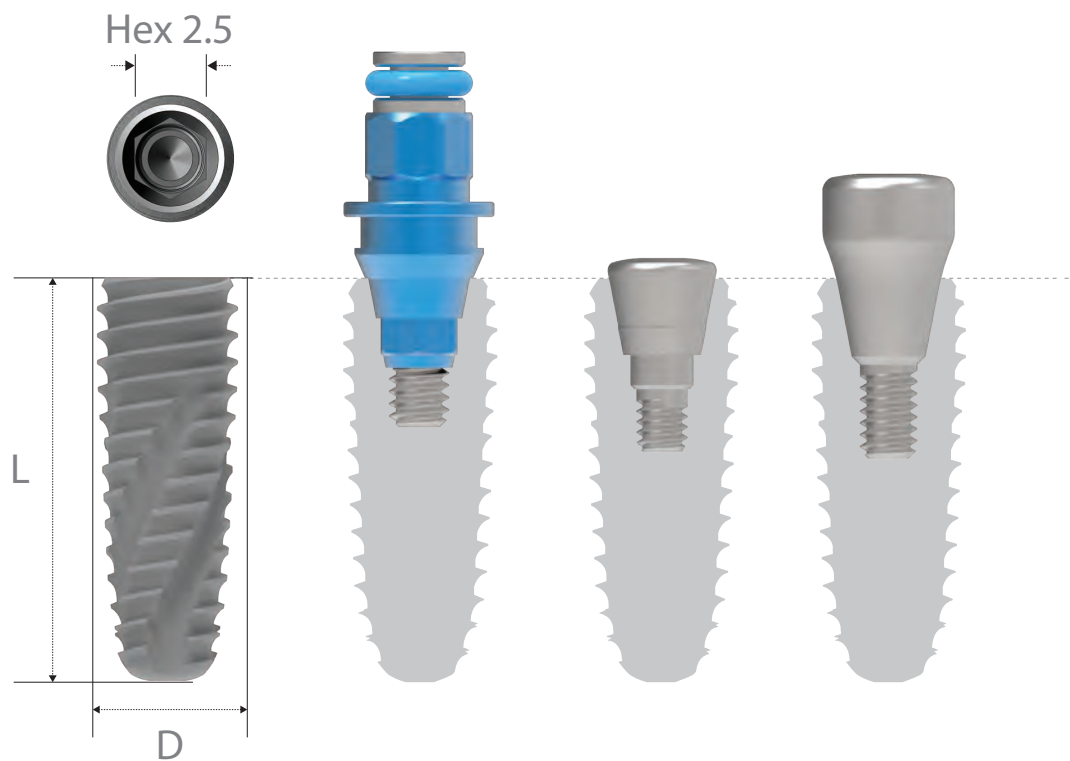


INNO Submerged Implant



Submerged Fixture
Surface Treatment: **SLA-SH**

- > Interchangeable with hexagonal morse tapered fixture
- > Internal hex connection (Taper 11°/ Hex 2.5)



INNO Fixture Code

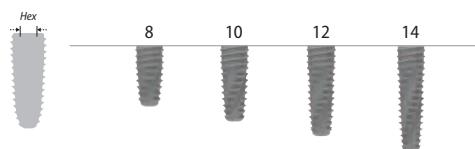
S	T	40	10	S	M	* Ex.)
Type	body	Diameter	Length	Surface Treatment	Mount	SLA No-Mount
Submerged	Taper	Ø 4.0	10 mm	SLA	No-Mount	ST4010SM

S	T	40	10	S		* Ex.)
Type	body	Diameter	Length	Surface Treatment	Mount	SLA Pre-Mount
Submerged	Taper	Ø 4.0	10 mm	SLA	Pre-Mount	ST4010S

No-Mount > 포장단위 : 1 Fixture + 1 Cover Screw

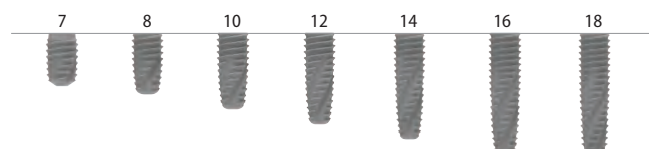
Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	ST3508SM
10	ST3510SM
12	ST3512SM
14	ST3514SM



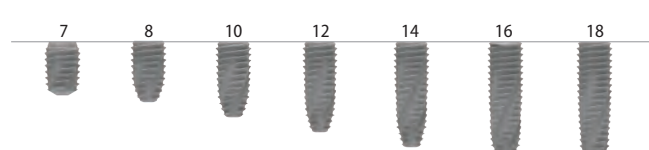
Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	ST4007SM
8	ST4008SM
10	ST4010SM
12	ST4012SM
14	ST4014SM
16	ST4016SM
18	ST4018SM



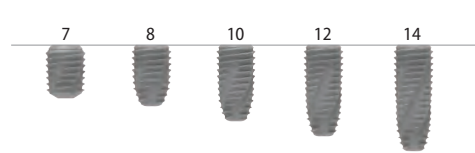
Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	ST4507SM
8	ST4508SM
10	ST4510SM
12	ST4512SM
14	ST4514SM
16	ST4516SM
18	ST4518SM



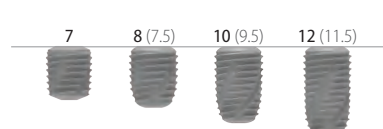
Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	ST5007SM
8	ST5008SM
10	ST5010SM
12	ST5012SM
14	ST5014SM



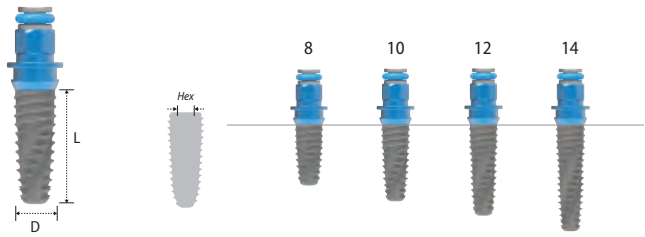
Diameter **Ø6.0**
Length
(실제 길이)

7	ST6007SM
8 (7.5)	ST6008SM
10 (9.5)	ST6010SM
12 (11.5)	ST6012SM
14	-

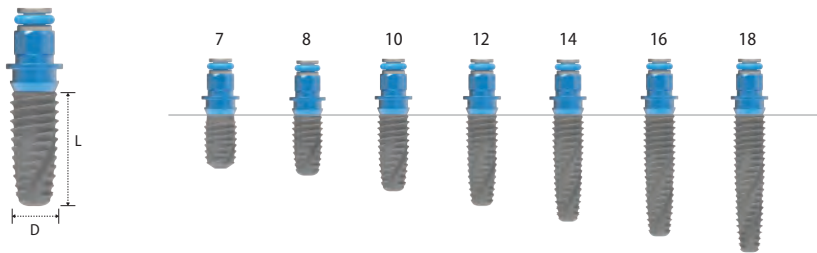


Pre-Mount > 포장단위 : 1 Fixture + 1 Cover Screw 1 + 1 Mount

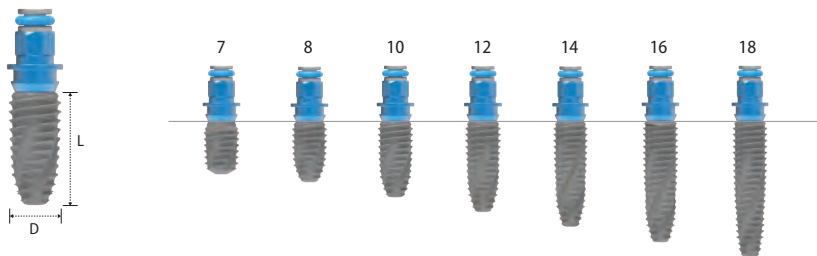
Diameter (실직경)	Ø3.5 (Ø3.7)
Length	
7	-
8	ST3508S
10	ST3510S
12	ST3512S
14	ST3514S



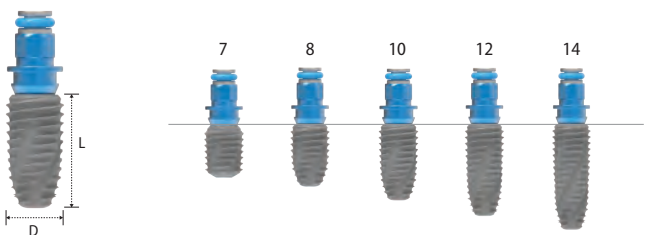
Diameter (실직경)	Ø4.0 (Ø4.2)
Length	
7	ST4007S
8	ST4008S
10	ST4010S
12	ST4012S
14	ST4014S
16	ST4016S
18	ST4018S



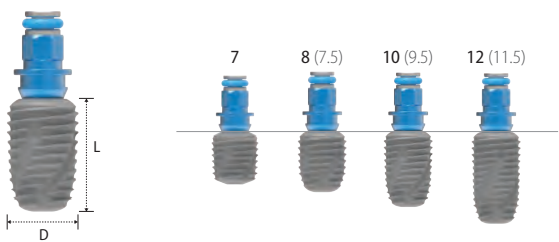
Diameter (실직경)	Ø4.5 (Ø4.6)
Length	
7	ST4507S
8	ST4508S
10	ST4510S
12	ST4512S
14	ST4514S
16	ST4516S
18	ST4518S



Diameter (실직경)	Ø5.0 (Ø5.1)
Length	
7	ST5007S
8	ST5008S
10	ST5010S
12	ST5012S
14	ST5014S



Diameter	Ø6.0
Length (실제 길이)	
7	ST6007S
8 (7.5)	ST6008S
10 (9.5)	ST6010S
12 (11.5)	ST6012S
14	-

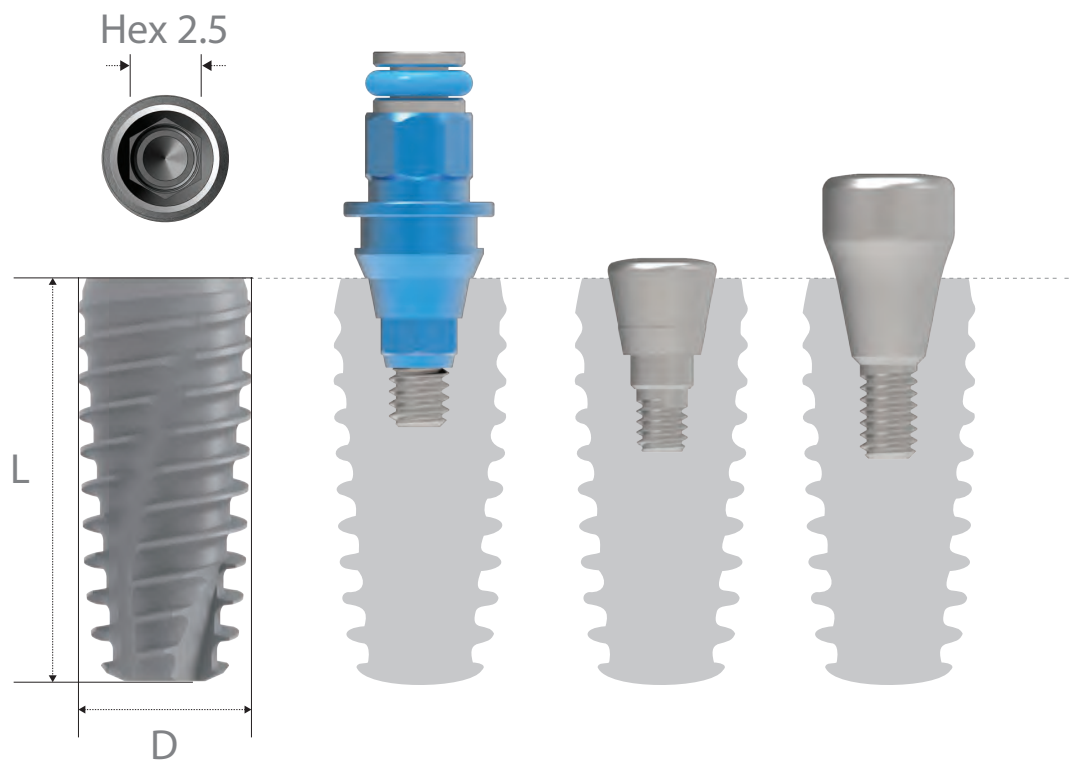


INNO X Implant



Submerged Fixture
Surface Treatment: **SLA-SH**

- > Interchangeable with hexagonal morse tapered fixture
- > Internal hex connection (Taper 11°/ Hex 2.5)
- > 2 spiral round cutting edge & 2 Flat cutting edge



INNO Fixture Code

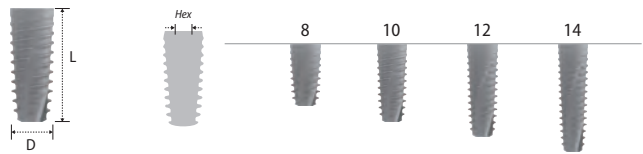
2	S	T	40	10	S	M	* Ex.)
Type	Type	body	Diameter	Length	Surface Treatment	Mount	SLA No-Mount
X	Submerged	Taper	Ø4.0	10mm	SLA	No-Mount	2ST4010SM

2	S	T	40	10	S		* Ex.)
Type	Type	body	Diameter	Length	Surface Treatment	Mount	SLA Pre-Mount
X	Submerged	Taper	Ø4.0	10mm	SLA	Pre-Mount	2ST4010S

No-Mount > 포장단위 : 1 Fixture + 1 Cover Screw

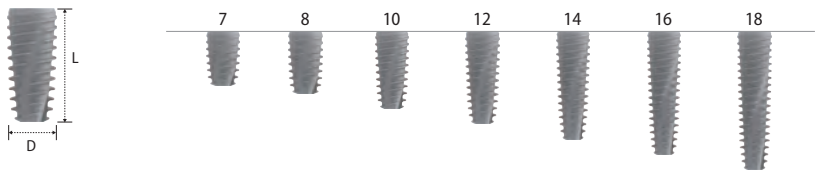
Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	2ST3508SM
10	2ST3510SM
12	2ST3512SM
14	2ST3514SM



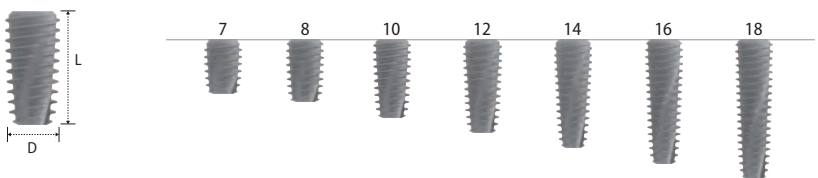
Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	2ST4007SM
8	2ST4008SM
10	2ST4010SM
12	2ST4012SM
14	2ST4014SM
16	2ST4016SM
18	2ST4018SM



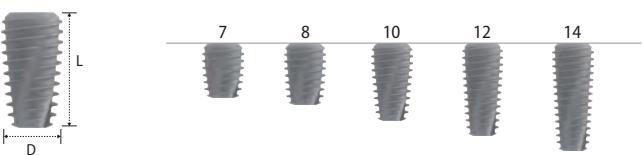
Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	2ST4507SM
8	2ST4508SM
10	2ST4510SM
12	2ST4512SM
14	2ST4514SM
16	2ST4516SM
18	2ST4518SM



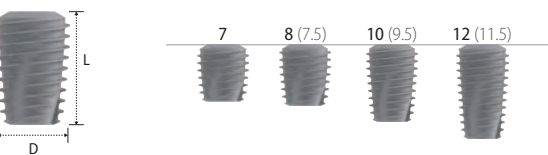
Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	2ST5007SM
8	2ST5008SM
10	2ST5010SM
12	2ST5012SM
14	2ST5014SM



Diameter **Ø6.0**
Length
(실제 길이)

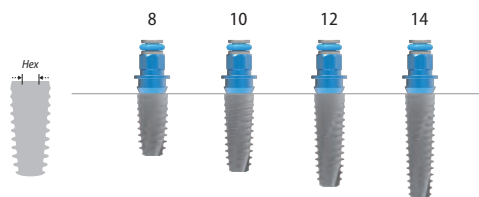
7	2ST6007SM
8 (7.5)	2ST6008SM
10 (9.5)	2ST6010SM
12 (11.5)	2ST6012SM
14	-



Pre-Mount > 포장단위 : 1 Fixture + 1 Cover Screw 1 + 1 Mount

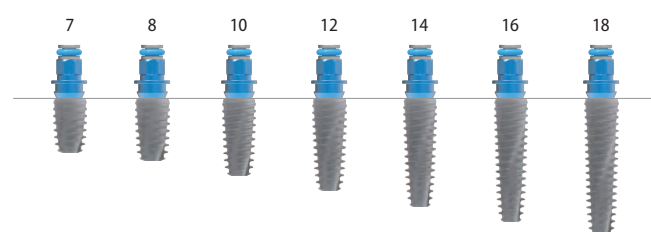
Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	2ST3508S
10	2ST3510S
12	2ST3512S
14	2ST3514S



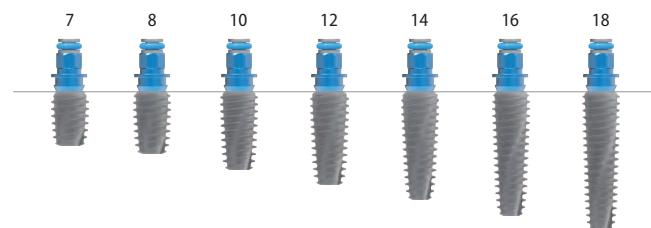
Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	2ST4007S
8	2ST4008S
10	2ST4010S
12	2ST4012S
14	2ST4014S
16	2ST4016S
18	2ST4018S



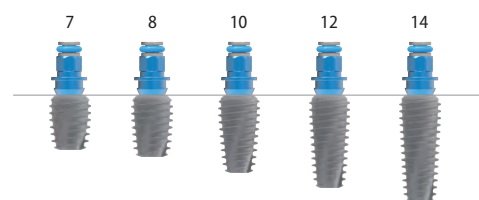
Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	2ST4507S
8	2ST4508S
10	2ST4510S
12	2ST4512S
14	2ST4514S
16	2ST4516S
18	2ST4518S



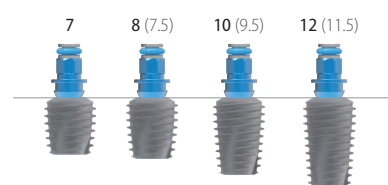
Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	2ST5007S
8	2ST5008S
10	2ST5010S
12	2ST5012S
14	2ST5014S



Diameter **Ø6.0**
Length (실제 길이)

