UF IMPLANT SYSTEM

Ion Implantation_DIO Active, Hybrid Sandblast Acid etch_HSA, System Flow Chart, UF/UF(II) Fixture, Restorative Products, UF Surgical Kit, Surgical Instruments.

DIO IMPLANT

www.dioimplant.com

Contents

UF Fixture

The patented technology promotes bone formation and growth through chemical chain reactions active near the surface of implant.

Connection

Taper 11° Hex Connection, Compatible with DIO SM Hex.

Platform Design

Smaller platform than thread and slant design allowing platform switching.

Upper Thread

Taper thread on Straight body dissipates stress exerted on the top of implant Lower depth of upper thread helps to promote blood supply on the cortical bone area, reducing the time required for bone formation.

Body Design

Optimized body design applied with advantages of straight and tapered type guarantees initial stability with overall stability.

Apical Design

15° taper allows easier penetration when minimum drilling, therefore promoting protection of the bone structure.

Apex

The rounded apex reduces the risk of tissue damage, for example when placed into maxillary sinus sites.

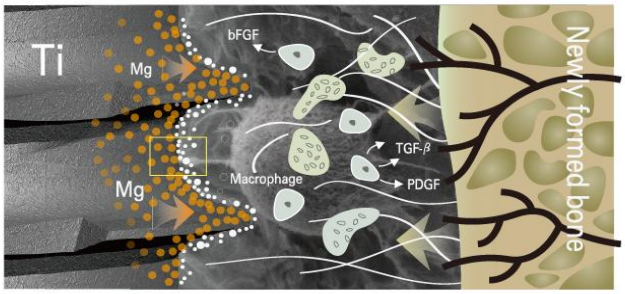
UF Surgical Drill _Made Swiss

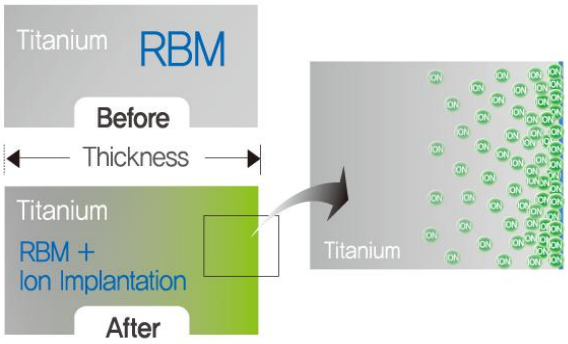
Drill Length minimizes the usage of extension with overall length of 33mm.

DIOActive Ion Implantation

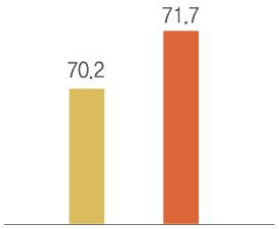
Powerful Bioactive Mechanism

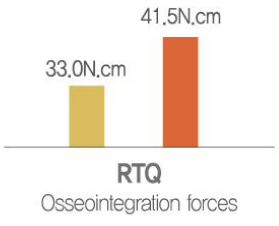
With the patented technology of Ion implantation, Ion promotes bone formation and growth through chemical chain near the surface of implant.

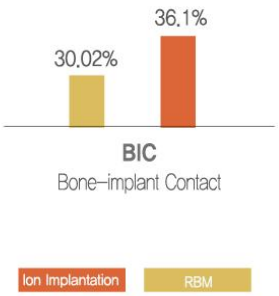




Ions are not coated onto the implant but penetrated into the base Titanium. No barrier therefore exists between the base material that might adversely affect bonding strength or cause layer detachment. The amount of ions deposited is controlled and optimized to ensure bone bonding potential.







After 6 weeks of Implantation, Comparison of Ion Implantation and RBM surface treatment

Chemical bonding on the surface with bone Morphogenetic Protein

Mg^{2+} ion delivered on the surface of implant acts as a key driving force for chemical bonding with bone Morphogenetic Protein such as Collagen Type 1, Thrombospodis, Fibronectin, Vitronectin, Osteocalcin, Osteonectin, BAG-75.

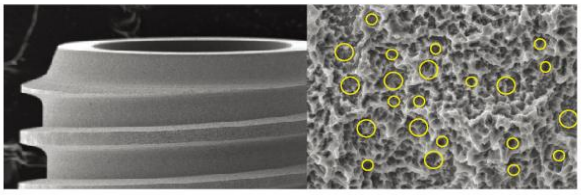
Promoting bone growth

Chemical chain reactions of bone Morphogenetic Protein near the surface of implant promote bone amalgamation.

HSA Hybrid Sandblast Acid etch

Minimize Peri-Implantitis

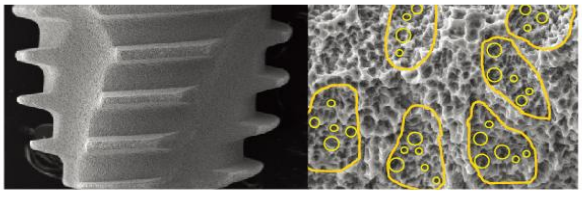
Upper Ra: 0.5-1.0㎛
Less friction around cortical bone promotes less bone loss.

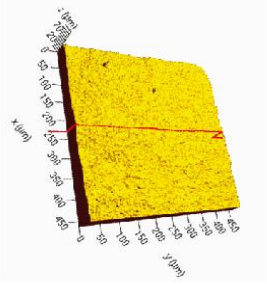


Stimulate Osseointegration

Body Ra: 2.0-2.5㎛

with ideal Ra.20.~2.5㎛ promotes not only rapid osseointegration but also long-term statibility.





- Ra_x : 2.212 ± 0.409㎛
- Ra_y : 2.210 ± 0.325㎛
- Sdr : 70.671 ± 2.900%
- Sa : 2.493 ± 0.129㎛

Excellent Quality Control

Perfect cleansiong processes guarantee high safety

Advanced Surface Modification Techniques for Enhancing Osseointegration of Titanium Implant

Department of dental materials, School of Dentistry, Chonnam University. Ho-jun Song, PhD

