R W D Ø5.4 Length **8**

Type	Hex	Non Hex
	MCEM **5408H**	MCEM **5408N**

Plastic Cylinder Hex Non-Hex

· Used to fabricate prosthesis with casting with non-precious metal alloys.
· Color Type : Hex type(Red), Non-Hex type(White)
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Screw(MSC 1604)
· Tightening Torque : 20Ncm



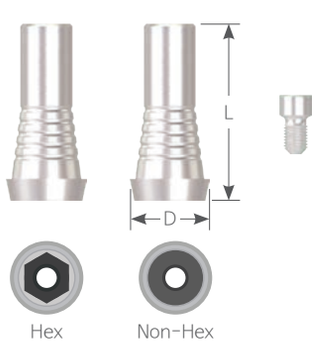
Unit mm I Scale 1 : 2

R W D Ø5.0 Length **10**

Type	Hex	Non Hex
	MPLA **5010H**	MPLA **5010N**

Temporary Cylinder Hex Non-Hex

· Used to fabricate temporary prosthesis.
· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder+ Screw(MSC 1604)
· Tightening Torque : 20Ncm



Unit mm I Scale 1 : 2

R W D Ø5.4 Length **12**

Type	Hex	Non Hex
	MTEM **5412H**	MTEM **5412N**

Cylinder Screw



R W Length 4

Unit mm I Scale 1 : 2

Code	MSC 1604

Abutment Analog

· Provides anchor point for Multiunit Abutment on working model.



R W D Ø4.8 Length 15

Unit mm I Scale 1 : 2

Code	MLA 4815H

Digital Analog

· Provides anchor point for Multiunit Abutment on 3D printed model.
· Uses Digital Lab Analog Jig (MDAJ 00)

Digital Lab Analog Jig





R W D Ø4.8 Length 14.2

Unit mm I Scale 1 : 2

Code	MDA 4813

Surgical Tool

Screw Driver

· Only uses Multiunit Angled Abutment (ex : MAA 0000)

● Sold separately
Unit mm I Scale 1 : 1

K Hex 1.2

Type	Machine	Ratchet
Code	MMD 1224	MHD 1215A





Digital Abutment

Digital abutment that is **better** than stock abutments and more **convenient** than customized abutments.

Function : Scan Adapter



Protect Cap Lock-Groove

Shoulder Margin

UF Ⅱ Connection



UF Ⅱ Connection



UF Ⅱ Narrow Connection

Marking

L25 · L Lower Incisor 2 Cuff 5 Post
U25 · U Upper Incisor 2 Cuff 5 Post
C25 · C Canine 2 Cuff 5 Post
P25 · P Pre-Molar 2 Cuff 5 Post
M25 · M Molar 2 Cuff 5 Post

Caution

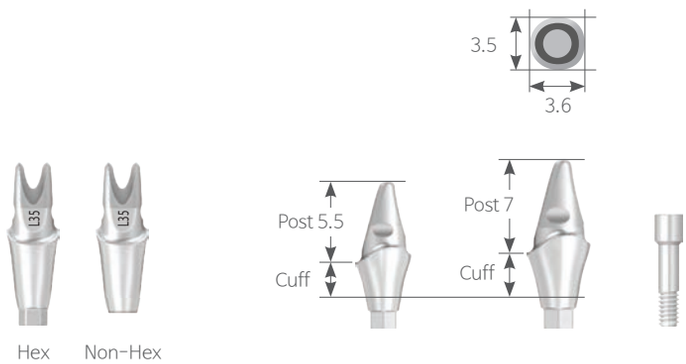
ex) Cuff 2.5 = 2 / Post 5.5 = 5

	Lower Incisor	Upper Incisor	Canine	Pre-Molar	Molar
Cross Section					
Cervical Margin Cross Section					
Facial Side					
Connection	UF(II) Narrow	UF(II) Narrow /UF(II)	UF(II)	UF(II)	UF(II)
Cervical Margin Dimension (Mesiodistal x faciolingual)	5 X 5.2	6.1 X 5.7	5.3 X 6.3	5.8 X 6.8	7.3 X 7.8
Ratio (%)	70%	70% / 85%	85%	85%	85%

Lower Incisor

UFII Narrow Angled Abutment Hex Non-Hex

· Packing Unit : Abutment + Abutment Screw
If a protect cap is included in the abutment + abutment screw, model name + [C]
· Abutment Screw : UNSAS 1407H (Only compatible with the screw included)



N Post 5.5

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	4.5	5.5	Protect Cap
Hex	DLN **2555H**	DLN **3555H**	DLN **4555H**	DLN **5555H**	DCLN **55**
Non-Hex	DLN **2555N**	DLN **3555N**	DLN **4555N**	DLN **5555N**	DCLN **55**
Marking	L 25	L 35	L 45	L 55	-

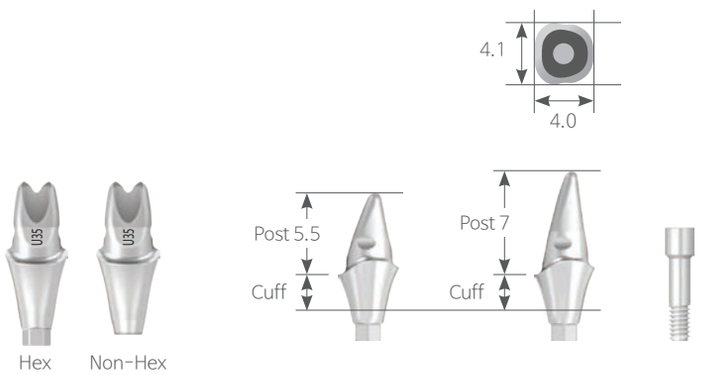
N Post 7.0

Cuff	2.5	3.5	4.5	5.5	Protect Cap
Hex	DLN **2570H**	DLN **3570H**	DLN **4570H**	DLN **5570H**	DCLN **70**
Non-Hex	DLN **2570N**	DLN **3570N**	DLN **4570N**	DLN **5570N**	DCLN **70**
Marking	L 27	L 37	L 47	L 57	-

Upper Incisor

UFII Narrow Angled Abutment Hex Non-Hex

· Packing Unit : Abutment + Abutment Screw
If a protect cap is included in the abutment + abutment screw, model name + [C]
· Abutment Screw : UNSAS 1407H (Only compatible with the screw included)



N Post 5.5

Unit mm I Scale 1 : 1.25

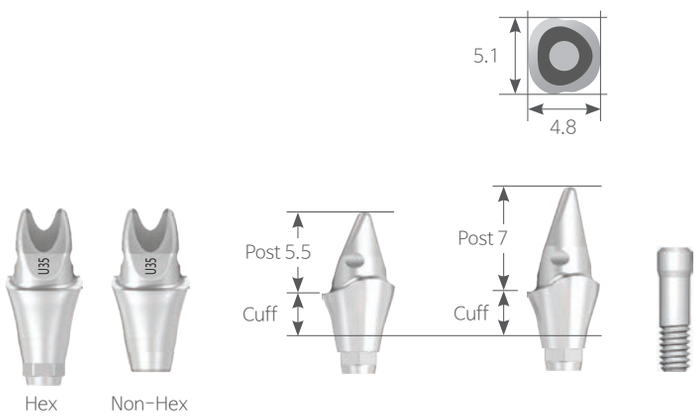
Cuff	2.5	3.5	4.5	5.5	Protect Cap
Hex	DUN **2555H**	DUN **3555H**	DUN **4555H**	DUN **5555H**	DCUN **55**
Non-Hex	DUN **2555N**	DUN **3555N**	DUN **4555N**	DUN **5555N**	DCUN **55**
Marking	U 25	U 35	U 45	U 55	-

N Post 7.0

Cuff	2.5	3.5	4.5	5.5	Protect Cap
Hex	DUN **2570H**	DUN **3570H**	DUN **4570H**	DUN **5570H**	DCUN **70**
Non-Hex	DUN **2570N**	DUN **3570N**	DUN **4570N**	DUN **5570N**	DCUN **70**
Marking	U 27	U 37	U 47	U 57	-

UFII Angled Abutment Hex Non-Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included)



R Post 5.5

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	4.5	5.5	Protect Cap
					
Hex	DUR **2555H**	DUR **3555H**	DUR **4555H**	DUR **5555H**	DCUR **55**
Non-Hex	DUR **2555N**	DUR **3555N**	DUR **4555N**	DUR **5555N**	DCUR **55**
Marking	U 25	U 35	U 45	U 55	-

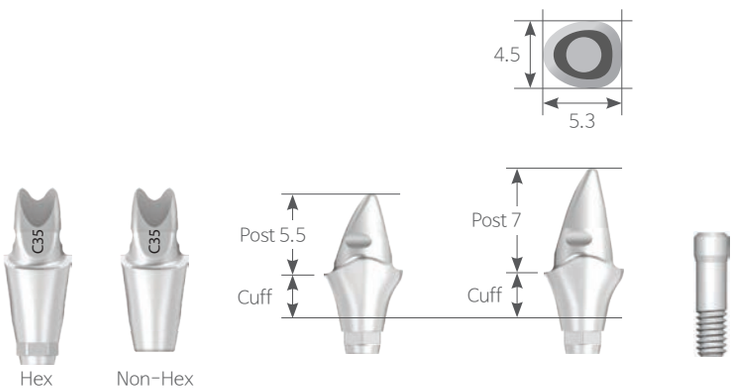
R Post 7.0

Cuff	2.5	3.5	4.5	5.5	Protect Cap
					
Hex	DUR **2570H**	DUR **3570H**	DUR **4570H**	DUR **5570H**	DCUR **70**
Non-Hex	DUR **2570N**	DUR **3570N**	DUR **4570N**	DUR **5570N**	DCUR **70**
Marking	U 27	U 37	U 47	U 57	-

Canine

UFII Angled Abutment Hex Non-Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included)



R Post 5.5

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	Protect Cap
			
Hex	DCR **2555H**	DCR **3555H**	DCCR **55**
Non-Hex	DCR **2555N**	DCR **3555N**	DCCR **55**
Marking	C 25	C 35	-

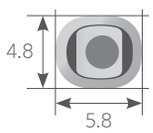
R Post 7.0

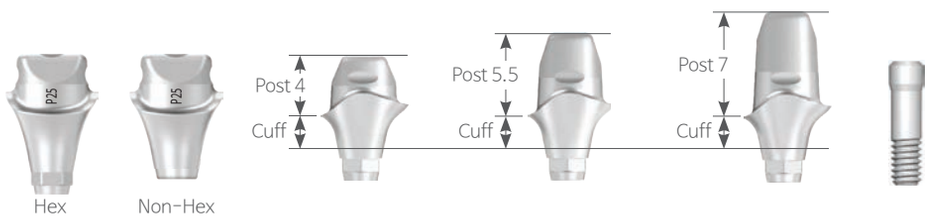
Cuff	2.5	3.5	Protect Cap
			
Hex	DCR **2570H**	DCR **3570H**	DCCR **70**
Non-Hex	DCR **2570N**	DCR **3570N**	DCCR **70**
Marking	C 27	C 37	-

Pre-Molar

UFII Angled Abutment Hex Non-Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included)





R Post 4.0

Unit mm I Scale 1 : 1.25

Cuff	1.5	2.5	3.5	4.5	Protect Cap
Hex	DPR **1540H**	DPR **2540H**	DPR **3540H**	DPR **4540H**	DCPR **40**
Non-Hex	DPR **1540N**	DPR **2540N**	DPR **3540N**	DPR **4540N**	DCPR **40**
Marking	P 14	P 24	P 34	P 44	-

R Post 5.5

Cuff	1.5	2.5	3.5	4.5	Protect Cap
Hex	DPR **1555H**	DPR **2555H**	DPR **3555H**	DPR **4555H**	DCPR **55**
Non-Hex	DPR **1555N**	DPR **2555N**	DPR **3555N**	DPR **4555N**	DCPR **55**
Marking	P 15	P 25	P 35	P 45	-

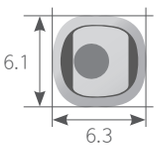
R Post 7.0

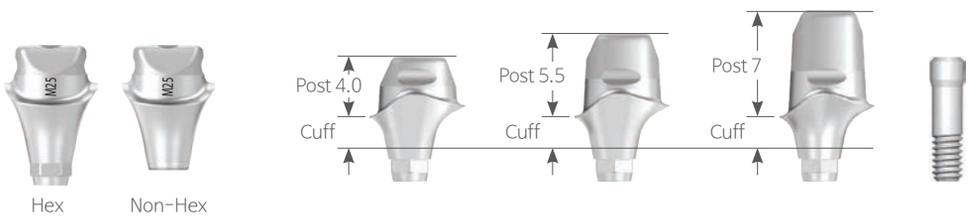
Cuff	1.5	2.5	3.5	4.5	Protect Cap
Hex	DPR **1570H**	DPR **2570H**	DPR **3570H**	DPR **4570H**	DCPR **70**
Non-Hex	DPR **1570N**	DPR **2570N**	DPR **3570N**	DPR **4570N**	DCPR **70**
Marking	P 17	P 27	P 37	P 47	-

Molar

UFII Angled Abutment Hex Non-Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included)





R Post 4.0

Unit mm I Scale 1 : 1.25

Cuff	1.5	2.5	3.5	4.5	Protect Cap
Hex	DMR **1540H**	DMR **2540H**	DMR **3540H**	DMR **4540H**	DCMR **40**
Non-Hex	DMR **1540N**	DMR **2540N**	DMR **3540N**	DMR **4540N**	DCMR **40**
Marking	M 14	M 24	M 34	M 44	-

R Post 5.5

Cuff	1.5	2.5	3.5	4.5	Protect Cap
Hex	DMR **1555H**	DMR **2555H**	DMR **3555H**	DMR **4555H**	DCMR **55**
Non-Hex	DMR **1555N**	DMR **2555N**	DMR **3555N**	DMR **4555N**	DCMR **55**
Marking	M 15	M 25	M 35	M 45	-

R Post 7.0

Cuff	1.5	2.5	3.5	4.5	Protect Cap
Hex	DMR **1570H**	DMR **2570H**	DMR **3570H**	DMR **4570H**	DCMR **70**
Non-Hex	DMR **1570N**	DMR **2570N**	DMR **3570N**	DMR **4570N**	DCMR **70**
Marking	M 17	M 27	M 37	M 47	-

Protect Cap

1. Prevention of gingiva creeping
   · Covering of gum in the margin and gingiva retraction
   · Can accurately take impression with widened gum

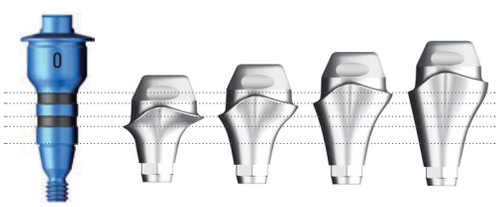
2. Protection of the patient's tongue
   · Since the protect cap can fall off while biting food with antagonist teeth (sticky food, etc.), be careful not to swallow the cap if fallen.



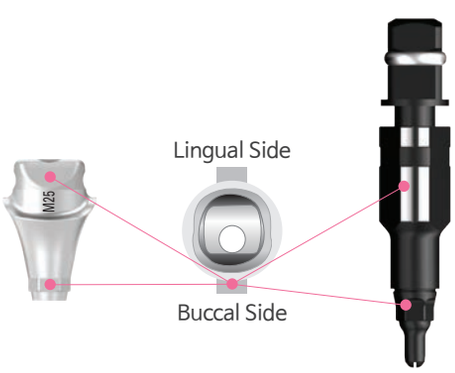
How to check the path

Flapless Surgery

· Surgical Guide Fix (Can check height of the gum)



· Setting of hex direction to buccal side when using digital abutment, checking of hex direction using guide sleeve projection
· Can check hex direction using a Guide Sleeve



Flap Surgery

· Setting of hex direction to buccal side when using digital abutment,
· Can check hex direction using a fixture driver

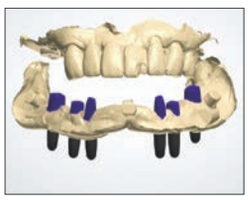


Workflow

DIOnavi. + Digital Abutment (Full Digital)

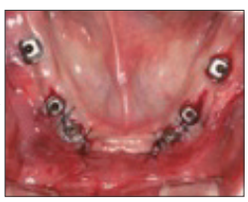
Immediate Restoration


Image collection


Surgey simulation


Design & manufacture


DIOnavi. surgery

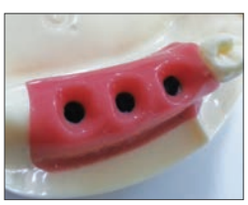

Connection of digital abutment


Attachment of abutment jig & protect cap

Method of intra oral scan impression

If oral scan is available

Method of library matching (3Shape Dental System)


Formation of the gum after implant placement


oral scan after connection of digital abutment


Protect cap or temporary prosthesis (patient returns home)


Library matching

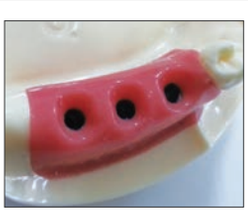

Final crown design

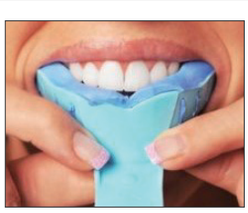

Manufacture of final crown

Method of conventional impression

Scanning after manufacture of model

Method of library matching (3Shape Dental System)


Formation of the gum after implant placement


Manufacture of abutment level impressoin taking (DA connection) plaster model


Scanning of model (Oral & Desk Scanner)


Library matching


Final crown design


Manufacture of final crown

H-Scanbody & Jig

· Tightening Torque : 5~8Ncm
· Packing Unit : H-Scanbody + Screw

UFII Narrow

Top view

N D Ø4.0

Unit mm I Scale 1 : 1.25

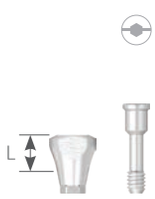
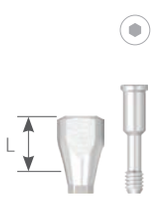
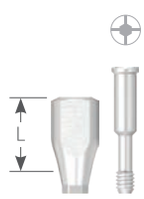
Length	4	6	8	10	12	Jig
						