7	2ST6007S
8 (7.5)	2ST6008S
10 (9.5)	2ST6010S
12 (11.5)	2ST6012S
14	-

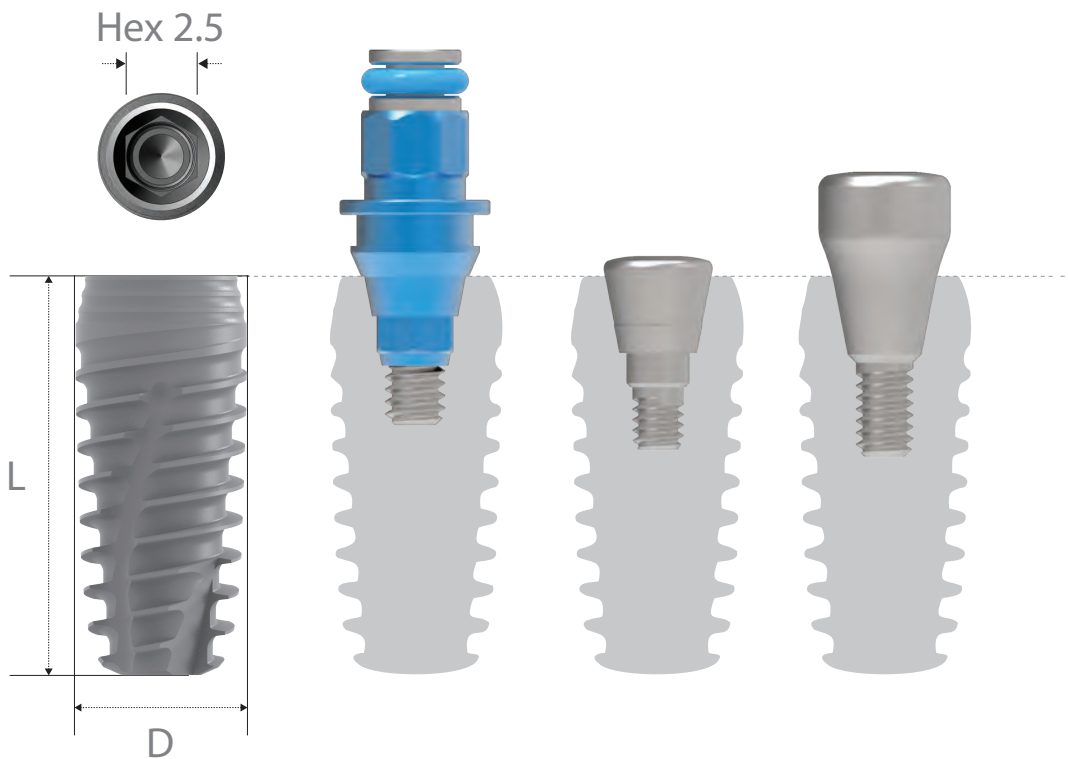


INNO V Implant



Submerged Fixture
Surface Treatment: **SLA-SH**

- > Interchangeable with hexagonal morse tapered fixture
- > Internal hex connection (Taper 11°/ Hex 2.5)
- > 2 spiral round cutting edge & 2 Flat cutting edge



INNO Fixture Code

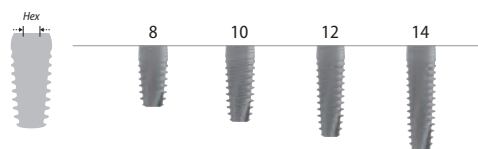
I2	S	T	40	10	S	M	* Ex.)
Type	Type	body	Diameter	Length	Surface Treatment	Mount	
V	Submerged	Taper	Ø4.0	10mm	SLA	No-Mount	SLA No-Mount
							I2ST4010SM

I2	S	T	40	10	S		* Ex.)
Type	Type	body	Diameter	Length	Surface Treatment	Mount	
V	Submerged	Taper	Ø4.0	10mm	SLA	Pre-Mount	SLA Pre-Mount
							I2ST4010S

No-Mount > 포장단위 : 1 Fixture + 1 Cover Screw

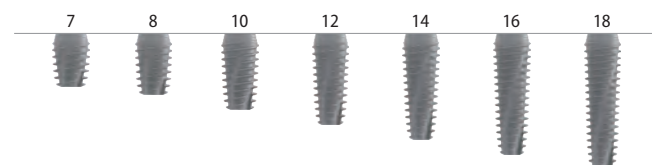
Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	I2ST3508SM
10	I2ST3510SM
12	I2ST3512SM
14	I2ST3514SM



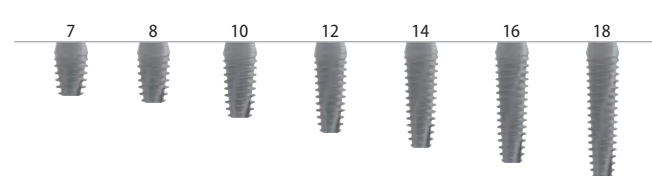
Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	I2ST4007SM
8	I2ST4008SM
10	I2ST4010SM
12	I2ST4012SM
14	I2ST4014SM
16	I2ST4016SM
18	I2ST4018SM



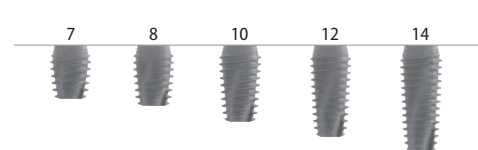
Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	I2ST4507SM
8	I2ST4508SM
10	I2ST4510SM
12	I2ST4512SM
14	I2ST4514SM
16	I2ST4516SM
18	I2ST4518SM



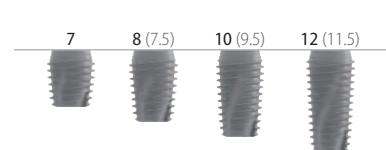
Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	I2ST5007SM
8	I2ST5008SM
10	I2ST5010SM
12	I2ST5012SM
14	I2ST5014SM



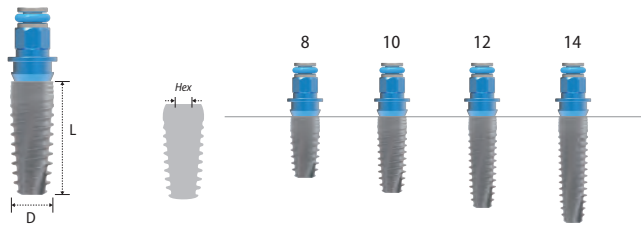
Diameter **Ø6.0**
Length
(실제 길이)

7	I2ST6007SM
8 (7.5)	I2ST6008SM
10 (9.5)	I2ST6010SM
12 (11.5)	I2ST6012SM
14	-

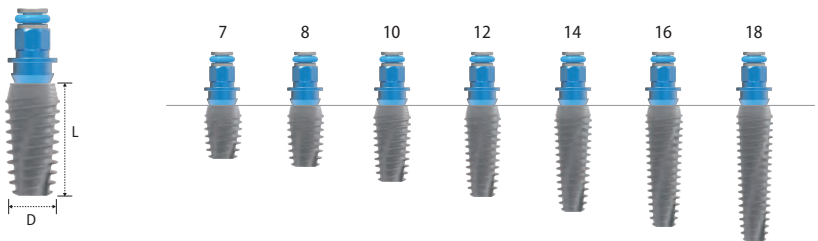


Pre-Mount > 포장단위 : 1 Fixture + 1 Cover Screw 1 + 1 Mount

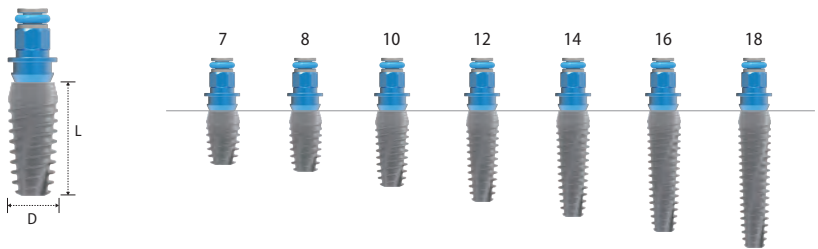
Diameter (실직경)		Ø3.5 (Ø3.7)
Length		
7		-
8	I2ST3508S	
10	I2ST3510S	
12	I2ST3512S	
14	I2ST3514S	



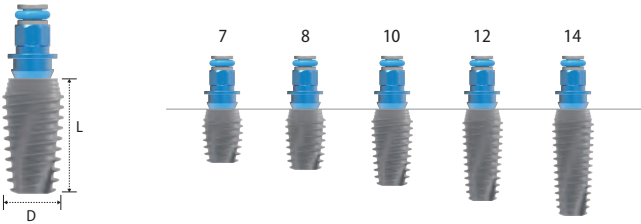
Diameter (실직경)		Ø4.0 (Ø4.2)
Length		
7	I2ST4007S	
8	I2ST4008S	
10	I2ST4010S	
12	I2ST4012S	
14	I2ST4014S	
16	I2ST4016S	
18	I2ST4018S	



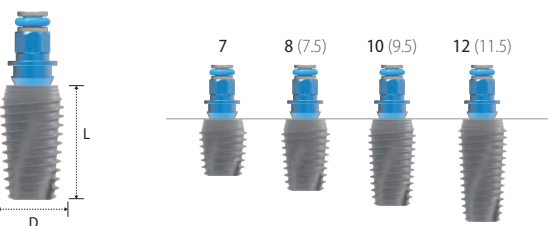
Diameter (실직경)		Ø4.5 (Ø4.6)
Length		
7	I2ST4507S	
8	I2ST4508S	
10	I2ST4510S	
12	I2ST4512S	
14	I2ST4514S	
16	I2ST4516S	
18	I2ST4518S	



Diameter (실직경)		Ø5.0 (Ø5.1)
Length		
7	I2ST5007S	
8	I2ST5008S	
10	I2ST5010S	
12	I2ST5012S	
14	I2ST5014S	



Diameter		Ø6.0
Length (실제 길이)		
7	I2ST6007S	
8 (7.5)	I2ST6008S	
10 (9.5)	I2ST6010S	
12 (11.5)	I2ST6012S	
14	-	



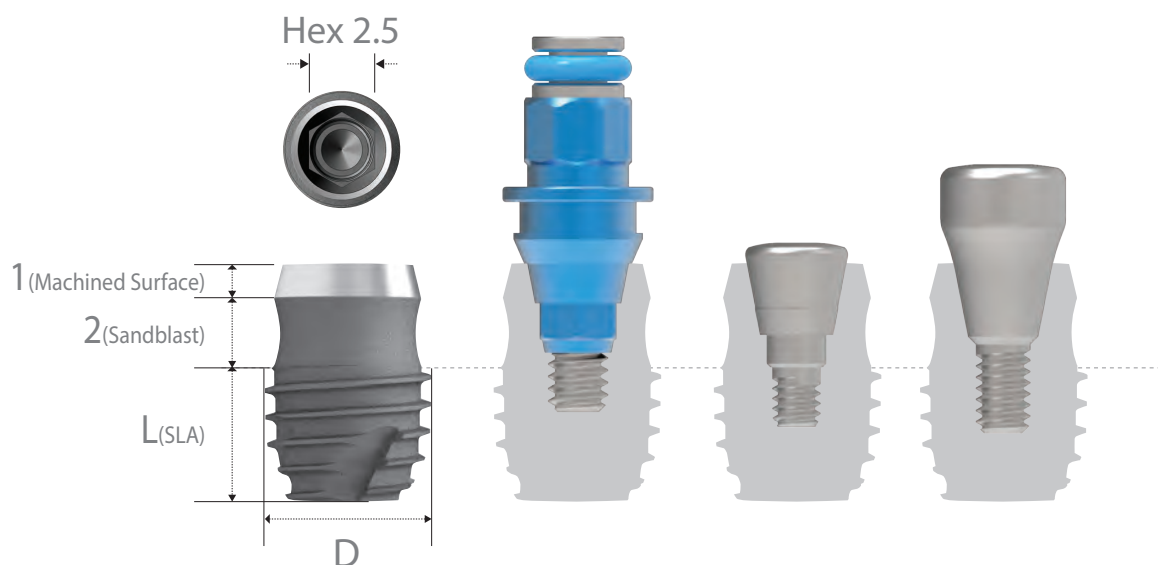
INNO Submerged Short Implant



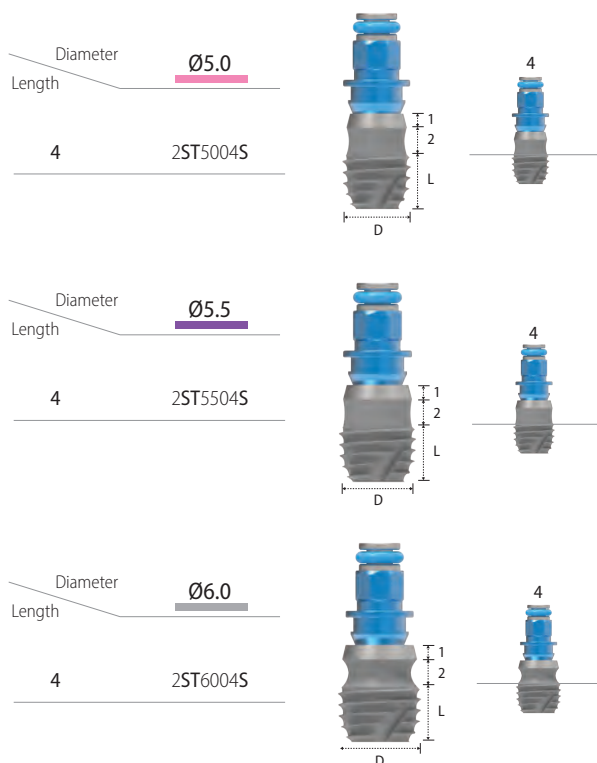
Submerged Short Fixture

Surface Treatment: **SLA-SH**

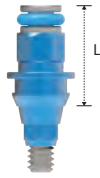
- > Interchangeable with Hexagonal Morse Tapered Fixture.
- > Internal hex connection (Taper 11°/ Hex 2.5).



Pre-Mount > 포장단위 : 1 Fixture + 1 Cover Screw + 1 Mount.



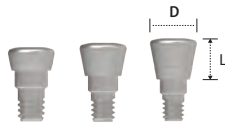
Fixture Mount



Length	5.4
2SMHR001	

- > 포장단위 : 1 Mount + 1 Mount Screw
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 10Ncm

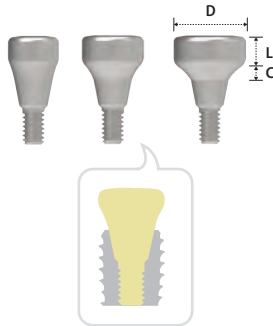
Cover Screw



Diameter Length	Ø3.37	Ø3.75	Ø4.13
3	2SCS000		
4.2		* 2SCS001	
5.2			* 2SCS002

- > 포장단위 : 1 Cover Screw *Extra Product
- > Fixture 식립 후 Fixture connection 보호
- > 깊게 식립 시 Long Cover Screw 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 10Ncm

Healing Abutment

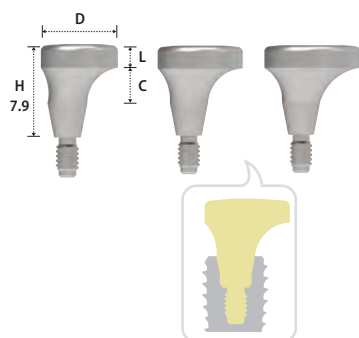


Diameter	Ø4.0		Ø4.5		Ø5.0		Ø5.5	
Length Cuff	1	2	1	2	1	2	1	2
1	2HS4011		2HS4511		2HS5011		2HS5511	
2		2HS4022		2HS4522		2HS5022		2HS5522
3		2HS4032		2HS4532		2HS5032		2HS5532
4		2HS4042		2HS4542		2HS5042		2HS5542
5		2HS4052		2HS4552		2HS5052		2HS5552
6		2HS4062		2HS4562		2HS5062		2HS5562
7		2HS4072		2HS4572		2HS5072		2HS5572

Diameter	Ø6.0		Ø6.5		Ø7.0		Ø7.5/Ø8.5/Ø9.5	
Length Cuff	1	2	1	2	1	2	2	
1	2HS6011		2HS6511		2HS7011		Cuff 3	
2		2HS6022		2HS6522		2HS7022		
3		2HS6032		2HS6532		2HS7032		2HS7532
4		2HS6042		2HS6542		2HS7042		2HS8532
5		2HS6052		2HS6552		2HS7052		2HS9532
6		2HS6062		2HS6562		2HS7062		
7		2HS6072		2HS6572		2HS7072		

- > 포장단위 : 1 Healing Abutment
- > 치유기간 동안 Fixture에 체결하여 치은 형태 형성
- > 치은 높이 및 사용 Abutment에 따라 선택 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 10Ncm

Volume-up Healing Abutment



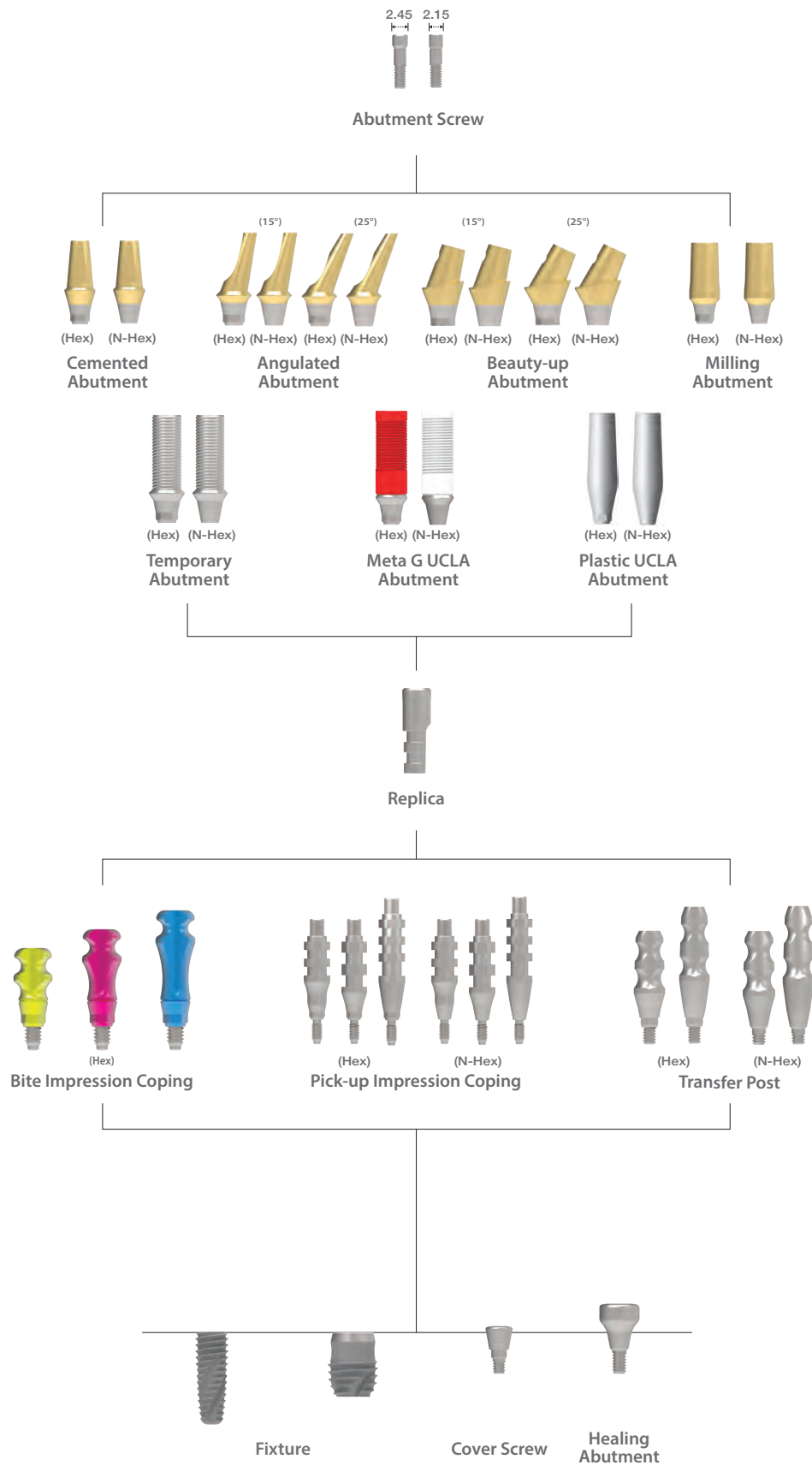
Diameter	Ø6.5	Ø7.5	Ø8.5
Length Cuff	2	2	2
3	VUHN6532	VUHN7532	VUHN8532

