

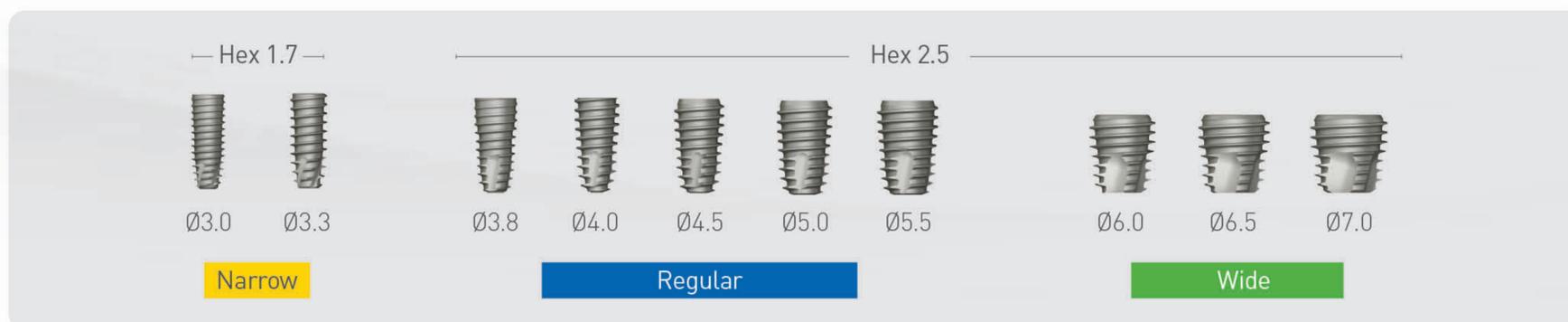
UFI *IMPLANT*

Internal Submerged System

DIO IMPLANT

Hybrid Type SLA Implant

UFII Implant



Open Thread

Fixture placement with minimum resistance.
Adjustable depth of insertion without additional drilling.

Upper Thread

Taper Thread, Initial Fixation

Dispersion of stress to upper fixture with taper thread applied on straight body. The increased depth of the thread getting lower toward the top improves blood supply and lessens the empty space in cortical bone. It reduces the time to create new bone.

Straight Body

Decrement of Bone Damage

The length of fixture is made by the change of body length. Therefore, long implant can be placed stably without arousing sudden changes during surgery as in straight type implant.

Apical Design

15° Taper Guide Gradually

With applying 15 degree taper, initial drilling is easy even less in weak-bone.

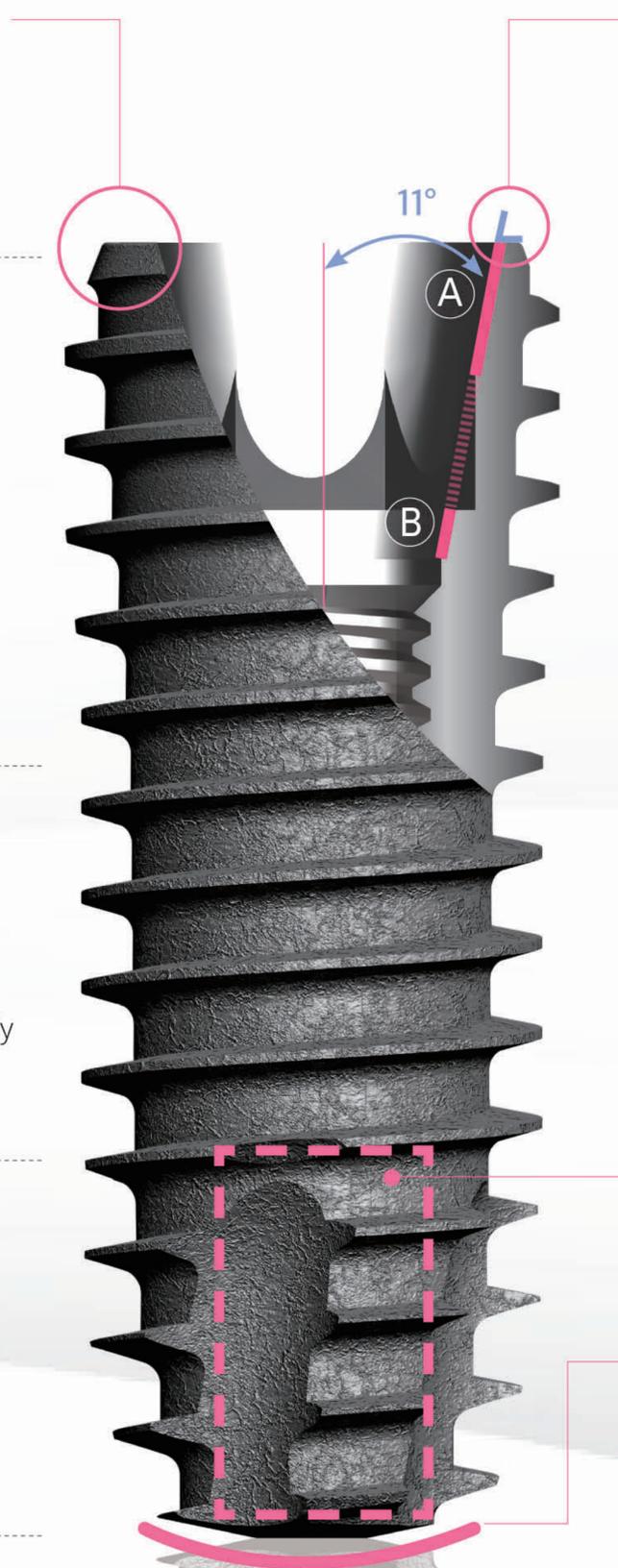
Platform Switching

Improve the long-term stability.
Prevent bone loss.

(A) + (B)

Dual Morse Tapered Contact Connection(11° Morse)

The Fixture & Abutment interface ensures hermetic sealing and enables distributing the load to the fixture evenly and minimizes bone loss.