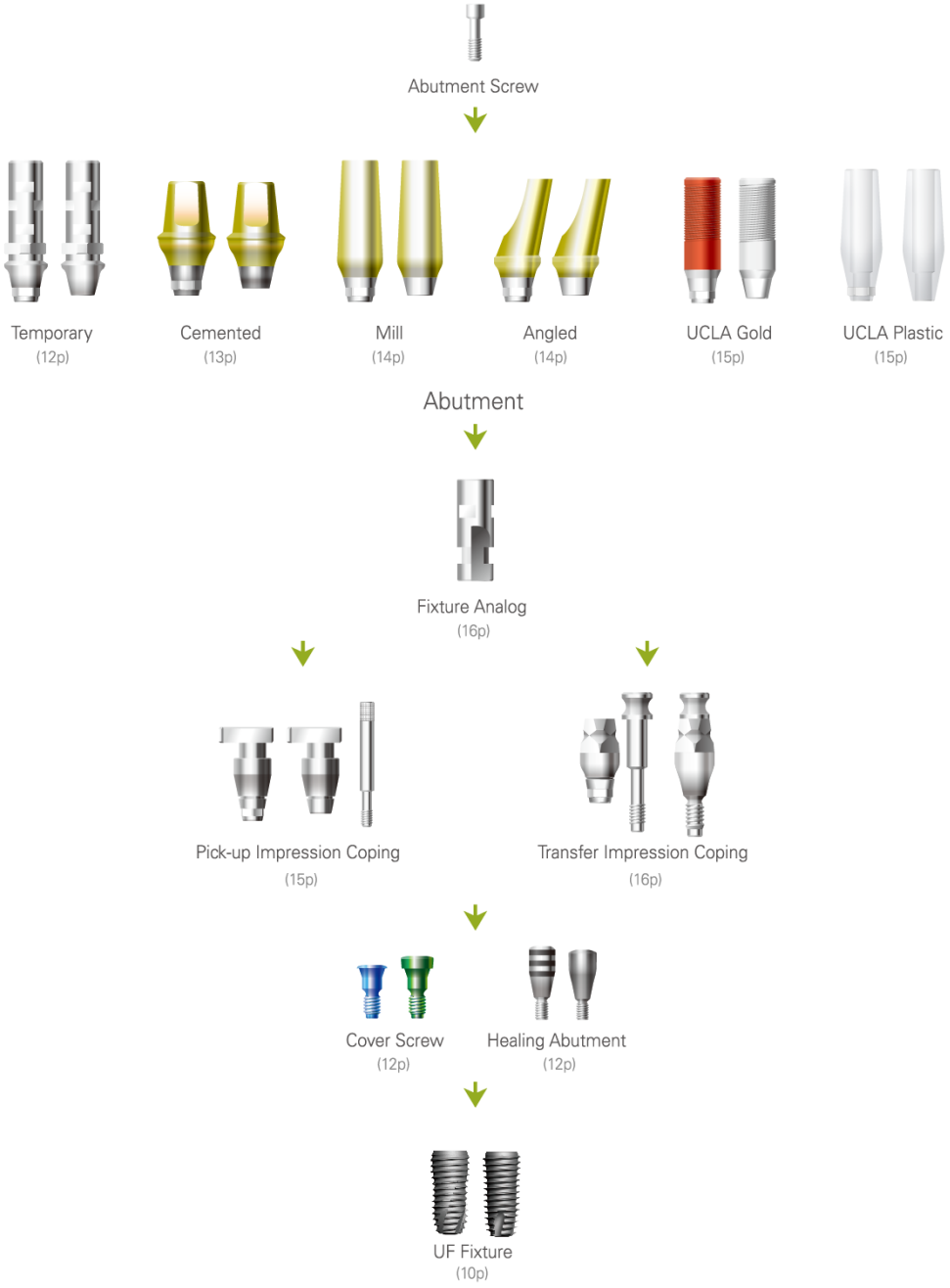
Titanium oxide film is typically consist of TiO, TiO_3, TiO_2. The most stable form is TiO_2.
Size of 1~10um, micro scale of roughness stimulates attachment and separation of osteoblast and accelerates building of extracellular matrix(ECM) and mineralization which helps to create faster osseointegration reaction. Rough surfaces increase coherence between surface of implant and mineralized bone. Hansson S, Norton M. theoretical approached and has reported that depth of 1.5um, 3~5um in diameter hemisphere pit is ideal for perfect roughness.

1. Abron A, Hopfensperger M, Thompson J, Cooper LF.
topography effects on early osseointegration in the rat tibia model. J Prosthet Dent 2001;85:40-6.

2. Hansson S, Norton M. The relation between surface
bone-anchored implants. A mathematical model. Journal of Biomechanics 1999;32(8):829-836.

System Flow Chart

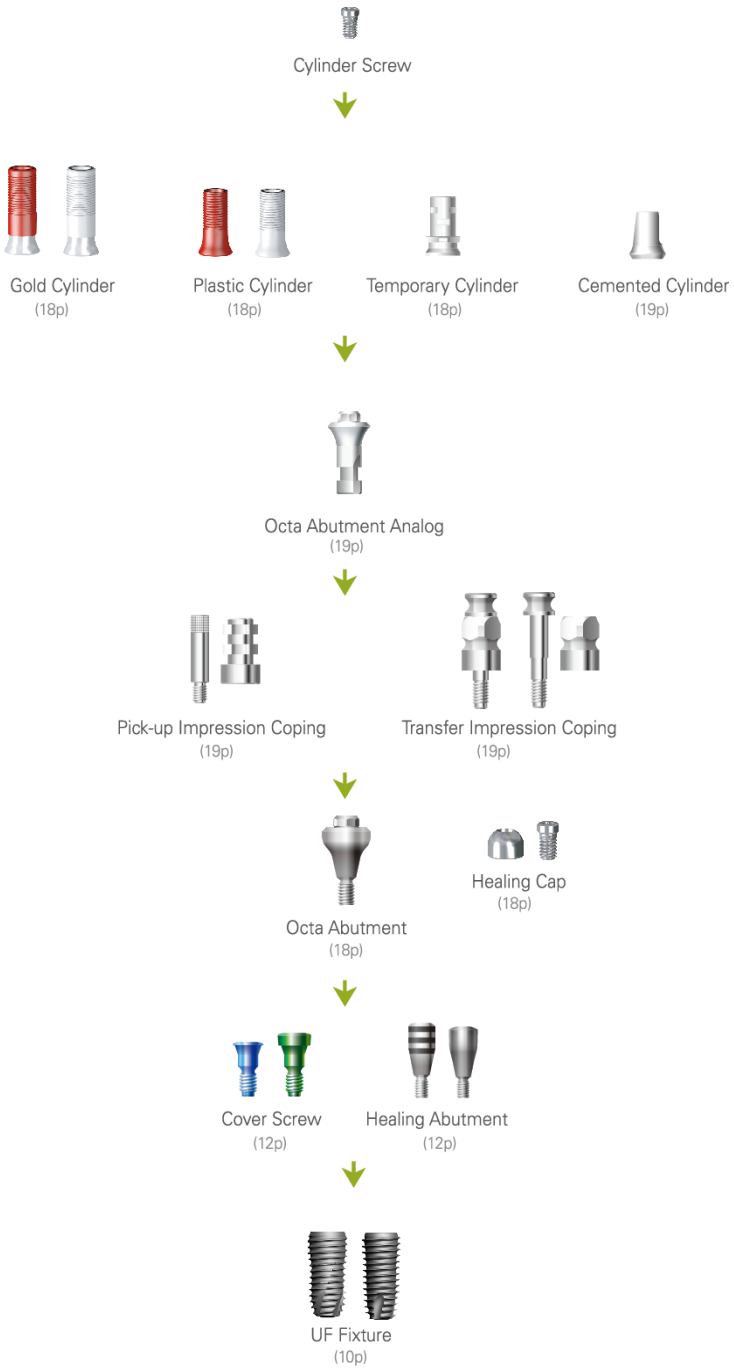
Cement-Retained Restorations - Cemented / Mill / Angled Abutment.
Screw-Retained Restorations - UCLA Gold / UCLA Plastic Abutment.