- > 포장단위 : 1 Healing Abutment(Inbuilt Abutment Screw)
- > Off-center 형태로 협측 치조골 폭경 수축을 방지하고 치은의 볼륨유지와 음식물 저류를 방지
- > COWELL BMP와 함께 사용 시 효과 극대화
- > Volume-up Guide System과 함께 사용 권장
- > 치은 높이에 따라 선택 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 10Ncm

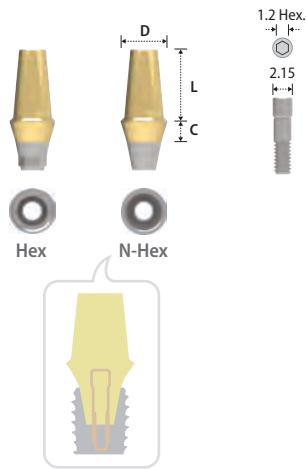


Prosthetic Procedure I

Components Selection Guide for Cemented and UCLA Abutment



Cemented Abutment

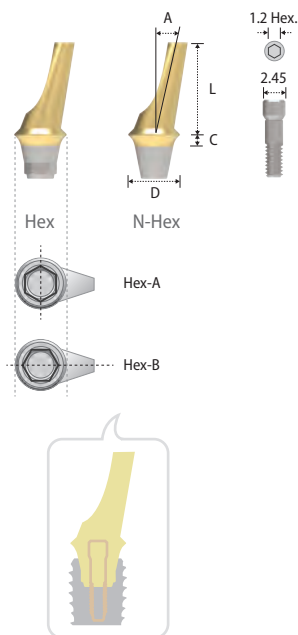


Type	Hex														
Diameter	Ø4.5			Ø5.0			Ø5.5			Ø6.0			Ø6.5		
Length Cuff	4	5.5	7	4	5.5	7	4	5.5	7	4	5.5	7	4	5.5	7
1	2SCH 4514	2SCH 4515	2SCH 4517	2SCH 5014	2SCH 5015	2SCH 5017	2SCH 5514	2SCH 5515	2SCH 5517	2SCH 6014	2SCH 6015	2SCH 6017	2SCH 6514	2SCH 6515	2SCH 6517
2	2SCH 4524	2SCH 4525	2SCH 4527	2SCH 5024	2SCH 5025	2SCH 5027	2SCH 5524	2SCH 5525	2SCH 5527	2SCH 6024	2SCH 6025	2SCH 6027	2SCH 6524	2SCH 6525	2SCH 6527
3	2SCH 4534	2SCH 4535	2SCH 4537	2SCH 5034	2SCH 5035	2SCH 5037	2SCH 5534	2SCH 5535	2SCH 5537	2SCH 6034	2SCH 6035	2SCH 6037	2SCH 6534	2SCH 6535	2SCH 6537
4	2SCH 4544	2SCH 4545	2SCH 4547	2SCH 5044	2SCH 5045	2SCH 5047	2SCH 5544	2SCH 5545	2SCH 5547	2SCH 6044	2SCH 6045	2SCH 6047	2SCH 6544	2SCH 6545	2SCH 6547
5	2SCH 4554	2SCH 4555	2SCH 4557	2SCH 5054	2SCH 5055	2SCH 5057	2SCH 5554	2SCH 5555	2SCH 5557	2SCH 6054	2SCH 6055	2SCH 6057	2SCH 6554	2SCH 6555	2SCH 6557

Type	N-Hex														
Diameter	Ø4.5			Ø5.0			Ø5.5			Ø6.0			Ø6.5		
Length Cuff	4	5.5	7	4	5.5	7	4	5.5	7	4	5.5	7	4	5.5	7
1	2SCN 4514	2SCN 4515	2SCN 4517	2SCN 5014	2SCN 5015	2SCN 5017	2SCN 5514	2SCN 5515	2SCN 5517	2SCN 6014	2SCN 6015	2SCN 6017	2SCN 6514	2SCN 6515	2SCN 6517
2	2SCN 4524	2SCN 4525	2SCN 4527	2SCN 5024	2SCN 5025	2SCN 5027	2SCN 5524	2SCN 5525	2SCN 5527	2SCN 6024	2SCN 6025	2SCN 6027	2SCN 6524	2SCN 6525	2SCN 6527
3	2SCN 4534	2SCN 4535	2SCN 4537	2SCN 5034	2SCN 5035	2SCN 5037	2SCN 5534	2SCN 5535	2SCN 5537	2SCN 6034	2SCN 6035	2SCN 6037	2SCN 6534	2SCN 6535	2SCN 6537
4	2SCN 4544	2SCN 4545	2SCN 4547	2SCN 5044	2SCN 5045	2SCN 5047	2SCN 5544	2SCN 5545	2SCN 5547	2SCN 6044	2SCN 6045	2SCN 6047	2SCN 6544	2SCN 6545	2SCN 6547
5	2SCN 4554	2SCN 4555	2SCN 4557	2SCN 5054	2SCN 5055	2SCN 5057	2SCN 5554	2SCN 5555	2SCN 5557	2SCN 6054	2SCN 6055	2SCN 6057	2SCN 6554	2SCN 6555	2SCN 6557

- > 포장단위 : 1 Cemented Abutment + 1 Abutment Screw(2SSHR200)
- > CRP 및 SCRP 유지형 보철 제작
- > 회전방지 단면 부여
- > 심미성을 위한 Gold coloring
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression
- > Absolute Impression Cap 사용시 Abutment level impression 가능

Angulated Abutment

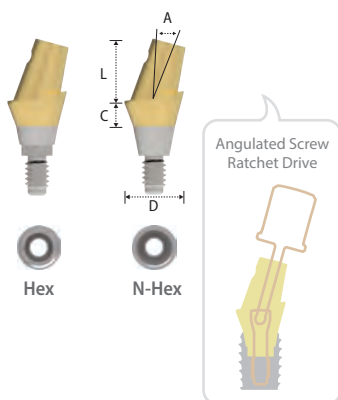


Type	Hex-A				Hex-B			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)
Length Cuff	8	8	8	8	8	8	8	8
1	2SAH45151	2SAH45251	2SAH55151	2SAH55251	2SAH45151B	2SAH45251B	2SAH55151B	2SAH55251B
2	2SAH45152	2SAH45252	2SAH55152	2SAH55252	2SAH45152B	2SAH45252B	2SAH55152B	2SAH55252B
3	2SAH45153	2SAH45253	2SAH55153	2SAH55253	2SAH45153B	2SAH45253B	2SAH55153B	2SAH55253B
4	2SAH45154	2SAH45254	2SAH55154	2SAH55254	2SAH45154B	2SAH45254B	2SAH55154B	2SAH55254B

Type	N-Hex			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)
Length Cuff	8	8	8	8
1	2SAN45151	2SAN45251	2SAN55151	2SAN55251
2	2SAN45152	2SAN45252	2SAN55152	2SAN55252
3	2SAN45153	2SAN45253	2SAN55153	2SAN55253
4	2SAN45154	2SAN45254	2SAN55154	2SAN55254

- > 포장단위 : 1 Angulated Abutment + 1 Abutment Screw(2SSHR100)
- > CRP 유지형 보철 제작
- > Fixture path를 보상(최대 25°) 및 전치부에 사용
- > 심미성을 위한 Gold coloring
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

Beauty-up Abutment



Type	Hex	N-Hex	Hex	N-Hex
Diameter(Angle)	Ø3.8 (15°)	Ø3.8 (15°)	Ø3.8 (25°)	Ø3.8 (25°)
Length Cuff	5	5	5	5
2	2SBH381525	2SBN381525	2SBH382525	2SBN382525

- > 포장단위 : 1 Angulated Abutment(Inbuilt Abutment Screw)
- > SCRП 유지형 보철 제작에 특화(CRP 가능)
- > 심미보철제작을 위한 Gingiva Line 적용
- > 경사진 Gingiva line과 Screw channel이 Lingual 방향으로 형성되어 심미보철 제작 가능
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Torx A Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

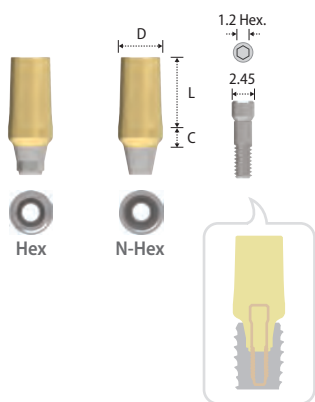
* Torx A Ratchet Driver



Height	Type	Ratchet
24(Short)		KRBUD15
29(Long)		KRBUD20

- > Torx A Driver와 Angulated screw channel용 Torx 구조가 있는 Abutment Screw의 접촉면적이 넓어 Internal slip이나 파절 염려가 적음
- > 25°기준 최대 토크 50Ncm

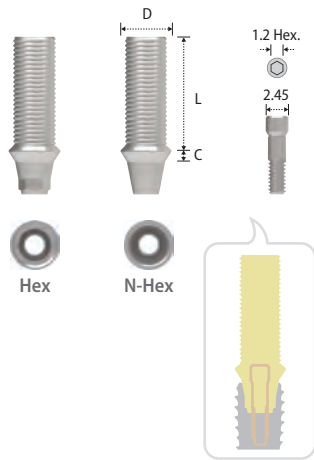
Milling Abutment



Type	Hex			N-Hex		
Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Length Cuff	7.1	7.1	7.1	7.1	7.1	7.1
2	2SMH4527	2SMH5527	2SMH6527	2SMN4527	2SMN5527	2SMN6527
4	2SMH4547	2SMH5547	2SMH6547	2SMN4547	2SMN5547	2SMN6547

- > 포장단위 : 1 Angulated Abutment + 1 Abutment Screw(2SSHR100)
- > CRP 및 SCRП 유지형 보철 제작
- > Abutment path 수정이나 보철 Margin부 Customizing이 필요한 경우에 사용
- > 심미성을 위한 Gold coloring
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

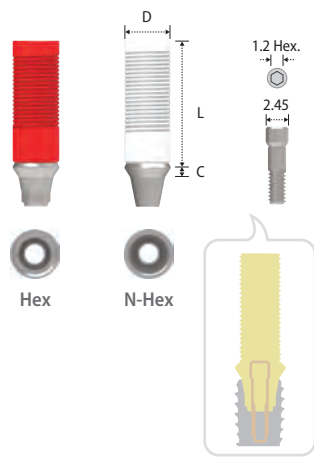
Temporary Abutment



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length Cuff	10	10
1	2STHA45	2STNA45

- > 포장단위 : 1 Temporary Abutment + 1 Abutment Screw(2SSHR100)
- > CRP, SRP 및 SCRP 유지형 임시 보철 제작
- > Resin 탈락 방지를 위한 Groove 부여
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

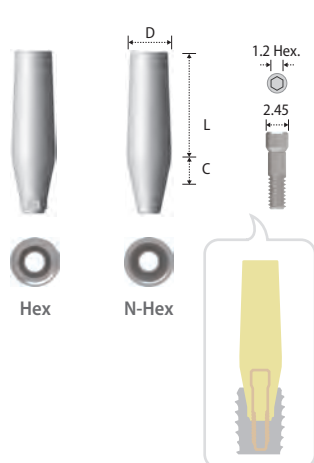
Meta G UCLA Abutment



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length Cuff	12.4	12.4
1	2SGH45N	2SGN45N
2	2SGH452N	2SGN452N
3	2SGH453N	2SGN453N

- > 포장단위 : 1 Meta G UCLA Abutment + 1 Abutment Screw(2SSHR100)
- > CRP, SRP 및 SCRP 유지형 보철 제작
- > Path 조정, 심미 등을 위한 Customizing이 필요한 경우에 사용
- > 비귀금속 합금을 사용하여 Casting하여 보철물 제작
- > Metal base로 Connection부의 정밀도가 높음
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

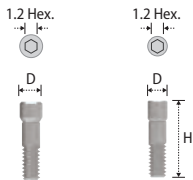
Plastic UCLA Abutment



Type	Hex		N-Hex	
Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Length Cuff	11	11	11	11
3	2SPHR001	2SPHW001	2SPNR001	2SPNW001

- > 포장단위 : 1 Plastic UCLA Abutment + 1 Abutment Screw(2SSHR200)
- > Meta G UCLA Abutment와 같은 용도로 사용하나 Connection부의 정밀도가 떨어짐
- > 권장 체결 토크 : Casting 전 20Ncm이하, Casting 후 30Ncm
- > Fixture level impression

Abutment Screw



Diameter Height	Ø2.45	Ø2.15
8.5	2SSHR100	2SSHR200

- > 포장단위 : 1 Abutment Screw
- > 2SSHR100 : Angulated, Milling, Temporary, Meta G UCLA 및 Plastic UCLA Abutment
- > 2SSHR200 : Cemented Abutment
- > Hex Driver와 Torque Wrench를 사용하여 체결

Replica



Diameter Height	Ø4
12	2SRHR001

- > 포장단위 : 1 Replica
- > Fixture analog로 작업모형 상에 Fixture 형상 구현

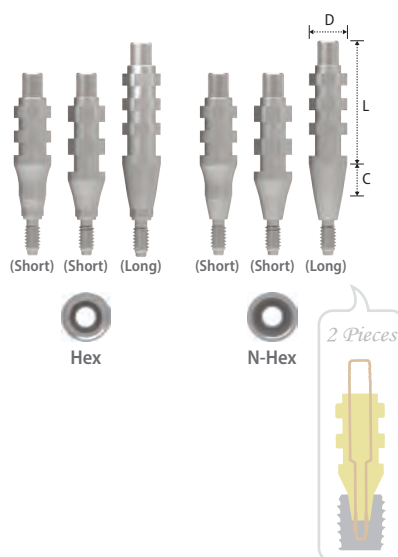
Bite Impression Coping



Type	Hex(Short)	Hex(Long)	Hex(X-Long)
Diameter	Ø4.5	Ø4.5	Ø4.5
Length / Cuff	2	4	6
4.0	2SBIC45S	2SBIC45L	2SBIC45X

- > 포장단위 : 1 Bite Impression Coping (Inbuilt Guide Pin)
- > Bite tray 사용
- > Bite와 Impression 동시 채득 가능
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

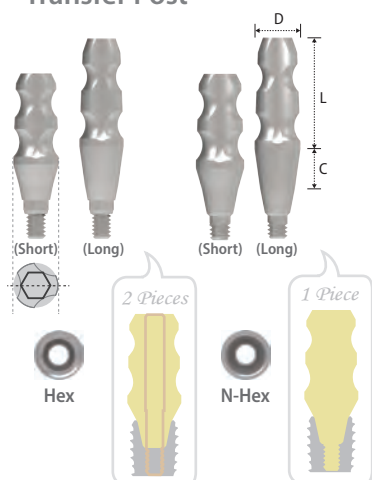
Pick-up Impression Coping



Type	Hex			N-Hex		
Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Length / Cuff						
12 (Short) / 4	2SIH454S	2SIH554S	2SIH654S	2SIN454S	2SIN554S	2SIN654S
14 (Short) / 2	2SIH45S	2SIH55S	2SIH65S	2SIN45S	2SIN55S	2SIN65S
16 (Long) / 4	2SIH45L	2SIH55L	2SIH65L	2SIN45L	2SIN55L	2SIN65L

- > 포장단위 : 1 Pick-up Impression Coping + 1 Guide Pin(2SISR001SS / 2SISR001SL)
- > Open tray 사용(Custom tray)
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Transfer Post

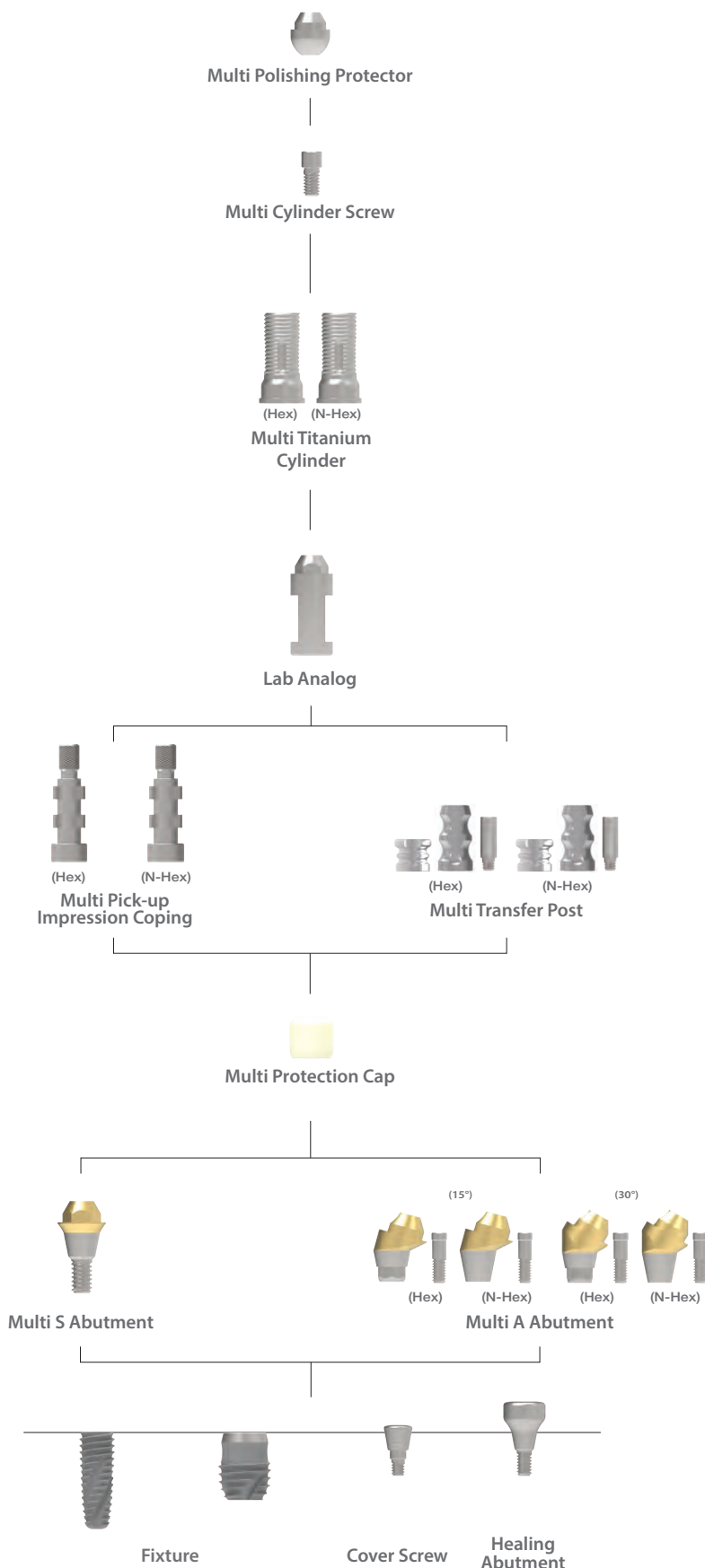


Type	Hex			N-Hex		
Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Length / Cuff						
9 (Short) / 2	2STH45S	2STH55S	2STH65S	2STN45S	2STN55S	2STN65S
11 (Long) / 4	2STH45L	2STH55L	2STH65L	2STN45L	2STN55L	2STN65L

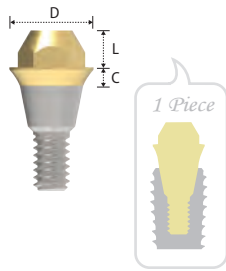
- > 포장단위 : Hex- 1 Transfer Post + 1 Guide Pin(2STH001SS / 2STH001SL)
N-Hex- 1 Transfer Post(Solid type)
- > Closed tray 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Prosthetic Procedure II