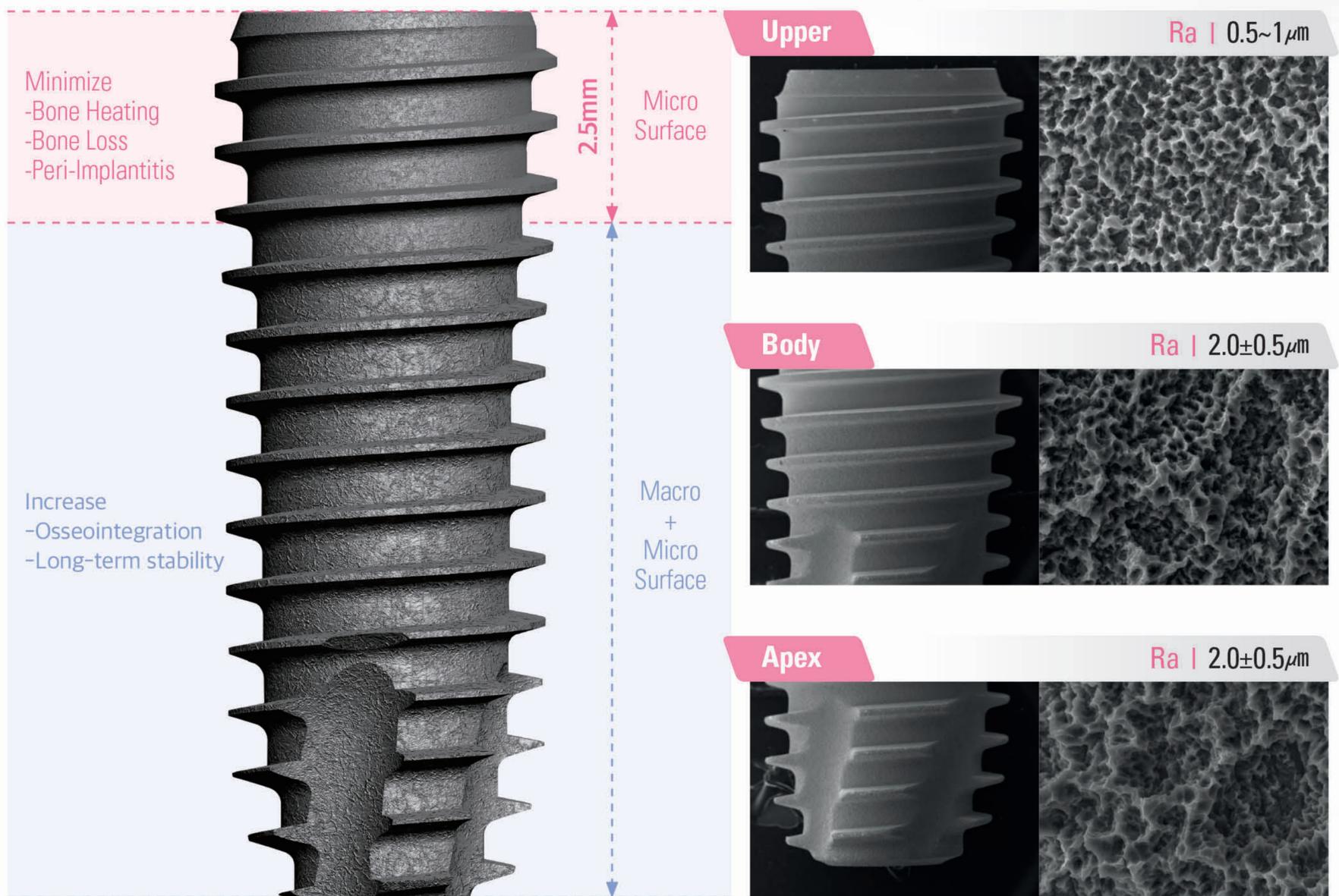
Cutting edge

Maximize the efficiency of self-tapping with a sharp edge.

Apex

Minimize tissue damage when used in approximation to maxillary sinus with rounded shape.

Hybrid Type SLA Implant

UFII Implant Surface HSA

Latest surface treatment technology to enhance osseointegration of titanium implants

Associate Professor Ho-Jun Song, Dental Materials Lab, Graduate School of Dental Medicine, Chonnam National University.

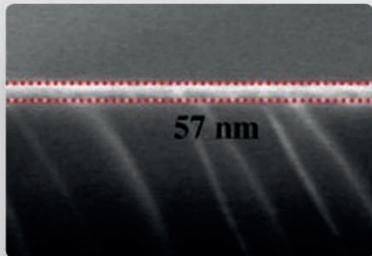
Titanium oxide films are classified into TiO, TiO₃ and TiO₂ based on the amount of oxygen bonded. TiO₂ is known as the most stable phase. Roughness on micro level of 1-10 has been reported¹⁾ to provide fast osseointegration response by increasing adhesiveness of osteoblast, facilitation differentiation, and increasing formation and mineralization of extracellular matrix (ECM). In addition, rough surface largely increases binding force between mineralized bone and implant surface. Based on theoretical approach to ideal roughness, Hassen and others²⁾ reported that a hemispherical pit with 1.5 depth and 3-5 diameter are optimal.

¹⁾ Abron A, Hopfensperger M, Thompson J, Cooper LF, Evaluation of a predictive model for implant surface 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 roughness and interfacial shear strength for bone-anchored implant. A mathematical model. Journal of Biomechanics 1999;32(8):829-836.

Hybrid Type SLA Implant

UFII Implant Surface UV Active

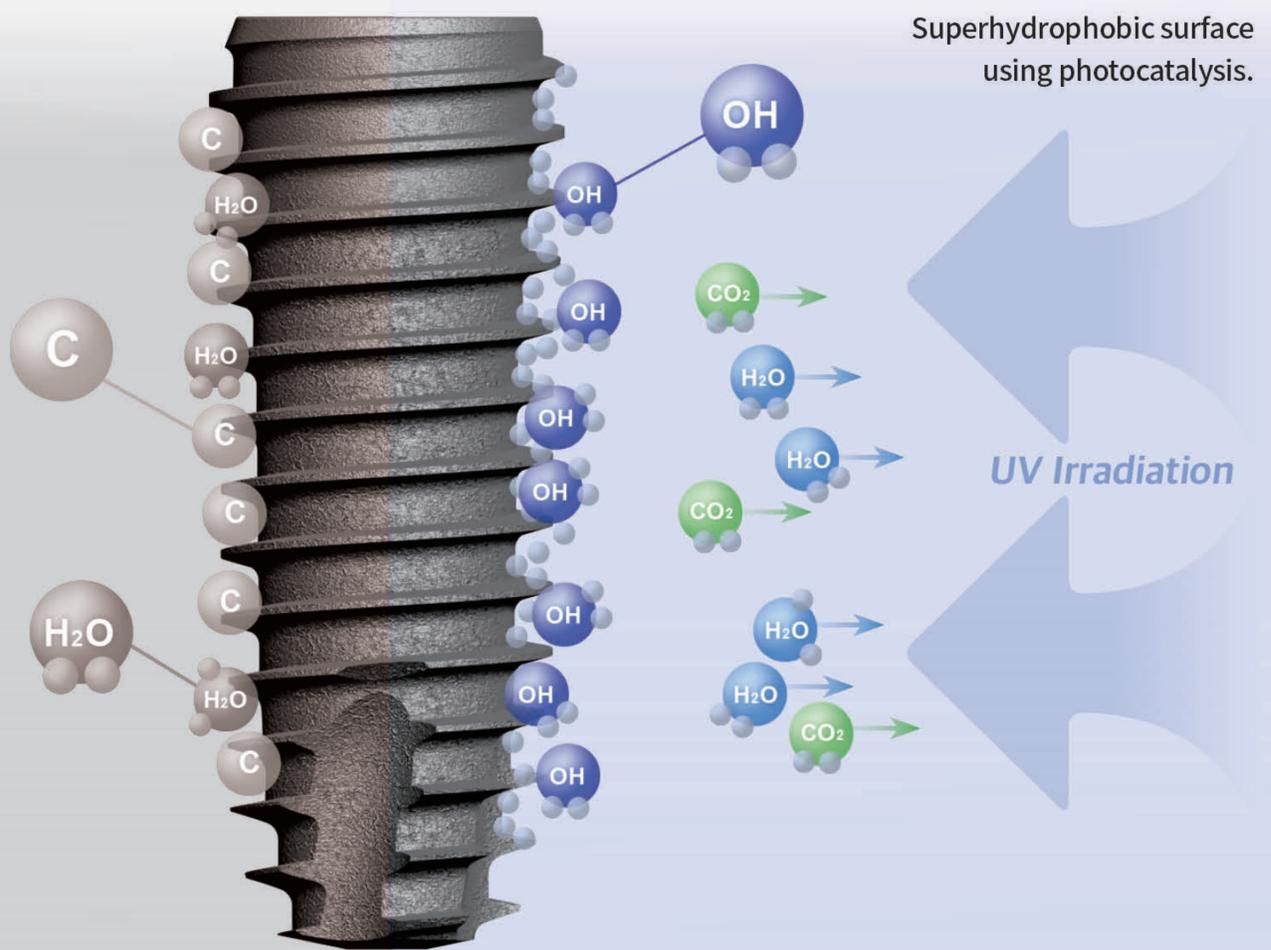


Implant surface

In the early stage of production, SLA surface-treated implants enhance osteocyte formation by forming a uniform TiO₂(Oxidation) layer.