Cement-Retained Restorations - Solid Abutment.

System Flow Chart

Screw-Retained Restorations - Octa Abutment.



Overdenture-Retained Restorations - Ball Abutment

O-Ring
(20p)

Retainer
(20p)

Ball Cap
(20p)

Ball Abutment Analog
(20p)

Ball Abutment
(20p)

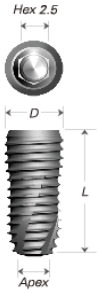
Cover Screw
(12p)

Healing Abutment
(12p)

UF Fixture
(10p)

UF Fixture

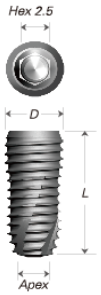
RBM



Hex	Diameter / Length	Ø3.8	Ø4.0	Ø4.5	Ø5.0
2.5	8.5	UF 3808R	UF 4008R	UF 4508R	UF 5008R
	10	UF 3810R	UF 4010R	UF 4510R	UF 5010R
	11.5	UF 3811R	UF 4011R	UF 4511R	UF 5011R
	13	UF 3813R	UF 4013R	UF 4513R	UF 5013R
Apex		Ø2.7	Ø2.9	Ø3.4	Ø3.9

- Packing Unit: Fixture+Cover Screw.
  *Mount type: P+Code. ex) PUF 3808R

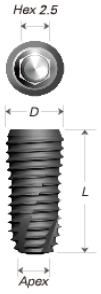
Ion Implantation_DIO Active



Hex	Diameter / Length	Ø3.8	Ø4.0	Ø4.5	Ø5.0
2.5	8.5	UF 3808M	UF 4008M	UF 4508M	UF 5008M
	10	UF 3810M	UF 4010M	UF 4510M	UF 5010M
	11.5	UF 3811M	UF 4011M	UF 4511M	UF 5011M
	13	UF 3813M	UF 4013M	UF 4513M	UF 5013M
Apex		Ø2.7	Ø2.9	Ø3.4	Ø3.9

- Packing Unit: Fixture+Cover Screw.
  *Mount type: P+Code. ex) PUF 3808M.

Hybrid Sandblast Acid etch_HSA

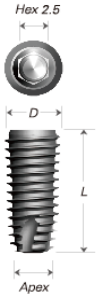


Hex	Diameter / Length	Ø3.8	Ø4.0	Ø4.5	Ø5.0
2.5	8.5	UF 3808S	UF 4008S	UF 4508S	UF 5008S
	10	UF 3810S	UF 4010S	UF 4510S	UF 5010S
	11.5	UF 3811S	UF 4011S	UF 4511S	UF 5011S
	13	UF 3813S	UF 4013S	UF 4513S	UF 5013S
Apex		Ø2.7	Ø2.9	Ø3.4	Ø3.9

- Packing Unit: Fixture+Cover Screw.
  *Mount type: P+Code. ex) PUF 3808S.

UF(II) Fixture

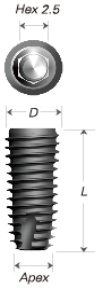
Ion Implantation_DIO Active



Hex	Diameter / Length	Ø4.5	Ø5.0	Ø5.5
2.5	8.5	UF(II) 4508M	UF(II) 5008M	UF(II) 5508M
	10	UF(II) 4510M	UF(II) 5010M	UF(II) 5510M
	11.5	UF(II) 4511M	UF(II) 5011M	UF(II) 5511M
	13	UF(II) 4513M	UF(II) 5013M	UF(II) 5513M
Apex		Ø3.4	Ø3.9	Ø4.5

▪ Packing Unit: Fixture+Cover Screw.
*Mount type: P+Code. ex) PUF(II) 3808M.

Hybrid Sandblast Acid etch_HSA

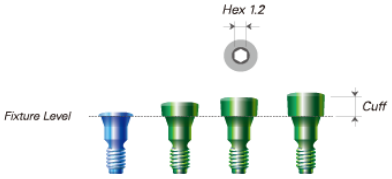


Hex	Diameter / Length	Ø4.5	Ø5.0	Ø5.5
2.5	8.5	UF(II) 4508S	UF(II) 5008S	UF(II) 5508S
	10	UF(II) 4510S	UF(II) 5010S	UF(II) 5510S
	11.5	UF(II) 4511S	UF(II) 5011S	UF(II) 5511S
	13	UF(II) 4513S	UF(II) 5013S	UF(II) 5513S
Apex		Ø3.4	Ø3.9	Ø4.5

▪ Packing Unit: Fixture+Cover Screw.
*Mount type: P+Code. ex) PUF(II) 3808S.

Cover Screw, Healing Abutment, Temporary Abutment

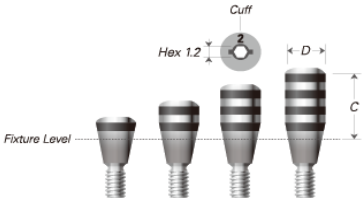
Cover Screw



Cuff \ Code	Code
0	SSCS 3400
1	SSCS 3410
2	SSCS 3420
3	SSCS 3430

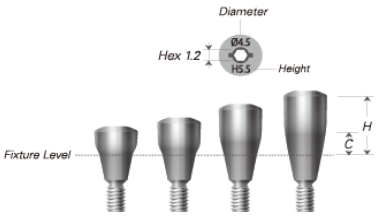
- Uses 1.2 Hex / 0.5 Slot Driver.
- Used for narrow area after the Implant surgery or to protect Implant connection area.
  –Screw installation after removing the remaining blood or foreign substance in Implant.
- Tightening torque: 5~8Ncm.

Healing Abutment



Cuff \ Diameter	Ø4.0
2	SSHA 4020
4	SSHA 4040
6	SSHA 4060
8	SSHA 4080

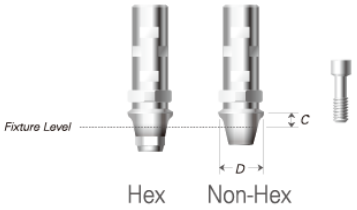
- Suitable for a small diameter abutment like a Ball Abutment.
- Recommended to use it when Fixture is deeply inserted.
- Uses 1.2 Hex / 0.5 Slot Driver.
- Tightening torque: 5~8Ncm.