Component Selection Guide for Multi S&A Abutment



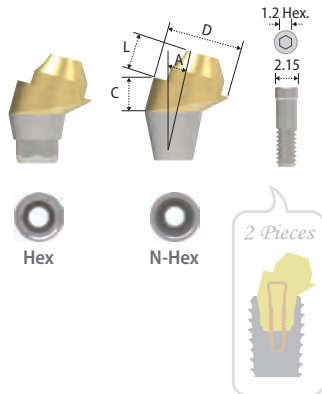
Multi S Abutment



Diameter	Ø4.5	Ø5.5
Length	2	2
1	2SMS451	2SMS551
2	2SMS452	2SMS552
3	2SMS453	2SMS553
4	2SMS454	2SMS554
5	2SMS455	2SMS555

- > 포장단위 : 1 Multi S Abutment
- > SRP 유지형 보철 제작
- > Cylinder를 위한 Titanium-Base
- > Screw와 Abutment의 일체형 구조(Solid type)
- > 심미성을 위한 Gold coloring
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Multi S Holder를 사용하여 구강 내 Delivery
- > Multi S Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Abutment level impression

Multi A Abutment

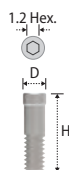


Type	Hex			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(30°)	Ø5.5(15°)	Ø5.5(30°)
Length	2	2	2	2
2	● 2SMAH45152			
3	★ 2SMAH45153	● 2SMAH45303	★ 2SMAH55153	★ 2SMAH55303
4	★ 2SMAH45154	★ 2SMAH45304	★ 2SMAH55154	★ 2SMAH55304
5			★ 2SMAH55155	★ 2SMAH55305

Type	N-Hex			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(30°)	Ø5.5(15°)	Ø5.5(30°)
Length	2	2	2	2
2	● 2SMAN45152			
3	★ 2SMAN45153	● 2SMAN45303	★ 2SMAN55153	★ 2SMAN55303
4	★ 2SMAN45154	★ 2SMAN45304	★ 2SMAN55154	★ 2SMAN55304
5			★ 2SMAN55155	★ 2SMAN55305

- > 포장단위 : 1 Multi A Abutment + Abutment Screw(2SSHR300: ★, 2SSHR400: ●)
- > SRP 유지형 보철 제작
- > Cylinder를 위한 Titanium-Base
- > Fixture path 보상(2개의 fixture 기준 최대 90°)
- > 심미성을 위한 Gold coloring
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Multi A Holder를 사용하여 구강 내 Delivery
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Abutment level impression

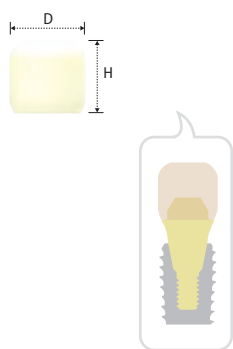
Abutment Screw



Height	7.5	6.5
Diameter	2.15	2.15
	★ 2SSHR300	● 2SSHR400

- > 포장단위 : 1 Abutment Screw
- > Multi A Abutment 체결 시 사용
- > Hex Driver와 Torque Wrench를 사용하여 체결

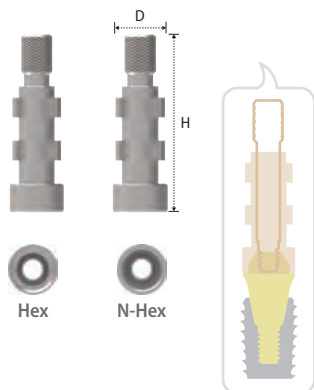
Multi Protection Cap



Multi S & A Abutment Diameter	Ø4.5	Ø5.5
Diameter	Ø5.2	Ø6.2
Height	5	5
	2SMPC45	2SMPC55

- > 포장단위 : 1 Multi Protection Cap
- > 치유기간 중 구강 내 Abutment를 보호하고 환자의 이물감을 최소화
- > Abutment의 보철 마진을 형성하기 위한 Gingival retraction에 사용
- > 임시 보철의 하부구조로 사용 가능
- > Hex Driver로 체결
- > 권장 체결 토크 : 5~10Ncm

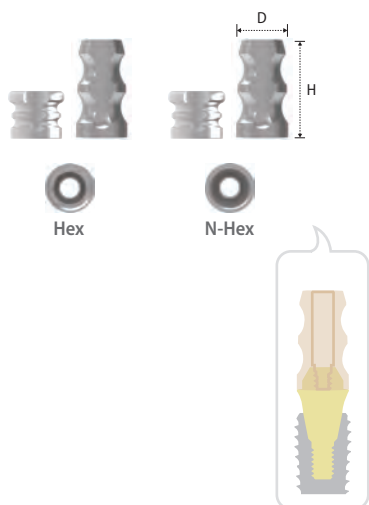
Multi Pick-up Impression Coping



Type	Hex		N-Hex	
Multi S & A Abutment Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Diameter	Ø4.65	Ø5.65	Ø4.65	Ø5.65
Height	16	16	16	16
	2SMIH45	2SMIH55	2SMIN45	2SMIN55

- > 포장단위 : 1 Multi Pick-up Impression Coping + 1 Guide Pin(2SMGP012)
- > Open tray 사용(Custom tray)
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Abutment level impression

Multi Transfer Post



Type	Hex		N-Hex	
Multi S & A Abutment Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Height	5	5	5	5
	2SMTH455	2SMTH555	2SMTN455	2SMTN555
	8.5	8.5	8.5	8.5
	2SMTH45	2SMTH55	2SMTN45	2SMTN55

- > 포장단위 : 1 Multi Transfer Post + 1 Guide Pin(2SMTHS100)
- > Closed tray 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Abutment level impression

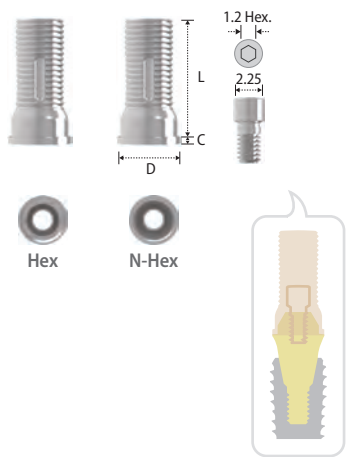
Multi Lab Analog



Multi S & A Abutment Diameter	Ø4.5	Ø5.5
Diameter Length	Ø4.5	Ø5.5
2	2SMA45	2SMA55

- > 포장단위 : 1 Multi Lab Analog
- > Abutment analog로 작업모형 상에 Abutment 형상 구현
- > Abutment의 직경에 따라 선택

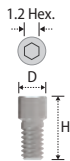
Multi Titanium Cylinder



Type	Hex		N-Hex	
Multi S & A Abutment Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Length Cuff	8.5	8.5	8.5	8.5
0.5	2STCH45	2STCH55	2STCN45	2STCN55

- > 포장단위 : 1 Multi Titanium Cylinder + 1 Multi Cylinder Screw(2SMCS100)
- > CRP, SRP 및 SCRP 유지형 보철 제작
- > 보철의 기계적 유지를 위한 Groove
- > Multi S Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 20Ncm

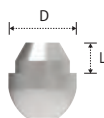
Multi Cylinder Screw



Diameter Height	Ø2.25
5	2SMCS100

- > 포장단위 : 1 Multi Cylinder Screw
- > Hex Driver와 Torque Wrench를 사용하여 체결

Multi Polishing Protector



Type	Hex	
Multi S & A Abutment Diameter	Ø4.5	Ø5.5
Diameter Length	Ø4.5	Ø5.5
2	2SMPP45	2SMPP55

- > 포장단위 : 1 Multi Polishing Protector
- > 가공 과정에서 Polishing 작업 시 Margin 보호

Multi Holder



S Holder



Height	Type	Hand
20		KMHS01

- > 포장단위 : 1 Multi S Holder
- > 안정적으로 Multi S Abutment를 위치시키기 위하여 사용



A Holder

Height	Type	Hand
32		KMHA01

- > 포장단위 : 1 Multi A Holder
- > 안정적으로 Multi A Abutment를 위치시키기 위하여 사용



- ① Multi A Abutment에 Abutment Screw를 넣고 Multi A Holder와 연결한 뒤 Abutment와 Holder의 방향을 맞춤



- ② Multi A Holder의 손잡이를 잡고 구강 내 위치에 맞춰서 구부림



- ③ Fixture에 연결



- ④ Hex Driver와 Torque Wrench를 사용하여 Multi A Abutment를 조임

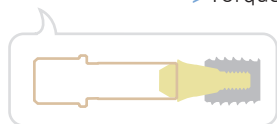
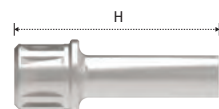
Multi S Machine Driver



Height	Type	Machine
27.5		KMMSD21L

- > 포장단위 : 1 Multi S Machine Driver
- > Contra-angle를 사용하여 Multi S Abutment 체결

Multi S Ratchet Driver

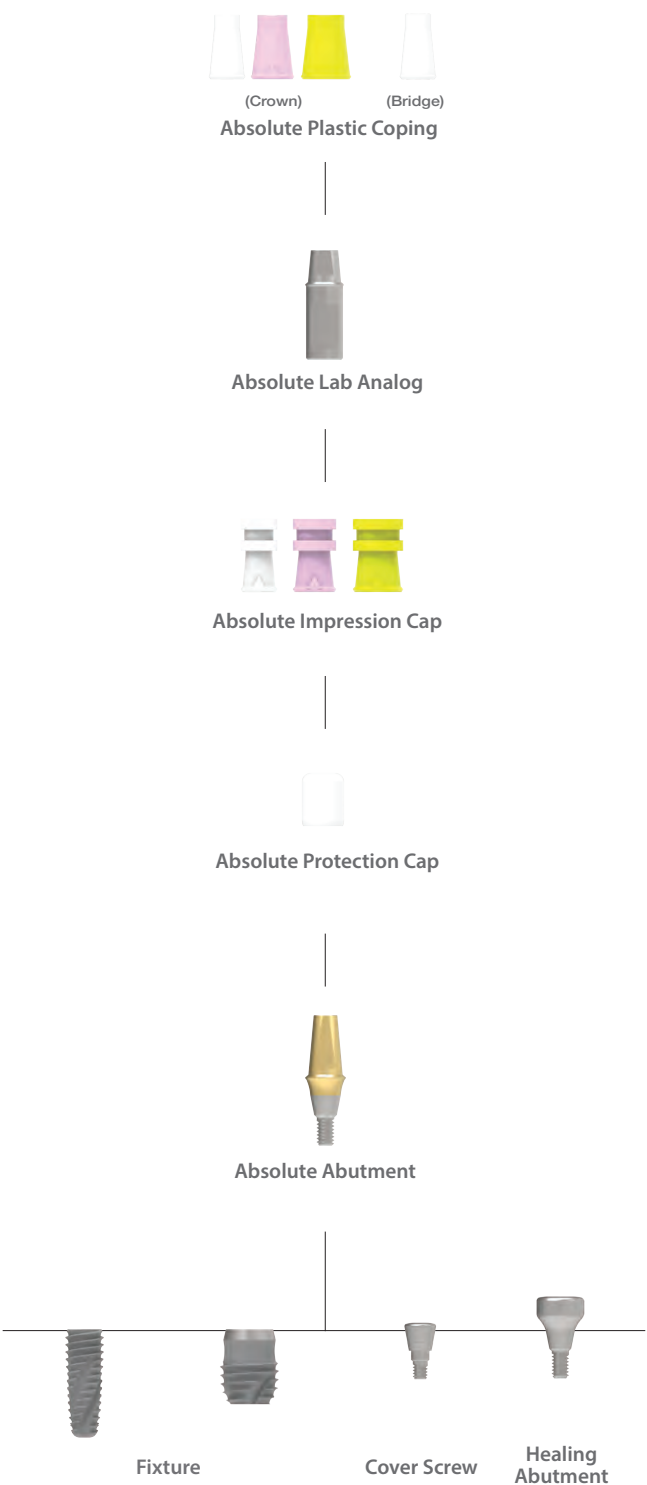


Height	Type	Ratchet
22		KRMSD15L

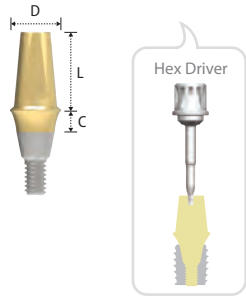
- > 포장단위 : 1 Multi S Ratchet Driver
- > Torque Wrench를 사용하여 Multi S Abutment 체결

Prosthetic Procedure III

Component Selection Guide for Absolute Abutment



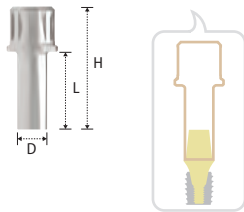
Absolute Abutment



Diameter	Ø4.5			Ø5.5			Ø6.5		
Length Cuff	4	5.5	7	4	5.5	7	4	5.5	7
1	2SAC4514	2SAC4515	2SAC4517	2SAC5514	2SAC5515	2SAC5517	2SAC6514	2SAC6515	2SAC6517
2	2SAC4524	2SAC4525	2SAC4527	2SAC5524	2SAC5525	2SAC5527	2SAC6524	2SAC6525	2SAC6527
3	2SAC4534	2SAC4535	2SAC4537	2SAC5534	2SAC5535	2SAC5537	2SAC6534	2SAC6535	2SAC6537
4	2SAC4544	2SAC4545	2SAC4547	2SAC5544	2SAC5545	2SAC5547	2SAC6544	2SAC6545	2SAC6547
5	2SAC4554	2SAC4555	2SAC4557	2SAC5554	2SAC5555	2SAC5557	2SAC6554	2SAC6555	2SAC6557

- > 포장단위 : 1 Absolute Abutment(Solid type)
+ 1 Protection Cap
- > CRP 유지형 보철 제작
- > 회전방지 단면 부여
- > 심미성을 위한 Gold coloring
- > Absolute Ratchet Driver(Hex Driver 체결 가능)와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Abutment level impression

Absolute Ratchet Driver



Diameter	Ø4.6		Ø5.6		Ø6.6	
Length Height	12	19	12	19	12	19
19	KRAD4512S		KRAD5512S		KRAD6512S	
26		KRAD4519L		KRAD5519L		KRAD6519L

- > 포장단위 : 1 Absolute Ratchet Driver
- > Torque Wrench를 사용하여 Absolute Abutment 체결

Absolute Protection Cap



Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5
Diameter Height	Ø5.0	Ø6.0	Ø7.0
6	2SHPC454	2SHPC554	2SHPC654
7.5	2SHPC455	2SHPC555	2SHPC655
9	2SHPC457	2SHPC557	2SHPC657

- > 포장단위 : 1 Absolute Protection Cap
- > 치유기간 중 구강 내 Abutment를 보호하고 환자의 이물감을 최소화
- > Abutment의 보철 마진을 형성하기 위한 Gingival retraction에 사용
- > 임시 보철의 하부구조로 사용 가능

Absolute Impression Cap



Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5
Diameter Height	Ø5.5	Ø6.5	Ø7.5
10.3	2SIC45	2SIC55	2SIC65

- > 포장단위 : 1 Absolute Impression Cap
- > Abutment의 직경에 따라 선택
- > 좌우로 회전하여 정확히 체결 되었는지 확인

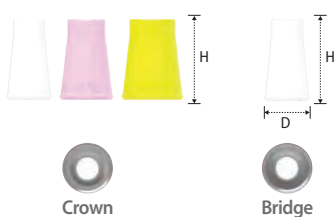
Absolute Lab Analog



Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5
Diameter Length	Ø4.5	Ø5.5	Ø6.5
4.1	2SHLA454	2SHLA554	2SHLA654
5.6	2SHLA455	2SHLA555	2SHLA655
7.1	2SHLA457	2SHLA557	2SHLA657

- > 포장단위 : 1 Absolute Lab Analog
- > Abutment analog로 작업모형 상에 Abutment 형상 구현
- > Abutment의 직경 및 길이에 따라 선택

Absolute Plastic Coping (Burn Out Cylinder)

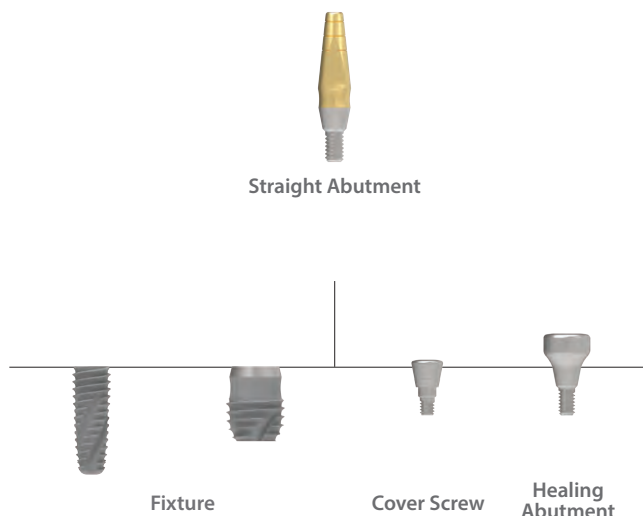


Type	Crown			Bridge		
Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Diameter Height	Ø5.1	Ø6.1	Ø7.1	Ø5.1	Ø6.1	Ø7.1
10	2SHBC45	2SHBC55	2SHBC65	2SHBB45	2SHBB55	2SHBB65

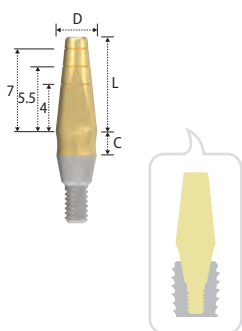
- > 포장단위 : 1 Absolute Plastic Coping
- > Absolute Lab Analog에 체결하여 보철물의 Framework로 사용
- > Abutment의 직경에 따라 선택

Prosthetic Procedure IV

Component Selection Guide for Straight Abutment



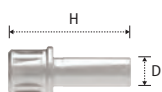
Straight Abutment



Diameter	Ø3.5	Ø4.5
Length	8	8
Cuff	8	8
0.5	2SSCM308	2SSCR408
1	2SSCM318	2SSCR418
2	2SSCM328	2SSCR428
3	2SSCM338	2SSCR438
4	2SSCM348	2SSCR448

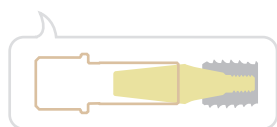
- > 포장단위 : 1 Straight Abutment
- > CRP 유지형 보철 제작
- > Cutting Groove를 Guide로 하여 원하는 길이로 삭제하여 사용
- > 전치부 사용 권장
- > Shoulder Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Direct impression