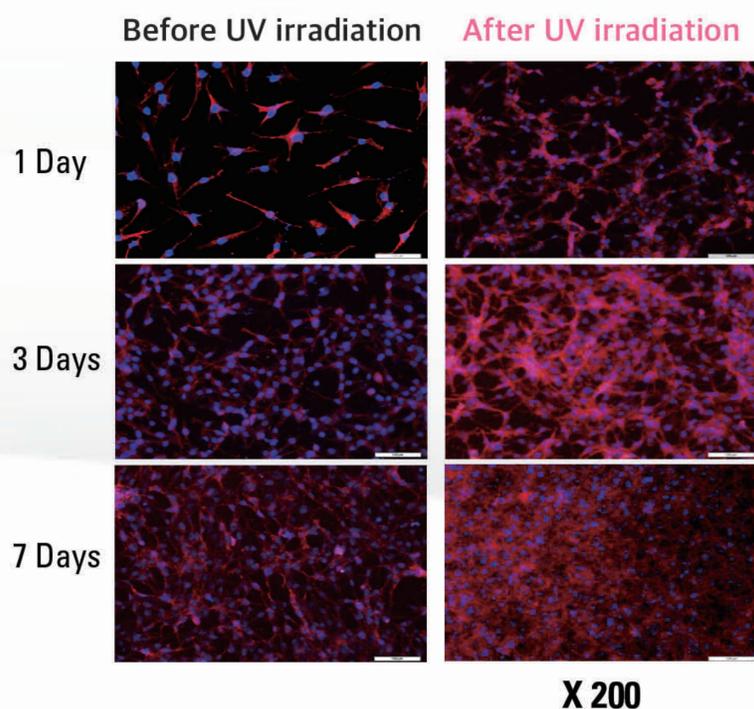
Biologic Aging

Biological aging on the Implant surface which interferes with osseointegration due to contamination by organic substances such as hydrocarbons in the air occurs over time.



Cell experiment (In Vitro Test). College & School of Dentistry Kyunghee University

MC3T3-E1 Proliferation



Cell growth rate of UV implant has increased rapidly after 3days.

The effect of Photocatalyst by UV irradiation

- 1 Organic removal of implant surface by photocatalytic action
- 2 The change of implant surface charge(- charge from to + charge) leads to fast osseointegration and active protein reaction
- 3 Increased surface oxygen concentration and chemical reaction to maintain superhydrophilic property and increase blood wettability