	UNHSB **404H**	UNHSB **406H**	UNHSB **408H**	UNHSB **410H**	UNHSB **412H**	JIG **401**
Screw	UNSCAN **1408H**	UNSCAN **1410H**	UNSCAN **1412H**	UNSCAN **1414H**	UNSCAN **1416H**	

UFII Regular / Wide

Top view

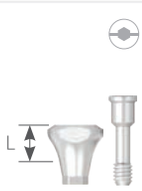
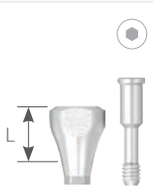
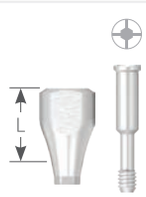
R W D Ø5.0

Unit mm I Scale 1 : 1.25

Length	4	6	8	Jig
				
	HSCAN **541H**	HSCAN **561H**	HSCAN **581H**	JIG **501**
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

Top view

R W D Ø6.0

Length	4	6	8	Jig
				
	HSCAN **641H**	HSCAN **661H**	HSCAN **681H**	JIG **602**
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

H-Scanbody

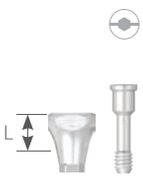
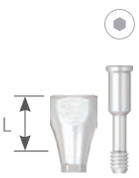
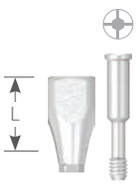
UFII Regular / Wide

Top view



R W D Ø6.0

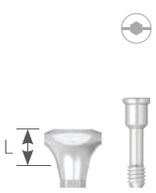
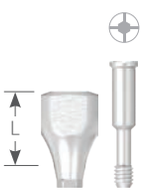
Unit mm I Scale 1 : 1.25

Length	4	6	8	Jig
				
	HSCAN **642H**	HSCAN **662H**	HSCAN **682H**	JIG **601**
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

Top view

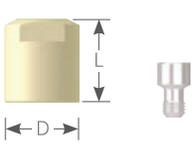


R W D Ø7.0

Length	4	6	8	Jig
				
	HSCAN **741H**	HSCAN **761H**	HSCAN **781H**	JIG **701**
Screw	SSCAN **2009H**	SSCAN **2011H**	SSCAN **2013H**	

UFII Regular / Wide

- Only use Multiunit Straight(MSA) / Multiunit Angled(MAA) Abutment
- Use for digital Impression taking
- Uses 1.2 Hex Driver
- Packing Unit : H-Scan body + Screw(MHSBSC 1603)
- Tightening Torque : 5~8Ncm



R W D Ø5.0 Length **5.6**

Unit mm I Scale 1 : 2

Code	MHSB **5005H**

Scan Adapter

· Manufacture of customized abutment by connecting to the fixture
in the mouth or lab analog of the plaster model and scanning with an oral scanner or desk scanner
· [H] : Hex / [T] : Torx

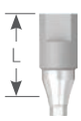
UFII Narrow

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

N

Unit mm I Scale 1 : 1.25

Length	9	15	Screw



SCAN **41**



SCAN **41-15**



UNSAS **1407H**

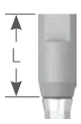
UFII Regular / Wide

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

R W

Unit mm I Scale 1 : 1.25

Length	9	15	Screw



SCAN **01**



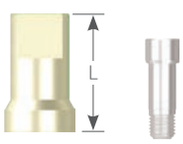
SCAN **01-15**



SSC **2008H**

UFII Regular / Wide

· Only use Multiunit Straight(MSA) / Multiunit Angled(MAA) Abutment
· Uses 1.2 Hex Driver
· Packing Unit : Scan Adapter + Screw (MCSC 1606)
· Tightening Torque : 5~8Ncm



R W **D Ø4.8** Length **8**

Unit mm I Scale 1 : 2

Code	MSCAN **4808H**

Scan Retractor

· Precise recognition of maxillar open repository and archive
· Controlling the cheek and tongue mobility at mandibular open repository and archive
· Providing the exact reference point of the marginal scanning area
· Packing Unit : Maxillar – Set (5 Piece) Mandibular – Set (5 Piece)


Maxillar


Mandibular

Type	Maxillar	Mandibular
	SCANR **01S**	SCANR **02S**

Wax Denture

▸Made of thermoplastic material that allows easy operation to acquire occlusion with patient's gingiva
· For edentulous patients
· Easily customized
· Enable oral scan
· Packing Unit : Maxillar-1 Piece / Mandibular-1 Piece


Maxillar


Mandibular

Type	Maxillar	Mandibular
Small	WDU **01**	WDL **01**
Medium	WDU **02**	WDL **02**
Large	WDU **03**	WDL **03**

Marker

· Use when they have no teeth for reference
· Use for CT imaging for digital implant surgery
· Packing Unit : 1 Set (30ea)



Type	SGM **5040**

Pre-Milled Bar

UFII Narrow

· Packing Unit : Pre-Milled Bar + Screw (UNSAS 1407H) 2ea
· Tightening Torque : 20Ncm



N

Unit mm I Scale 1 : 1

Type	Hex		Non-Hex	
Diameter	Ø10	Ø12	Ø10	Ø12
	CBUN **01**	CBUN **02**	CBUN **01N**	CBUN **02N**

UFII Regular / Wide

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



R W

Unit mm I Scale 1 : 1

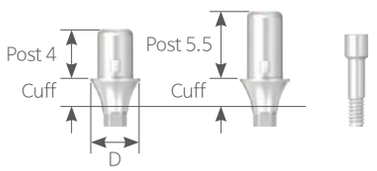
Type	Hex		Non-Hex	
Diameter	Ø10	Ø12	Ø10	Ø12
	CBSS **01**	CBSS **02**	CBSS **01N**	CBSS **02N**

Hybrid Link

· Up to implant platform connection part is made of titanium,
making it easy to produce prosthesis for anterior region by cementation the post made of zirconia.

UFII Narrow

· Packing Unit : Hybrid Link + Screw (UNSAS1407H)
· Tightening Torque : 20Ncm



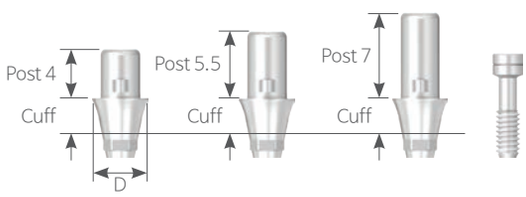
N D Ø4.0

Unit mm I Scale 1 : 1.65

Type			Hex
Diameter Ø4.0	Post 4	Cuff 1	UNHL **40401H**
		Cuff 2	UNHL **40402H**
		Cuff 3	UNHL **40403H**
	Post 5.5	Cuff 1	UNHL **40551H**
		Cuff 2	UNHL **40552H**
		Cuff 3	UNHL **40553H**

UFII Regular / Wide

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



R W

Unit mm I Scale 1 : 1.65

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

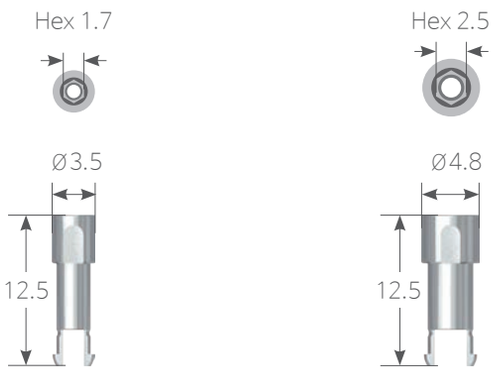
Digital Fixture Analog

· Provides anchor point for abutment on 3D printed model.

N R W Hex Length **12.5**

Unit mm I Scale 1 : 65

Fixture Size	Narrow	Regular · Wide
Diameter	Ø3.5	Ø4.8
Hex	1.7	2.5
Code	DAUN **3512**	DAU **4812**

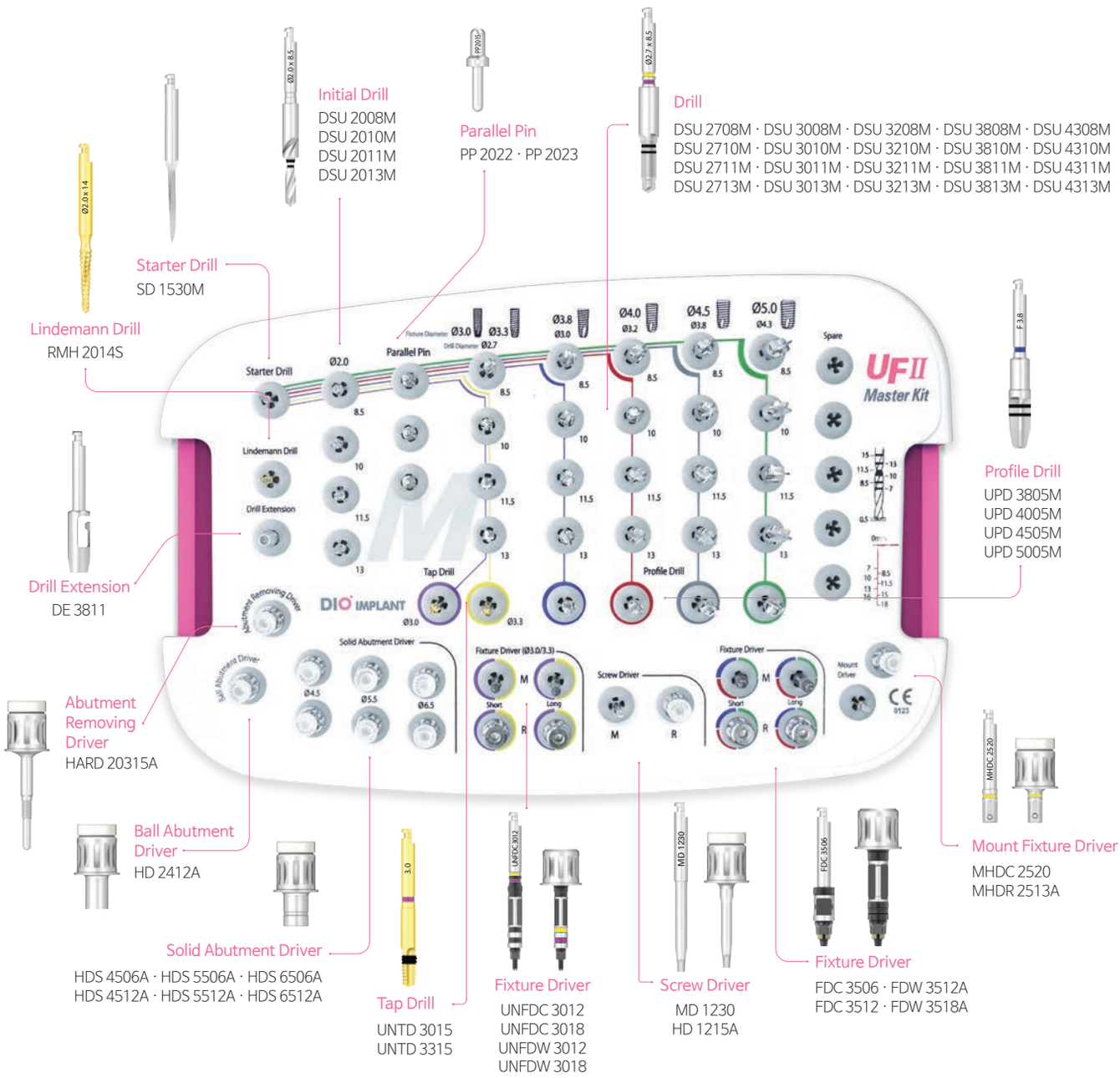


UFⅡ Master Kit

Kit Code I UF(M) 06

· Kit composed of drill with outstanding cutting force and durability, etc.
· UFⅡ Narrow Ø3.0 Ø3.3 / UFⅡ Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Ø5.5 Fixture

Unit mm I Drill Scale 1 : 0.9





Torque Wrench
DTW 0060

Open Wrench
OW 004

Depth Gauge
DPG 2050

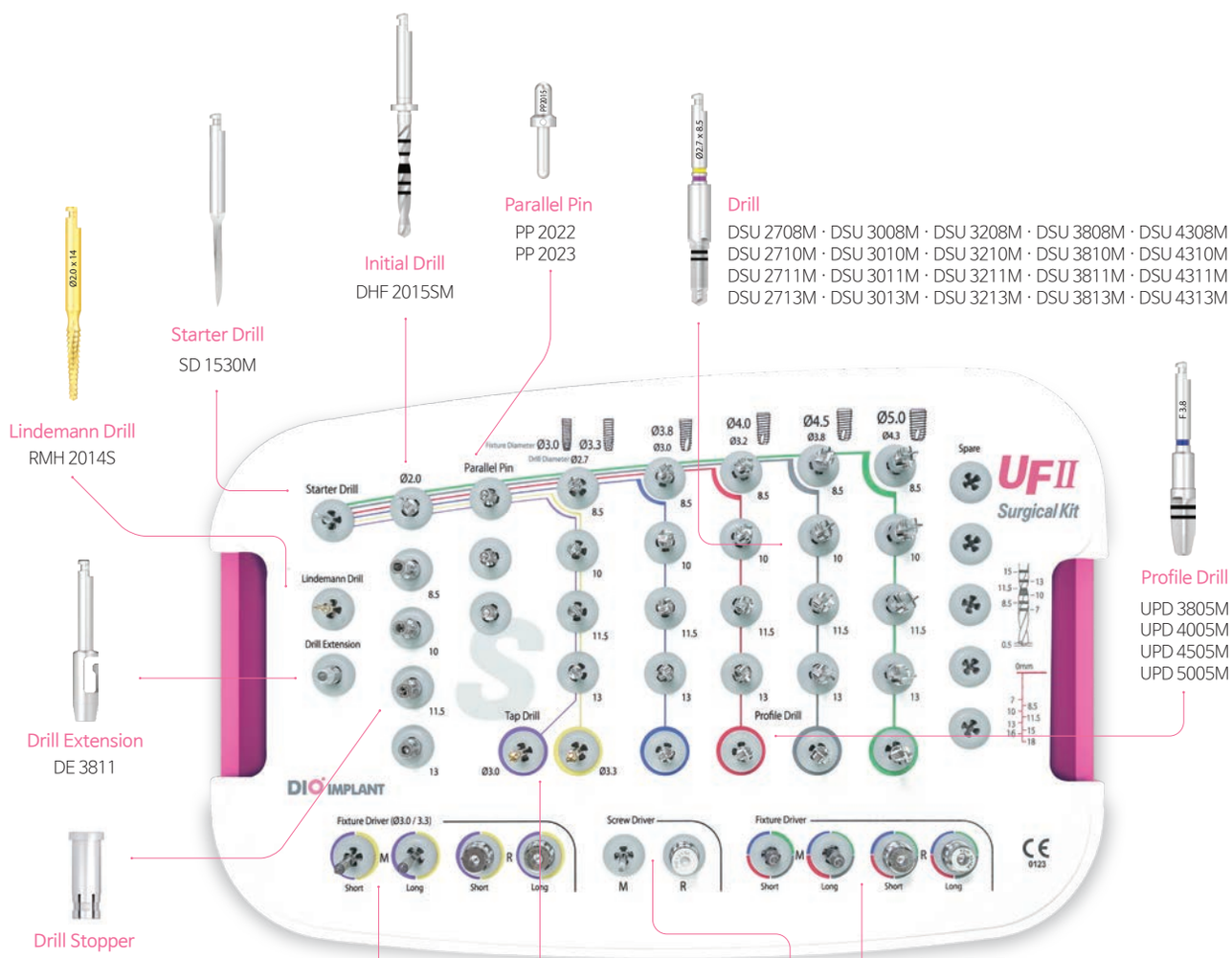
Ver A

UFⅡ Surgical Kit

Kit Code I UF(M) 07

· Kit composed of drill with outstanding cutting force and durability, etc.
· UFⅡ Narrow Ø3.0 Ø3.3/ UFⅡ Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Ø5.5 Fixture

Unit mm I Drill Scale 1 : 0.9





Torque Wrench
DTW 0060



Open Wrench
OW 004

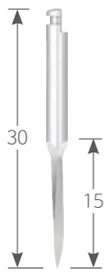


Depth Gauge
DPG 2050

Ver B

Surgical Tool

Starter Drill



K

Unit mm I Scale 1 : 1.15

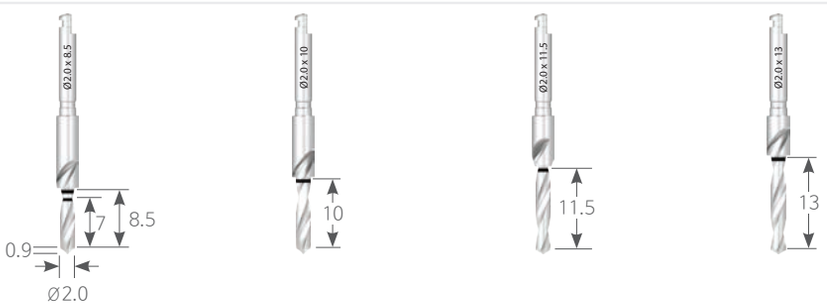
Code	SD **1530M**

Initial Drill

K **D Ø2.0** · Only use UFⅡ Master Kit

Unit mm I Scale 1 : 1

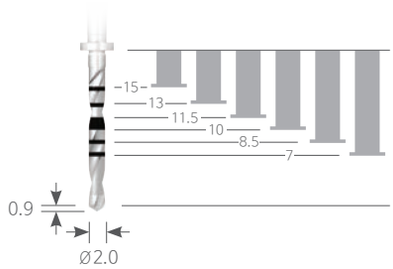
Code	DSU **2008M**	DSU **2010M**	DSU **2011M**	DSU **2013M**