Shoulder Ratchet Driver



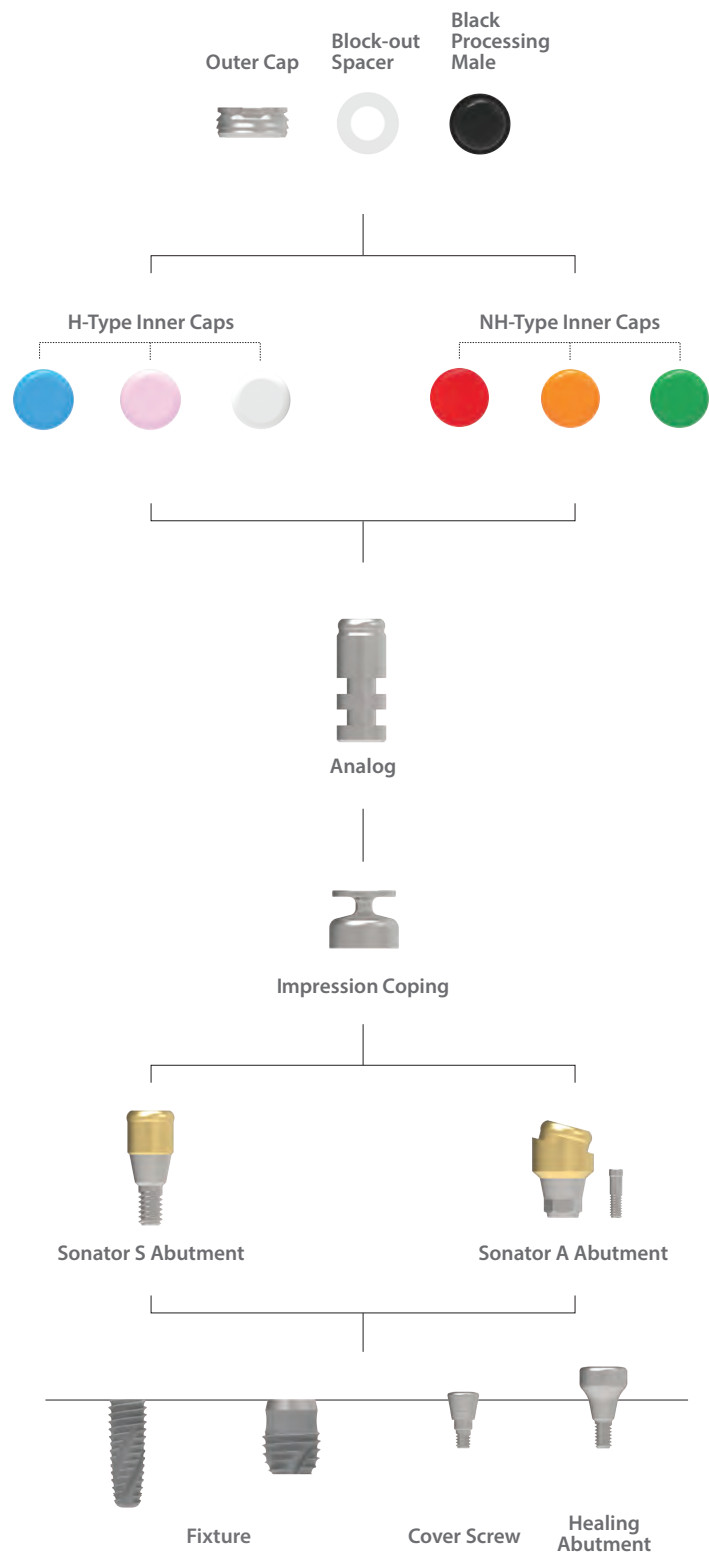
Diameter	Ø3.5	Ø4.5
Height	19	19
	KRR12S, KRR19L	KRW12S, KRW19L

- > 포장단위 : 1 Shoulder Driver
- > Torque Wrench를 사용하여 Straight Abutment 체결

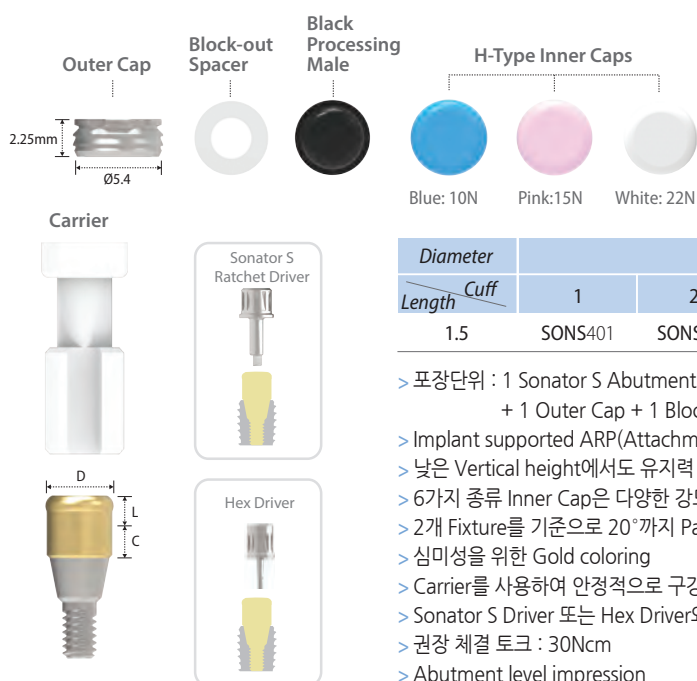


Prosthetic Procedure V

Component Selection Guide for Sonator S&A Abutment



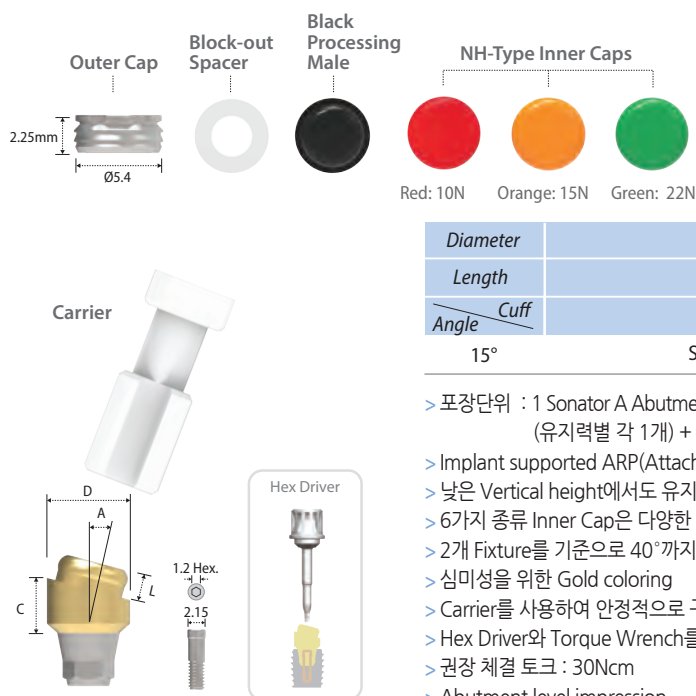
Sonator S Abutment



Diameter	Ø3.87					
Cuff Length	1	2	3	4	5	6
1.5	SONS401	SONS402	SONS403	SONS404	SONS405	SONS406

- > 포장단위 : 1 Sonator S Abutment(Solid type) + 1 Carrier + 3 H-Type Inner Caps(유지력별 각 1개) + 1 Outer Cap + 1 Block-out Spacer + Black Processing Male
- > Implant supported ARP(Attachment Retained Prosthesis) 유지형 보철 제작
- > 낮은 Vertical height에서도 유지력 발휘
- > 6가지 종류 Inner Cap은 다양한 강도의 유지력 제공 (NH-Type 역시 사용 가능)
- > 2개 Fixture를 기준으로 20°까지 Path 보상
- > 심미성을 위한 Gold coloring
- > Carrier를 사용하여 안정적으로 구강 내 Abutment를 안정적으로 위치
- > Sonator S Driver 또는 Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Abutment level impression

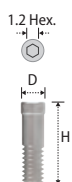
Sonator A Abutment



Diameter	Ø4.5	
Length	1.5	3.0
Angle Cuff	3	3
15°	SONA415	SONA430

- > 포장단위 : 1 Sonator A Abutment + 1 Abutment Screw(2SSHR300 + 1 Carrier + 3 NH-Type Inner Caps(유지력별 각 1개) + 1 Outer Cap + 1 Block-out Spacer + 1 Black Processing Male
- > Implant supported ARP(Attachment Retained Prosthesis) 유지형 보철 제작
- > 낮은 Vertical height에서도 유지력 발휘
- > 6가지 종류 Inner Cap은 다양한 강도의 유지력 제공 (H-Type 역시 사용 가능)
- > 2개 Fixture를 기준으로 40°까지 Path 보상
- > 심미성을 위한 Gold coloring
- > Carrier를 사용하여 안정적으로 구강 내 Abutment를 안정적으로 위치
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Abutment level impression

Abutment Screw



Diameter Height	Ø2.15
7.5	2SSHR300

- > 포장단위 : 1 Abutment Screw
- > Sonator A Abutment 체결 시 사용
- > Hex Driver와 Torque Wrench를 사용하여 체결

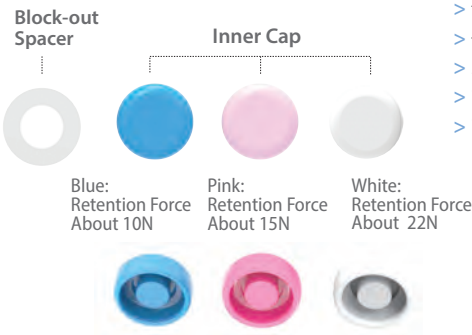
Outer Cap



Diameter	Ø5.4
Height	2.25
SONOC01	

- > 포장단위 : 2 Outer Caps + 2 Black Processing Male
- > Black Processing Male: Sonator I&R Driver로 삽입 및 제거

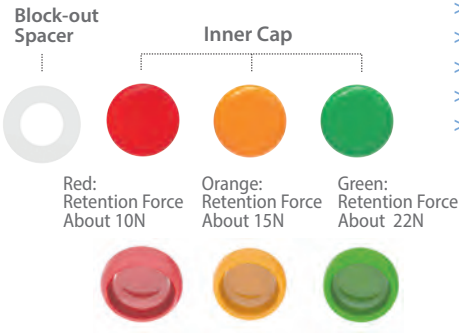
H-Type Inner Cap



Code	SONIC01
------	---------

- > 포장단위 : 3 Block-out Spacers + 3 Inner Caps (유지력별 각 1개)
- > 돌출형 디자인
- > 유지력 : 10N, 15N, 22N
- > 2개 Fixture 기준으로 20°까지 Path 보상
- > Sonator S Abutment에 주로 사용
- > Sonator I&R Driver로 삽입 및 제거

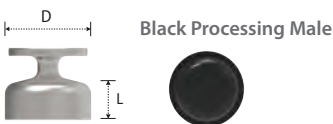
NH-Type Inner Cap



Code	SONIC02
------	---------

- > 포장단위 : 3 Block-out Spacers + 3 Inner Caps (유지력별 각 1개)
- > 비돌출형 디자인
- > 유지력: 10N, 15N, 22N
- > 2개 Fixture 기준으로 40°까지 Path 보상
- > Sonator A Abutment에 주로 사용
- > Sonator I&R Driver로 삽입 및 제거

Sonator Impression Coping



Diameter	Ø4.8
Length	3
SONIP04	

- > 포장단위 : 4 Impression Copings
- > Closed tray 사용
- > Block-out Spacer 위치 후 Sonator Abutment 체결
- > Abutment level impression

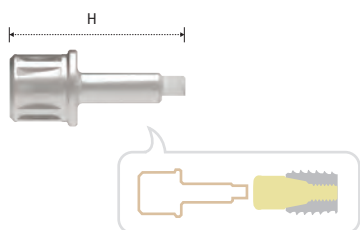
Sonator Lab Analog



Diameter Length	Ø4
1.4	SONLA04

- > 포장단위 : 4 Sonator Lab Analogs
- > Abutment analog로 작업모형 상에 Abutment 형상 구현

Sonator S Ratchet Driver

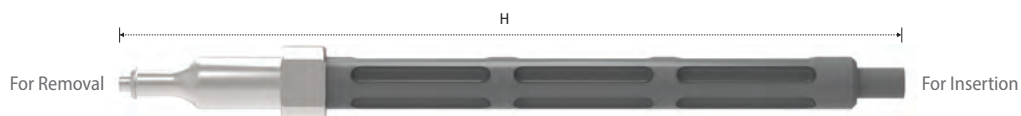


Type Height	Ratchet
18	SONRD19L

- > 포장단위 : 1 Sonator S Ratchet Driver
- > Torque Wrench를 사용하여 Sonator S Abutment 체결

Sonator I&R Driver

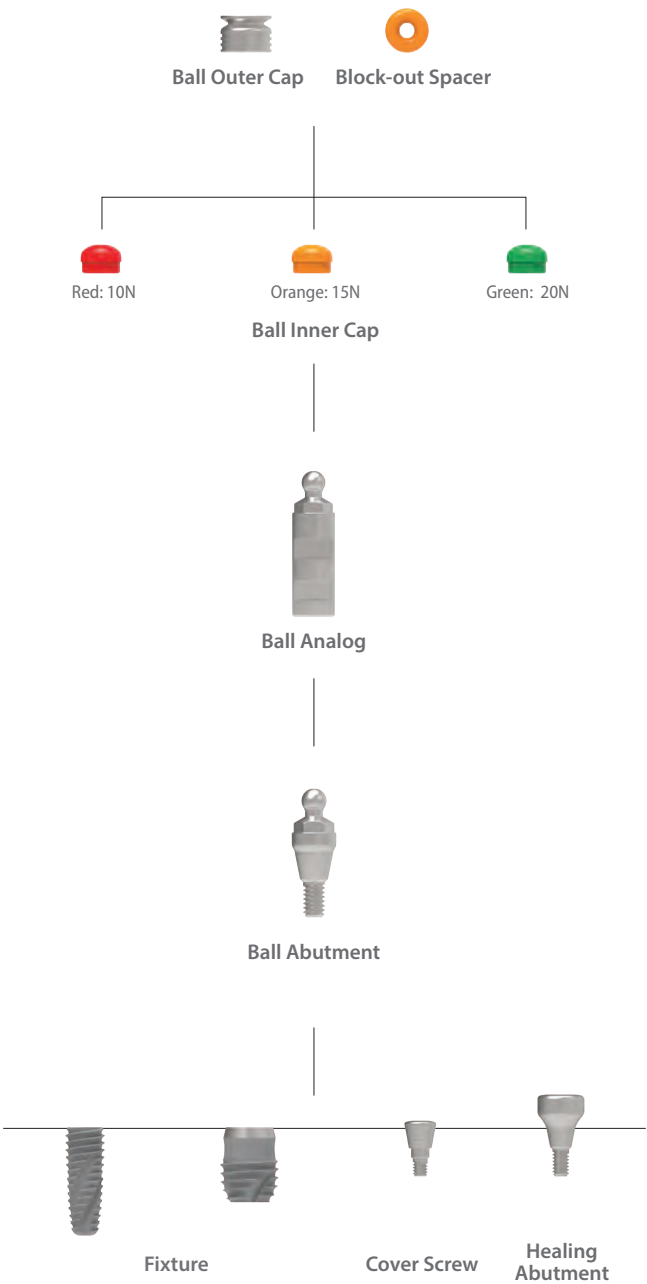
Height	95.4
	SONIR002



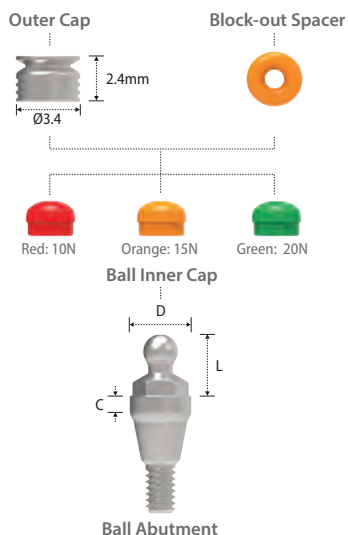
- > 포장단위 : 1 Sonator I&R Driver
- > Inner Cap 및 Black Processing Male 삽입 및 제거 시 사용

Prosthetic Procedure VI

Component Selection Guide for Ball Abutment



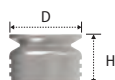
Ball Abutment



Diameter	Ø4.0
Length Cuff	4
1	2SBAT414R
2	2SBAT424R
3	2SBAT434R
4	2SBAT444R
5	2SBAT454R

- > 포장단위 : 1 Ball Abutment + 3 Inner Caps(유지력별 각 1개) + 1 Block-out Spacer + 1 Outer Cap
- > Implant supported ARP(Attachment Retained Prosthesis) 유지형 보철 제작
- > Ball Ratchet Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크: 30Ncm
- > Direct impression

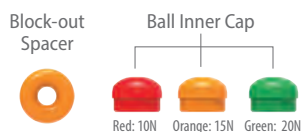
Ball Outer Cap



Diameter Height	Ø3.4
2.6	BATC003C

- > 포장단위 : 2 Outer Caps

Ball Inner Cap



BATC003I

- > 포장단위 : 2 Block-out Spacers + 6 Inner Caps (유지력별 각 2개)
- > 유지력: 10N, 15N, 20N

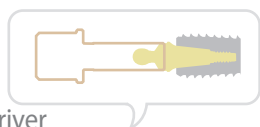
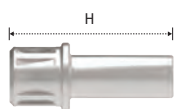
Ball Analog



Diameter Length	Ø4.0
4	SBAL400

- > 포장단위 : 4 Ball Lab Analogs
- > Abutment analog로 작업모형 상에 Abutment 형상 구현

Ball Ratchet Driver

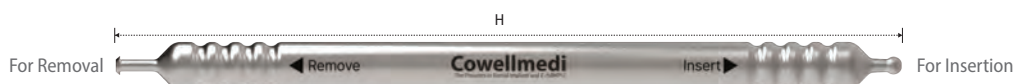


Type Height	Ratchet
19	KRB19L

- > 포장단위 : 1 Ball Ratchet Driver *Extra Product
- > Torque Wrench를 사용하여 Ball Abutment 체결

Ball I&R Driver

Height	100
	KBIR01



- > 포장단위 : 1 Ball I&R Driver
- > Inner Cap 삽입 및 제거 시 사용

INNO SUBMERGED NARROW IMPLANT (Sub-N.)

System Flow

Fixture		Abutment
	Prosthetic Procedure I	 Cemented Abutment  Angulated Abutment  Temporary Abutment
	Prosthetic Procedure II	 Straight Abutment

Impression	
Fixture Level Impression	 Replica  Pick-up Impression Coping  Transfer Post
Abutment Level Impression	Direct Impression

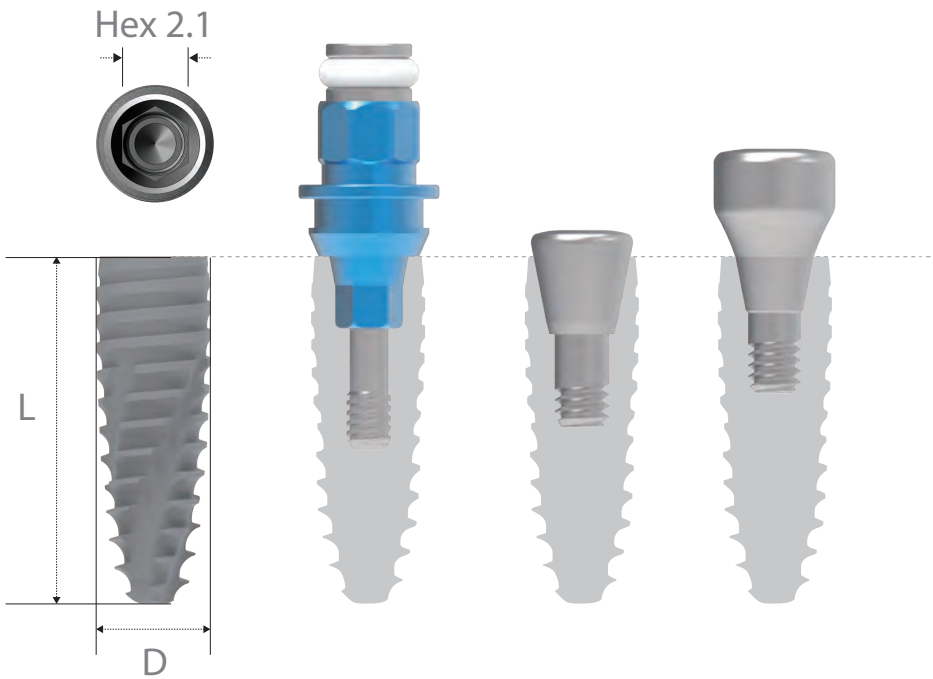
INNO Submerged Narrow Implant (Sub-N.)