Faster and stronger osseointegration by UV photocatalyst effect

IMPLANT UFII SYSTEM

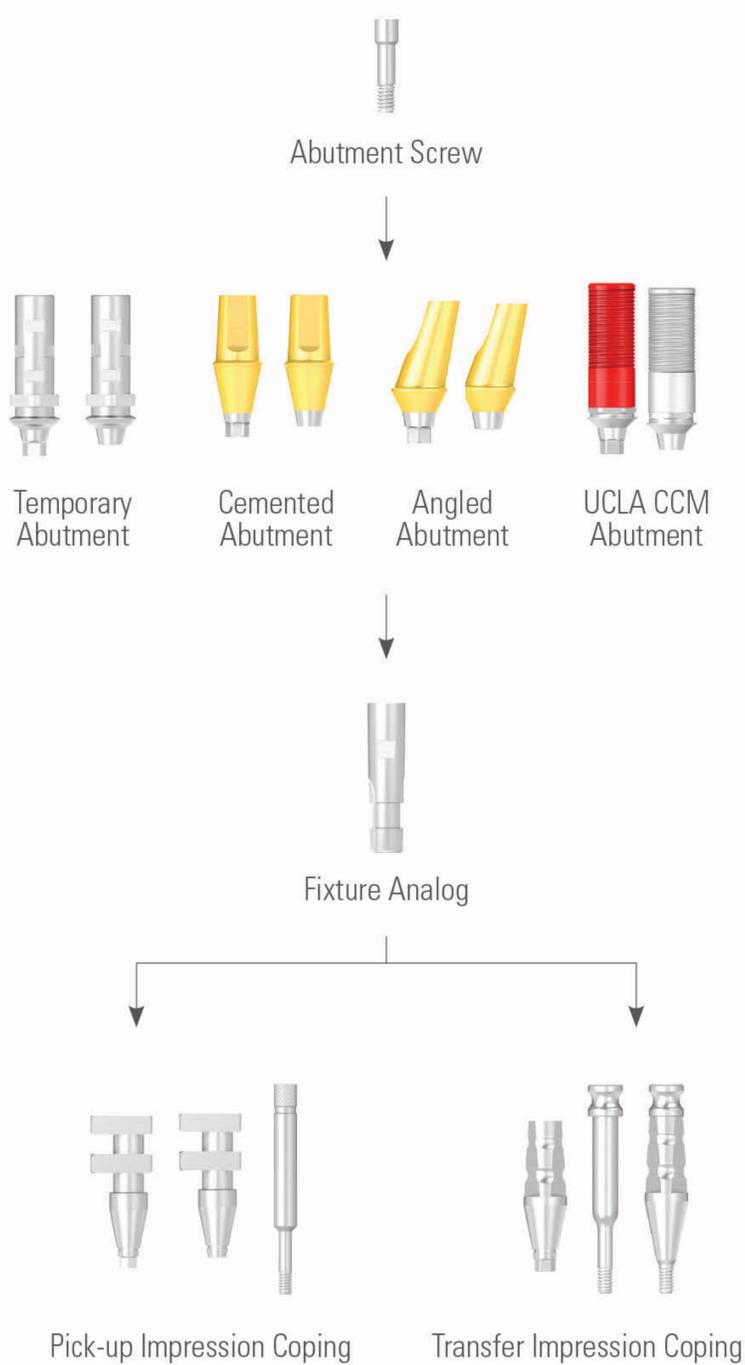
Narrow

Diameter : Ø3.0 / Ø3.3

Length : 8.5 / 10 / 11.5 / 13 / 15

Ø3.0 Fixture : Only for anterior

Implant Surface : HSA / UV Active

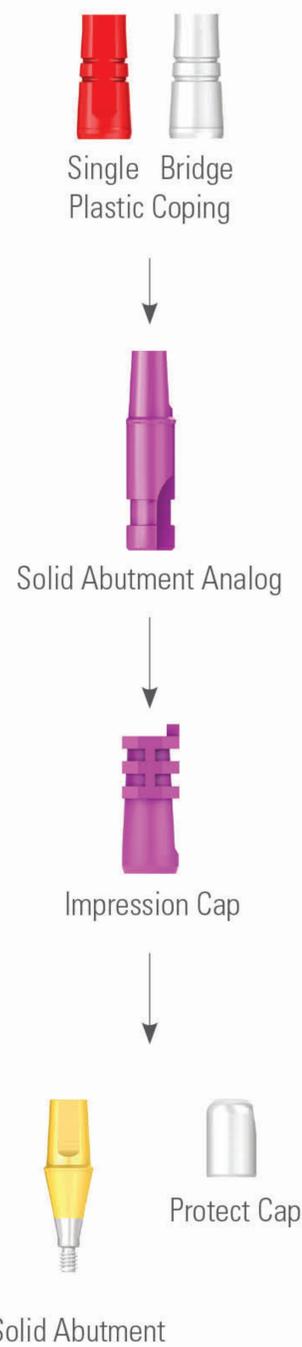


Cement-Retained Restorations

Temporary / Cemented / Angled Abutment

Screw-Retained Restorations

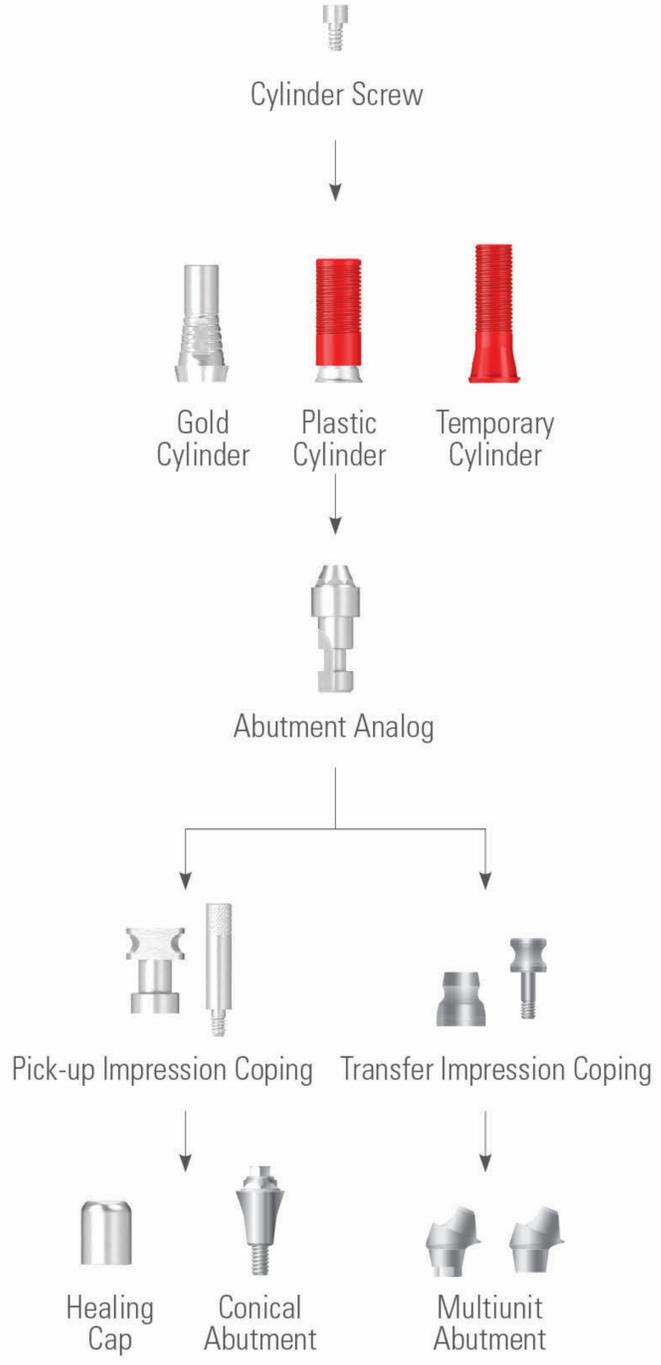
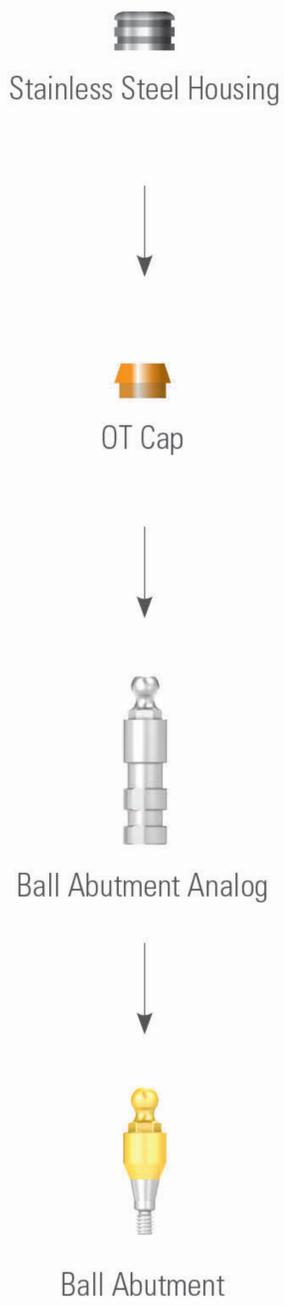
UCLA CCM Abutment



Cement-Retained Restorations

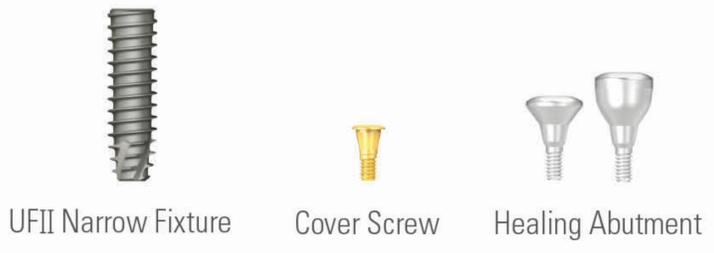
Solid Abutment





Overdenture-Retained Restorations
 Ball Abutment

Screw-Retained Restorations
 Multiunit / Conical Abutment



Narrow Fixture

Hex	Length	Ø3.0	Ø3.3
1.7	8.5	UF(II)N 3008S	UF(II)N 3308S
	10	UF(II)N 3010S	UF(II)N 3310S
	11.5	UF(II)N 3011S	UF(II)N 3311S
	13	UF(II)N 3013S	UF(II)N 3313S
	15	UF(II)N 3015S	UF(II)N 3315S
Apex		Ø1.6	Ø1.9

Healing Abutment

Height	Cuff	Ø4.1	Ø4.2	Ø4.6	Ø4.7
2	0	UNSHA 4020		UNSHA 4520	
4	2		UNSHA 4024		UNSHA 4524
5.5	3		UNSHA 4035		UNSHA 4535
7	4		UNSHA 4047		UNSHA 4547
8.5	5		UNSHA 4058		UNSHA 4558
10	6		UNSHA 4060		UNSHA 4560

Temporary Abutment

Cuff	Ø4.0	
	Hex (Guide Pin)	Non-Hex
1	UNSTA 4010H	UNSTA 4010N
3	UNSTA 4030H	UNSTA 4030N

Cemented Abutment

Cuff	Ø4.0			
	Hex		Non-Hex	
	L 5.5	L 7	L 5.5	L 7
1	UNSCA 40105H	UNSCA 40107H	UNSCA 40105N	UNSCA 40107N
2	UNSCA 40205H	UNSCA 40207H	UNSCA 40205N	UNSCA 40207N
3	UNSCA 40305H	UNSCA 40307H	UNSCA 40305N	UNSCA 40307N
4	UNSCA 40405H	UNSCA 40407H	UNSCA 40405N	UNSCA 40407N
5	UNSCA 40505H	UNSCA 40507H	UNSCA 40505N	UNSCA 40507N
6	UNSCA 40605H	UNSCA 40607H	UNSCA 40605N	UNSCA 40607N
7	UNSCA 40705H	UNSCA 40707H	UNSCA 40705N	UNSCA 40707N

Angled Abutment

Cuff	Ø4.0	
	Hex B	Non-Hex
2	UNSA A 402015BH	UNSA A 402015N
4	UNSA A 404015BH	UNSA A 404015N

UCLA CCM Abutment

Cuff	Ø4.0	
	Hex	Non Hex
1	UNSCCA 4010H[H]	UNSCCA 4010N[H]
3	UNSCCA 4030H[H]	UNSCCA 4030N[H]

Solid Abutment

Cuff	Ø4.0	
	L 5.5	L 7
1	UNSSA 40105	UNSSA 40107
2	UNSSA 40205	UNSSA 40207
3	UNSSA 40305	UNSSA 40307
4	UNSSA 40405	UNSSA 40407
5	UNSSA 40505	UNSSA 40507
6	UNSSA 40605	UNSSA 40607
7	UNSSA 40705	UNSSA 40707
Protect Cap	UNSA C 4005	UNSA C 4007