Height	Cuff \ Diameter	Ø4.5	Ø5.5	Ø6.5	Ø7.5
2	2	SSHA 4520	SSHA 5520	SSHA 6520	SSHA 7520
4	2	SSHA 4524	SSHA 5524	SSHA 6524	SSHA 7524
5.5	3	SSHA 4535	SSHA 5535	SSHA 6535	SSHA 7535
7	4	SSHA 4547	SSHA 5547	SSHA 6547	SSHA 7547

- Uses 1.2 Hex / 0.5 Slot Driver.
- Used after the one-stage surgery or second-stage surgery and it takes the role which forms the gingiva and it helps to form the gingiva to make an emergency profile.
  -Choices available depend on the patient's height of gingiva and the size of abutment. (Healing Abutment should have wider diameter than the desired abutment that way the abutment will be installed without interruption from the gingival and the balance of the finalized prosthesis will be ensured.)
- Tightening torque: 5~8Ncm

Temporary Abutment

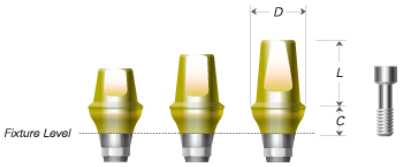


Diameter	Ø4.5	
Cuff \ Type	Hex	Non Hex
1	SSTA 4510H	SSTA 4510N
3	SSTA 4530H	SSTA 4530N

- Used in prosthetic fabrication.
- Uses 1.2 Hex driver.
- Packing contents: Abutment + Abutment Screw(SSC 2008H).
- Tightening torque: 30Ncm.

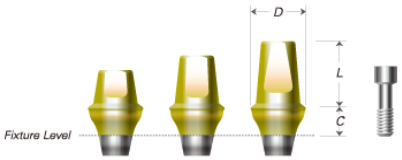
Cemented Abutment

Cemented Abutment
Hex Type



Length	C \ D	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	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)
5.5	1	SSCA 45105H(II)	SSCA 55105H(II)	SSCA 65105H(II)	SSCA 75105H(II)
	2	SSCA 45205H(II)	SSCA 55205H(II)	SSCA 65205H(II)	SSCA 75205H(II)
	3	SSCA 45305H(II)	SSCA 55305H(II)	SSCA 65305H(II)	SSCA 75305H(II)
	4	SSCA 45405H(II)	SSCA 55405H(II)	SSCA 65405H(II)	SSCA 75405H(II)
	5	SSCA 45505H(II)	SSCA 55505H(II)	SSCA 65505H(II)	SSCA 75505H(II)
7	1	SSCA 45107H(II)	SSCA 55107H(II)	SSCA 65107H(II)	SSCA 75107H(II)
	2	SSCA 45207H(II)	SSCA 55207H(II)	SSCA 65207H(II)	SSCA 75207H(II)
	3	SSCA 45307H(II)	SSCA 55307H(II)	SSCA 65307H(II)	SSCA 75307H(II)
	4	SSCA 45407H(II)	SSCA 55407H(II)	SSCA 65407H(II)	SSCA 75407H(II)
	5	SSCA 45507H(II)	SSCA 55507H(II)	SSCA 65507H(II)	SSCA 75507H(II)

Non-Hex Type



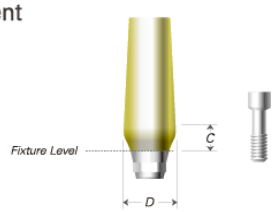
Length	C \ D	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	1	SSCA 45104N(II)	SSCA 55104N(II)	SSCA 65104N(II)	SSCA 75104N(II)
	2	SSCA 45204N(II)	SSCA 55204N(II)	SSCA 65204N(II)	SSCA 75204N(II)
	3	SSCA 45304N(II)	SSCA 55304N(II)	SSCA 65304N(II)	SSCA 75304N(II)
	4	SSCA 45404N(II)	SSCA 55404N(II)	SSCA 65404N(II)	SSCA 75404N(II)
	5	SSCA 45504N(II)	SSCA 55504N(II)	SSCA 65504N(II)	SSCA 75504N(II)
5.5	1	SSCA 45105N(II)	SSCA 55105N(II)	SSCA 65105N(II)	SSCA 75105N(II)
	2	SSCA 45205N(II)	SSCA 55205N(II)	SSCA 65205N(II)	SSCA 75205N(II)
	3	SSCA 45305N(II)	SSCA 55305N(II)	SSCA 65305N(II)	SSCA 75305N(II)
	4	SSCA 45405N(II)	SSCA 55405N(II)	SSCA 65405N(II)	SSCA 75405N(II)
	5	SSCA 45505N(II)	SSCA 55505N(II)	SSCA 65505N(II)	SSCA 75505N(II)
7	1	SSCA 45107N(II)	SSCA 55107N(II)	SSCA 65107N(II)	SSCA 75107N(II)
	2	SSCA 45207N(II)	SSCA 55207N(II)	SSCA 65207N(II)	SSCA 75207N(II)
	3	SSCA 45307N(II)	SSCA 55307N(II)	SSCA 65307N(II)	SSCA 75307N(II)
	4	SSCA 45407N(II)	SSCA 55407N(II)	SSCA 65407N(II)	SSCA 75407N(II)
	5	SSCA 45507N(II)	SSCA 55507N(II)	SSCA 65507N(II)	SSCA 75507N(II)

- Used to make ordinary Cement type prosthesis.
- For the esthetics, Gingiva area is colored in gold.
- Materialization of the side to prevent rotation for prosthesis.
- Uses 1.2 Hex Driver.
- Packing contents: Abutment + Abutment Screw(SSC 2008H).
- Tightening torque: 30Ncm.

Mill Abutment, Angled Abutment

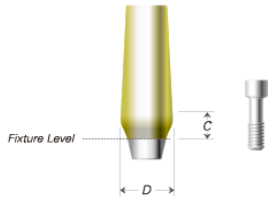
Mill Abutment

Hex Type



Cuff \ Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
1.5	SSMA 4015H	-	-	-	-
2	-	SSMA 4520H	-	-	-
2.5	-	-	SSMA 5525H	-	-
3	-	-	-	SSMA 6530H	SSMA 7530H

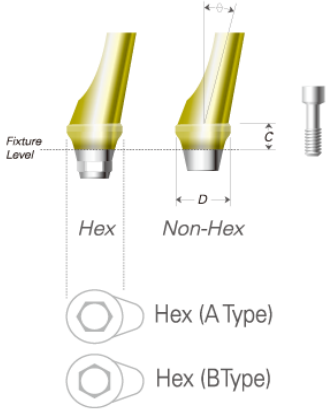
Non-Hex Type



Cuff \ Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
1.5	SSMA 4015N	-	-	-	-
2	-	SSMA 4520N	-	-	-
2.5	-	-	SSMA 5525N	-	-
3	-	-	-	SSMA 6530N	SSMA 7530N

- Used for when high customization in abutment path and prosthetic margins are needed.
- Secure tapered connection construction.
- Aesthetically designed gold coloring.
- Uses 1.2 Hex Driver.
- Packing contents: Abutment + Abutment Screw (SSC2008H).
- Tightening torque: 30Ncm.