Submerged Fixture

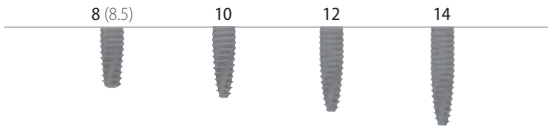
Surface Treatment: **SLA-SH**

- > Interchangeable with hexagonal morse tapered fixture
- > Internal hex connection (Taper 11°/ Hex 2.1)
- > Narrow 전용 Mount 및 Abutment 사용

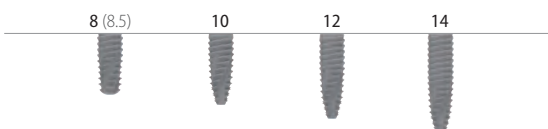


No-Mount > 포장단위 : 1 Fixture + 1 Cover Screw.

Diameter (실직경)	Ø3.1 (Ø3.3)
Length (실제 길이)	
8 (8.5)	SR3108NSM
10	SR3110NSM
12	SR3112NSM
14	SR3114NSM

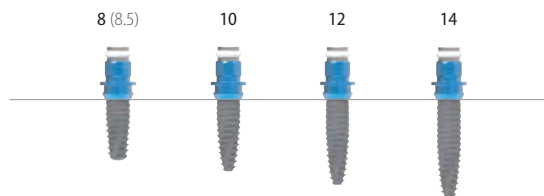


Diameter (실직경)	Ø3.3 (Ø3.5)
Length (실제 길이)	
8 (8.5)	SR3308NSM
10	SR3310NSM
12	SR3312NSM
14	SR3314NSM

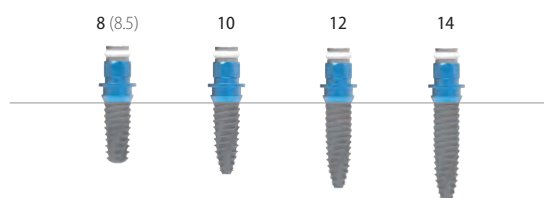


Pre-Mount > 포장단위 : 1 Fixture + 1 Cover Screw + 1 Mount.

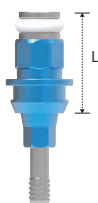
Diameter (실직경)	Ø3.1 (Ø3.3)
Length (실제 길이)	
8 (8.5)	SR3108NS
10	SR3110NS
12	SR3112NS
14	SR3114NS



Diameter (실직경)	Ø3.3 (Ø3.5)
Length (실제 길이)	
8 (8.5)	SR3308NS
10	SR3310NS
12	SR3312NS
14	SR3314NS



Fixture Mount



Length	5.4
	RSM001

- > 포장단위 : 1 Mount + 1 Mount Screw
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

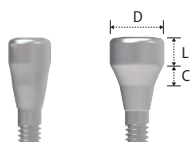
Cover Screw



Diameter / Length	Ø2.85	Ø3.25	Ø3.6
1.7	RCS000		
2.7		RCS001	
3.7			RCS002

- > 포장단위 : 1 Cover Screw
- > Fixture 식립 후 Fixture connection 보호
- > 깊게 식립 시 Long Cover Screw 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

Healing Abutment

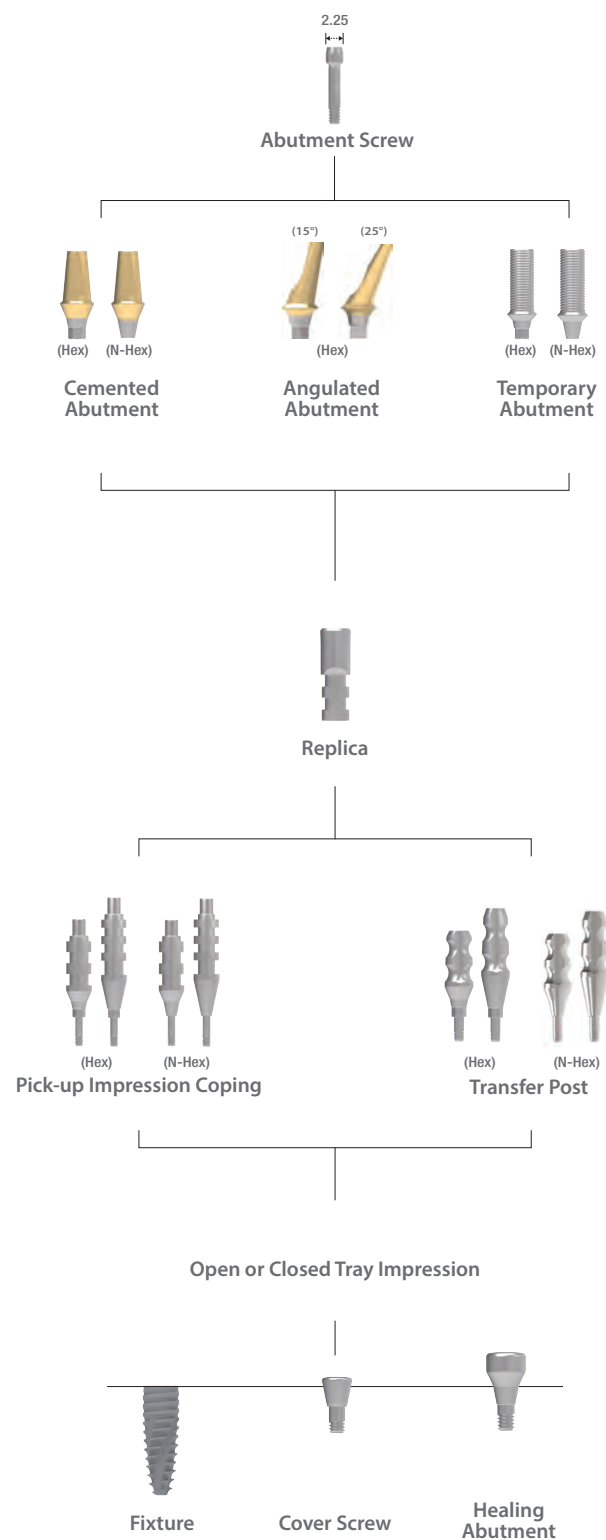


Diameter	Ø3.5		Ø4.5	
Cuff / Length	1	2	1	2
0.5	HR3501			
1	HR3511		HS4511N	
2		HR3522		HS4522N
3		HR3532		HS4532N
4		HR3542		HS4542N
5				HS4552N
7				HS4572N

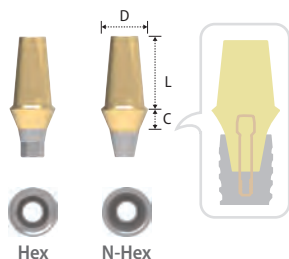
- > 포장단위 : 1 Healing Abutment
- > 치유기간 동안 Fixture에 체결하여 치은 형태 형성
- > 치은 높이 및 사용 Abutment에 따라 선택 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

Prosthesis Procedure I

Components Selection Guide for Cemented and Temporary Abutment



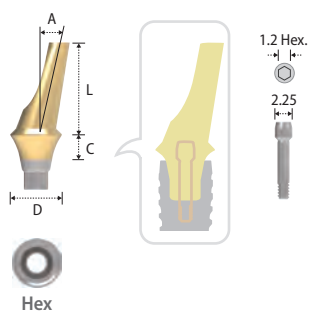
Cemented Abutment



Type	Hex			N-Hex		
Diameter	Ø4.5			Ø4.5		
Length Cuff	4	5.5	7	4	5.5	7
1	SCH4514N	SCH4515N	SCH4517N	SCN4514N	SCN4515N	SCN4517N
2	SCH4524N	SCH4525N	SCH4527N	SCN4524N	SCN4525N	SCN4527N
3	SCH4534N	SCH4535N	SCH4537N	SCN4534N	SCN4535N	SCN4537N
4	SCH4544N	SCH4545N	SCH4547N	SCN4544N	SCN4545N	SCN4547N
5	SCH4554N	SCH4555N	SCH4557N	SCN4554N	SCN4555N	SCN4557N

- > 포장단위 : 1 Cemented Abutment + 1 Abutment Screw(2SSHR200)
- > CRP 및 SCRP 유지형 보철 제작
- > 회전방지 단면 부여
- > 심미성을 위한 Gold coloring
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

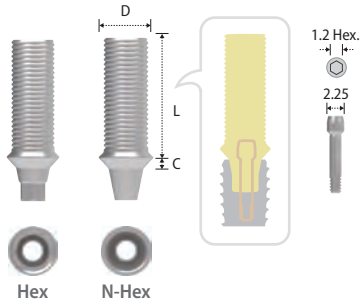
Angulated Abutment



Type	Hex	
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)
Length Cuff	8	8
1	SAH45151NA	SAH45251NA
2	SAH45152NA	SAH45252NA
3	SAH45153NA	SAH45253NA
4	SAH45154NA	SAH45254NA

- > 포장단위 : 1 Angulated Abutment + 1 Abutment Screw(2SSHR100)
- > CRP 유지형 보철 제작
- > Fixture path를 보상(최대 25°) 및 전치부에 사용
- > 심미성을 위한 Gold coloring
- > Scanbody 사용 시 Digital work 가능
- > 3shape 및 Exocad용 라이브러리 제공
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

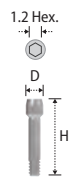
Temporary Abutment



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length Cuff	10	10
1	STHA45N	STNA45N

- > 포장단위 : 1 Temporary Abutment + 1 Abutment Screw(2SSHR100)
- > CRP, SRP 및 SCRP 유지형 임시 보철 제작
- > Resin 탈락 방지를 위한 Groove 부여
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

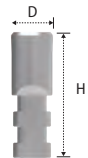
Abutment Screw



Diameter Height	2.25
10.2	SSHR100N

- > 포장단위 : 1 Abutment Screw
- > Hex Driver와 Torque Wrench를 사용하여 체결

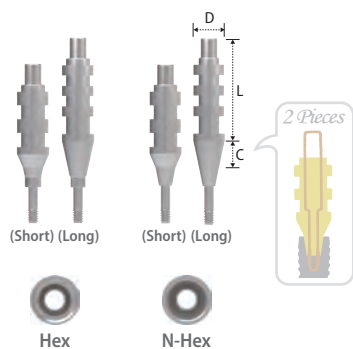
Replica



Diameter Height	Ø4
12.1	SRHR001N

- > 포장단위 : 1 Replica
- > Fixture analog로 작업모형 상에 Fixture 형상 구현

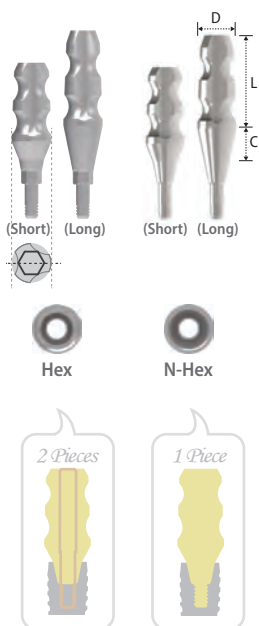
Pick-up Impression Coping



Type	Hex	N-Hex
<i>Diameter</i>	Ø4.5	Ø4.5
14 (Short) / 2	SIH45SN	SIN45SN
16 (Long) / 4	SIH45LN	SIN45LN

- > 포장단위 : 1 Pick-up Impression Coping + 1 Guide Pin(SISR001SN / SISR001LN)
- > Open tray 사용(Custom tray)
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Transfer Post

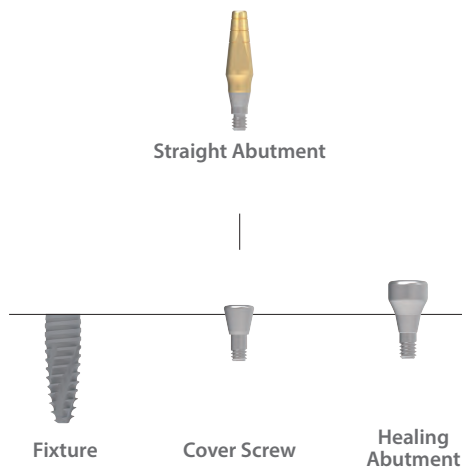


Type	Hex	N-Hex
<i>Diameter</i>	Ø4.5	Ø4.5
9 (Short) / 2	STH45SN	STN45SN
11 (Long) / 4	STH45LN	STN45LN

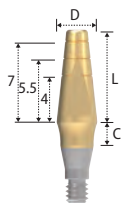
- > 포장단위 : Hex- 1 Transfer Post + 1 Guide Pin(STH001SN / STH001LN)
N-Hex- 1 Transfer Post(Solid type)
- > Closed tray 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Prosthetic Procedure II

Component Selection Guide for Straight Abutment



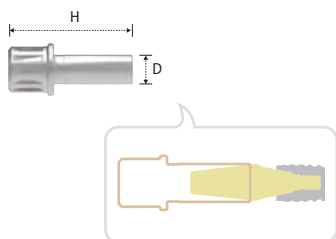
Straight Abutment



Diameter	Ø3.5				
Length [Cuff]	8 [0.5]	8 [1]	8 [2]	8 [3]	8 [4]
	SR308	SR318	SR328	SR338	SR348

- > 포장단위 : 1 Straight Abutment
- > CRP 유지형 보철 제작
- > Cutting Groove를 Guide로 하여 원하는 길이로 삭제하여 사용
- > 전치부 사용 권장
- > Shoulder Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Direct impression

Shoulder Ratchet Driver



Diameter	Ø4.5
Height	19
	KRR19L

- > 포장단위 : 1 Shoulder Driver
- > Torque Wrench를 사용하여 Straight Abutment 체결

MMO Implant System

INNO INTERNAL IMPLANT (Int.)

System Flow

Fixture		Abutment
Octa 3.1  Platform Ø4.8 / 5.9  Cuff 1.8 / 2.4mm Length 7 ~ 14mm Diameter Ø3.5 (3.7) Ø4.0 (4.0) Ø4.5 (4.6) Ø5.0 (5.1) Ø6.0 (5.9)	Prosthetic Procedure I	 Cemented Extension Abutment  Angulated Abutment  Meta G UCLA Abutment
	Prosthetic Procedure II	 Solid Abutment
	Prosthetic Procedure III	 Shoulder Abutment
	PProsthetic Procedure IV	 Ball Abutment

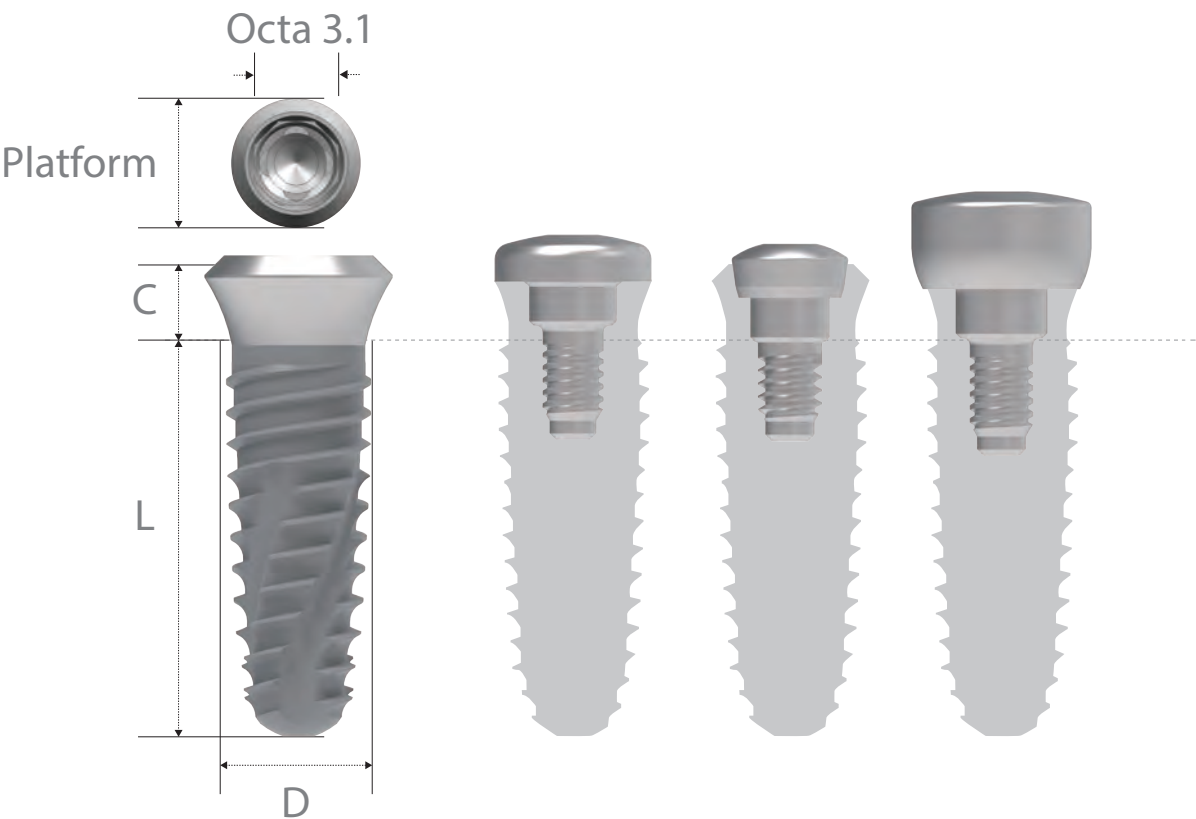
	Impression
Fixture Level Impression	 Replica  Pick-up Impression Coping  Transfer Post
Abutment Level Impression	 Solid/Shoulder Protection Cap  Solid/Shoulder Impression Cap  Solid Positioning Cylinder  Solid Lab Analog  Solid Plastic Coping
	 Solid/Shoulder Protection Cap  Solid/Shoulder Impression Cap  Shoulder Positioning Cylinder  Shoulder Lab Analog
	 Ball Analog

INNO Internal Implant (Int.)