Ball Abutment

Length	Ø4.0
1	UNSBA 3510
2	UNSBA 3520
3	UNSBA 3530
4	UNSBA 3540
5	UNSBA 3550
6	UNSBA 3560
7	UNSBA 3570

Multiunit Abutment

Hex

Cuff	Angle 20°
2.5	UNSMUA 482520H
3	UNSMUA 483020H
4	UNSMUA 484020H
5	UNSMUA 485020H

Non-Hex

Cuff	Angle 20°
2.5	-
3	UNSMUA 483020N
4	UNSMUA 484020N
5	UNSMUA 485020N

IMPLANT UFII SYSTEM

Regular

Diameter : Ø3.8 / Ø4.0 / Ø4.5 / Ø5.0 / Ø5.5

Length : 7 / 8.5 / 10 / 11.5 / 13

Implant Surface : HSA / UV Active / MG+

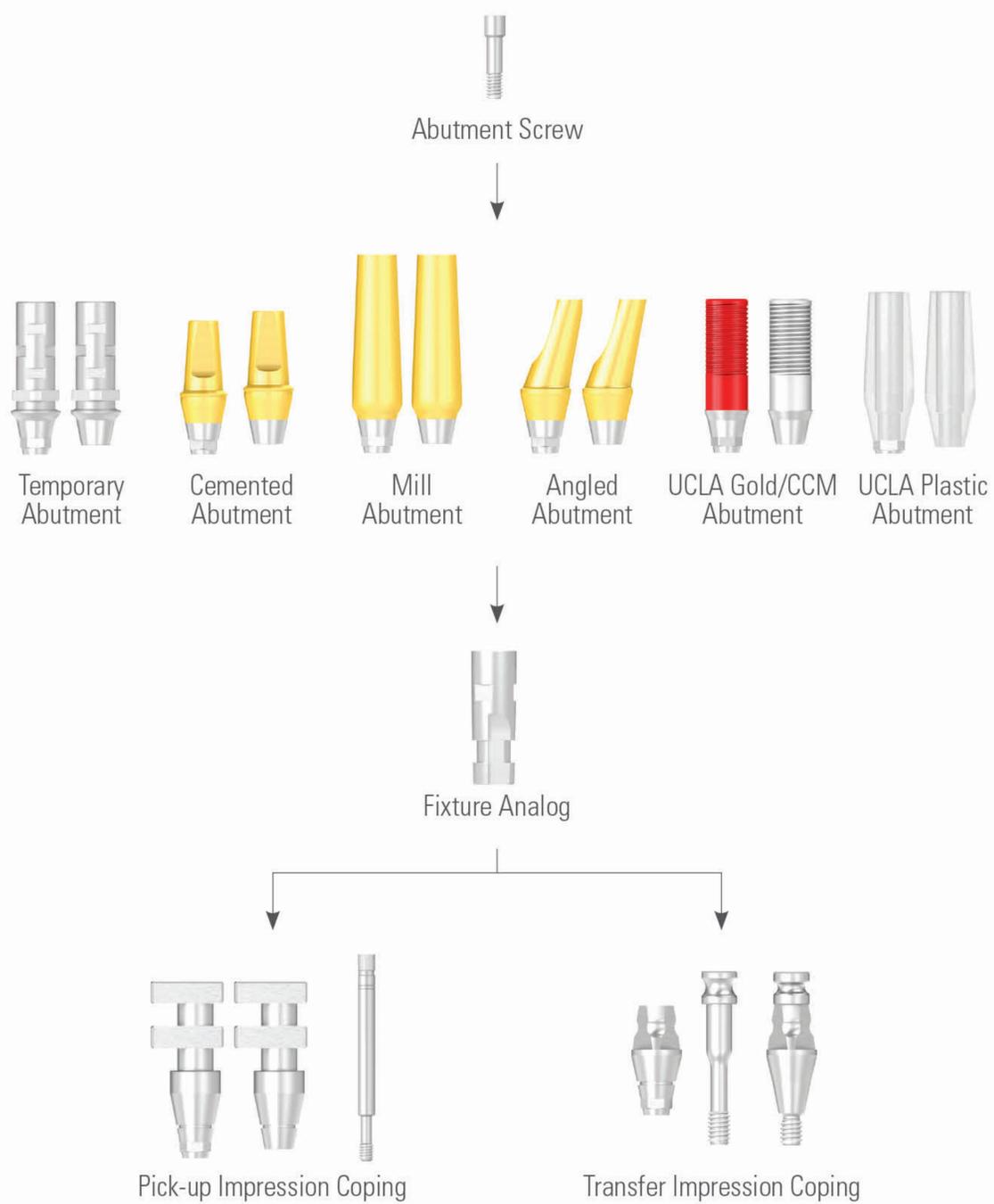
IMPLANT UFII SYSTEM

Wide

Diameter : Ø6.0 / Ø6.5 / Ø7.0

Length : 7 / 8.5 / 10 / 11.5

Implant Surface : HSA / UV Active / MG+



Cement-Retained Restorations

Temporary / Cemented / Mill / Angled Abutment

Screw-Retained Restorations

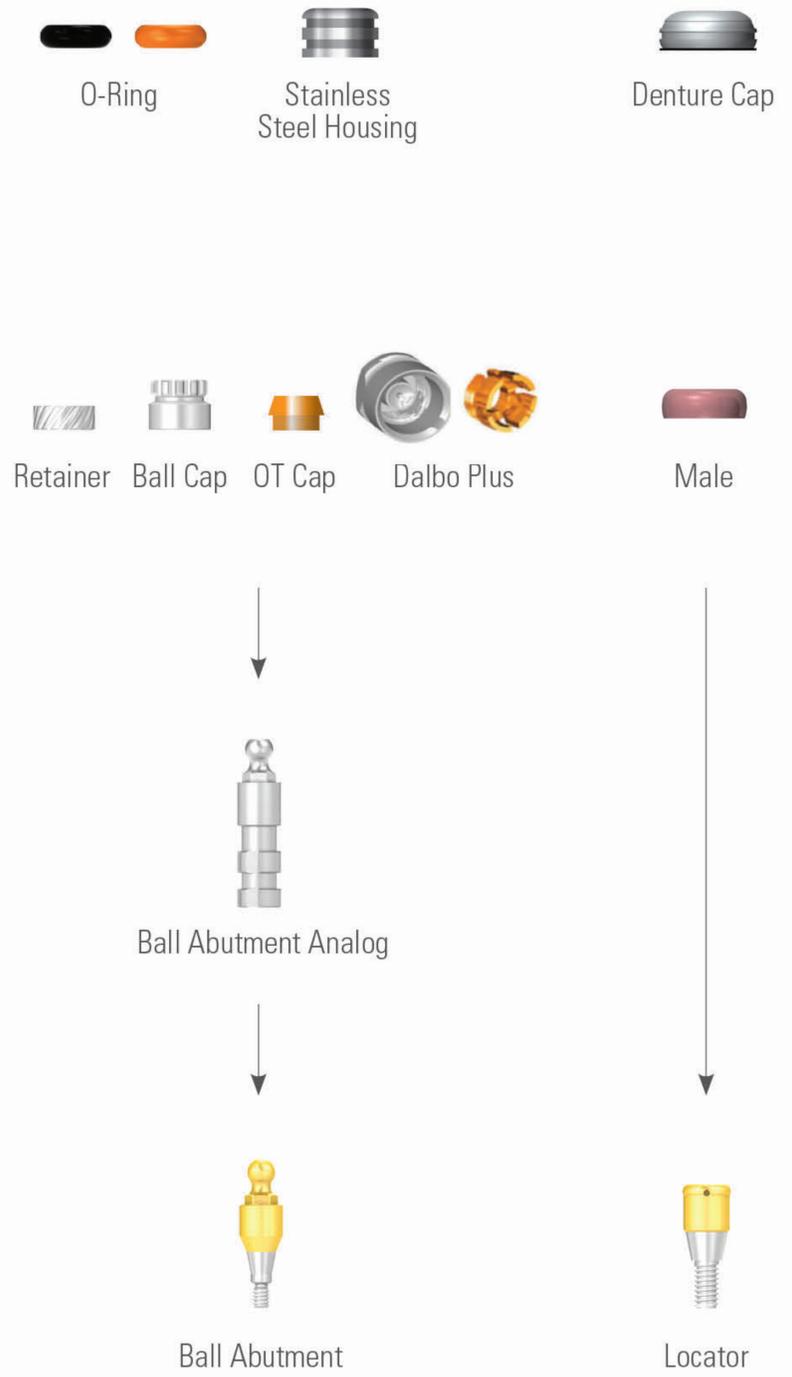
UCLA Gold / UCLA CCM / UCLA Plastic Abutment