K **D Ø2.0** · Only use UFⅡ Surgical Kit

Unit mm I Scale 1 : 1.2

Code	DHF **2015SM**



Drill stopper

K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	ST **2013F**	ST **2011F**	ST **2010F**	ST **2008F**



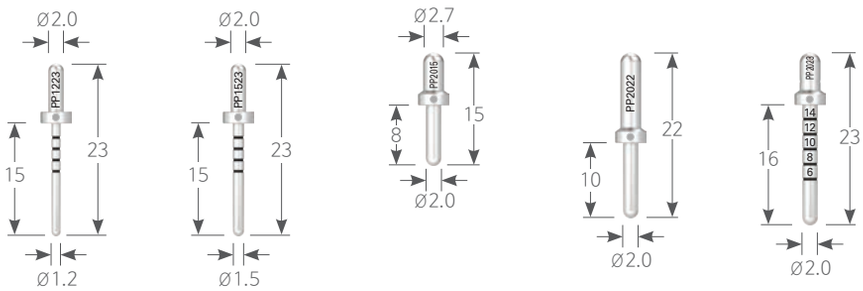
Parallel Pin

● Sold separately

K

Unit mm I Scale 1 : 1

Code	PP 1223	PP 1523	PP 2015	PP 2022	PP 2023



Path Pin



● Sold separately

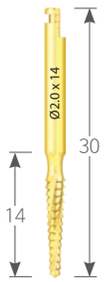
K

Unit mm I Scale 1 : 1.2

Code	DPP 3512

Surgical Tool

Lindemann Drill



K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	RMH **2014S**

Positioning Guide



K **D Ø2.0**

● Sold separately

Unit mm I Scale 1 : 1.2

Code	PG **0060**

Angled Path Pin

K

● Sold separately

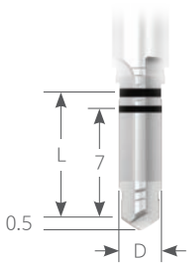
Unit mm I Scale 1 : 1.15

Code	DAP **4515A**	DAP **4515B**
Type	Hex A	Hex B





Drill





Color

Scale 1 : 1.15

K D Ø2.7

● Sold separately
Unit mm I Scale 1 : 1

Code	DSU 2707M	DSU 2708M	DSU 2710M	DSU 2711M	DSU 2713M	DSU 2715M



Length	7	8.5	10	11.5	13	15

K D Ø3.0

Unit mm I Scale 1 : 1

Code	DSU 3007M	DSU 3008M	DSU 3010M	DSU 3011M	DSU 3013M	DSU 3015M



Length	7	8.5	10	11.5	13	15

Drill

● Sold separately

K D Ø3.2

Unit mm I Scale 1 : 1

Code	DSU 3207M	DSU 3208M	DSU 3210M	DSU 3211M	DSU 3213M	DSU 3215M
						
Length	7	8.5	10	11.5	13	15

K D Ø3.8

Unit mm I Scale 1 : 1

Code	DSU 3807M	DSU 3808M	DSU 3810M	DSU 3811M	DSU 3813M	DSU 3815M
						
Length	7	8.5	10	11.5	13	15

K D Ø4.3

Unit mm I Scale 1 : 1

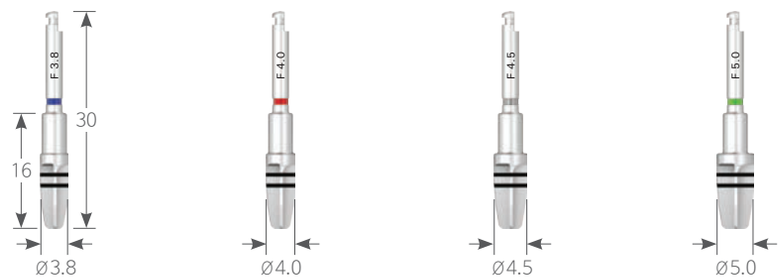
Code	DSU 4307M	DSU 4308M	DSU 4310M	DSU 4311M	DSU 4313M	DSU 4315M
						
Length	7	8.5	10	11.5	13	15

Profile Drill

K

Unit mm I Scale 1 : 1

Fixture Size	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Code	UPD 3805M	UPD 4005M	UPD 4505M	UPD 5005M



Color

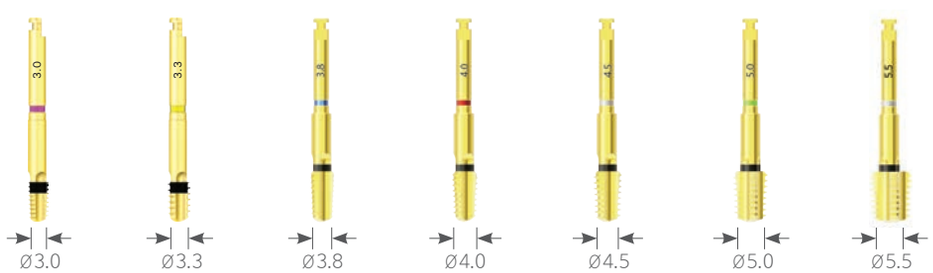
Tap Drill

● Sold separately

K

Unit mm I Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0	Ø5.5
Code	UNTD 3015	UNTD 3315	UT(II) 3815	UT(II) 4015	UT(II) 4515	UT(II) 5015	UT(II) 5515



Color

Drill Extension

· Length is extended 15.5mm by connecting to the drill.



K

Unit mm I Scale 1 : 1.2

Code	DE 3811

Surgical Tool

Fixture Driver Narrow

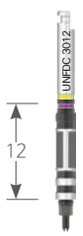
● Sold separately

Unit mm I Scale 1 : 1

K Machine

Code	UNFDC 3006	UNFDC 3012	UNFDC 3018

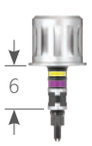


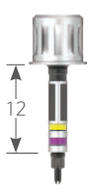


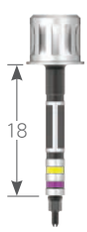


K Ratchet

Code	UNFDW 3006	UNFDW 3012	UNFDW 3018







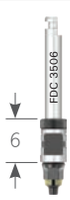
Fixture Driver Regular / Wide

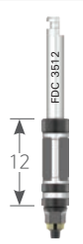
● Sold separately

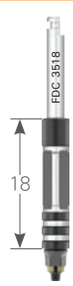
Unit mm I Scale 1 : 1

K Machine

Code	FDC 3506	FDC 3512	FDC 3518

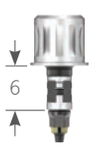


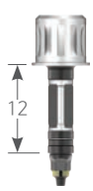


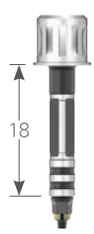


K Ratchet

Code	FDW 3506A	FDW 3512A	FDW 3518A







Screw Driver Machine

● Sold separately

Unit mm I Scale 1 : 1

K Slot 0.5

Code	MD 0522	MD 0530



K Hex 0.9

Code	MD 0922	MD 0930



K Hex 1.2

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239



K Torx 1.7

Code	MD 1719	MD 1722	MD 1730



Surgical Tool

Screw Driver Ratchet

● Sold separately

Unit mm I Scale 1 : 1

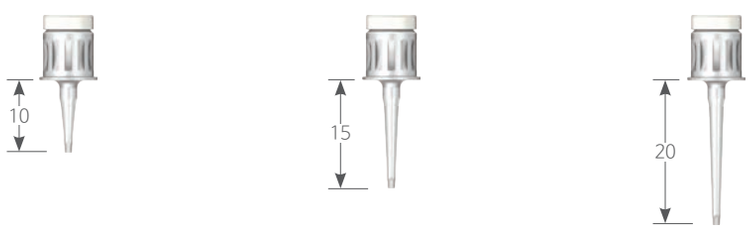
K Slot 0.5

Code	HD 0510A	HD 0515A



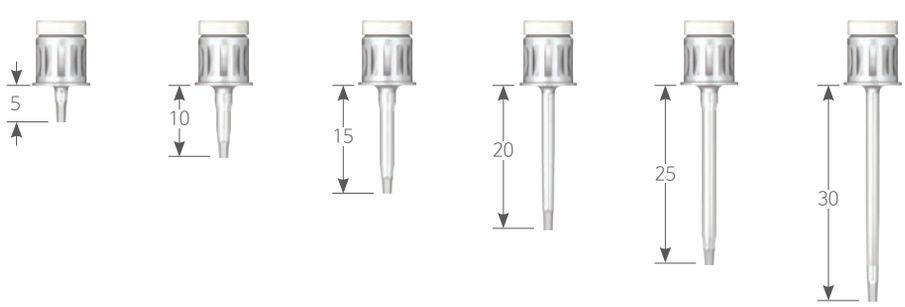
K Hex 0.9

Code	HD 0910A	HD 0915A	HD 0920A



K Hex 1.2

Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A



K Torx 1.7

Code	HD 1705A	HD 1710A	HD 1715A	HD 1720A	HD 1725A



Mount Fixture Driver

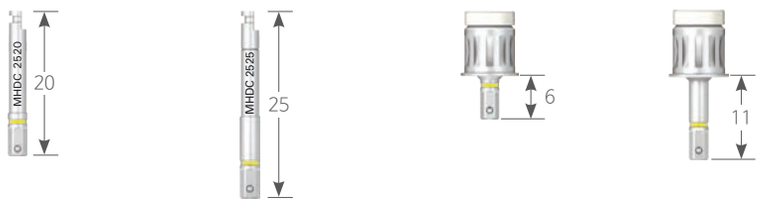
· Only use UF II Master Kit

● Sold separately

K Hex **2.5**

Unit mm I Scale 1 : 1

Type	Machine		Ratchet	
Code	MHDC **2520**	MHDC **2525**	MHDR **2513A**	MHDR **2518A**



Solid Abutment Driver

· Only use UF II Master Kit

K

Unit mm I Scale 1 : 1.2

Length	6	12
Diameter Ø4.5	HDS **4506A**	HDS **4512A**
Ø5.5	HDS **5506A**	HDS **5512A**
Ø6.5	HDS **6506A**	HDS **6512A**



Ball Abutment Driver

· Only use UF II Master Kit

● Sold separately

K

Unit mm I Scale 1 : 1

Code	HD **2406A**	HD **2412A**



Surgical Tool

Abutment Removing Driver

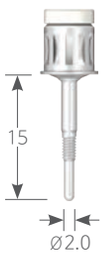
· Only use UF II Master Kit

● Sold separately

K

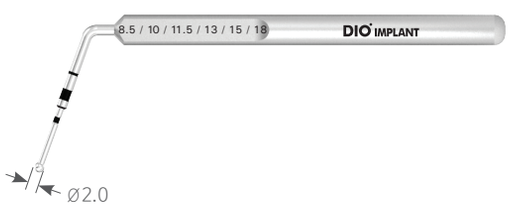
Unit mm I Scale 1 : 1

Code	HARD **20315A**	HARD **20320A**





Depth Gauge



K **D Ø2.0**

Unit mm I Scale 1 : 1

Code	DPG **2050**

Open Wrench

· Used to remove Mount if the bone is soft.
· 30 ˚Neck angle for convenience in intraoral insertion.



K

Unit mm I Scale 1 : 1

Code	OW **004**

Torque Wrench



K

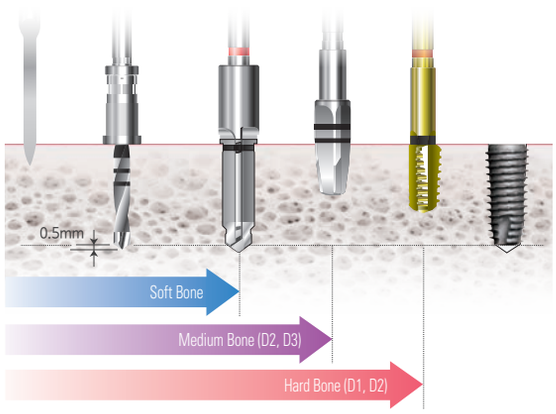
Unit mm I Scale 1 : 1

Code	DTW **0060**

Surgical Protocol

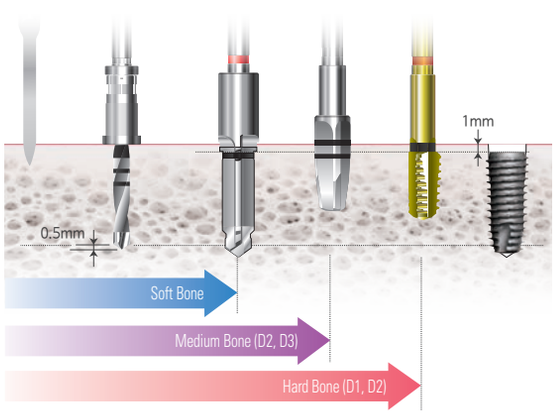
Crestal Placement

Starter Drill	Initial Drill	Drill	Profile Drill	Tap Drill	UF(II) Fixture
1,200rpm	1,000rpm	800rpm	300rpm	50rpm	20rpm



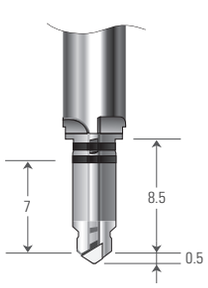
1mm Subcrestal Placement

Starter Drill	Initial Drill	Drill	Profile Drill	Tap Drill	UF(II) Fixture
1,200rpm	1,000rpm	800rpm	300rpm	50rpm	20rpm



Drill

Using 8.5mm Drill with laser marking to place 7mm implant



Profile Drill

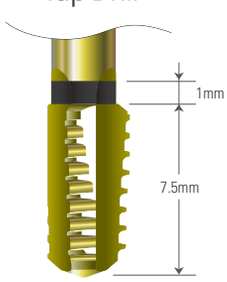
Drilling depth can effect initial stability.



Lower → Used to reduce insertion torque on Soft Bone.

← Upper Used to reduce insertion torque on Dense Bone.

Tap Drill

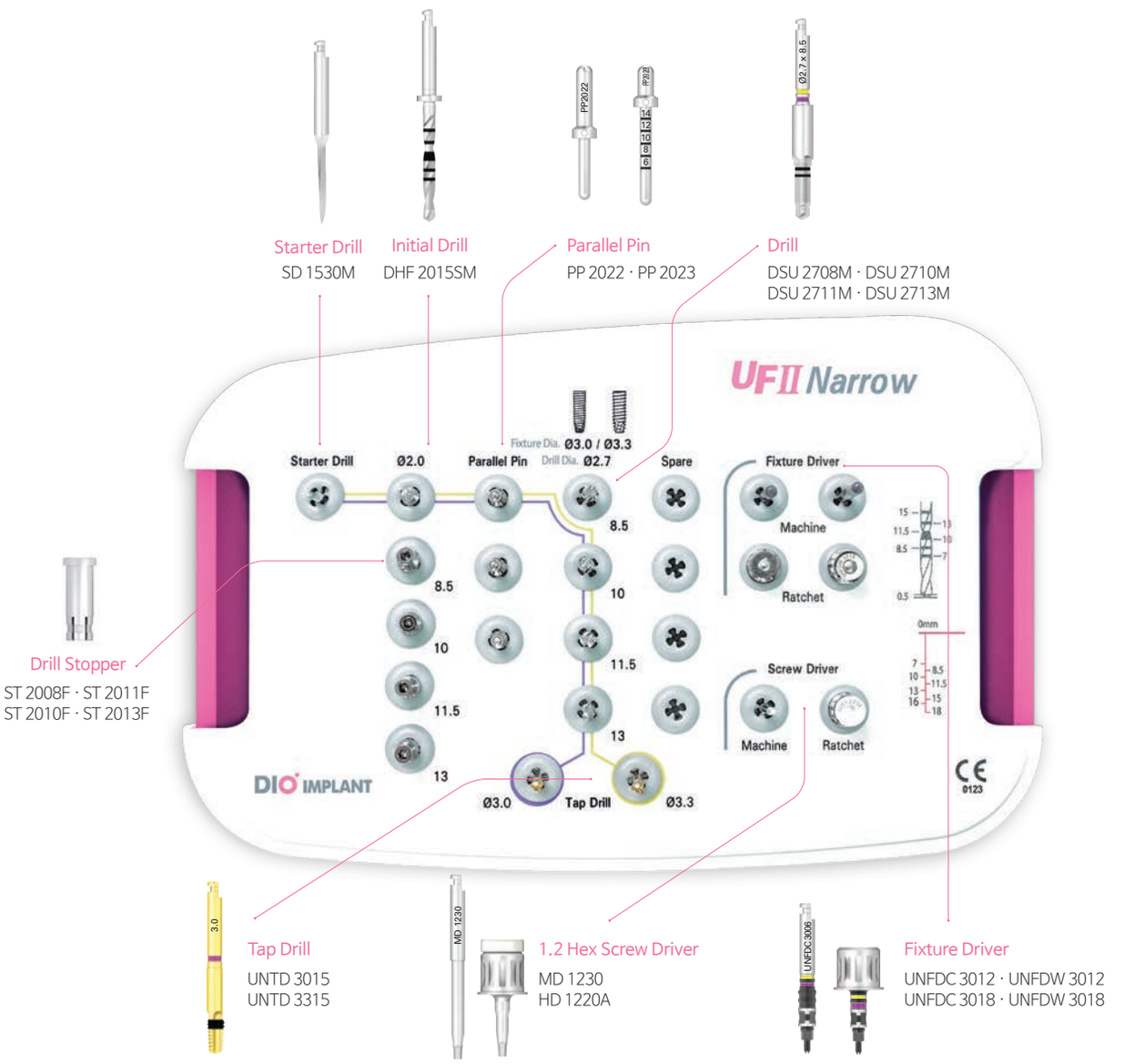


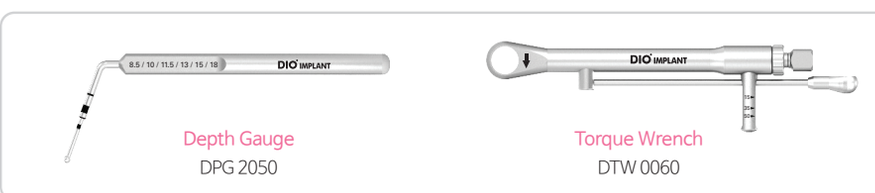
UFⅡ Narrow Kit

Kit Code I UF(M) 08

· Kit composed of drill with outstanding cutting force and durability, etc.
· UFⅡ Narrow Ø3.0 Ø3.3 Fixture