Internal Fixture
Surface Treatment: **SLA-SH™**

- > Interchangeable with 1 staged internal fixture
- > Internal Octa Connection (Taper 8°/ Octa 3.1)
- > No-Mount type



INNO Fixture Code

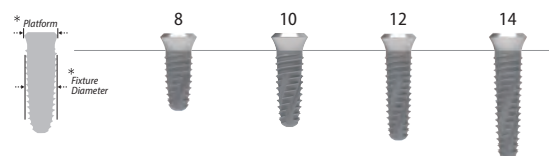
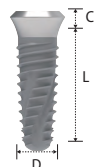
I Type Internal	P P=Cuff 1.8	T body Taper	40 Diameter Ø 4.0	10 Length 10mm	S Surface Treatment SLA	M Mount No-Mount	*Ex.) SLA Cuff 1.8 No-Mount	IPT4010SM
I Type Internal	Cuff 2.4	T body Taper	40 Diameter Ø 4.0	10 Length 10mm	S Surface Treatment SLA	M Mount No-Mount	*Ex.) SLA Cuff 2.4 No-Mount	IT4010SM

No-Mount Cuff 1.8mm fixture > 포장단위: 1 Fixture + 1 Cover Screw

* Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	IPT3508SM
10	IPT3510SM
12	IPT3512SM
14	IPT3514SM

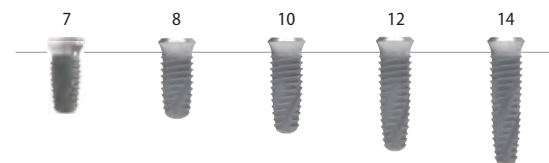
* Platform: Ø4.8



* Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	IPT4007SM
8	IPT4008SM
10	IPT4010SM
12	IPT4012SM
14	IPT4014SM

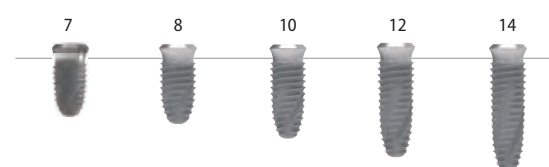
* Platform: Ø4.8



* Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	IPT4507SM
8	IPT4508SM
10	IPT4510SM
12	IPT4512SM
14	IPT4514SM

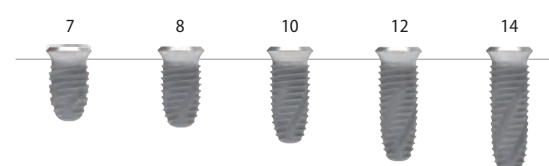
* Platform: Ø4.8



* Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	IPT5007SM
8	IPT5008SM
10	IPT5010SM
12	IPT5012SM
14	IPT5014SM

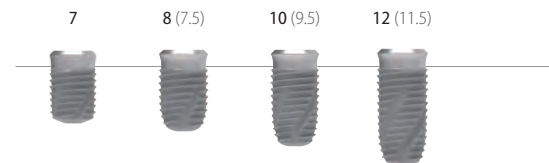
* Platform: Ø5.9



* Diameter (실직경) **Ø6.0 * (Ø5.9)**
Length (실제 길이)

7	*IPT6007SM
8 (7.5)	IPT6008SM
10 (9.5)	IPT6010SM
12 (11.5)	IPT6012SM
14	-

* Platform: Ø5.9



No-Mount Cuff 2.4mm fixture > 포장단위: 1 Fixture + 1 Cover Screw

* Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	IT3508SM
10	IT3510SM
12	IT3512SM
14	IT3514SM

* Platform: Ø4.8



* Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	IT4007SM
8	IT4008SM
10	IT4010SM
12	IT4012SM
14	IT4014SM

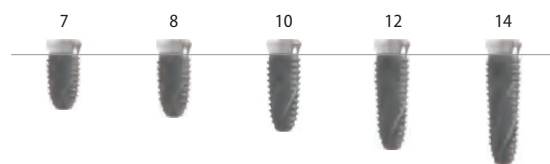
* Platform: Ø4.8



* Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	IT4507SM
8	IT4508SM
10	IT4510SM
12	IT4512SM
14	IT4514SM

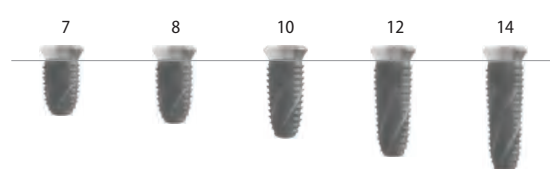
* Platform: Ø4.8



* Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	IT5007SM
8	IT5008SM
10	IT5010SM
12	IT5012SM
14	IT5014SM

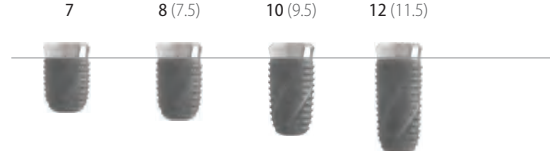
* Platform: Ø5.9



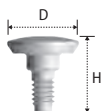
* Diameter (실직경) **Ø6.0 *(Ø5.9)**
Length
(실제 길이)

7	*IT6007SM
8 (7.5)	IT6008SM
10 (9.5)	IT6010SM
12 (11.5)	IT6012SM
14	-

* Platform: Ø5.9



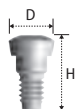
Cover Screw



Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
<i>Diameter</i> <i>Height</i>	Ø5.0	Ø6.0
6.5	ICVR002	ICVW002

- > 포장단위 : 1 Cover Screw
- > Fixture 식립 후 Fixture connection 보호
- > Fixture platform에 따라 선택 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

Headless Screw



<i>Diameter</i> <i>Height</i>	Ø3.5
6	ICVR001

- > 포장단위 : 1 Headless Screw
- > 공간이 제한적이거나 봉합부 치은이 부족할 경우 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

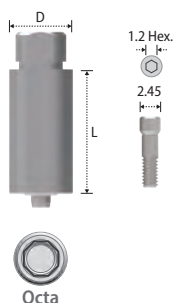
Healing Abutment



Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
<i>Diameter</i> <i>Length</i>	Ø5.5	Ø6.6
2	IHCR020	IHCW020
3	IHCR030	IHCW030
4.5	IHCR045	IHCW045

- > 포장단위 : 1 Healing Abutment
- > 치유기간 동안 Fixture에 체결하여 치은 형태 형성
- > Fixture platform, 치은 높이 및 사용 Abutment에 따라 선택 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

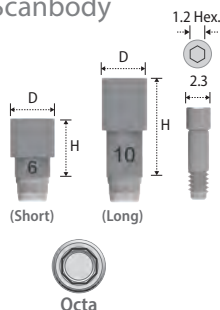
Internal Ti-Block



Type	Octa	
Platform	Ø4.8[Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
<i>Diameter</i> <i>Length</i>	10	10
20	CIOR10S	CIOW10S

- > 포장단위 : 1 Hybrid Ti-Block + 2 Abutment Screws
- > CRP 및 SCRP 유지형 보철 제작
- > 3shape, Exocad용 라이브러리 제공
- > Hex Driver와 Torque Wrench로 체결
- > 권장 체결 토크 : 30Ncm

Scanbody

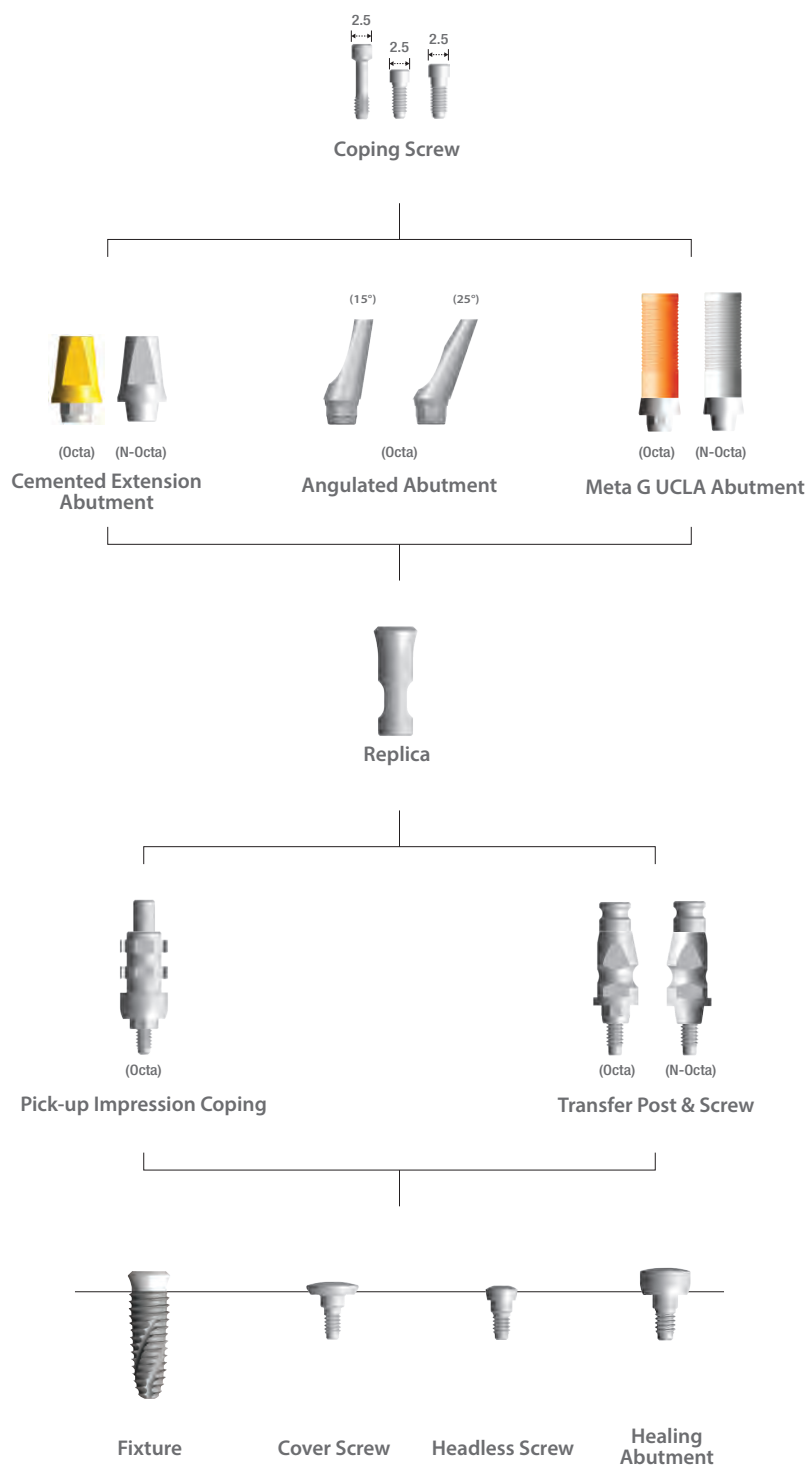


Type	Octa(Short)	Octa(Long)
Platform [Fixture Dia.]	Ø4.8 & Ø5.9 [Ø3.5 / Ø4.0 / Ø4.5 / Ø5.0 / Ø6.0]	Ø4.8 & Ø5.9 [Ø3.5 / Ø4.0 / Ø4.5 / Ø5.0 / Ø6.0]
Diameter	Ø4.5	Ø4.5
Height	6	10
	ISB406	ISB410

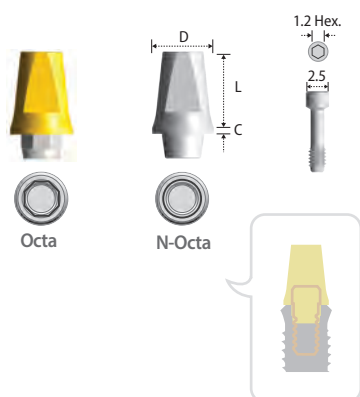
- > 포장단위 : 1 Scanbody + 1 Abutment Screw
- > 모델스캐너 및 구강스캐너 모두 사용 가능
- > 특수 코팅 적용한 100% 티타늄 합금
- > Scan spray 과정 불필요
- > Abutment Screw(ISHR110)와 체결
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm

Prosthetic Procedure I

Component Selection Guide for Cemented & UCLA Abutment



Cemented Extension Abutment



Type	Octa			
Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]		Ø5.9 [Ø5.0 / Ø6.0]	
Diameter	Ø4.8	Ø5.8	Ø5.9	Ø6.9
Cuff Length	6	6	6	6

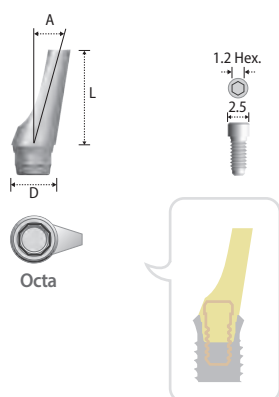
0.5	IECR406		IECW506	
1		IECR416		IECW516
2		IECR426		IECW526
3		IECR436		IECW536

Type	N-Octa			
Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]		Ø5.9 [Ø5.0 / Ø6.0]	
Diameter	Ø4.8	Ø5.8	Ø5.9	Ø6.9
Cuff Length	6	6	6	6

0.5	IENR406		IENW506	
1		IENR416		IENW516
2		IENR426		IENW526
3		IENR436		IENW536

- > 포장단위 : 1 Cemented Abutment + 1 Abutment Screw(ISHR110)
- > CRP 및 SCRP 유지형 보철 제작
- > 회전방지 단면 부여
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

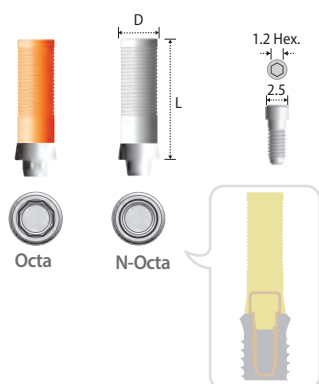
Angulated Abutment



Type	Octa	
Platform [Fixture Dia.]	Ø4.8 & Ø5.9 [Ø3.5 / Ø4.0 / Ø4.5 / Ø5.0 / Ø6.0]	
Diameter(Angle)	3.8 (15°)	3.8 (25°)
Length		
8	IAAR158A	IAAR258A

- > 포장단위 : 1 Angulated Abutment + 1 Abutment Screw(ISHR100)
- > CRP 유지형 보철 제작
- > Fixture path를 보상(최대 25°) 및 전치부에 사용
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

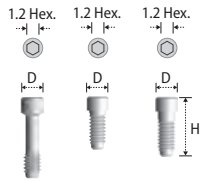
Meta G UCLA Abutment



Type	Octa		N-Octa	
Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
Diameter	Ø5	Ø6	Ø5	Ø6
Length				
12	IGOR400N	IGOW500N	IGNR400N	IGNW500N

- > 포장단위 : 1 Meta G UCLA Abutment + 1 Abutment Screw(ISHR120)
- > CRP, SRP 및 SCRP 유지형 보철 제작
- > Path 조정, 심미 등을 위한 Customizing이 필요한 경우에 사용
- > 비귀금속 합금을 사용하여 Casting하여 보철물 제작
- > Metal base로 Connection부의 정밀도가 높음
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

Abutment Screw



<i>Diameter</i> <i>Height</i>	Ø2.5	Ø2.5	Ø2.5
6.3	ISHR100		
7.8			ISHR120
9.2	ISHR110		

- > 포장단위 : 1 Abutment Screw
- > ISHR100 : Angulated Abutment
- > ISHR110 : Cemented Extension Abutment
- > ISHR120 : Meta G UCLA Abutment
- > Hex Driver와 Torque Wrench를 사용하여 체결

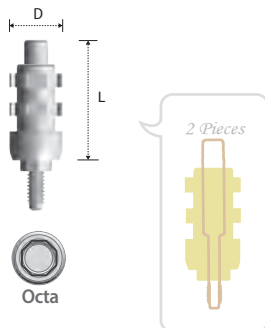
Replica



Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
<i>Diameter</i> <i>Height</i>	Ø4.8	Ø5.9
12	IROR001	IROW001

- > 포장단위 : 1 Replica
- > Fixture analog로 작업모형 상에 Fixture 형상 구현

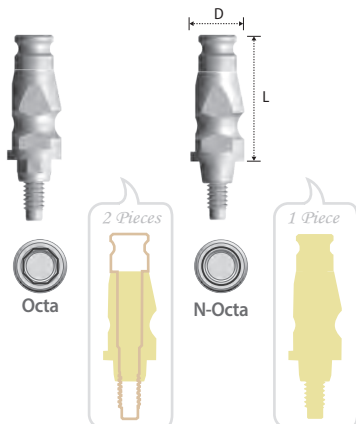
Pick-up Impression Coping



Type	Octa	
Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
<i>Diameter</i> <i>Length</i>	Ø5.5	Ø6.6
13.7	IIOR001	ILOW001

- > 포장단위 : 1 Pick-up Impression Coping + 1 Guide Pin(IIOR001S)
- > Open tray 사용(Custom tray)
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Transfer Post

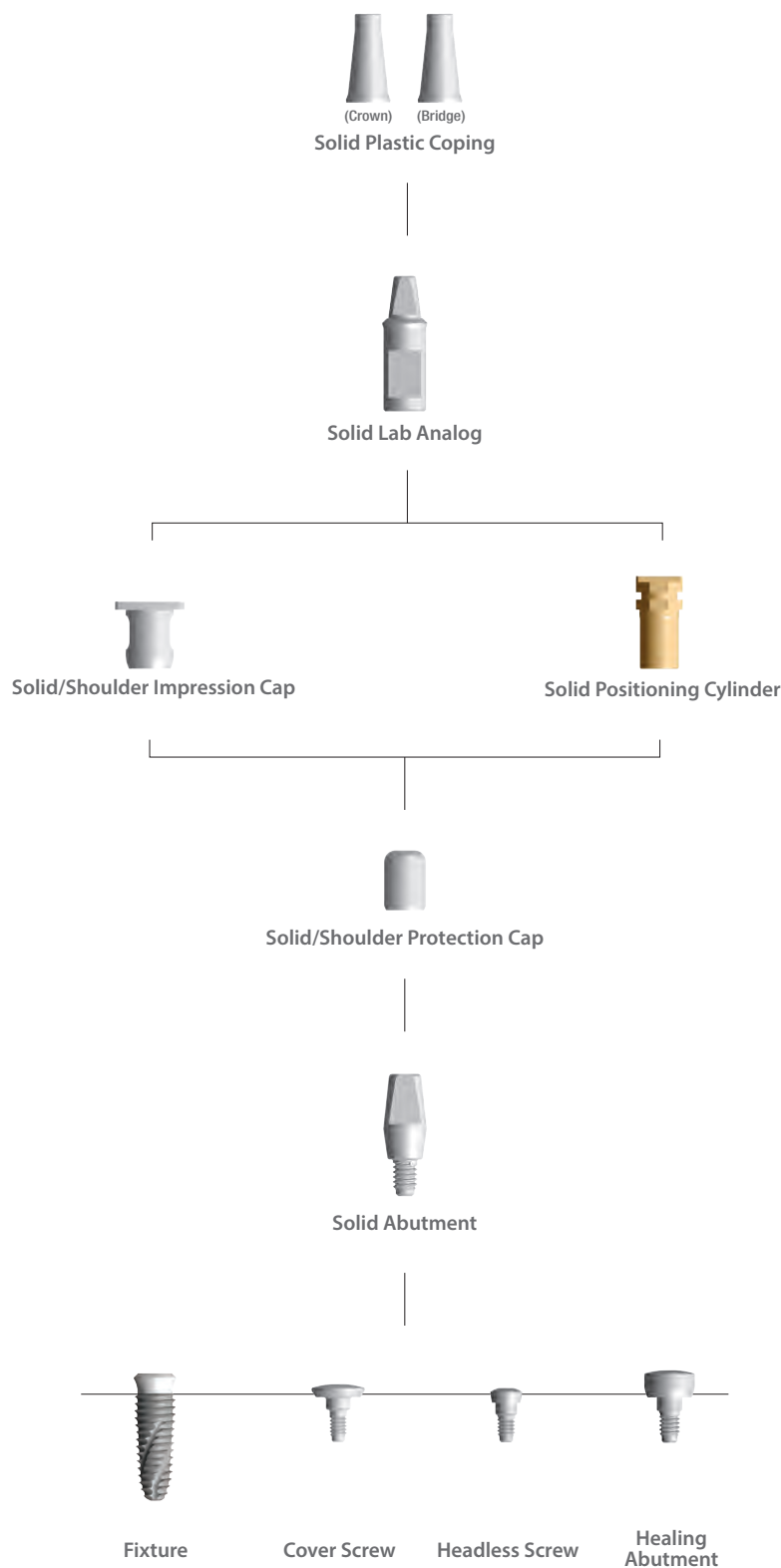


Type	Octa		N-Octa	
Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
<i>Diameter</i> <i>Length</i>	Ø4.85	Ø5.95	Ø4.85	Ø5.95
11.6	ITOR400	ITOW500	ITNR400	ITNW500

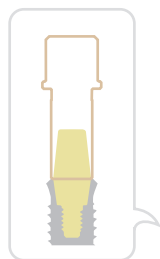
- > 포장단위 : Octa- 1 Transfer Post + 1 Guide Pin(ITOR400S / ITOW500S)
N-Octa- 1 Transfer Post(Solid type)
- > Closed tray 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Prosthetic Procedure II

Component Selection Guide for Solid Abutment



Solid Abutment



Platform [Fixture Dia.]	Ø4.8 & Ø5.9 [Ø3.5 / Ø4.0 / Ø4.5 / Ø5.0 / Ø6.0]			
Diameter	Ø3.5			
Length	3	4	5.5	7
	IASR030	IASR040	IASR055	IASR070