Cement-Retained Restorations

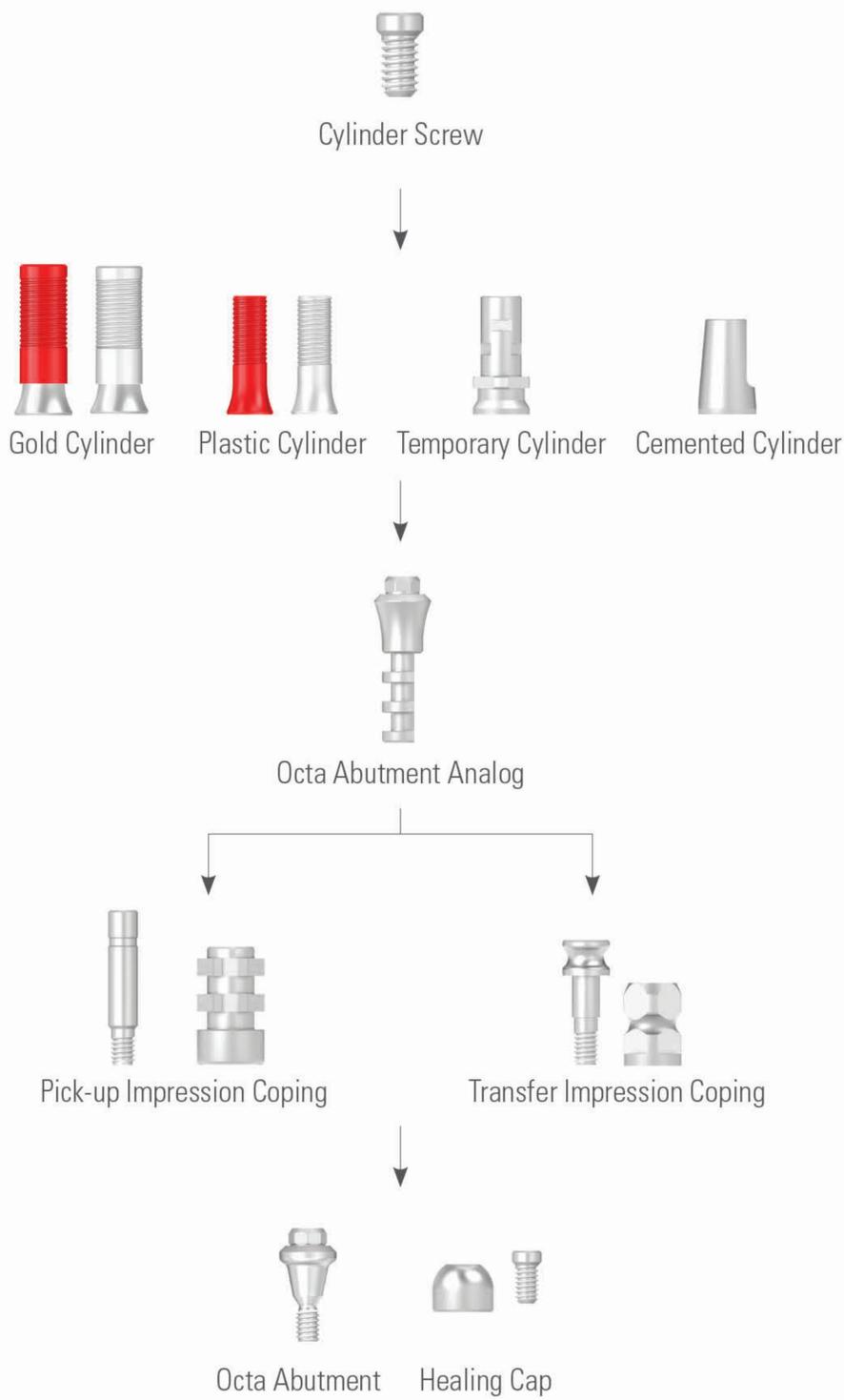
Solid Abutment



Overdenture-Retained Restorations

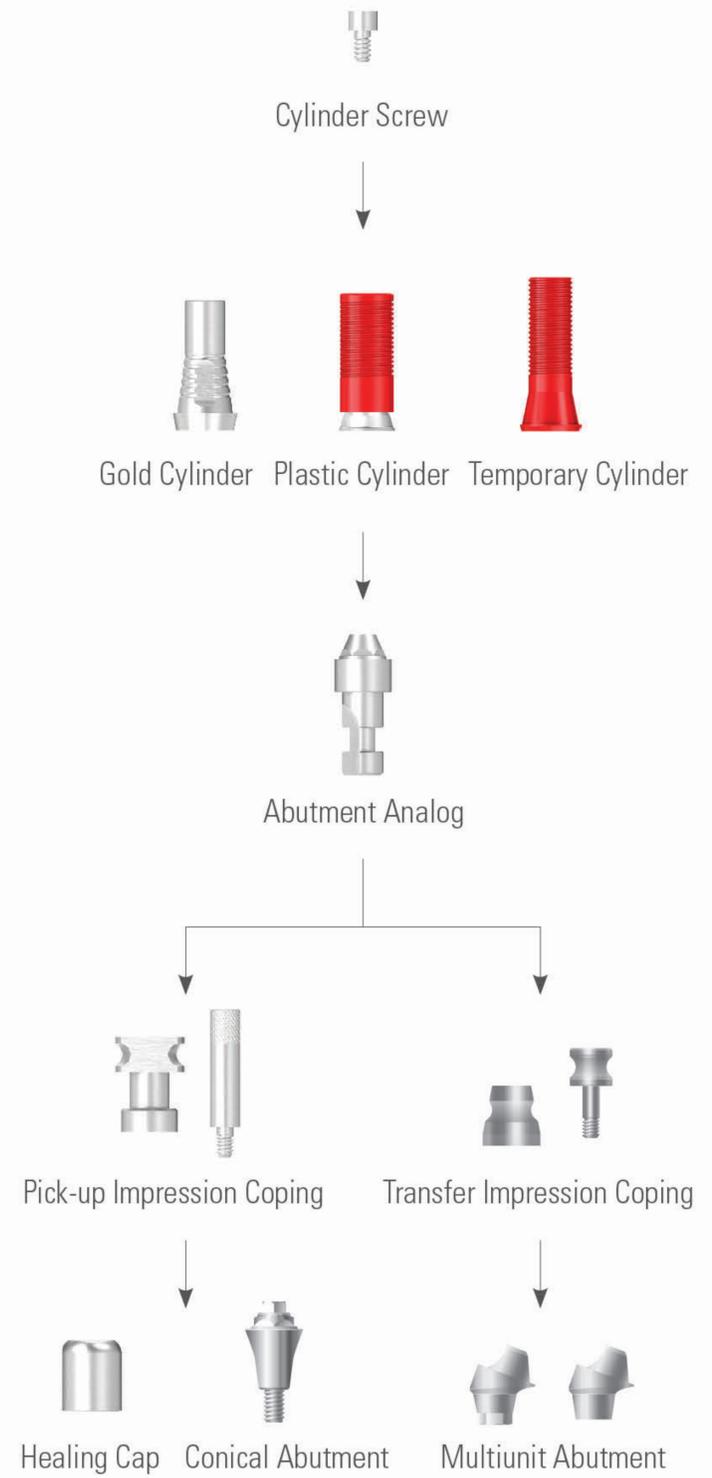
Ball Abutment / Locator





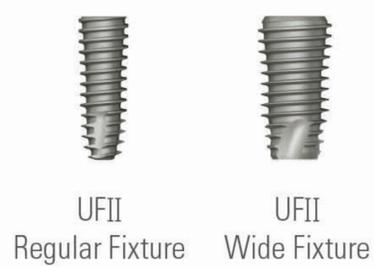
Screw-Retained Restorations

Octa Abutment



Screw-Retained Restorations

Multiunit / Conical Abutment



Regular Fixture

HSA Surface : HSA, UV Active, MG⁺

Hex	Length	Ø3.8	Ø4.0	Ø4.5	Ø5.0	Ø5.5
	7	-	-	UF(II) 4507S	UF(II) 5007S	UF(II) 5507S
	8.5	UF(II) 3808S	UF(II) 4008S	UF(II) 4508S	UF(II) 5008S	UF(II) 5508S
	10	UF(II) 3810S	UF(II) 4010S	UF(II) 4510S	UF(II) 5010S	UF(II) 5510S
2.5	11.5	UF(II) 3811S	UF(II) 4011S	UF(II) 4511S	UF(II) 5011S	UF(II) 5511S
	13	UF(II) 3813S	UF(II) 4013S	UF(II) 4513S	UF(II) 5013S	UF(II) 5513S
	15	UF(II) 3815S	UF(II) 4015S	UF(II) 4515S	UF(II) 5015S	UF(II) 5515S
	16	UF(II) 3816S	UF(II) 4016S	UF(II) 4516S	UF(II) 5016S	UF(II) 5516S
	18	UF(II) 3818S	UF(II) 4018S	UF(II) 4518S	UF(II) 5018S	UF(II) 5518S
Apex		Ø2.1	Ø2.2	Ø2.6	Ø3.1	Ø3.7

Wide Fixture

HSA Surface : HSA, UV Active

Hex	Length	Ø6.0	Ø6.5	Ø7.0
	7	UF(II) 6007S	UF(II) 6507S	UF(II) 7007S
	8.5	UF(II) 6008S	UF(II) 6508S	UF(II) 7008S
2.5	10	UF(II) 6010S	UF(II) 6510S	UF(II) 7010S
	11.5	UF(II) 6011S	UF(II) 6511S	UF(II) 7011S
	13	UF(II) 6013S	UF(II) 6513S	UF(II) 7013S
	15	UF(II) 6015S	UF(II) 6515S	UF(II) 7015S
Apex		Ø5.4	Ø5.9	Ø6.4

Healing Abutment

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

Height	Cuff	D1 - Ø4.6	D1 - Ø5.6	D1 - Ø6.6	D1 - Ø7.6
		D2 - Ø4.5	D2 - Ø5.5	D2 - Ø6.5	D2 - 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

Height	Cuff	D1 - Ø8.2	D1 - Ø9.2
		D2 - Ø8.0	D2 - Ø9.0
2	1	SSHA 8212	SSHA 9212
3	2	SSHA 8223	SSHA 9223
4	3	SSHA 8234	SSHA 9234
5	4	SSHA 8245	SSHA 9245

Temporary Abutment

Cuff	Ø4.5	
	Hex	Non-Hex
1	SSTA 4510H[H]	SSTA 4510N[H]
3	SSTA 4530H[H]	SSTA 4530N[H]

Cemented Abutment

Hex Type

Length	Cuff	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	1	SSCA 45104H(II)[H]	SSCA 55104H(II)[H]	SSCA 65104H(II)[H]	SSCA 75104H(II)[H]