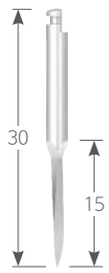
Unit mm I Drill Scale 1 : 0.9





Surgical Tool

Starter Drill

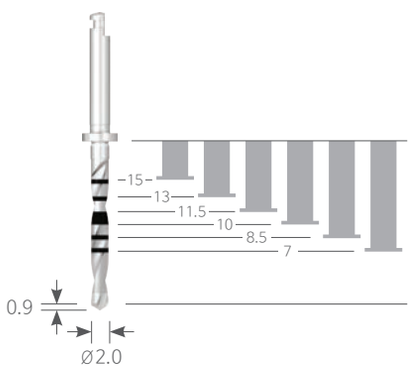


K

Unit mm I Scale 1 : 1.2

Code	SD **1530M**

Initial Drill



K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	DHF **2015SM**

Drill stopper

K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	ST **2013F**	ST **2011F**	ST **2010F**	ST **2008F**



Parallel Pin

K **D Ø2.0**

Unit mm I Scale 1 : 1

Code	PP **2022**	PP **2023**



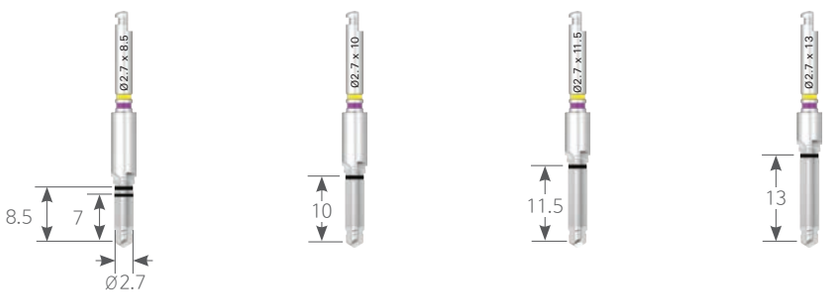
Surgical Tool

Drill

K **D Ø2.7**

Unit mm I Scale 1 : 1

Code	DSU **2708M**	DSU **2710M**	DSU **2711M**	DSU **2713M**



Tap Drill

K

Unit mm I Scale 1 : 1

Fixture Size	Ø**3.0**	Ø**3.3**
Code	UNTD **3015**	UNTD **3315**



Fixture Driver

· Maximum Tightening Torque : 50Ncm
· Drill lifespan : 20 oseotomies

● Sold separately

K

Unit mm I Scale 1 : 1

Type	Machine			Ratchet		
Code	UNFDC **3006**	UNFDC **3012**	UNFDC **3018**	UNFDW **3006**	UNFDW **3012**	UNFDW **3018**



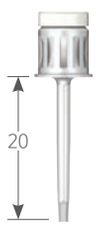
Screw Driver

K Hex **1.2**

Unit mm I Scale 1 : 1

Type	Machine	Ratchet
Code	MD **1230**	HD **1220A**





Solid Abutment Driver

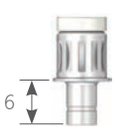
· Only use UFII Narrow Kit

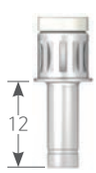
● Sold separately

K **D Ø4.0**

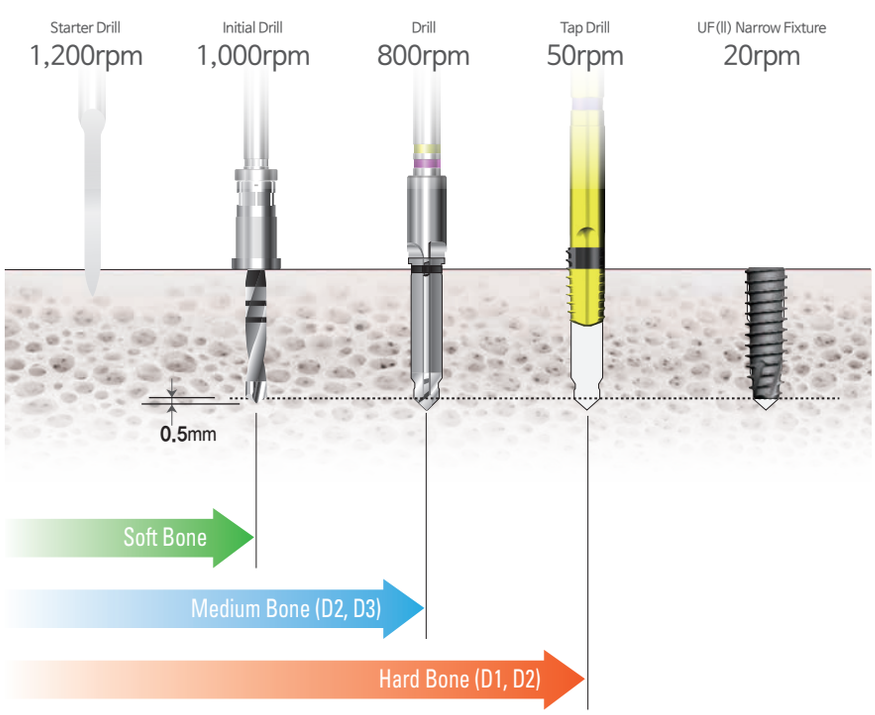
Unit mm I Scale 1 : 1

Length	6	12
Code	UNHDS **4006A**	UNHDS **4012A**

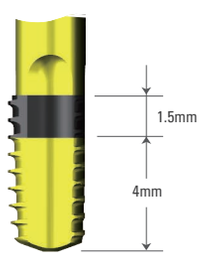




Surgical Protocol



Tap Drill



· Tightening torque : 20~40Ncm
Maximum tightening torque : 50Ncm

UFⅡ Wide Kit

Kit Code I UF 09

· Kit composed of drill with outstanding cutting force and durability, etc.
· UFⅡ Wide Ø5.9 Ø6.4 Ø6.9 Fixture

Unit mm I Drill Scale 1 : 0.9



Trephine Drill

TRD 4739
TRD 5244
TRD 5749



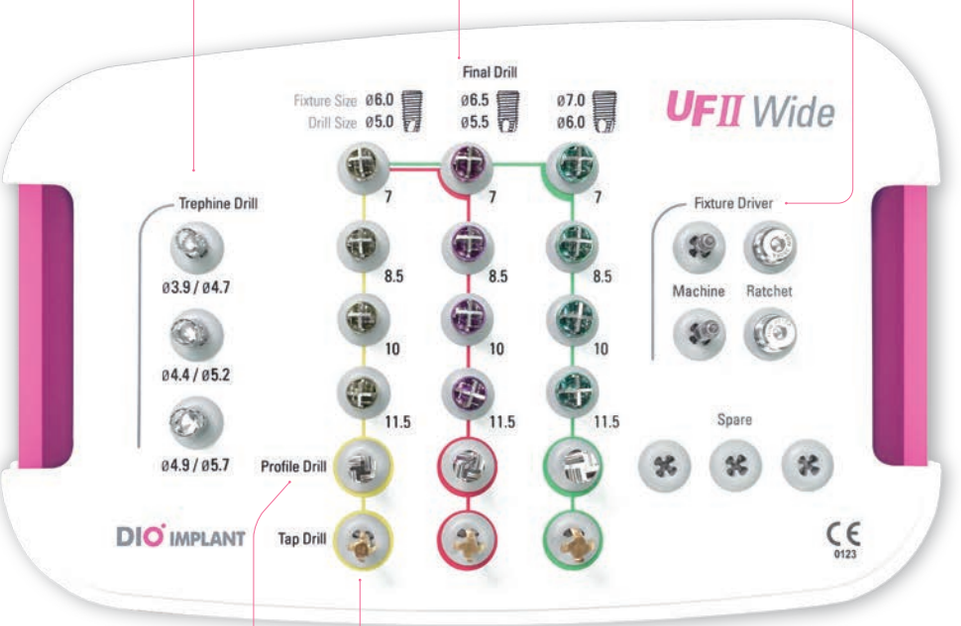
Final Drill

DSU 5007 · DSU 5507 · DSU 6007
DSU 5008 · DSU 5508 · DSU 6008
DSU 5010 · DSU 5510 · DSU 6010
DSU 5011 · DSU 5511 · DSU 6011



Fixture Driver

FDC 3506 · FDW 3506A
FDC 3512 · FDW 3512A





Profile Drill

UPD6010 · UPD6510 · UPD7010



Tap Drill

UT(II) 6006 · UT(II) 6506 · UT(II) 7006

Surgical Tool

Trephine Drill



Scale 1 : 1.15

K

Unit mm I Scale 1 : 1

Code	TRD **4739**	TRD **5244**	TRD **5749**
			
Diameter 1	Ø3.9	Ø4.4	Ø4.9
Diameter 2	Ø4.7	Ø5.2	Ø5.7

Profile Drill



Scale 1 : 1.15

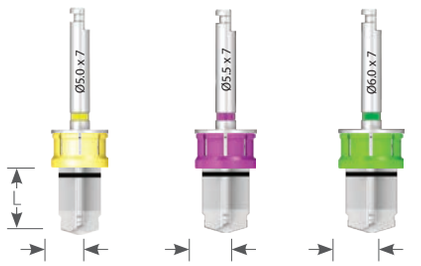
K

Unit mm I Scale 1 : 1

Fixture Size	Ø**6.0**	Ø**6.5**	Ø**7.0**
Code	UPD **6010**	UPD **6510**	UPD **7010**
			
Color			

Surgical Tool

Final Drill



Scale 1 : 1.15

Color	●	●	●
Stopper	ST 5504	ST 6004	ST 6504

● Sold separately

Unit mm I Scale 1 : 1

K D Ø5.0

Code	DSU 5007	DSU 5008	DSU 5010	DSU 5011	DSU 5013	DSU 5015
						
Length	7	8.5	10	11.5	13	15

K D Ø5.5

Code	DSU 5507	DSU 5508	DSU 5510	DSU 5511	DSU 5513	DSU 5515
						
Length	7	8.5	10	11.5	13	15

K D Ø6.0

Code	DSU 6007	DSU 6008	DSU 6010	DSU 6011	DSU 6013	DSU 6015
						
Length	7	8.5	10	11.5	13	15

Tap Drill

K

Unit mm I Scale 1 : 1

Fixture Size	Ø6.0	Ø6.5	Ø7.0
Code	UT(II) **6006**	UT(II) **6506**	UT(II) **7006**
Color			



Fixture Driver

● Sold separately

K

Unit mm I Scale 1 : 1

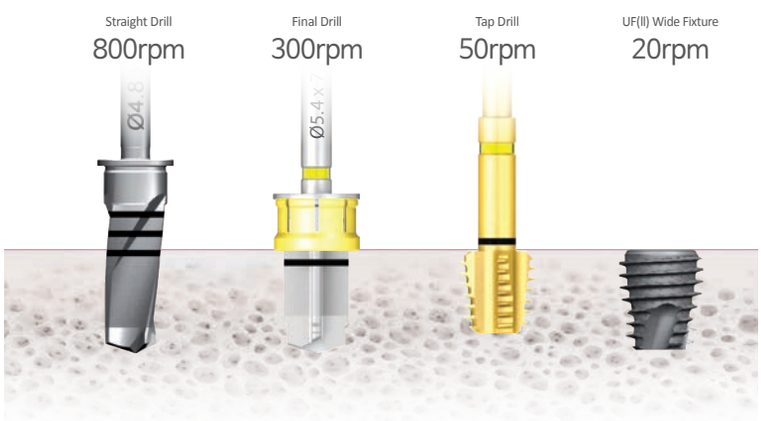
Type	Machine			Ratchet		
Code	FDC **3506**	FDC **3512**	FDC **3518**	FDW **3506A**	FDW **3512A**	FDW **3518A**



Surgical Protocol

Fixture Length 7mm

Extraction Socket &
Replace failed Implant



DIO IMPLANT

www.dioimplant.com

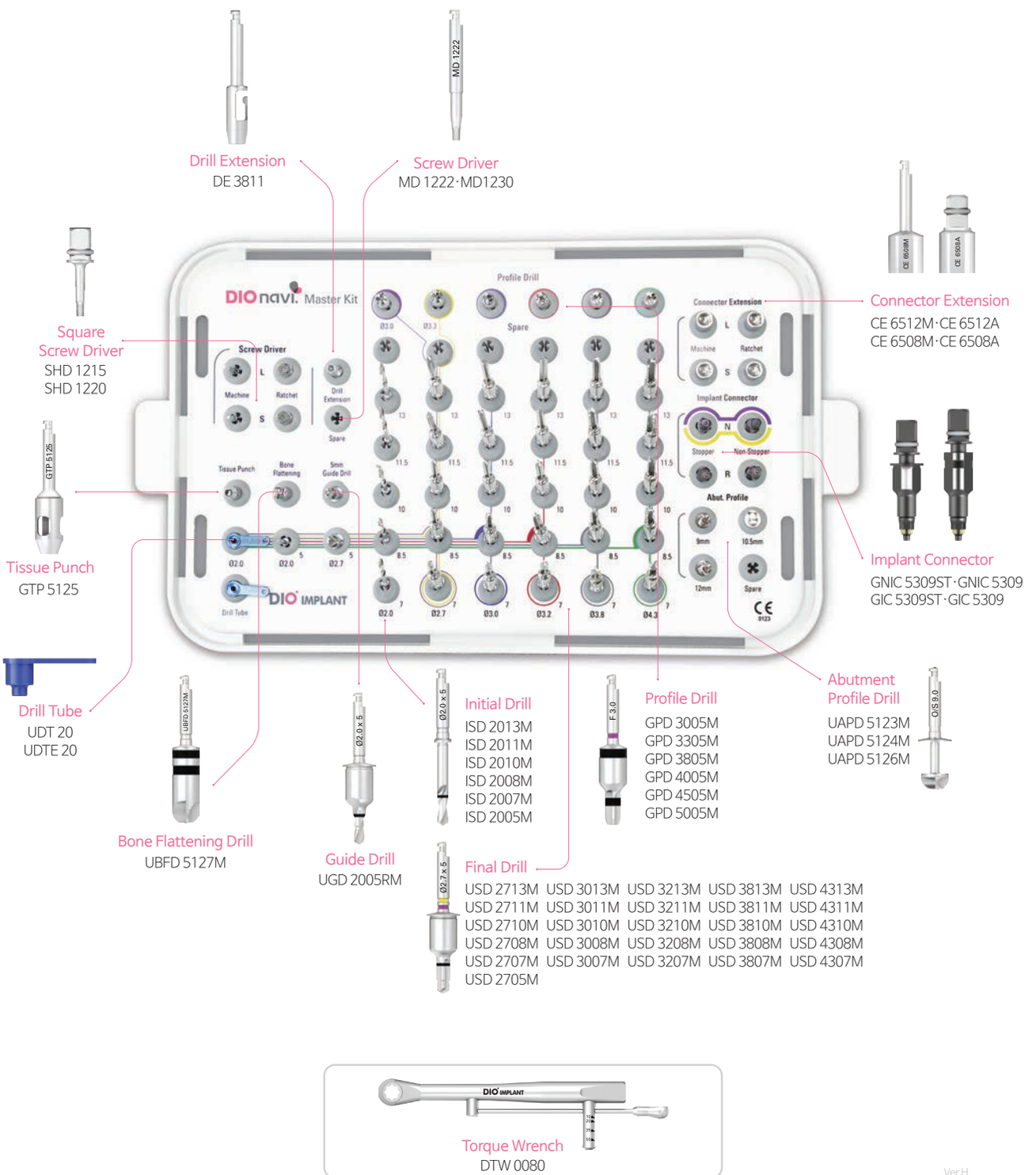
DIOnavi. Kit

DIOnavi. Master Kit

Kit Code I UF(M) 05

· Kit composed of drill with outstanding cutting force and durability, etc.
· UFⅡ Narrow Ø3.0 Ø3.3 UF(II) Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Ø5.5 Fixture
· Guide Sleeve : GS 53

Unit mm I Drill Scale 1 : 0.9



Ver H

Surgical Tool

Tissue Punch

· Gingiva can be removed stably using a fixed blade inside the punch.
(Flapless Surgery)



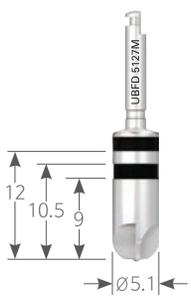
K **D Ø3.0**

Unit mm I Scale 1 : 1

Code	GTP **5125**

Bone Flattening Drill

· Remaining gingiva is removed for easier drilling,
and irregular alveolar crest is flattened.



K **D Ø5.1**

Unit mm I Scale 1 : 1

Code	UBFD **5127M**

Guide Drill

· A hole on the bone is initially formed
on the bone for easier insertion of the initial drill.



K **D Ø2.0** Length **5**

Unit mm I Scale 1 : 1

Code	UGD **2005RM**

Drill Extension

· Length is extended 15.5mm by connecting to the drill.



K Length **11**

Unit mm I Scale 1 : 1

Code	DE **3811**

Surgical Tool

Drill Tube

· To fix the guide drill and the initial drill without shakage.



● Sold separately

K

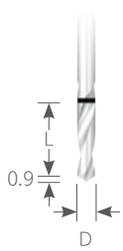
Unit mm I Scale 1 : 1

Code	UDT **20**	UDTE **20**	UDTL **20**



Initial Drill

· A placement hole(osteotomy site) is formed on the cortical bone.