Angled Abutment



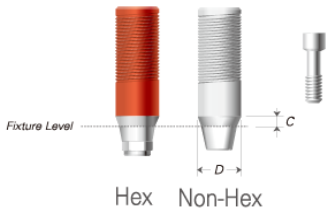
Diameter		Ø4.5				
Angled	Type \ Cuff	1.5	2	3	4	5
15°	Hex A	SSAA 451515AH	SSAA 452015AH	SSAA 453015AH	SSAA 454015AH	SSAA 455015AH
	Hex B	SSAA 451515BH	SSAA 452015BH	SSAA 453015BH	SSAA 454015BH	SSAA 455015BH
	Non-Hex	SSAA 451515N	SSAA 452015N	SSAA 453015N	SSAA 454015N	SSAA 455015N
25°	Hex A	SSAA 451525AH	SSAA 452025AH	SSAA 453025AH	SSAA 454025AH	SSAA 455025AH
	Hex B	SSAA 451525BH	SSAA 452025BH	SSAA 453025BH	SSAA 454025BH	SSAA 455025BH
	Non-Hex	SSAA 451525N	SSAA 452025N	SSAA 453025N	SSAA 454025N	SSAA 455025N

Diameter		Ø5.5				
Angled	Type \ Cuff	1.5	2	3	4	5
15°	Hex A	SSAA 551515AH	SSAA 552015AH	SSAA 553015AH	SSAA 554015AH	SSAA 555015AH
	Hex B	SSAA 551515BH	SSAA 552015BH	SSAA 553015BH	SSAA 554015BH	SSAA 555015BH
	Non-Hex	SSAA 551515N	SSAA 552015N	SSAA 553015N	SSAA 554015N	SSAA 555015N
25°	Hex A	SSAA 551525AH	SSAA 552025AH	SSAA 553025AH	SSAA 554025AH	SSAA 555025AH
	Hex B	SSAA 551525BH	SSAA 552025BH	SSAA 553025BH	SSAA 554025BH	SSAA 555025BH
	Non-Hex	SSAA 551525N	SSAA 552025N	SSAA 553025N	SSAA 554025N	SSAA 555025N

- Used to modify the fixture's path and mainly used for anterior teeth.
- 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 abutment.
- For the esthetics, Gingiva area is colored in gold.
- Uses 1.2 Hex Driver.
- Packing contents: Abutment + Abutment Screw (SSC2008H).
- Tightening torque: 30Ncm.

UCLA Gold Abutment, UCLA Plastic Abutment

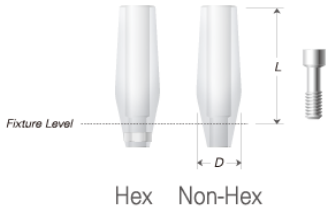
UCLA Gold Abutment



Diameter	Ø4.5	
Cuff \ Type	Hex	Non-Hex
1	SSGA 4510H	SSGA 4510N
3	SSGA 4530H	SSGA 4530N

- Screw retained type abutment which uses abutment screw to fix prosthesis.
- Can be used when there is limitation on path, Esthetics, Space etc.
  (It is directly casted on abutment to make inner part of prosthesis. Due to this aspect, Customized abutment can be made which can be applied to variety of cases. Especially, It is very strong for cases which requires difficult angle modification.)
- After the customization, Dental gold metal will be casted with it to make prosthesis.
- Melting range on cylinder area : 1400℃ ~ 1450℃.
  (Obligation on non-mineral of noble or metal -free alloy Casting).
- Depending on the connecting method with fixture, it is categorized as Hex / Non – Hex.
- Uses 1.2 Hex Driver.
- Packing contents: Abutment + Abutment Screw (SSC2008H).
- Tightening : 30Ncm.

UCLA Plastic Abutment

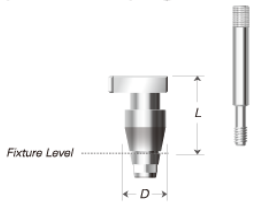


Diameter	Ø4.5		Ø5.5	
Length \ Type	Hex	Non-Hex	Hex	Non-Hex
12	SSPA 4512H	SSPA 4512N	SSPA 5512H	SSPA 5512N

- Its purpose of usage is the same as UCLA Gold Abutment but material for the abutment is plastic.
- Compared to UCLA Gold Abutment, Its degree of precision or accuracy on connection area with abutment is slightly lower.
- After the customization, it is casted with dental alloy(Gold / non-precious metal alloy) to make prosthesis.
- Uses 1.2 Hex Driver.
- Packing contents: Abutment + Abutment Screw (SSC2008H).
- Tightening torque: Tightening smoothly before casting, 30Ncm after casting.

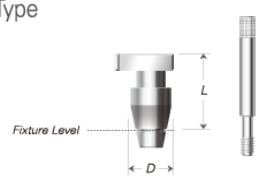
Pick up Impression Coping

Hex Type



Length \ Diameter		Ø4.0	Ø4.5	Ø5.5	Ø6.5
09		SSPI 4009H	SSPI 4509H	SSPI 5509H	SSPI 6509H
	Guide Pin	SSG 2015	SSG 2015	SSG 2015	SSG 2015
13		SSPI 4013H	SSPI 4513H	SSPI 5513H	SSPI 6513H
	Guide Pin	SSG 2020	SSG 2020	SSG 2020	SSG 2020

Non-Hex Type

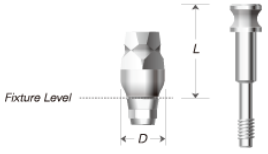


Length \ Diameter		Ø4.0	Ø4.5	Ø5.5	Ø6.5
09		SSPI 4009N	SSPI 4509N	SSPI 5509N	SSPI 6509N
	Guide Pin	SSG 2015	SSG 2015	SSG 2015	SSG 2015
13		SSPI 4013N	SSPI 4513N	SSPI 5513N	SSPI 6513N
	Guide Pin	SSG 2020	SSG 2020	SSG 2020	SSG 2020

- Custom tray is used for pick-up type of impression taking.
- Uses 1.2 Hex Driver.
- Packing contents: Impression Coping + Guide Pin.

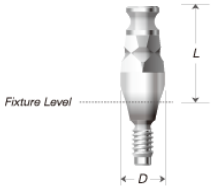
Solid Abutment

Transfer Impression Coping
Hex Type



Length \ Diameter		Ø4.0	Ø4.5	Ø5.5	Ø6.5
10		SSTI 4010H	SSTI 4510H	SSTI 5510H	SSTI 6510H
	Guide Pin	SSTI 4015S	SSTI 4515S	SSTI 5515S	SSTI 6515S
15		SSTI 4015H	SSTI 4515H	SSTI 5515H	SSTI 6515H
	Guide Pin	SSTI 4020S	SSTI 4520S	SSTI 5520S	SSTI 6520S

Non-Hex Type



Length \ Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5
10	SSTI 4010N	SSTI 4510N	SSTI 5510N	SSTI 6510N
15	SSTI 4015N	SSTI 4515N	SSTI 5515N	SSTI 6515N

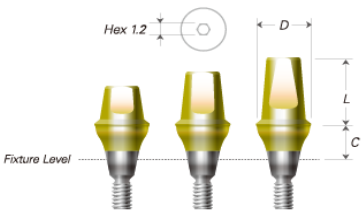
- Ready-made tray is used for transfer type of impression taking.
- Double sided structure increases quality.
- Hex type is two-piece structure and Non-Hex type is one-piece structure.
- Uses 1.2 Hex Driver.
- Packing contents: Impression Coping + Guide Pin.