	2	SSCA 45204H(II)[H]	SSCA 55204H(II)[H]	SSCA 65204H(II)[H]	SSCA 75204H(II)[H]
	3	SSCA 45304H(II)[H]	SSCA 55304H(II)[H]	SSCA 65304H(II)[H]	SSCA 75304H(II)[H]
	4	SSCA 45404H(II)[H]	SSCA 55404H(II)[H]	SSCA 65404H(II)[H]	SSCA 75404H(II)[H]
	5	SSCA 45504H(II)[H]	SSCA 55504H(II)[H]	SSCA 65504H(II)[H]	SSCA 75504H(II)[H]
5.5	1	SSCA 45105H(II)[H]	SSCA 55105H(II)[H]	SSCA 65105H(II)[H]	SSCA 75105H(II)[H]
	2	SSCA 45205H(II)[H]	SSCA 55205H(II)[H]	SSCA 65205H(II)[H]	SSCA 75205H(II)[H]
	3	SSCA 45305H(II)[H]	SSCA 55305H(II)[H]	SSCA 65305H(II)[H]	SSCA 75305H(II)[H]
	4	SSCA 45405H(II)[H]	SSCA 55405H(II)[H]	SSCA 65405H(II)[H]	SSCA 75405H(II)[H]
	5	SSCA 45505H(II)[H]	SSCA 55505H(II)[H]	SSCA 65505H(II)[H]	SSCA 75505H(II)[H]
7	1	SSCA 45107H(II)[H]	SSCA 55107H(II)[H]	SSCA 65107H(II)[H]	SSCA 75107H(II)[H]
	2	SSCA 45207H(II)[H]	SSCA 55207H(II)[H]	SSCA 65207H(II)[H]	SSCA 75207H(II)[H]
	3	SSCA 45307H(II)[H]	SSCA 55307H(II)[H]	SSCA 65307H(II)[H]	SSCA 75307H(II)[H]
	4	SSCA 45407H(II)[H]	SSCA 55407H(II)[H]	SSCA 65407H(II)[H]	SSCA 75407H(II)[H]
	5	SSCA 45507H(II)[H]	SSCA 55507H(II)[H]	SSCA 65507H(II)[H]	SSCA 75507H(II)[H]
Screw		SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

Non-Hex Type

Length	Cuff	Ø4.5	Ø5.5	Ø6.5	Ø7.5
4	1	SSCA 45104N(II)[H]	SSCA 55104N(II)[H]	SSCA 65104N(II)[H]	SSCA 75104N(II)[H]
	2	SSCA 45204N(II)[H]	SSCA 55204N(II)[H]	SSCA 65204N(II)[H]	SSCA 75204N(II)[H]
	3	SSCA 45304N(II)[H]	SSCA 55304N(II)[H]	SSCA 65304N(II)[H]	SSCA 75304N(II)[H]
	4	SSCA 45404N(II)[H]	SSCA 55404N(II)[H]	SSCA 65404N(II)[H]	SSCA 75404N(II)[H]
	5	SSCA 45504N(II)[H]	SSCA 55504N(II)[H]	SSCA 65504N(II)[H]	SSCA 75504N(II)[H]
5.5	1	SSCA 45105N(II)[H]	SSCA 55105N(II)[H]	SSCA 65105N(II)[H]	SSCA 75105N(II)[H]
	2	SSCA 45205N(II)[H]	SSCA 55205N(II)[H]	SSCA 65205N(II)[H]	SSCA 75205N(II)[H]
	3	SSCA 45305N(II)[H]	SSCA 55305N(II)[H]	SSCA 65305N(II)[H]	SSCA 75305N(II)[H]
	4	SSCA 45405N(II)[H]	SSCA 55405N(II)[H]	SSCA 65405N(II)[H]	SSCA 75405N(II)[H]
	5	SSCA 45505N(II)[H]	SSCA 55505N(II)[H]	SSCA 65505N(II)[H]	SSCA 75505N(II)[H]