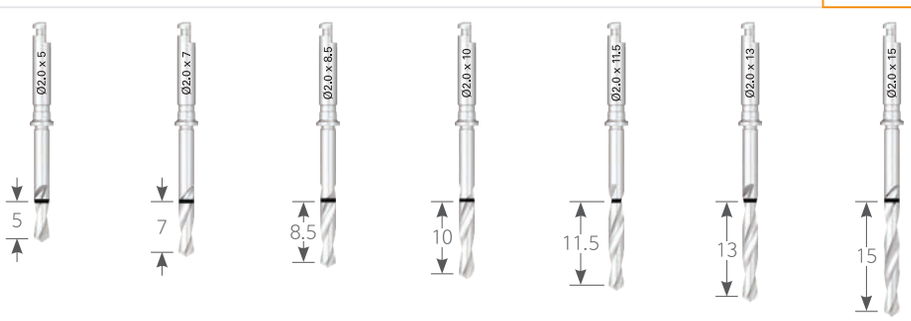


● Sold separately

K **D Ø2.0**

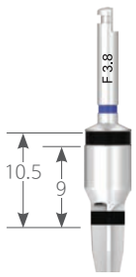
Unit mm I Scale 1 : 1

Code	ISD **2005M**	ISD **2007M**	ISD **2008M**	ISD **2010M**	ISD **2011M**	ISD **2013M**	ISD **2015M**



Profile Drill

· The cortical bone is further drilled in D1 and D2 bones,
and excessive placement torque is prevented.



K

Unit mm I Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Code	GPD **3005M**	GPD **3305M**	GPD **3805M**	GPD **4005M**	GPD **4505M**	GPD **5005M**



Color

Bone Profile Drill

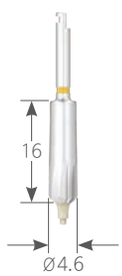
· When connecting abutment (healing) after implant placement, It is necessary to contour the bone
for proper seating of the abutments. (to contour bone to allow for a wider emergence profile restoration)
· To flatten and remove bone that has grown around or over an implant which impedes its restoration.
(When use a Abutment(with Healing Abutment)

● Sold separately

K

Unit mm I Scale 1 : 1

Type	Narrow	Regular
Code	BPD **4616GN**	BPD **5608G**

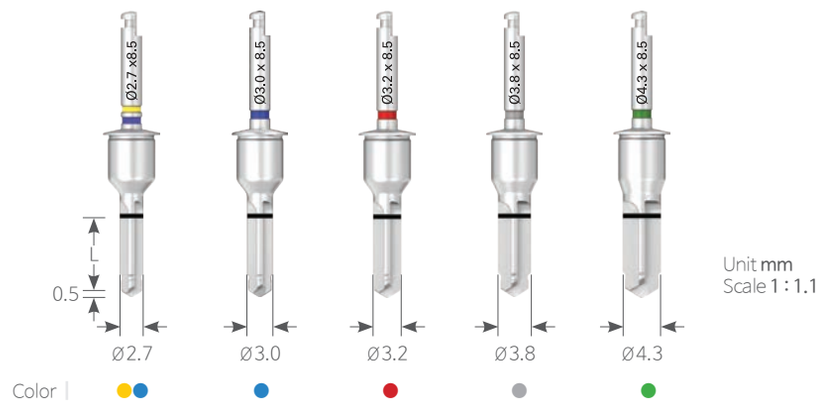




Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



● Sold separately

K D Ø2.7

Unit mm I Scale 1 : 1

Code	USD 2705M	USD 2707M	USD 2708M	USD 2710M	USD 2711M	USD 2713M	USD 2715M
Length	5	7	8.5	10	11.5	13	15



K D Ø3.0

Unit mm I Scale 1 : 1

Code	USD 3005M	USD 3007M	USD 3008M	USD 3010M	USD 3011M	USD 3013M	USD 3015M
Length	5	7	8.5	10	11.5	13	15



● Sold separately

K D Ø3.2

Unit mm I Scale 1 : 1

Code	USD 3205	USD 3207M	USD 3208M	USD 3210M	USD 3211M	USD 3213M	USD 3215M
	Ø3.2 x 5	Ø3.2 x 7	Ø3.2 x 8.5	Ø3.2 x 10	Ø3.2 x 11.5	Ø3.2 x 13	Ø3.2 x 15
Length	5	7	8.5	10	11.5	13	15

K D Ø3.8

Unit mm I Scale 1 : 1

Code	USD 3805	USD 3807M	USD 3808M	USD 3810M	USD 3811M	USD 3813M	USD 3815M
	Ø3.8 x 5	Ø3.8 x 7	Ø3.8 x 8.5	Ø3.8 x 10	Ø3.8 x 11.5	Ø3.8 x 13	Ø3.8 x 15
Length	5	7	8.5	10	11.5	13	15

K D Ø4.3

Unit mm I Scale 1 : 1

Code	USD 4305	USD 4307M	USD 4308M	USD 4310M	USD 4311M	USD 4313M	USD 4315M
	Ø4.3 x 5	Ø4.3 x 7	Ø4.3 x 8.5	Ø4.3 x 10	Ø4.3 x 11.5	Ø4.3 x 13	Ø4.3 x 15
Length	5	7	8.5	10	11.5	13	15

Surgical Tool

Tap Drill

· Excessive implant placement torque is prevented.
· Ø3.0/Ø3.3 : Uses 5.3 Sleeve (GS 53BL: Blue)

● Sold separately

K

Unit mm I Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Code	GNTD **3015**	GNTD **3315**	GTD **3815**	GTD **4015**	GTD **4515**	GTD **5015**



Color

Abutment Profile Drill

· The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K

Unit mm I Scale 1 : 1

Code	UAPD **5123M**	UAPD **5124M**	UAPD **5126M**



Offset | 9 | 10.5 | 12

Connector Extension

· Length of the connector is extended during implant placement.

K

Unit mm I Scale 1 : 1

Code	CE **6508A**	CE **6508M**	CE **6512A**	CE **6512M**



Type | Ratchet | Machine | Ratchet | Machine

Implant Connector

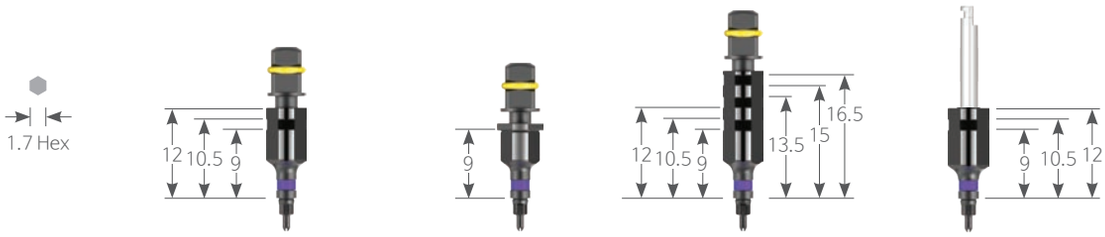
· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
· Recommended use of UF(II) Narrow : 20 times / Be careful about excessive torque of 50Ncm or above.

● Sold separately

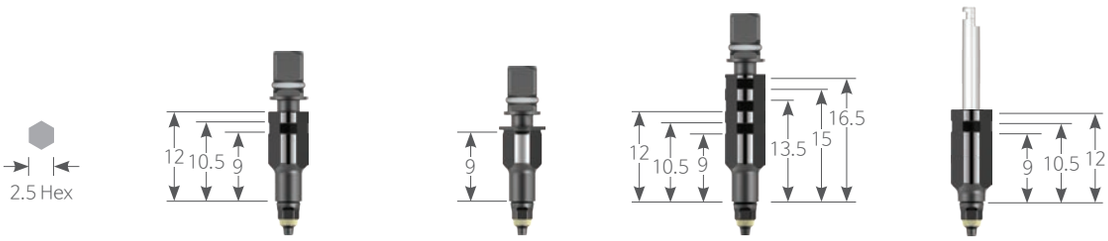
K

Unit mm | Scale 1 : 1

Fixture Size	Rachet			Machine
Code	Non-Stopper	Stopper	Multi	Non-Stopper



UF Ⅱ **Narrow** | GNIC **5309** | GNIC **5309ST** | GNIC **5317** | GNICC **5309**



UF Ⅱ **Regular** | GIC **5309** | GIC **5309ST** | GIC **5317** | GICC **5309**



UF Ⅱ **Wide** | GWIC **6808** | GWIC **6808ST** | - | GWICC **6808**

Surgical Tool

Screw Driver

K Hex **1.2**

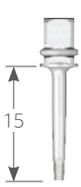
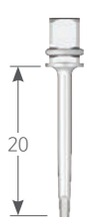
Unit mm I Scale 1 : 1

Code	MD **1222**	MD **1230**
		
Type	Machine	Machine

Sqaure Screw Driver

K Hex **1.2**

Unit mm I Scale 1 : 1

Code	SHD **1215**	SHD **1220**
		
	Ratchet	Ratchet

Torque Wrench

· To place the fixture using an implant connector



K

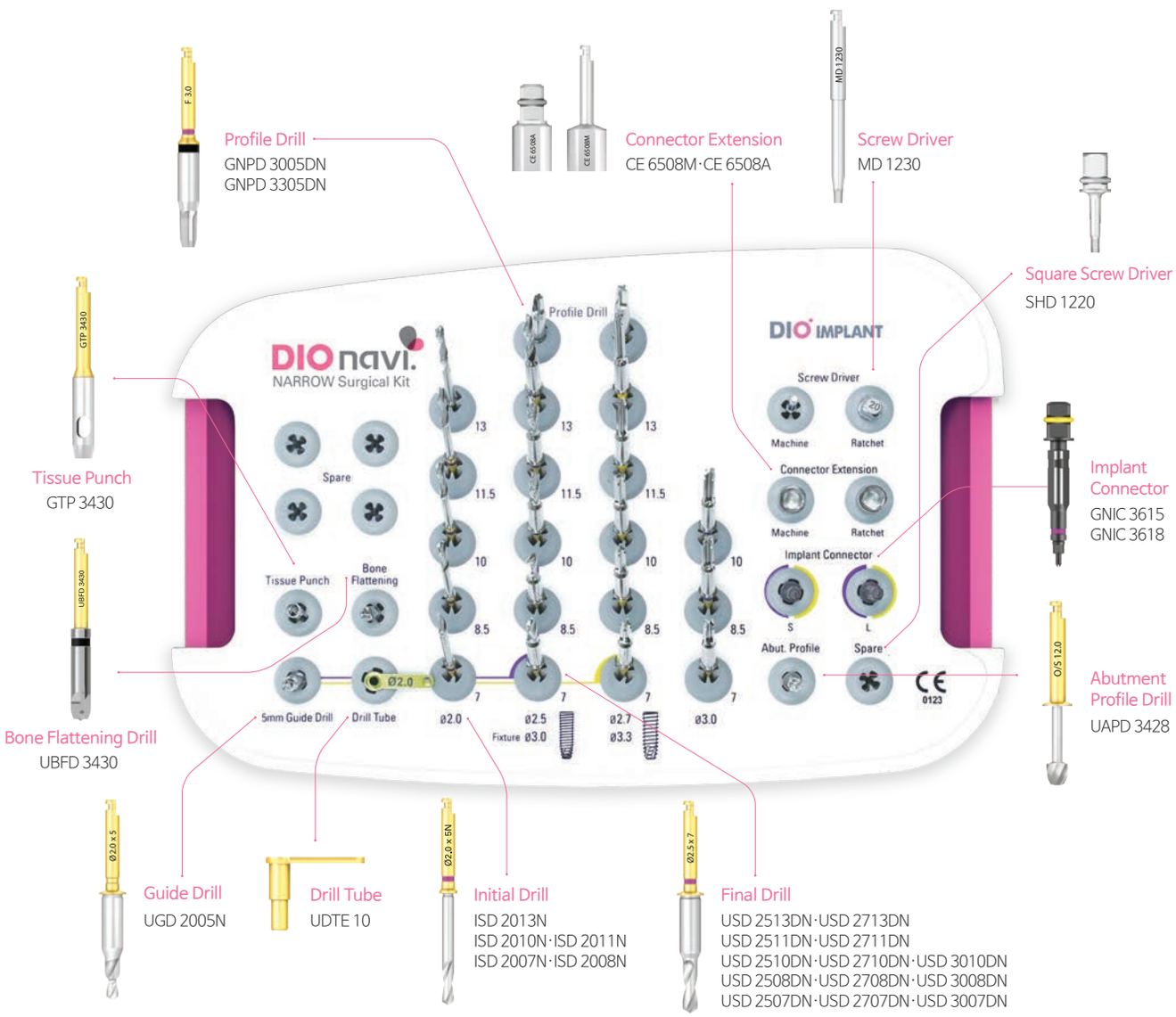
Code	DTW **0080**

DIOnavi. Narrow Kit

Kit Code I UF 14

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3 Fixture
· Guide Sleeve : GSL 36, GS36

Unit mm I Drill Scale 1 : 0.9



Profile Drill
GNPD 3005DN
GNPD 3305DN

Connector Extension
CE 6508M·CE 6508A

Screw Driver
MD 1230

Square Screw Driver
SHD 1220

Tissue Punch
GTP 3430

Implant Connector
GNIC 3615
GNIC 3618

Bone Flattening Drill
UBFD 3430

Abutment Profile Drill
UAPD 3428

Guide Drill
UGD 2005N

Drill Tube
UDTE 10

Initial Drill
ISD 2013N
ISD 2010N·ISD 2011N
ISD 2007N·ISD 2008N

Final Drill
USD 2513DN·USD 2713DN
USD 2511DN·USD 2711DN
USD 2510DN·USD 2710DN·USD 3010DN
USD 2508DN·USD 2708DN·USD 3008DN
USD 2507DN·USD 2707DN·USD 3007DN



Torque Wrench
DTW 0080

Surgical Tool

Tissue Punch

· Gingiva in the position of implant placement is incised into a round shape, and the inner double blade is used to remove the gum tissue cut into round shape.



Double blade
Gingiva can be removed stably using a fixed double blade inside the punch (flapless surgery).

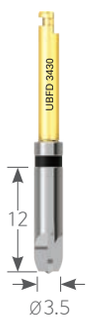
K D Ø2.8

Unit mm I Scale 1 : 1.15

Code	GTP **3430**

Bone Flattening Drill

· Alveolar crest surface is flattened, and soft tissue remaining in the alveolar crest is removed after using the tissue punch.



Triple blade
A triple plade is used for stable drilling of the hard alveolar ridge.

K D Ø3.5

Unit mm I Scale 1 : 1.15

Code	UBFD **3430**

Guide Drill

· A hole in the bone is initially formed on the bone for easier insertion of the initial drill.



Double stepped drill
Stable drilling can be done due to short double step drill. This is a basic drill to maintain the accuracy of the path.

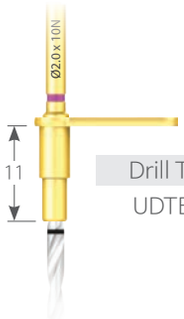
K D Ø2.0

Unit mm I Scale 1 : 1.15

Code	UGD **2005N**

Initial Drill

· It secures accurate depth and direction of drilling performed after achieving accurate hole formation during the initial steps.



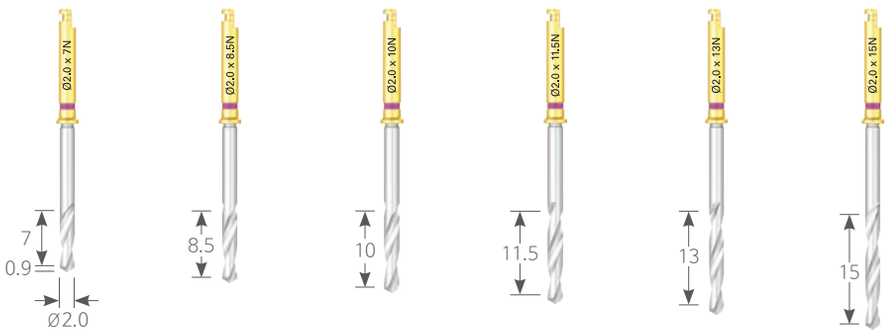
Drill Tube
UDTE **10**

● Sold separately

K **D Ø2.0**

Unit mm I Scale 1 : 1

Code	ISD **2007N**	ISD **2008N**	ISD **2010N**	ISD **2011N**	ISD **2013N**	ISD **2015N**



Drill Tube

· To fix the guide drill and the initial drill without shakage.



K

Unit mm I Scale 1 : 1.15

Code	UDTE **10**

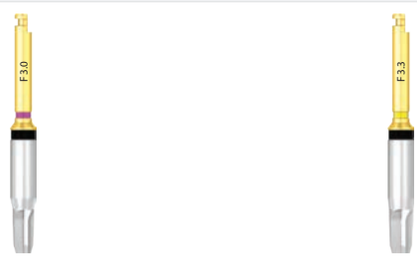
Profile Drill

· Used to further drill cortical bone in the mandible with bone density of D1 or D2 for the purpose of preventing excessive torque.

K

Unit mm I Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3
Code	GNPD **3005DN**	GNPD **3305DN**



Color

Surgical Tool

Final Drill

· Drilling is done by moving down along the passage of leading drill without using a drill tube, while increasing drill size (diameter) according to implant size.