Fixture Analog

Length \ Diameter	Ø4.0
12	SSFA 4012

- Providing anchor point for fabricating implant prosthetics on working model.

Solid Abutment



Length	Cuff \ Diameter	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	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
5.5	1	SSSA 45105	SSSA 55105	SSSA 65105	SSSA 75105
	2	SSSA 45205	SSSA 55205	SSSA 65205	SSSA 75205
	3	SSSA 45305	SSSA 55305	SSSA 65305	SSSA 75305
	4	SSSA 45405	SSSA 55405	SSSA 65405	SSSA 75405
	5	SSSA 45505	SSSA 55505	SSSA 65505	SSSA 75505
7	1	SSSA 45107	SSSA 55107	SSSA 65107	SSSA 75107
	2	SSSA 45207	SSSA 55207	SSSA 65207	SSSA 75207
	3	SSSA 45307	SSSA 55307	SSSA 65307	SSSA 75307
	4	SSSA 45407	SSSA 55407	SSSA 65407	SSSA 75407
	5	SSSA 45507	SSSA 55507	SSSA 65507	SSSA 75507

- This is a cemented type abutment which uses dental cement to fix the prosthesis.
- Abutment and screw are in one-piece structure.
- Taking impression at abutment level.
- Considering the esthetics, gingival is colored in gold.
- Uses 1.2 Hex / Solid Abutment Driver.
- Packing contents: Abutment + Protect Cap.
- Tightening torque: 30Ncm.

Restorative Products

Protect Cap

Length \ Abutment Dia.	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	SSAC 4504	SSAC 5504	SSAC 6504	SSAC 7504
5.5	SSAC 4505	SSAC 5505	SSAC 6505	SSAC 7505
7	SSAC 4507	SSAC 5507	SSAC 6507	SSAC 7507

- Used to protect abutment in the patient's mouth and minimize the discomfort for the patient.
- Can be applied to substructure of temporary prosthesis.
- Convenient locking mechanism.

Impression Cap

Length \ Abutment Dia.		Ø4.5	Ø5.5	Ø6.5	Ø7.5
11		SSAI 4511	SSAI 5511	SSAI 6511	SSAI 7511
	Color	White	Red	Green	Blue

- Used to take impression of Solid Abutment.
- Different coloring provides easy identification on types of abutment diameter.
- Convenient locking mechanism.

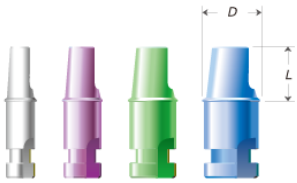
Plastic Coping

Single Bridge

Length	Color \ Abutment Dia.	Ø4.5	Ø5.5	Ø6.5	Ø7.5
10	Red (Single)	SSAP 4510S	SSAP 5510S	SSAP 6510S	SSAP 7510S
	White (Bridge)	SSAP 4510B	SSAP 5510B	SSAP 6510B	SSAP 7510B

- Can be used as prosthesis' frame work by installed with Solid Abutment Analog.
- Different coloring provides easy identification on types of case.
- Packing contents: Plastic Coping.

Solid Abutment Analog

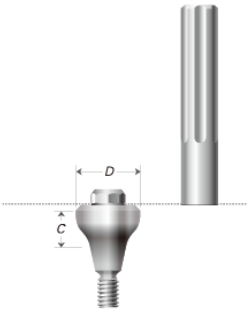


Length \ Abutment Dia.	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	SSAA 4504	SSAA 5504	SSAA 6504	SSAA 7504
5.5	SSAA 4505	SSAA 5505	SSAA 6505	SSAA 7505
7	SSAA 4507	SSAA 5507	SSAA 6507	SSAA 7507
Color	-	Red	Green	Blue

- Solid Abutment is formed on working model.
- Different coloring provides easy identification on types of abutment diameter.
- Packing contents: Solid Abutment Analog.

Octa Abutment

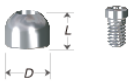
Octa Abutment



Cuff \ Diameter	Ø4.8	Ø6.0	Ø6.5
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

- Designed abutment to use prosthesis by turning the internal connection fixture into external connection fixture type with cylinder.
- Used to create screw retained prosthesis on poor path bridge case.
- Uses Octa Abutment Driver.
- Packing contents: Abutment (Holder installation: Convenient to install in patient's mouth).
- Tightening torque: 35Ncm.

Healing Cap



Length \ Diameter	Ø5.2	Ø6.5	Ø7.0
4	HCI 48504	HCI 60704	HCI 65704

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

Gold Cylinder

Length	Type \ Diameter	Ø5.0	Ø6.2	Ø6.5
4	Octa	AGI 48504	AGI 60004	AGI 65704
	Non-Octa	AGI 48504N	AGI 60004N	AGI 65704N

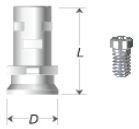
- After the customization, Dental gold metal will be casted with it to make prosthesis..
- Cylinder fusion range: 1400˚C ~ 1450˚C (non-precious metal alloy are not allowed for casting).
- Uses 1.2 Hex Driver.
- Packing contents: Gold Cylinder + Cylinder Screw (STI 2004).
- Tightening torque: 20Ncm.

Plastic Cylinder

Length	Type \ Diameter	Ø5.0	Ø6.3	Ø7.0
10	Octa	API 48514	API 60714	API 65714
	Non-Octa	API 48514N	API 60714N	API 65714N

- After the customization, Dental alloy(Gold, non-precious metal alloy) will be casted with it to make prosthesis.
- Less accuracy on connecting part compared to Gold Cylinder.
- Uses 1.2 Hex Driver.
- Packing contents: Plastic Cylinder + Cylinder Screw (STI 2004).
- Tightening torque: 20Ncm

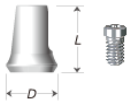
Temporary Cylinder



Length	Type \ Diameter	Ø5.0	Ø6.0	Ø6.5
10	Octa	ITC 48010	ITC 60010	ITC 65010
	Non-Octa	ITC 48010N	ITC 60010N	ITC 65010N

- Uses 1.2 Hex Driver.
- Packing contents: Temporary Cylinder + Cylinder Screw (STI 2004).
- Tightening torque: 20Ncm.

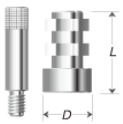
Cemented Cylinder



Length	Type \ Diameter	Ø5.0	Ø5.8	Ø6.4	Ø6.9
8	Octa	ICC 48508	ICC 48588	-	-
	Non-Octa	ICC 48508N	ICC 48588N	-	-
9	Octa	-	-	ICC 60649	ICC 65309
	Non-Octa	-	-	ICC 60649N	ICC 65309N

- Uses 1.2 Hex Driver.
- Packing contents: Cemented Cylinder + Cylinder Screw (STI 2004H).
- Tightening torque: 20Ncm.