7	1	SSCA 45107N(II)[H]	SSCA 55107N(II)[H]	SSCA 65107N(II)[H]	SSCA 75107N(II)[H]
	2	SSCA 45207N(II)[H]	SSCA 55207N(II)[H]	SSCA 65207N(II)[H]	SSCA 75207N(II)[H]
	3	SSCA 45307N(II)[H]	SSCA 55307N(II)[H]	SSCA 65307N(II)[H]	SSCA 75307N(II)[H]
	4	SSCA 45407N(II)[H]	SSCA 55407N(II)[H]	SSCA 65407N(II)[H]	SSCA 75407N(II)[H]
	5	SSCA 45507N(II)[H]	SSCA 55507N(II)[H]	SSCA 65507N(II)[H]	SSCA 75507N(II)[H]
Screw	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H	

Angled Abutment

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

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

Octa Abutment

Cuff	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

UCLA Abutment

Gold Type

Cuff	Ø4.5	
	Hex	Non Hex
1	SSGA 4510H[H]	SSGA 4510N[H]
3	SSGA 4530H[H]	SSGA 4530N[H]

CCM Type

Cuff	Ø4.0		Ø4.5	
	Hex	Non Hex	Hex	Non Hex
1	CCSS 4010H[H]	CCSS 4010N[H]	CCSS 4510H[H]	CCSS 4510N[H]
3			CCSS 4530H[H]	CCSS 4530N[H]

Solid Abutment

Length	Cuff	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

Ball Abutment

Length	Ø3.5
1	SSBA 3510
2	SSBA 3520
3	SSBA 3530
4	SSBA 3540
5	SSBA 3550
6	SSBA 3560

Multiunit Abutment

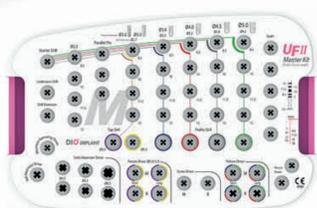
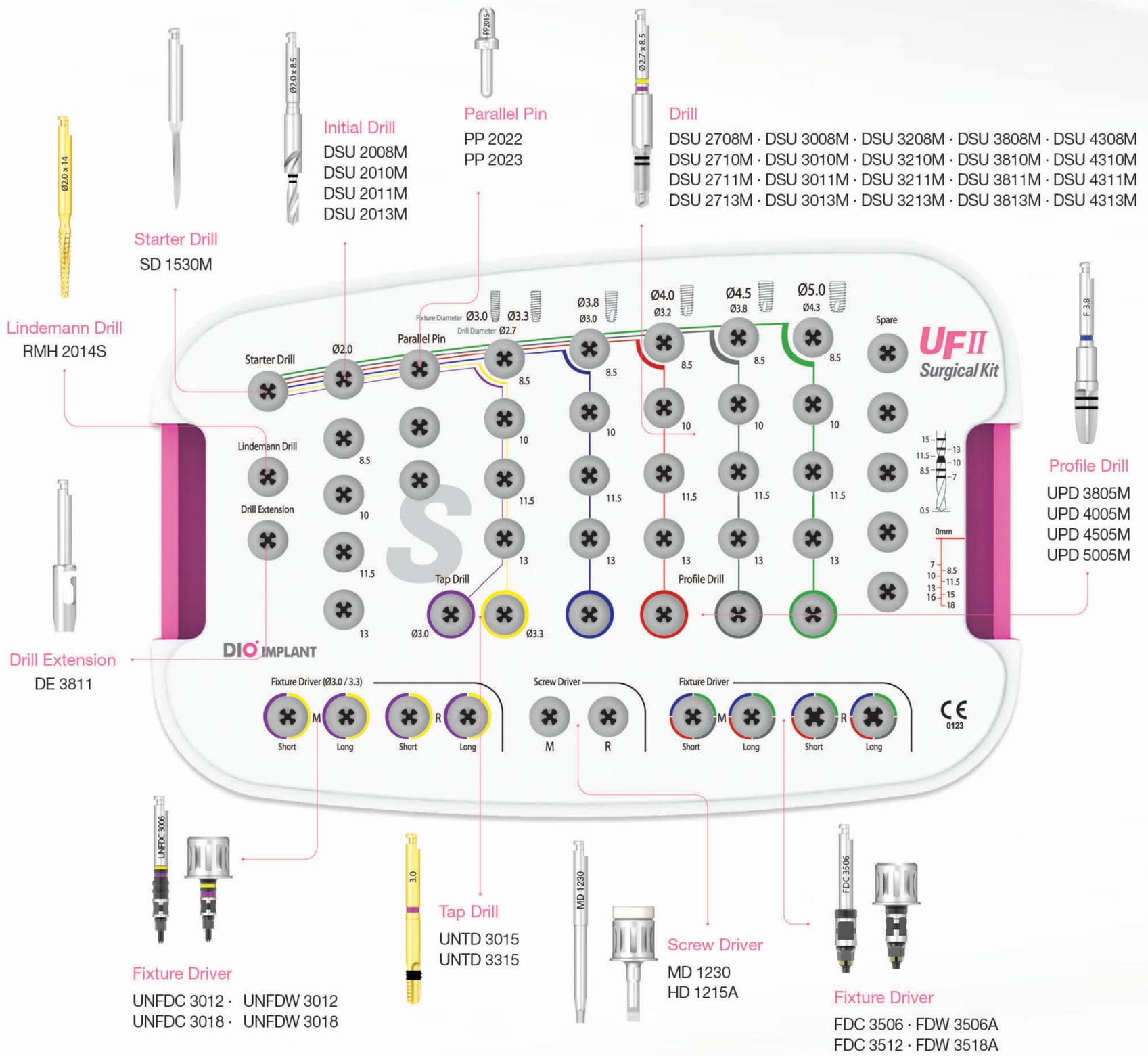
Hex

Cuff	Angle 20°	Angle 30°
2.5	UMA 482520H	-
3	UMA 483020H	UMA 483030H
4	UMA 484020H	UMA 484030H
5	UMA 485020H	UMA 485030H

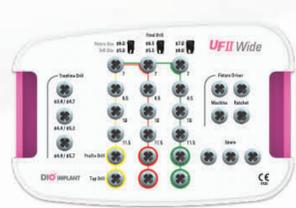
Non-Hex

Cuff	Angle 20°	Angle 30°
2.5	UMA 482520N	-
3	UMA 483020N	UMA 483030N
4	UMA 484020N	UMA 484030N
5	UMA 485020N	UMA 485030N

KIT UFII Int. Submerged



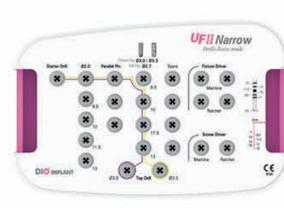
UFII Master Kit



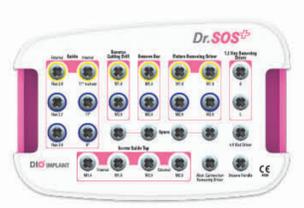
UFII Wide Kit



Sinus Master Kit



UFII Narrow Kit



Dr.SOS+ Kit

UFII IMPLANT

Over

3,500,000

has been placed

(Accumulated sales no. as of Mar.2018)

Full line-up from narrow to wide type with qualified UFII fixture design.



UFII Narrow

UFII Regular

UFII Wide

DIO IMPLANT