● Sold separately

K D Ø2.5

Unit mm I Scale 1 : 1

Code	USD 2507DN	USD 2508DN	USD 2510DN	USD 2511DN	USD 2513DN	USD 2515DN
Length	7	8.5	10	11.5	13	15



K D Ø2.7

Unit mm I Scale 1 : 1

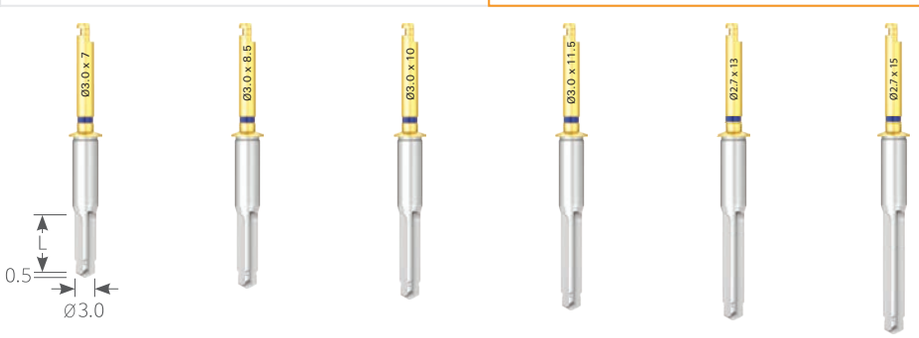
Code	USD 2707DN	USD 2708DN	USD 2710DN	USD 2711DN	USD 2713DN	USD 2715DN
Length	7	8.5	10	11.5	13	15



K D Ø3.0

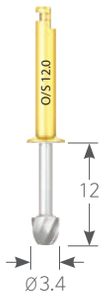
Unit mm I Scale 1 : 1

Code	USD 3007DN	USD 3008DN	USD 3010DN	USD 3011DN	USD 3013DN	USD 3015DN
Length	7	8.5	10	11.5	13	15



Abutment Profile Drill

· Shape of abutment profile is formed by rotating the functional drill 360 degrees which removes the disruptive alveolar bone around the abutment or H-Scanbody.



K **D Ø3.4**

Unit mm I Scale 1 : 1.15

Code	UAPD **3428**

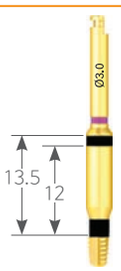
Tap Drill

· Uses 3.6 Sleeve (GSL 36YE : Yellow)

● Sold separately

K Hex **1.7**

Unit mm I Scale 1 : 1

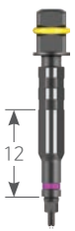
Code	GNTD **3018DN**	GNTD **3318DN**
		
Color		

Implant Connector

· If depth of placement and position of fixture hexagon are aligned with the guide sleeve projection during placement of the fixture, it is aligned with hex direction of the premade customized abutment.

K Hex **1.7**

Unit mm I Scale 1 : 1

Code	GNIC **3615**	GNIC **3618**
			
Type		Short	Long

Connector Extension

· Length of the connector is extended during implant placement.

● Sold separately

K

Unit mm I Scale 1 : 1.2

Code	CE **6508A**	CE **6508M**	CE **6512A**	CE **6512M**
				
Type	Ratchet	Machine	Ratchet	Machine

Surgical Tool

Screw Driver Machine

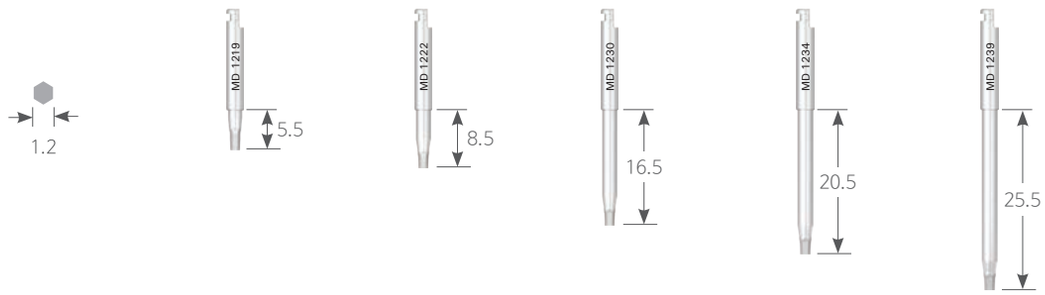
· Used to connect the abutment screw (for handpiece) using an abutment screw driver for ratchet.

● Sold separately

K Hex **1.2**

Unit **mm** I Scale **1 : 1**

Code	MD **1219**	MD **1222**	MD **1230**	MD **1234**	MD **1239**

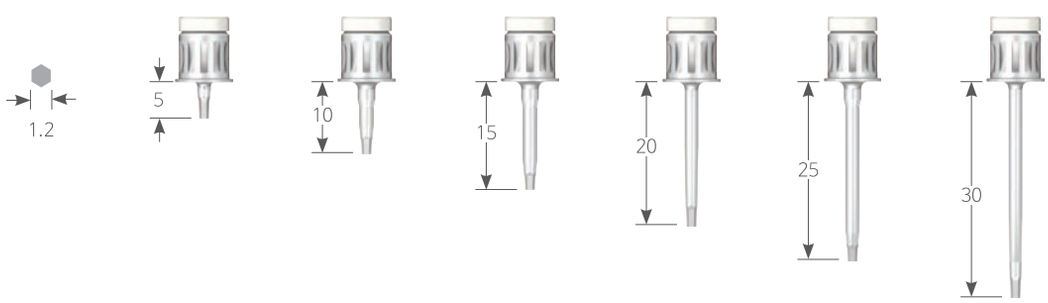


Screw Driver Ratchet

K Hex **1.2**

Unit **mm** I Scale **1 : 1**

Code	HD **1205A**	HD **1210A**	HD **1215A**	HD **1220A**	HD **1225A**	HD **1230A**



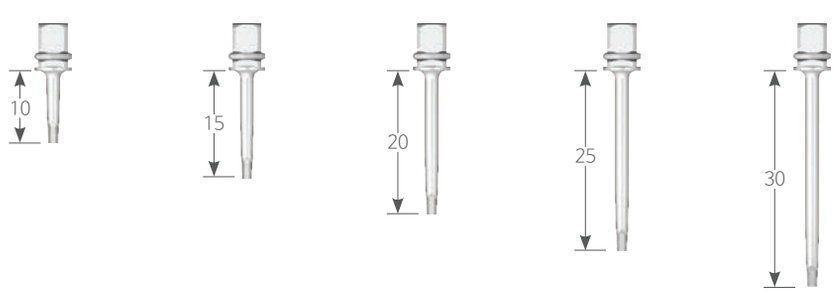
Square Screw Driver

● Sold separately

K Hex **1.2**

Unit **mm** I Scale **1 : 1**

Code	SHD **1210**	SHD **1215**	SHD **1220**	SHD **1225**	SHD **1230**

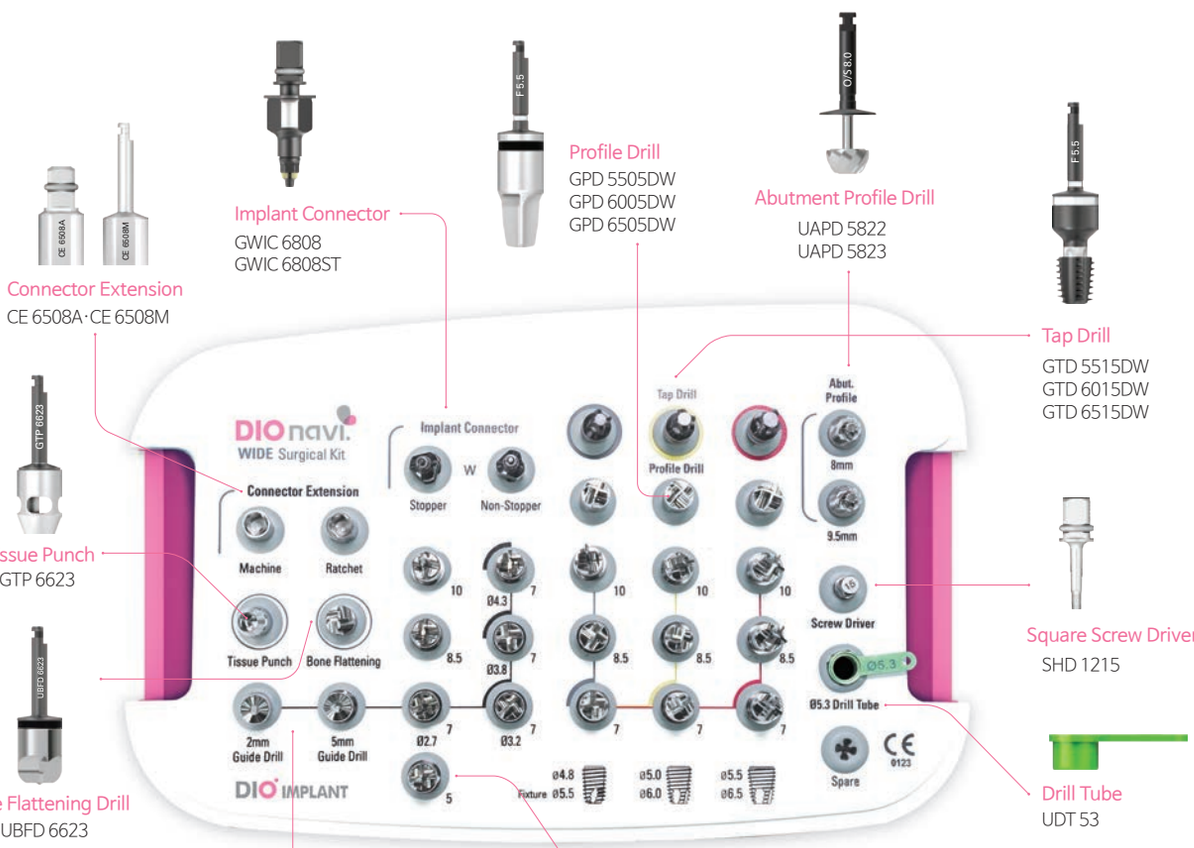


DIOnavi. Wide Kit

Kit Code I UF 11

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF Ⅱ Regular Ø5.5 / UF Ⅱ Wide Ø5.9 Ø6.4 Fixture
· Guide Sleeve : GS 68GN

Unit mm I Drill Scale 1 : 0.9





Ver D

Surgical Tool

Tissue Punch

· Gingiva can be removed stably using a fixed blade inside the punch



K **D Ø4.5**

Unit mm I Scale 1 : 1.15

Code	GTP **6623**

Bone Flattening Drill

· Irregular alveolar crest surface is flattened.



K

Unit mm I Scale 1 : 1.15

Code	UBFD **6623**

Drill Tube



K

Unit mm I Scale 1 : 1.2

Code	UDT **53**

Guide Drill

· A hole is initially formed on the bone for easier insertion of the initial drill.

K **D Ø2.0**

Unit mm I Scale 1 : 1

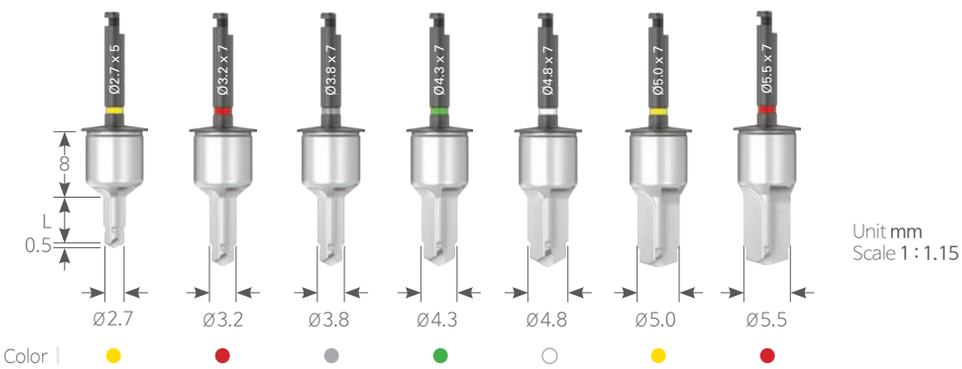
Code	UGD **2002W**	UGD **2005W**





Final Drill

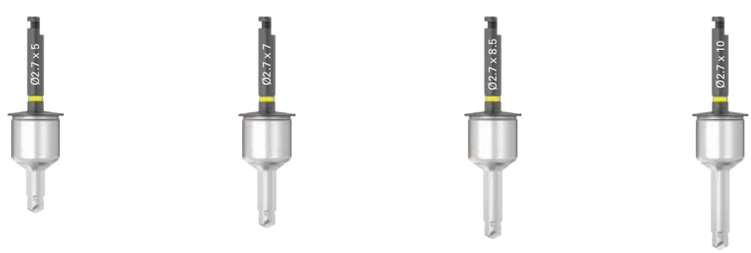
· The drill hole is expanded to the final drilling.



K D Ø2.7

Unit mm | Scale 1 : 1

Code	USD **2705DW**	USD **2707DW**	USD **2708DW**	USD **2710DW**



Length	5	7	8.5	10

K Length 7

Unit mm | Scale 1 : 1

Code	USD **3207DW**	USD **3807DW**	USD **4307DW**



Diameter	Ø3.2	Ø3.8	Ø4.3

Surgical Tool

K D Ø4.8

Unit mm I Scale 1 : 1

Code	USD **4807DW**	USD **4808DW**	USD **4810DW**
			
Length	7	8.5	10

K D Ø5.0

Unit mm I Scale 1 : 1

Code	USD **5007DW**	USD **5008DW**	USD **5010DW**
			
Length	7	8.5	10

K D Ø5.5

Unit mm I Scale 1 : 1

Code	USD **5507DW**	USD **5508DW**	USD **5510DW**
			
Length	7	8.5	10

Profile Drill

· Used to further drill cortical bone in the mandible with bone density of D1 or D2 for the purpose of preventing excessive torque

K

Unit mm I Scale 1 : 1

Fixture Size	Ø5.5	Ø6.0	Ø6.5
Code	GPD **5505DW**	GPD **6005DW**	GPD **6505DW**
			
Color	○	●	●

Tap Drill

· Excessive implant placement torque is prevented.

K

Unit mm I Scale 1 : 1

Fixture Size	Ø5.5	Ø6.0	Ø6.5
Code	GTD **5515DW**	GTD **6015DW**	GTD **6515DW**
			
Color	○	●	●

Connector Extension

· Length of the connector is extended during implant placement.

K

Unit mm I Scale 1 : 1.1

Code	CE **6508A**	CE **6508M**
		
Type	Ratchet	Machine

Surgical Tool

Abutment Profile Drill

· The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K **D Ø5.8**

Unit mm I Scale 1 : 1

Code	UAPD **5822**	UAPD **5823**
		
Offset	8	9.5

Implant Connector

· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
· Recommended use of UF(II) narrow: 20 times / Be careful about excessive torque of 50Ncm or above.

K

Unit mm I Scale 1 : 1

Code	GWIC **6808ST**	GWIC **6808**
		
Type	Stopper Type	Non-Stopper Type
Offset	8	8 / 9.5

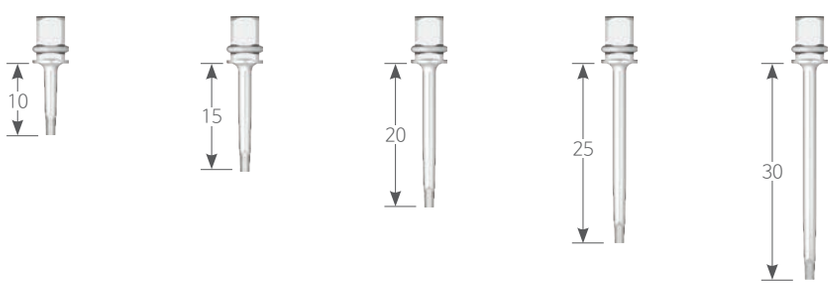
Square Screw Driver

● Sold separately

K Hex **1.2**

Unit mm I Scale 1 : 1

Code	SHD **1210**	SHD **1215**	SHD **1220**	SHD **1225**	SHD **1230**



DIOnavi. Flapless Crestal Sinus Kit

Kit Code I SMK 02

Unit mm I Drill Scale 1 : 0.9

Ø3.2 Drill Stopper

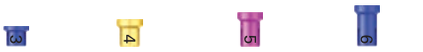


GST 03BL GST 04YE GST 05RD GST 06BL GST 07YE GST 08RD

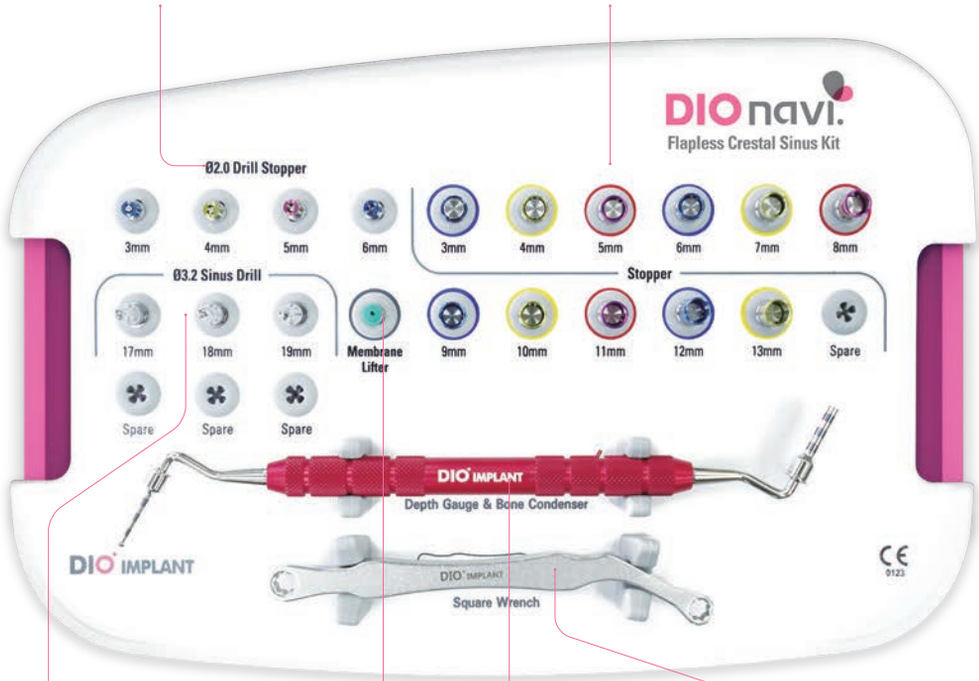


GST 09BL GST 10YE GST 11RD GST 12BL GST 13YE

Ø2.0 Drill Stopper



GST 2030BL GST 2040YE GST 2050RD GST 2060BL





Sinus Drill
GSRD 3217
GSRD 3218
GSRD 3219



Membrane Lifter
WML 6627



Square Wrench
DSW 050



Depth Gauge & Bone Condenser
GSDB 2619

Ver B

Surgical Tool

Ø2.0 Drill Stopper

· This is used to connect to the Ø2.0 initial drill of DIOnavi. Master to maintain constant depth during surgery.
· Range of length is 3~6mm with 1mm interval and anodizing and laser marking are done for each length.