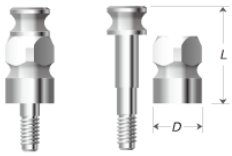
Pick-up Impression Coping



Length	Type \ Diameter	Ø5.7	Ø6.4	Ø7.0
10	Octa	IPI 48610	IPI 60710	IPI 65710
	Non-Octa	IPI 48610N	IPI 60710N	IPI 65710N

- Pick-up type impression-taking process using custom tray.
- Asymmetry structure to minimize close interruption.
- Uses 1.2 Hex Driver.
- Packing contents: Impression Coping + Guide Pin.

Transfer Impression Coping



Length	Type \ Diameter	Ø5.0	Ø6.1	Ø6.6
10	Octa	IOTI 48010	IOTI 60010	IOTI 65010

- Transfer type impression-taking process using ready-made tray.
- Double sided structure which elevates the quality.
- Uses 1.2 Hex Driver.
- Packing contents: Impression Coping + Guide Pin.

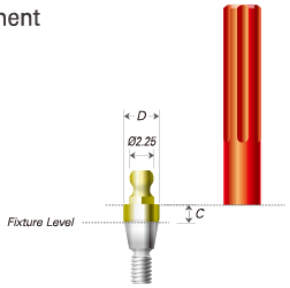
Abutment Analog

Length \ Diameter	Ø4.8	Ø6.0	Ø6.5
10	-	RCI 60014	-
12	RCI 48014	-	RCI 65014

- Provides anchor point for fabricating Octa Abutment configuration.
- Packing contents: Octa Abutment Analog.

Ball Abutment

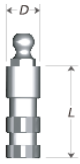
Ball Abutment



Cuff \ Diameter	Ø3.5
1	SSBA 3510
2	SSBA 3520
3	SSBA 3530
4	SSBA 3540
5	SSBA 3550
6	SSBA 3560

- Used to create over-denture for edentulous patient.
- Used when fixed type Implant prosthesis is difficult due to severe bone or soft tssue loss.
- Post part is colored in gold.
- Path recovery to the maximum of 20˚.
- Uses Ball Abutment Driver.
- Packing contents: Abutment + O-Ring (1 Piece).
  *Holder installation: Convenient to install in patient's mouth.
- Tightening torque: 30Ncm.

Ball Abutment Analog



Length \ Diameter	Ø3.5
10	SABA 3510

- Provides anchor point for ball abutment on working model.

Dalbo Plus

Code	DBPM 201

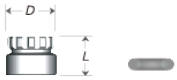
- Double structure with titanium housing and precious metallic Insert.
- Provides long term usage about 10,000 trials due to its minimized abrasion to Ball Abutment and to the insert. Rated for up to 10,000 uses with minimum abrasion to the Ball Abutment and to the insert.
- Simple and convenient retention.
- Up to 20˚ in insertion angle flexibility.
- Compatible with all DIO Implant System.

Retainer

Length \ Diameter	Ø5.0
2	RT 0502

- Advantageous when occlusal distance is low compare to Ball Cap.
- Packing contents: Retainer + O-Ring (2 Piece).

Ball Cap



Length \ Diameter	Ø5.0
4	BC 5004

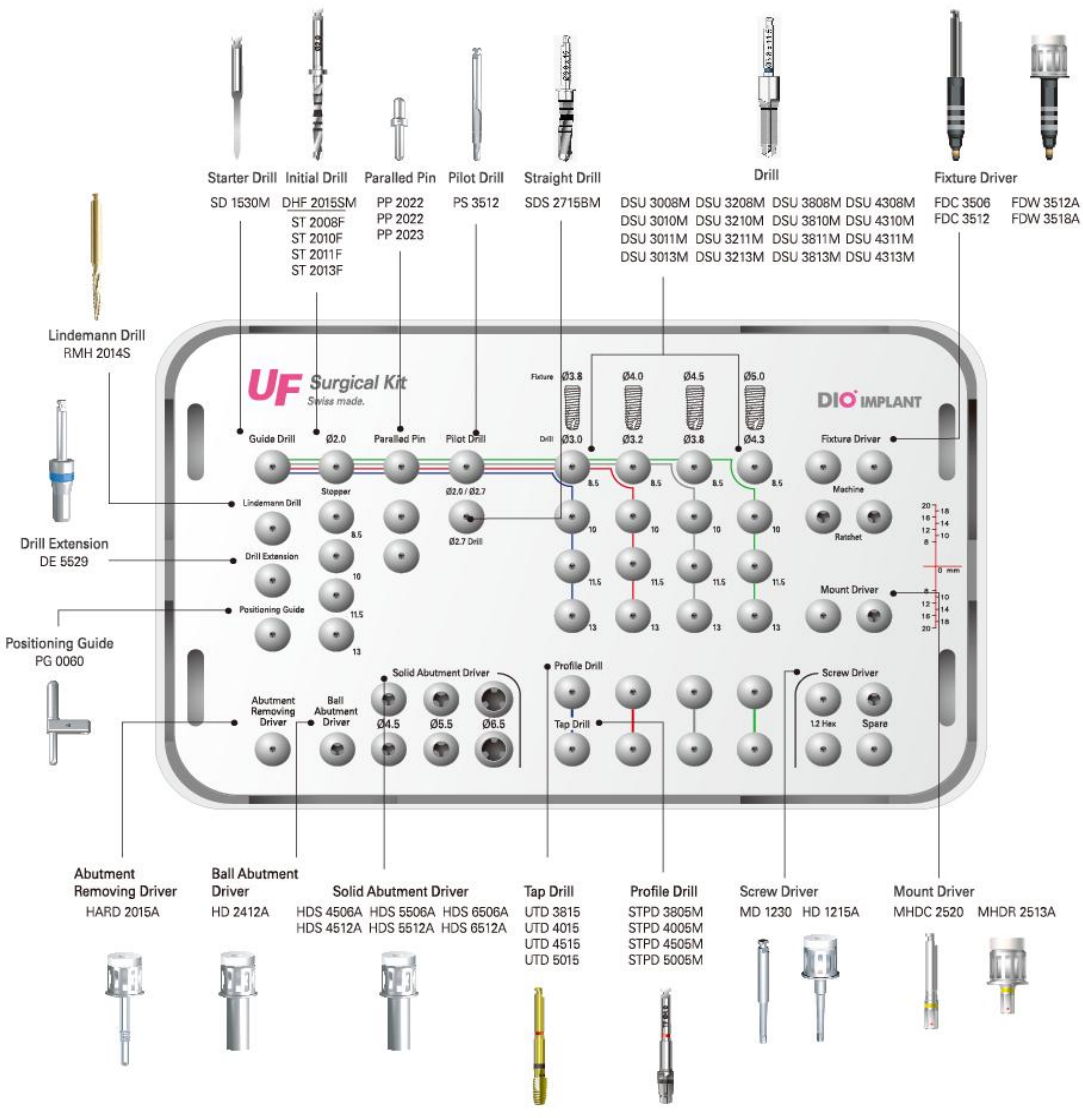
- Outstanding consistency and Clip-on.
- Packing contents: Ball Cap + O-Ring (2 Piece).