K

Unit mm I Scale 1 : 1

Code	GST **2030BL**	GST **2040YE**	GST **2050RD**	GST **2060BL**



Sinus Drill

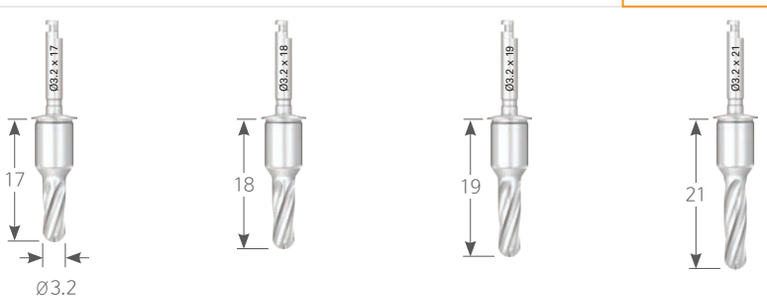
· Dome shaped tip is designed to prevent damaging of the membrane during drilling.
· Depth must be adjusted using a stopper.
· Non-irrigation and low-speed drilling (10rpm)

K **D Ø3.2**

● Sold separately

Unit mm I Scale 1 : 1

Code	GSRD **3217**	GSRD **3218**	GSRD **3219**	GSRD **3221**



Ø3.2 Drill Stopper For crestal approach

· This is used by connecting to the Ø3.2 round drill of Flapless Crestal Sinus Kit.
· Range of length is 3~13mm with 1mm interval to maintain constant depth during surgery.
Anodizing and laser marking are done for each length.

K

Unit mm I Scale 1 : 1

Code	GST **03BL**	GST **04YE**	GST **05RD**	GST **06BL**	GST **07YE**	GST **08RD**



Code	GST **09BL**	GST **10YE**	GST **11RD**	GST **12BL**	GST **13YE**



Depth Gauge & Bone Condenser

· After checking the thickness of the residual bone and whether the membrane is lifted, push in the bone into the lifted sinus.
· After separating the Guide, make sure to use it attaching the Stopper.

K

Unit mm

Code	GSDB **2619**



Membrane Lifter

K

Unit mm

Code	WML **6627**



Square Wrench

K

Unit mm

Code	DSW **050**



Sailine Tube

· Syringe ※ Separately sold product

K

● Sold separately
Unit mm

Code	MLT **40300**

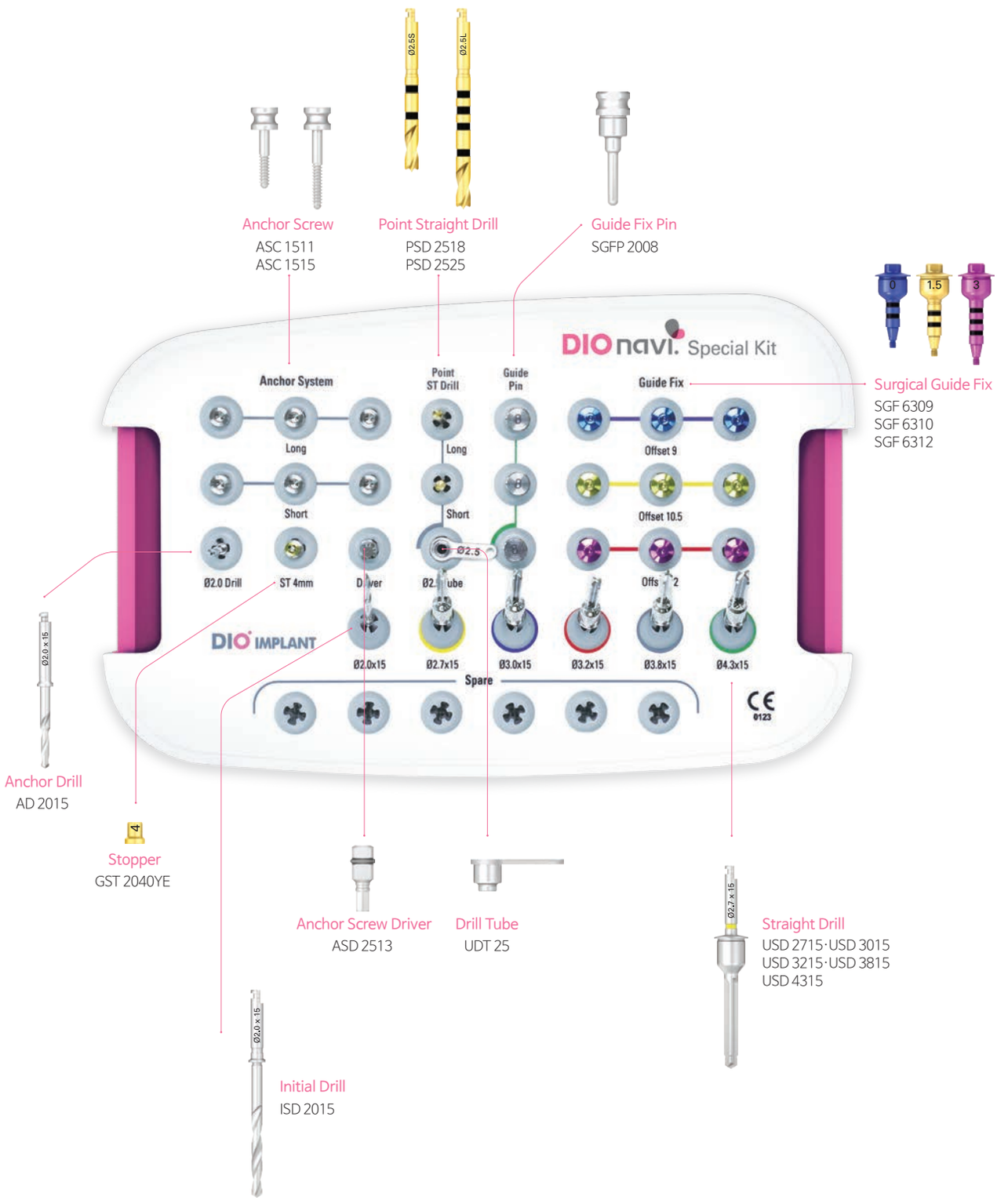


DIOnavi. Special Kit

Kit Code I SGF 02

· Kit composed of drill with outstanding cutting force and durability, etc.

Unit mm I Drill Scale 1 : 0.9



Anchor Screw
ASC 1511
ASC 1515

Point Straight Drill
PSD 2518
PSD 2525

Guide Fix Pin
SGFP 2008

Surgical Guide Fix
SGF 6309
SGF 6310
SGF 6312

Anchor Drill
AD 2015

Stopper
GST 2040YE

Anchor Screw Driver
ASD 2513

Drill Tube
UDT 25

Straight Drill
USD 2715·USD 3015
USD 3215·USD 3815
USD 4315

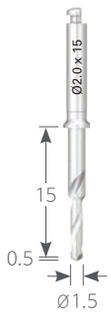
Initial Drill
ISD 2015

Ver B

Surgical Tool

Anchor Drill

· A hole is formed to insert an anchor pin into the bone for the purpose of fixating the surgical guide.



K **D Ø1.5**

Unit mm I Scale 1 : 1.15

Code	AD **2015**

Stopper

· This is used when connecting to the Ø2.0 initial drill.
· Constant depth is maintained during surgery.



K **D Ø2.9**

Unit mm I Scale 1 : 1.15

Code	GST **2040YE**

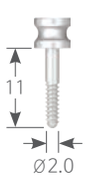
Anchor Screw

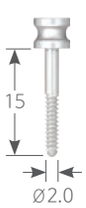
· Used to connect the anchor screw using an anchor screw driver for ratchet

K **D Ø2.0**

Unit mm I Scale 1 : 1

Code	ASC **1511**	ASC **1515**





Anchor Screw Driver

· Used to connect the anchor screw using an anchor screw driver for ratchet



K

Unit mm I Scale 1 : 1.15

Code	ASD **2513**

Surgical Tool

Initial Drill



K D Ø2.0

Unit mm I Scale 1 : 1.15

Code	ISD **2015**

Point Straight Drill

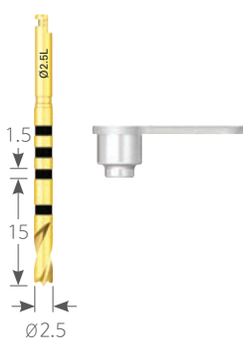
· Use of a drill tube (UDT 25) exclusive for the instrument (with a shape that prevents slipping on the bone) to form the guide hole in accurate position

K D Ø2.5

Unit mm I Scale 1 : 1

Code	PSD **2518**	PSD **2525**

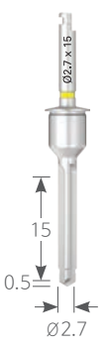




Straight Drill

K Length **15**

Unit **mm** I Scale **1 : 1**

Code	USD **2715**	USD **3015**	USD **3215**	USD **3815**	USD **4315**
					
Color					

Guide Fix Pin

· Used after Ø2.0 drilling to insert a surgical guide fix pin into the hole to fix the surgical guide in place and prevent shaking (side shaking is prevented after fixing)



K

Unit **mm** I Scale **1 : 1.15**

Code	SGFP **2008**

Surgical Guide Fix

· Used to fix the surgical guide in place and prevent movement by connecting to the fixture placed earlier (side shaking is prevented after fixing)

K

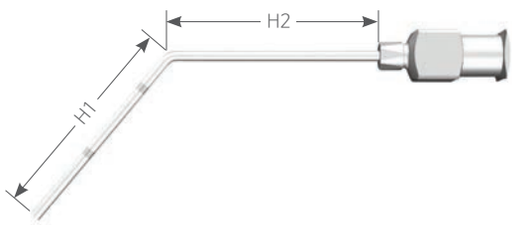
Unit **mm** I Scale **1 : 1**

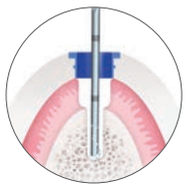
Code	SGF **6309**	SGF **6310**	SGF **6312**
			
Offset	9	10.5	12

Surgical Tool

Metal Needle

· Place the Metal needle tip deep into the osteotomy site, in order to prevent any damage caused by over-heating of the bone and complete removal of remaining tissues and particles at drilled bone cavity.
· Recommended capacity of the syringe : 30~50cc (Refrigerate before surgery)





O
Place the metal needle tip deep into the osteotomy site.



X
With the needle tip not all the way down to osteotomy it is hard to irrigate

● Sold separately

K

Unit mm I Scale 1 : 1.15

Code	MNTE	MNTL
Height 1	30	25
Height 2	50	25

DIOnavi. Drill Plate

· To increase efficiency and convenience of sterilizing drills and restoring them into the KIT set after DIOnavi. Surgery
· Sterilizable material
· Size : 200×140×30(mm)
※ Non-medical devices



● Sold separately

K

Unit mm

Code	NP 01

Surgical Kit

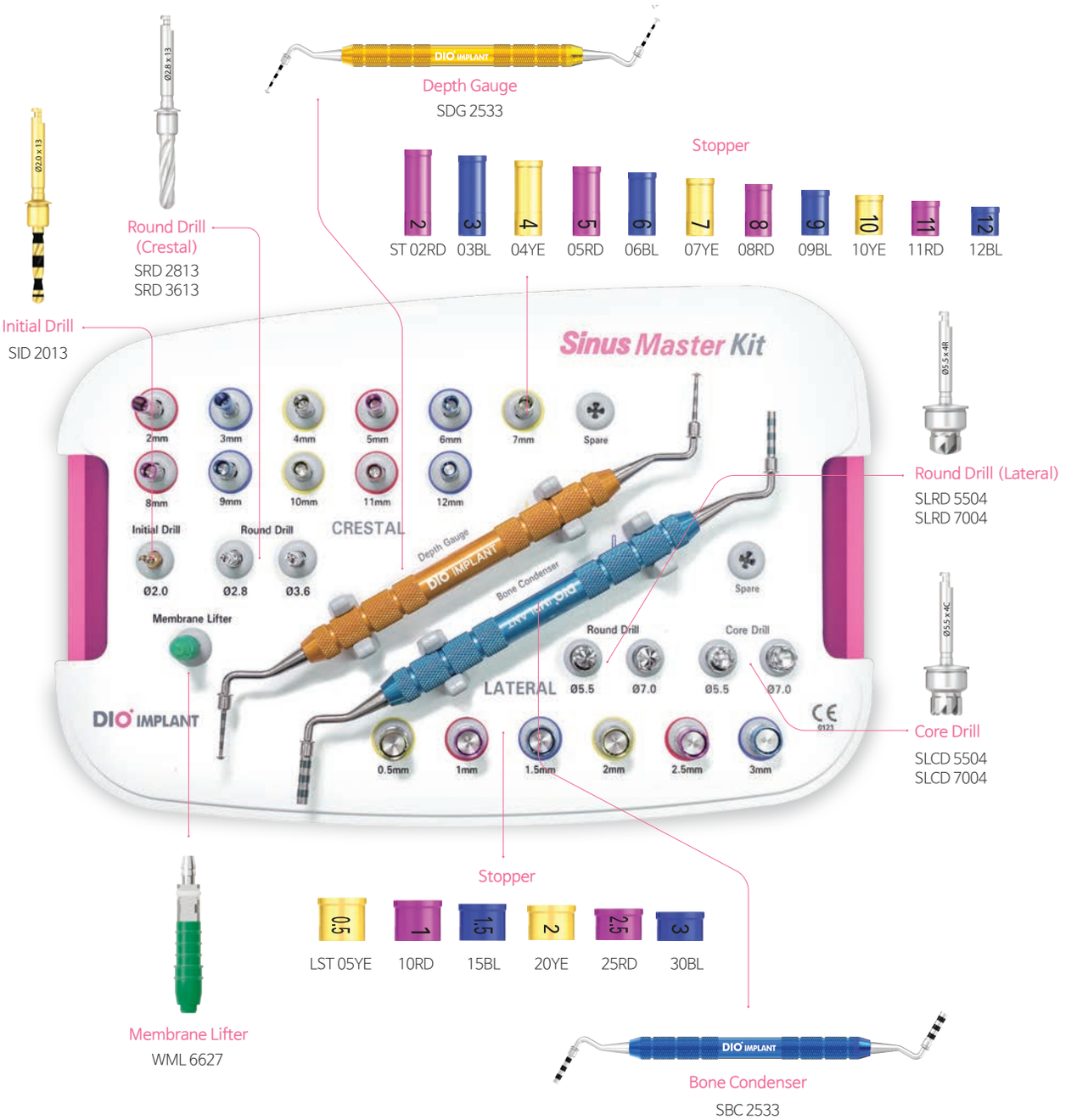
Sinus Master Kit

Kit Code I SMK 01

· **Crestal Approach Technic**
Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane safely and quickly

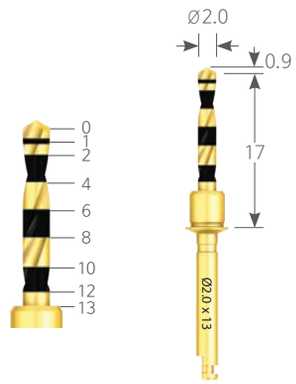
· **Lateral Approach Technic**
Round drill or core drill can be selected. The membrane can be lifted safely and quickly based on low-speed drilling (50~100rpm) and stopper.

Unit mm I Drill Scale 1 : 0.9



Surgical Tool Crestal

Ø2.0 Intial Drill



K **D Ø2.0**

Unit mm I Scale 1 : 1.2

Code	SID **2013**

Round Drill



K Length **13**

Unit mm I Scale 1 : 1.2

Code	SRD **2813**	SRD **3613**

Stopper

· Stopper must be used for adjusting depth of the drill. It is distinguished by color and number.

K

Unit mm I Scale 1 : 1

Code	ST02RD	03BL	04YE	05RD	06BL	07YE	08RD	09BL	10YE	11RD	12BL
Drilling Length	2	3	4	5	6	7	8	9	10	11	12
Stopper Length	15	14	13	12	11	10	9	8	7	6	5



Surgical Tool Crestal

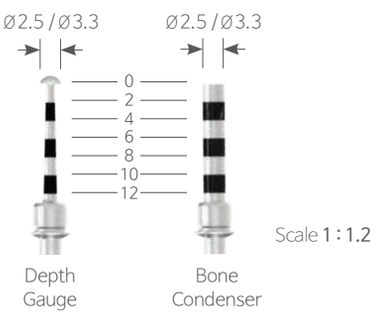
Membrane Lifter



K

Unit mm I Scale 1 : 1.2

Code	WML 6627



Depth Gauge

K

Unit mm

Code	SDG 2533



Bone Condenser

K

Unit mm

Code	SBC 2533



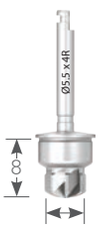
Surgical Tool Lateral

Round Drill

K

Unit mm I Scale 1 : 1

Code	SLRD **5504**	SLRD **7004**



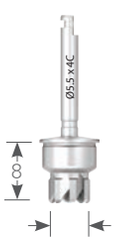


Core Drill

K

Unit mm I Scale 1 : 1

Code	SLCD **5504**	SLCD **7004**





Stopper

· Stopper must be used for adjusting depth of the drill. It is distinguished by color and number.