O-Ring

Diameter	Ø5.0
Code	OR 0450

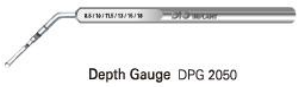
UF Surgical Kit _Swiss made.

Order Code: UF(M) 00



*Bottom Case

Torque Wrench DTW 0060

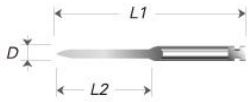


Depth Gauge DPG 2050

Open Wrench OW 002

Surgical Instruments

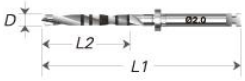
Starter Drill



L1 / L2 \ Diameter	Ø 1.5
30 / 15	SD 1530M

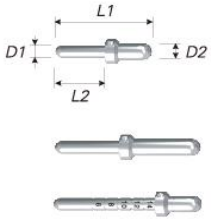
L1 / L2 \ Diameter	Ø 1.2	Ø 1.5
32.5 / 18.5	MSD 1218M	MSD 1518M

Initial Drill

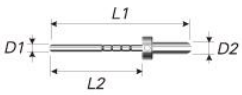


L1 / L2 \ Diameter	Ø 2.0
34.58 / 17.58	DHF 2015SM

Parallel Pin



L1/L2 \ D1/D2	Ø2.0/Ø2.7
15/8	PP 2015
22/10	PP 2022
23/16	PP 2023

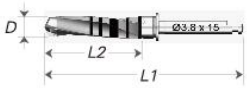


L1/L2 \ D1/D2	Ø0.6/Ø2.0	Ø0.75/Ø2.0
23/15	PP 2015	PP 2015

Pilot Drill

L1/L2 \ D1/D2	Ø2.0/Ø2.7
31/17	PS 3512

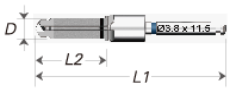
Straight Drill



L1 / L2 \ Diameter	Ø 2.7
33 / 15.63	SDS 2715BM

Surgical Instruments

Drill



L1 / L2 \ Diameter	Ø 2.9	Ø 3.1	Ø 3.7	Ø 4.2
33 / 9	DSU 3008M	DSU 3208M	DSU 3808M	DSU 4308M
33 / 10	DSU 3010M	DSU 3210M	DSU 3810M	DSU 4310M
33 / 12	DSU 3011M	DSU 3211M	DSU 3811M	DSU 4311M
33 / 13	DSU 3013M	DSU 3213M	DSU 3813M	DSU 4313M

Fixture Driver

Machine Ratchet

Length \ Diameter	Ø3.5	
6	FDC 3506	FDW 3506A
12	FDC 3512	FDW 3512A
18	FDC 3518	FDW 3518A

Mount Driver

Machine Ratchet

Length \ Type	2.5 Hex	
6	MHDC 2520	MHDR 2513A
11	MHDC 2525	MHDR 2518A

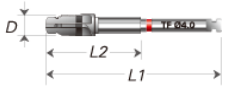
Screw Driver

Machine Ratchet

L1 / L2 \ Type	1.2 Hex
19 / 5	MD 1219
22 / 8	MD 1222
30 / 16	MD 1230

Length \ Type	1.2 Hex
5	HD 1205A
10	HD 1210A
15	HD 1215A
20	HD 1220A

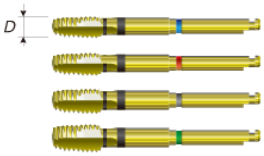
Profile Drill



L1 / L2 \ Diameter	Ø 3.8	Ø 4.0	Ø 4.5	Ø 5.0
30.5 / 8.5	STPD 3805M	-	-	-
30.5 / 8.5	-	STPD 4005M	-	-
31 / 9	-	-	STPD 4505M	-
31 / 9	-	-	-	STPD 5005M

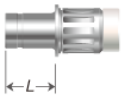
Surgical Instruments

Tap Drill



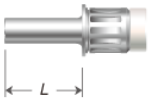
Fixture/Drill Diameter	Ø3.8	Ø4.0	Ø4.5	Ø5.0
Code	UTD 3815	UTD 4015	UTD 4515	UTD 5015
Color	Blue	Red	Gray	Green

Solid Abutment Driver



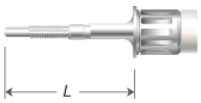
Length \ Diameter	Ø4.5	Ø5.5	Ø6.5
6	HDS 4506A	HDS 5506A	HDS 6506A
12	HDS 4512A	HDS 5512A	HDS 6512A

Ball Abutment Driver



Type	2.4 Hex
6	HD 2406A
12	HD 2412A

Removing Driver

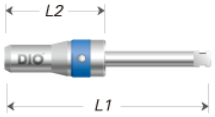


Length \ Type	M 2.0
15	HARD 2015A
20	HARD 2020A

Positioning Guide

Length \ Diameter	Ø2.0
7	PG 0060

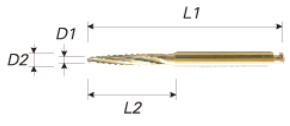
Drill Extension



L1 / L2	Code
29.7 / 15.7	DE 5529

Surgical Instruments

Lindemann Drill



L1/L2 \ D1/D2	Ø1.4/Ø2.0
30/14	RMH 2014S

Torque Wrench

Code	DTW 0060

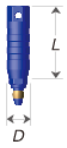
Open Wrench

Code	OW 002

Depth Gauge

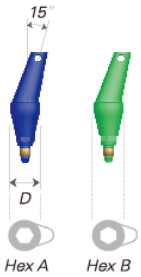
Code	DPI 2050

Path Pin



Length \ Diameter	Ø3.5
12	DPP 3512

Angled Path Pin



Diameter	Ø4.5	
Angled \ Type	Hex A	Hex B
15°	DAP 4515A	DAP 4515B
Color	Blue	Green

Surgical Protocol

Bone Level Application

Profile Drill

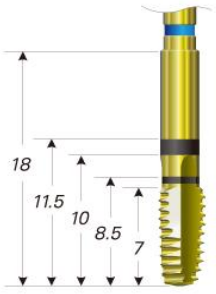
Lower
Used to reduce applicable torque on D2, D3 Bone.

Upper
Used to reduce applicable torque on D1, D2 Bone.

Bone Level 1mm Sub Surface Application

Tap Drill

Used to reduce applicable torque on D1, D2 Bone.
Note that when selecting tap drill, the length of tap drill should be one step less than fixture.
For example, in case of applying 11.5mm fixture on D1 bone, tapping should be 10mm.



www.dioimplant.com

DIO IMPLANT
66, Centum Seo-ro,
Haeundae-gu, Busan, 612-020, Korea
Tel.+82-51-745-7777 Fax.+82-51-745-7778

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