K

Unit mm I Scale 1 : 1

Code	LST 05YE	10RD	15BL	20YE	25RD	30BL
						
Drilling Length I	0.5	1	2	1.5	2.5	3
Stopper Length I	7.5	7	6	6.5	5.5	5

Surgical Protocol

Lateral Approach Technic

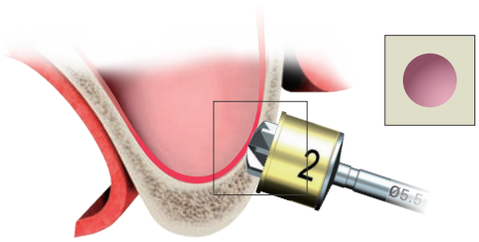
· Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane safely and quickly

Drilling Round Drill

Rounded tip to perform drilling

Caution

The stopper must be used. Irrigation at 1,200~1,400rpm

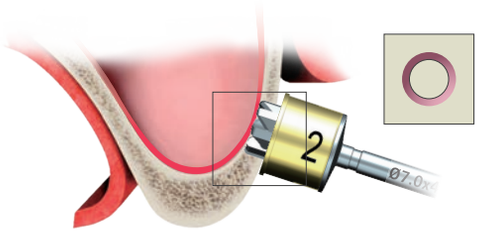


Drilling Core Drill

The edge of the rounded tip only can perform drilling
Beware of the remaining bone chips returning to original position after lifting of the maxillary sinus.

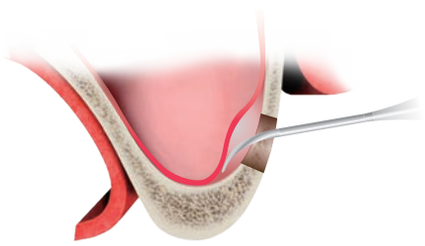
Caution

The stopper must be used. Irrigation at 600~800rpm



Lifting of the sinus membrane Sinus Lift

Lifting of the membrane on the lateral side



Crestal Approach Technic

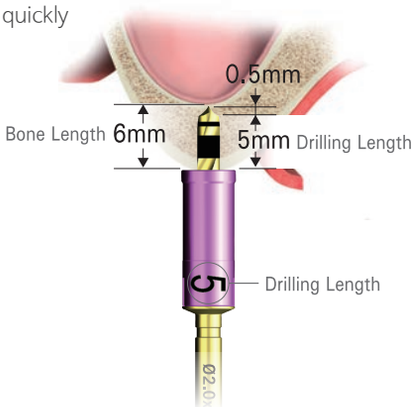
· Sinus Technic based on low-speed drilling (50~100rpm) and
stopper that perforates the inferior cortical wall and lifts the membrane safely and quickly

Drilling Initial Drill

Drilling is done 1~2mm short from the floor of the maxillary sinus measured by CT after attaching a stopper.

Caution

The stopper must be used to adjust depth.
Non-irritation and low-speed drilling at 50rpm

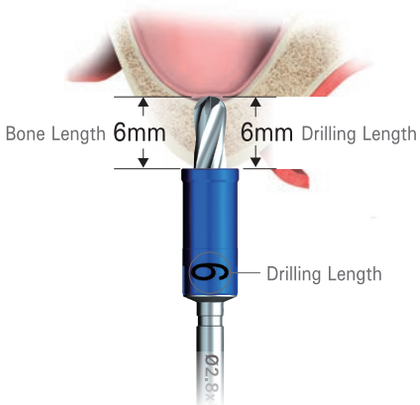


Sinus drill to perforate the bone underneath the maxillary sinus

Drilling is done to the same length as height of the residual bone of the maxillary sinus measured on CT after attaching a stopper.

Caution

The stopper must be used to adjust depth.
Non-irritation and low-speed drilling at 50rpm



Membrane lifter to lift the sinus membrane

The membrane lifter is used to inject saline solution into the osteotomy site.

Caution

Amount of injection measurement starts when pressure is felt, excluding the first 0.2cc~0.5cc before pressure is applied.

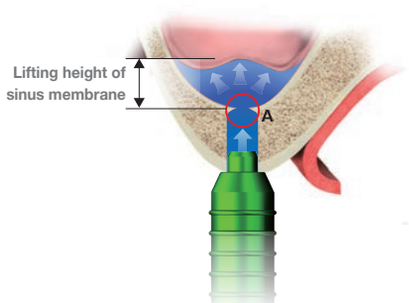
※ Amount of injection before pressure can differ according to height and expansion of the bone. For 1mm of sinus lifted, 0.1cc is injected.

Caution

If inferior border (A) of the maxillary sinus is well open
If pressure can be felt during injection of saline solution,
the membrane is lifted and the pressure drops and saline solution injected.

If inferior border (A) of the maxillary sinus is not open well
After pressure felt from injection of saline solution,
no more pressure can be applied or the nozzle is pushed out.
→ Drill the sinus drill 1mm deeper and retry.

Aspiration of saline solution with the nozzle kept in the hole
If negative pressure results after asipration of injected saline solution mixed with blood,
the membrane is fully lifted.

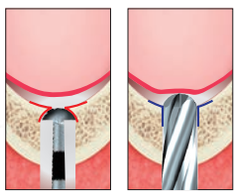


Surgical Protocol

Sinus drill (2nd) to open and expand inferior border of the maxillary sinus.

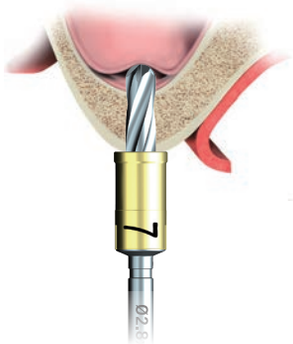
After lifting the maxillary sinus membrane,
the sinus drill is used to drilled 1mm deeper to expand
the entrance of inferior border of the maxillary sinus.

Caution The stopper must be used to adjust depth.



Checking incomplete perforation

Complete perforation



Bone condenser to inject bone graft material

The bone condenser is used to push bone graft material into the maxillary sinus through the osteotomy site.

Caution

The stopper must be used to adjust depth.
Non-irrigation, low-speed drilling at 50rpm.

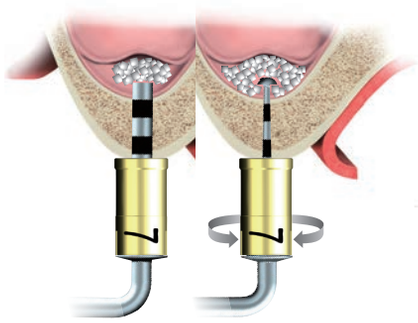
Caution

Determine volume of bone graft material.
When pressure is felt during injection of saline solution, the membrane is lifted.

Lifting height of the sinus membrane (mm)		1	2	3	4	5	6	7	8	9	10
Gone graft GBR (cc)	If implant is placed	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	If implant is not placed	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0

Dispersion of bone graft material

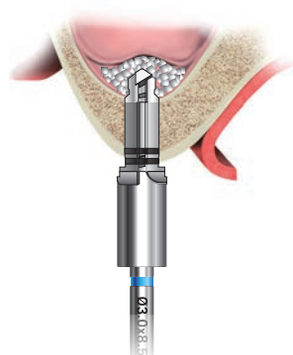
Insert a depth gauge into the maxillary sinus and
rotate it to evenly disperse bone graft material.



Final Drilling Final Drill

Drill 2mm deeper than depth of the sinus drill used earlier.

Caution Use a drill shorter than implant.



Sinus drill (2nd) to open and expand inferior border of the maxillary sinus

Implant that enters into the maxillary sinus pushes bone graft material away to disperse it. If amount of residual bone is 4mm or larger, satisfactory initial fixing force can be obtained. Also, temporary prosthesis can be restored immediately upon placement of implant.

Caution

If remaining bone is very thin with thickness of 3mm or less and initial fixing of impalnt fails, only bone graft on the maxillary sinus is performed without implant placement.

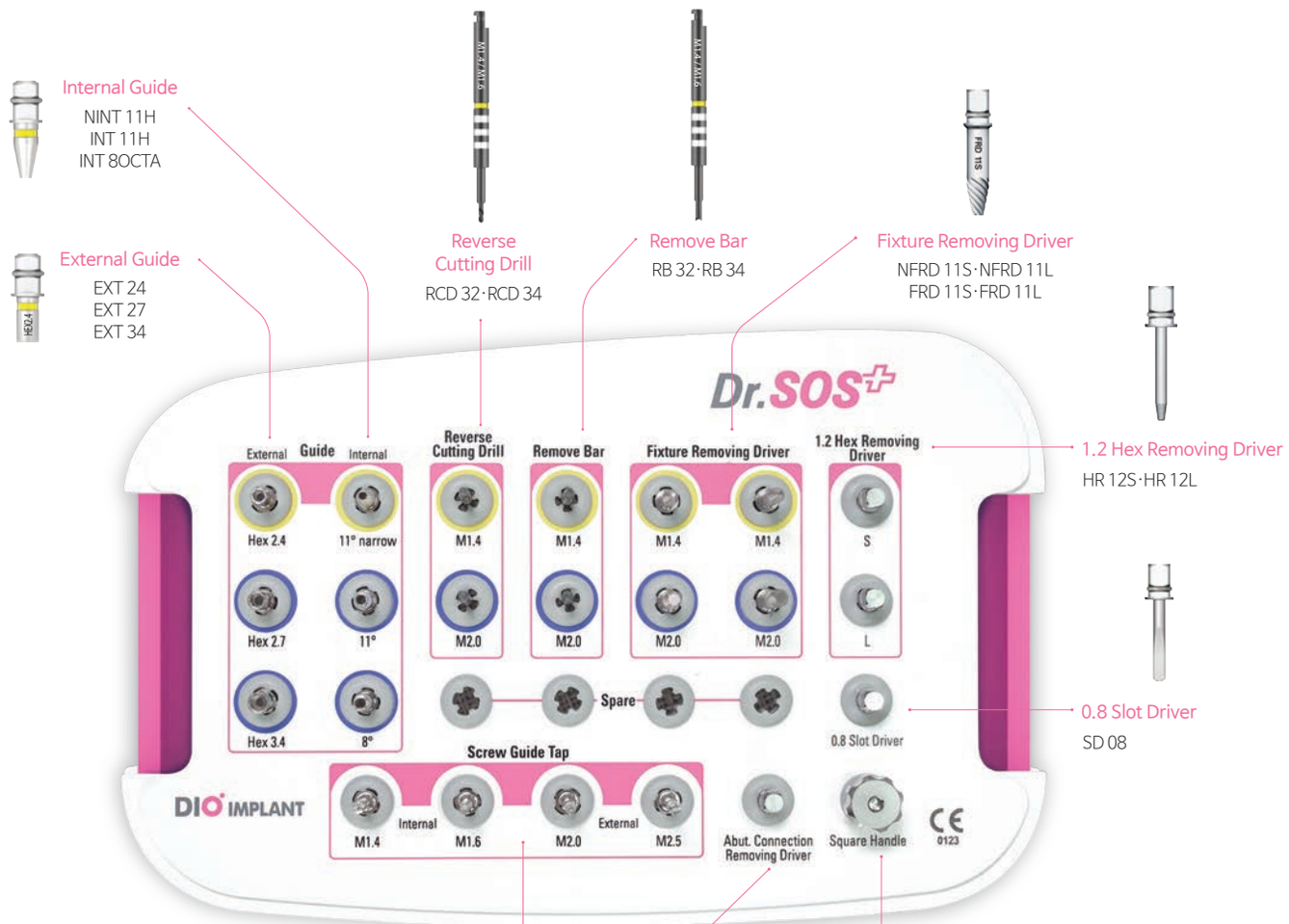


Dr.SOS+ Kit

Kit Code I DRS 02

· Problems like fracture of screw from excessive torque, wearing of connections, and jamming of foreign matters during prosthetic part of implant installation are resolved safely and quickly.

Unit mm I Drill Scale 1 : 0.9



Internal Guide
NINT 11H
INT 11H
INT 8OCTA

External Guide
EXT 24
EXT 27
EXT 34

Reverse Cutting Drill
RCD 32·RCD 34

Remove Bar
RB 32·RB 34

Fixture Removing Driver
NFRD 11S·NFRD 11L
FRD 11S·FRD 11L

1.2 Hex Removing Driver
HR 12S·HR 12L

0.8 Slot Driver
SD 08

Screw Guide Tap
SGT 1418A
SGT 1618A
SGT 2018A
SGT 2518A

Abut. Connecting Removing Driver
HARD 22020

Square Handle
SHH 11



Square Wrench
DSW 050

Surgical Tool

Internal Guide

· Guide for accurate entry of the Remove Bar and Reverse Cutting Drill into the fixture

K UFII Narrow

Unit mm I Scale 1 : 1

Code	NINT **11H**	NINT **11N**
Type	 Hex	 Non-Hex

K UFII Regular / Wide

Code	INT **11H**	INT **11N**
Type	 Hex	 Non-Hex

K Non-Sub. 8˚

Code	INT **8Octa**	INT **8N**
Type	 Octa	 Non-Octa

External Guide

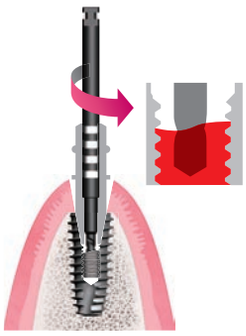
K Hex

Unit mm I Scale 1 : 1

Code	EXT **24**	EXT **27**	EXT **34**
	 2.4	 2.7	 3.4

Reverse Cutting Drill

· After inserting the end blade of the cutting drill in the fractured screw remains, remove the remains in a reverse rotation by friction.
· When it is difficult to remove with a reverse cutting drill, remove the screw remains by inserting a 1.2 hex removing driver on the hole formed on the screw remains and drilling in a reverse rotation



※Drill Speed : 1,200RPM / Reverse rotation
※In order to prevent high heat generation, osteotomy irrigation is necessary.

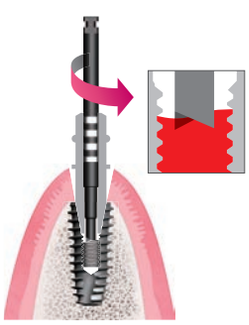
K

Unit mm I Scale 1 : 1

Code	RCD **32**	RCD **34**
		
Type	M1.4 / 1.6	M2.0 / 2.5

Remove Bar

· By attaching the end blade of the bar to the cross section of the fractured screw remains, remove the remains in a reverse rotation by friction



※ Drill Speed : 50~60rpm / Reverse rotation

K

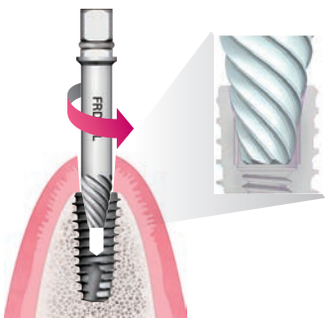
Unit mm I Scale 1 : 1

Code	RB **32**	RB **34**
		
Type	M1.4 / 1.6	M2.0 / 2.5

Surgical Tool

Fixture Removing Driver

· Allows the removal of placed implant by inserting to the fixture and turning anti-clockwise.



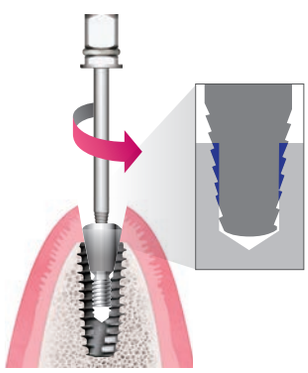
K

Unit mm I Scale 1 : 1

Fixture Size	UFII Narrow · External NF		UFII Regular · Wide	
Code	NFRD **11S**	NFRD **11L**	FRD **11S**	FRD **11L**
				
Type	Short	Long	Short	Long

1.2 Hex Removing Driver

· When use of the 1.2 Hex driver is not possible due to microorganisms in the 1.2 Hex connection part or the screw is stripped, use the removing driver for the removal of abutments or screws by inserting and turning anti-clockwise.



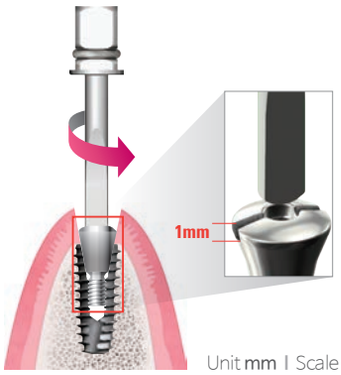
K Hex **1.2**

Unit mm I Scale 1 : 1

Code	HR **12S**	HR **12L**
		

0.8 Slot Driver

· If removal with the driver is not possible due to severe wear in the connection part, use the bur to create a slot with a minimal depth of 1mm and remove using the 0.8 Slot driver.



Unit mm I Scale 1 : 1

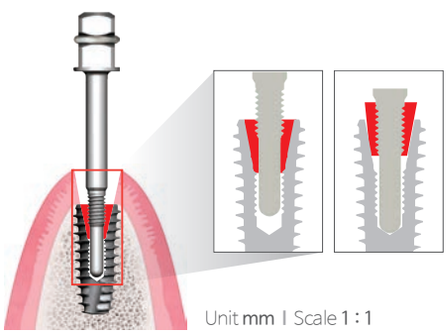
K

Code	SD **08**



Abutment Connection Removing Driver

· If there is fractured residue remaining in the abutment connection part which is impossible to remove, attach the removing driver to the inner fixture and turn clockwise to contact the driver end with the bottom, for removal.



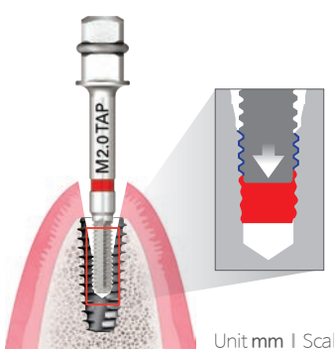
Unit mm I Scale 1 : 1

K

Code	HARD **22020**

Screw Guide Tap

· Allows the restoral of distorated or damaged screw threads which hinder abutment-to-fixture attachment, caused by the penetration of microorganisms in the connection part or stripping of the screw thread.



Unit mm I Scale 1 : 1

K UF Ⅱ Narrow / External Narrow

Code	SGT **1418A**	SGT **1618A**	SGT **2018A**	SGT **2518A**
				
	Ø1.4	Ø1.6	Ø2.0	Ø2.5
Color				

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