- > 포장단위 : 1 Solid Abutment(Solid type) + 1 Protection Cap
- > CRP 유지형 보철 제작
- > 회전방지 단면 부여
- > Shoulder Ratchet Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Platform Ø4.8 Fixture(Ø3.5, 4.0, 4.5) : Impression Cap 사용 인상 채득
- > Platform Ø5.9 Fixture(Ø5.0, 6.0) : Direct impression



Shoulder Ø4.5 KRR19L

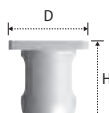
Solid/Shoulder Protection Cap



Solid Abutment Diameter	Ø3.5
Diameter	Ø5.4
Height	5.2
	IASR130
	6.2
	IASR140
	7.7
	IASR155
	9.2
	IASR170

- > 포장단위 : 1 Solid/Shoulder Protection Cap
- > 치유기간 중 구강 내 Abutment를 보호하고 환자의 이물감을 최소화
- > Abutment의 보철 마진을 형성하기 위한 Gingival retraction에 사용
- > 임시 보철의 하부구조로 사용 가능

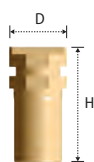
Solid/Shoulder Impression Cap



Solid Abutment Diameter	Ø3.5
Diameter	8
Height	8
	IICR001

- > 포장단위 : 1 Solid/Shoulder Impression Cap
- > Positioning Cylinder를 체결하여 인상 채득에 사용
- > 좌우로 회전하여 정확히 체결 되었는지 확인

Solid Positioning Cylinder



Solid Abutment Diameter	Ø3.5
Diameter	Ø5.7
Height	10.2
	IPCR001

- > 포장단위 : 1 Solid Positioning Cylinder
- > Abutment의 회전을 방지하기 위한 내부 단면 부여
- > Impression Cap에 체결

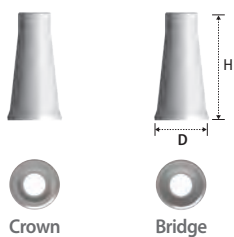
Solid Lab Analog



Solid Abutment Diameter	Ø3.5			
Diameter	Ø4.8			
Length	3	4	5.5	7
	ILSR030	ILSR040	ILSR055	ILSR070

- > 포장단위 : 1 Solid Lab Analog
- > Abutment analog로 작업모형 상에 Abutment 형상 구현
- > 사용 Abutment에 따라 선택

Solid Plastic Coping

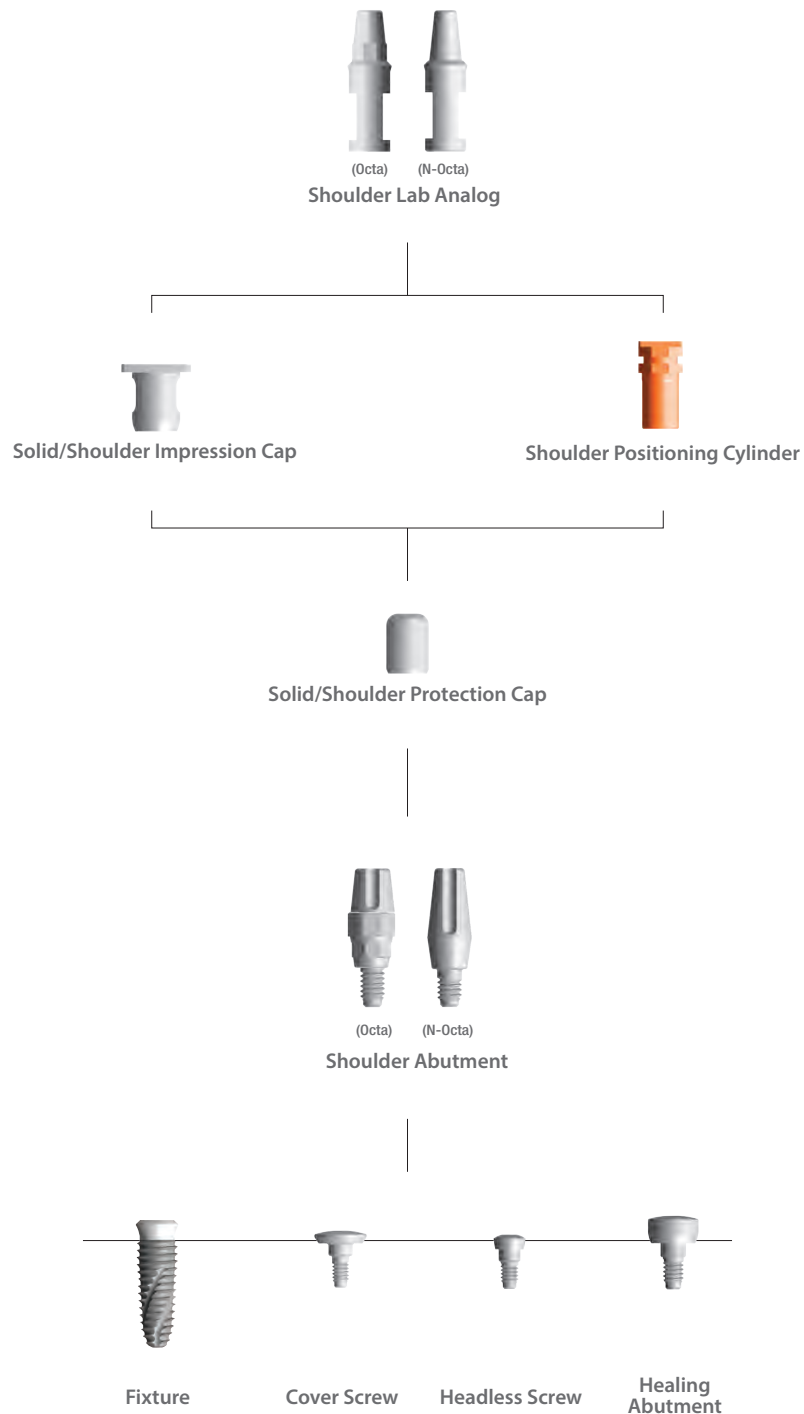


Type	Crown	Bridge
Solid Abutment Diameter	Ø3.5	Ø3.5
Diameter	Ø5	Ø5
Height	10	10
	IPCC001	IPCB001

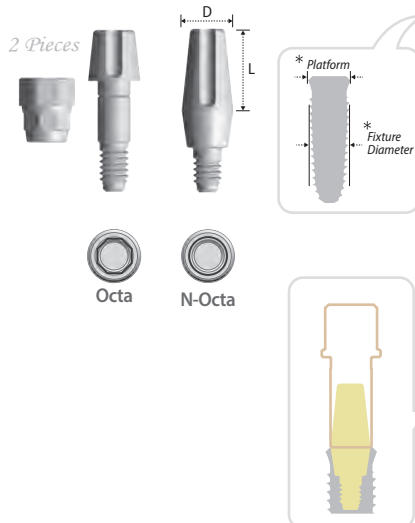
- > 포장단위 : 1 Solid Plastic Coping
- > Solid Lab Analog에 체결하여 보철물의 Framework로 사용

Prosthetic Procedure III

Component Selection Guide for Shoulder Abutment



Shoulder Abutment



Type	Octa		N-Octa	
* Platform [Fixture Dia.]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]	Ø4.8 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.9 [Ø5.0 / Ø6.0]
Diameter	Ø3.5	Ø4.5	Ø3.5	Ø4.5
Length				
4	ISAC404	ISAC504	ISAB404	ISAB504
5.5	ISAC405	ISAC505	ISAB405	ISAB505
7	ISAC407	ISAC507	ISAB407	ISAB507

- > 포장단위 : 1 Solid Abutment(Solid type) + 1 Protection Cap
- > CRP 유지형 보철 제작
- > 회전방지 단면 부여
- > Shoulder Ratchet Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Abutment level impression



Shoulder Ø4.5

KRR19L



Shoulder Ø5.0

KRW19L

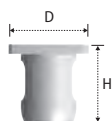
Solid/Shoulder Protection Cap



Shoulder Abutment Diameter	Ø3.5	Ø4.5
Diameter	Ø5.4	Ø5.4
Height		
6.2	IASR140	IASW140
7.7	IASR155	IASW155
9.2	IASR170	IASW170

- > 포장단위 : 1 Solid/Shoulder Protection Cap
- > 치유기간 중 구강 내 Abutment를 보호하고 환자의 이물감을 최소화
- > Abutment의 보철 마진을 형성하기 위한 Gingival retraction에 사용
- > 임시 보철의 하부구조로 사용 가능

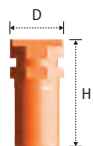
Solid/Shoulder Impression Cap



Shoulder Abutment Diameter	Ø3.5	Ø4.5
Diameter	8	9
Height		
8	IICR001	IICW001

- > 포장단위 : 1 Solid/Shoulder Impression Cap
- > Positioning Cylinder를 체결하여 인상 채득에 사용
- > 좌우로 회전하여 정확히 체결 되었는지 확인

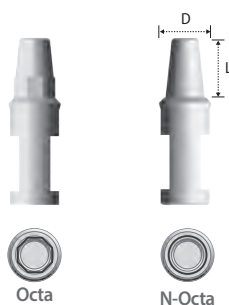
Shoulder Positioning Cylinder



Shoulder Abutment Diameter	Ø3.5	Ø4.5
Diameter	5.7	6.8
Height		
10.7	SAPR001	SAPW001

- > 포장단위 : 1 Shoulder Positioning Cylinder
- > Abutment의 회전을 방지하기 위한 내부 단면 부여
- > Impression Cap에 체결

Shoulder Lab Analog

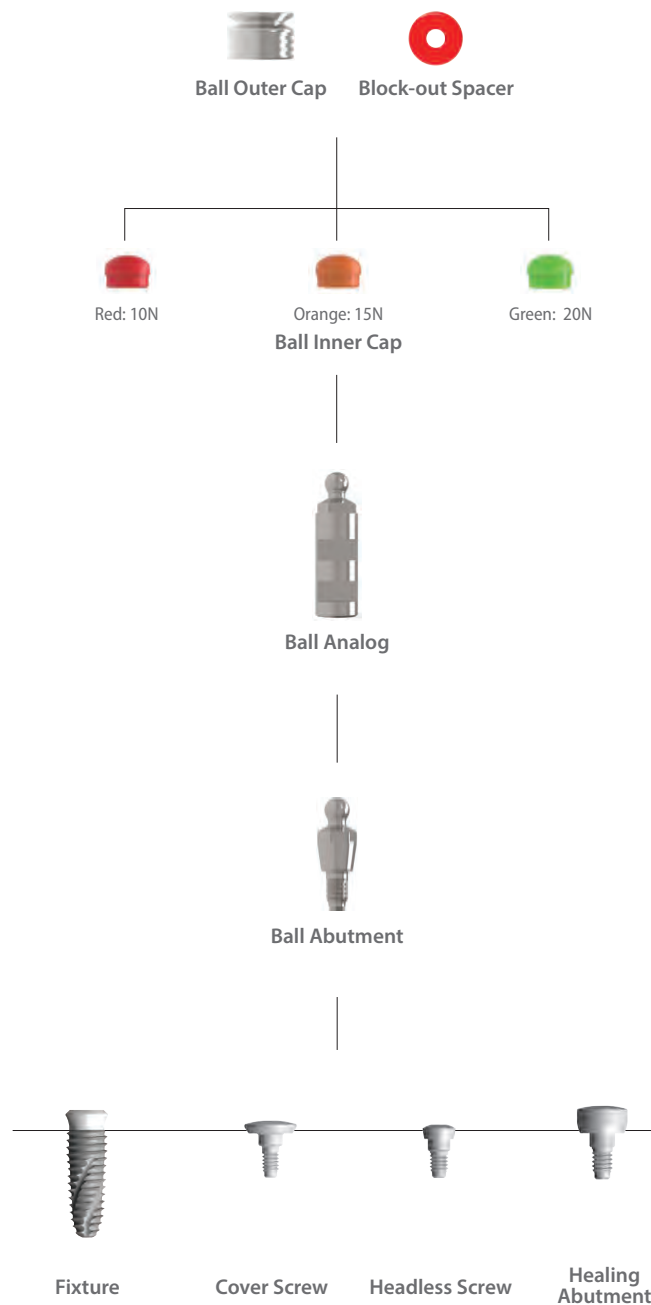


Type	Octa		N-Octa	
Shoulder Abutment Diameter	Ø3.5	Ø4.5	Ø3.5	Ø4.5
Diameter	Ø4.8	Ø5.9	Ø4.8	Ø5.9
Length				
4	SLCR040	SLCW040	SLBR040	SLBW040
5.5	SLCR055	SLCW055	SLBR055	SLBW055
7	SLCR070	SLCW070	SLBR070	SLBW070

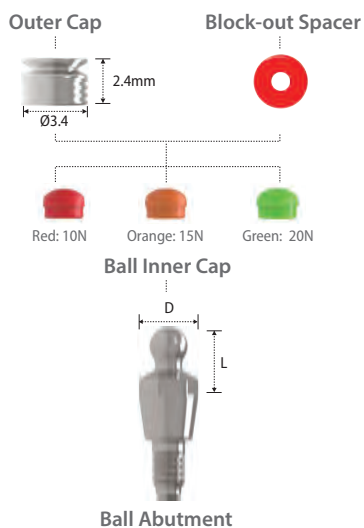
- > 포장단위 : 1 Shoulder Lab Analog
- > Abutment analog로 작업모형 상에 Abutment 형상 구현
- > 사용 Abutment에 따라 선택

Prosthetic Procedure IV

Component Selection Guide for Ball Abutment



Ball Abutment



Diameter	Ø3.5
Length	4
IBAT404R	

- > 포장단위 : 1 Ball Abutment + 3 Inner Caps(유지력별 각 1개) + 1 Block-out Spacer + 1 Outer Cap
- > Implant supported ARP(Attachment Retained Prosthesis) 유지형 보철 제작
- > Ball Ratchet Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Direct impression

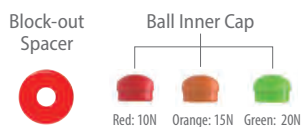
Ball Outer Cap



Diameter	Ø3.4
Height	2.6
BATC003C	

- > 포장단위 : 2 Outer Caps

Ball Inner Cap



BATC003I	
----------	--

- > 포장단위 : 2 Block-out Spacers + 6 Inner Caps (유지력별 각 2개)
- > 유지력 : 10N, 15N, 20N

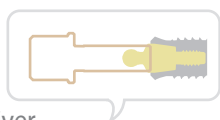
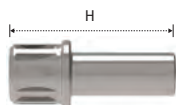
Ball Analog



Diameter	Ø4.0
Length	4
SBAL400	

- > 포장단위 : 4 Ball Lab Analogs
- > Abutment analog로 작업모형 상에 Abutment 형상 구현

Ball Ratchet Driver



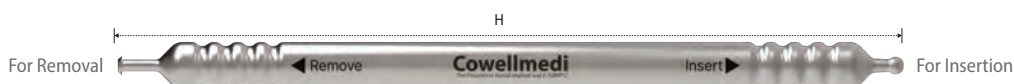
Type	Ratchet
Height	19
KRB19L	

- > 포장단위 : 1 Ball Ratchet Driver
- > Torque Wrench를 사용하여 Ball Abutment 체결

*Extra Product

Ball I&R Driver

Height	100
KBIR01	



- > 포장단위 : 1 Ball I&R Driver
- > Inner Cap 삽입 및 제거 시 사용

INNO EXTERNAL IMPLANT (Ext.)

System Flow

Fixture		Abutment
Hex: 2.7 / 3.4  Platform Ø4.1 / 5.1  Length 7 ~ 14mm Diameter Ø3.5 (3.7) Ø4.0 (4.0) Ø4.5 (4.6) Ø5.0 (5.1) Ø6.0	Prosthetic Procedure I	 Cemented Abutment  Angulated Abutment  Temporary Abutment  Meta G UCLA Abutment  Plastic UCLA Abutment
	Prosthetic Procedure II	 Shoulder Abutment
	Prosthetic Procedure III	 Ball Abutment

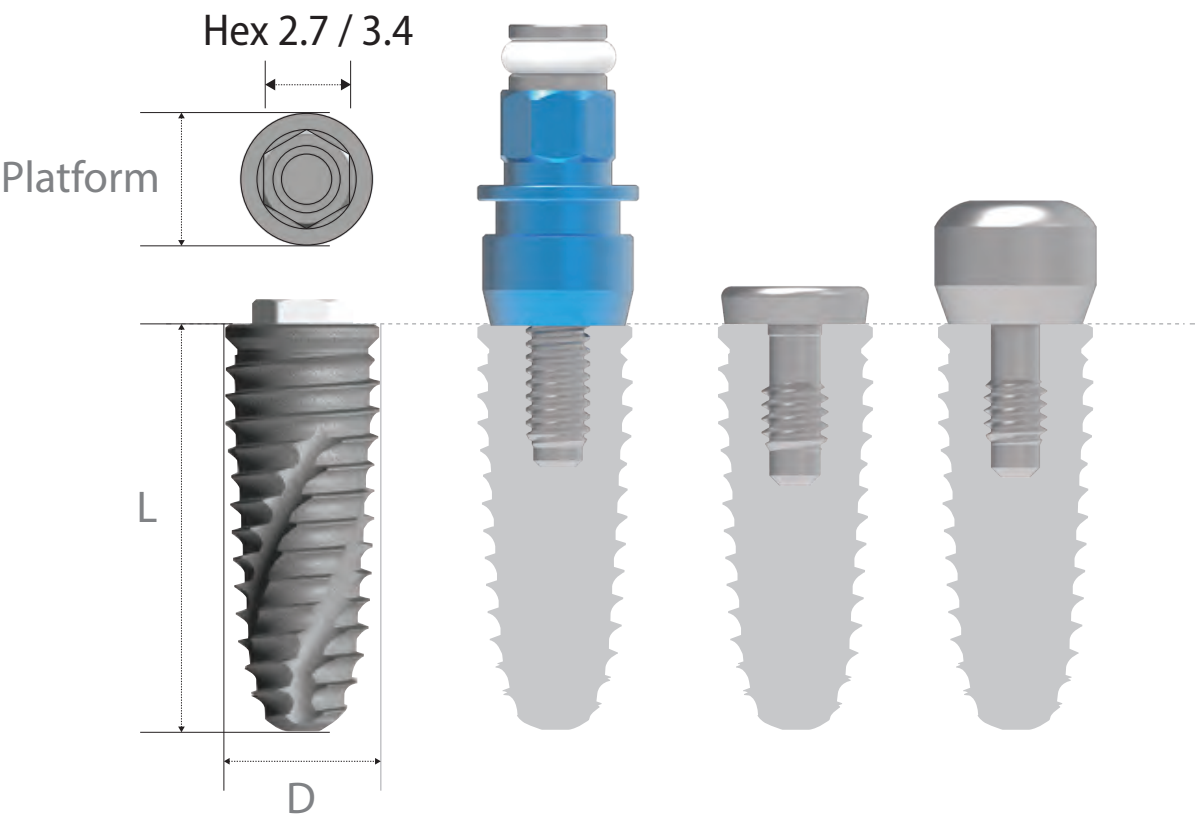
	Impression
Fixture Level Impression	 Replica  Pick-up Squared Impression Coping  Transfer Post
Abutment Level Impression	 Solid/Shoulder Protection Cap  Solid/Shoulder Impression Cap  Shoulder Positioning Cylinder  Shoulder Lab Analog
	 Ball Analog

INNO External Implant (Ext.)



External Fixture
Surface Treatment: **SLA-SH**

- > Interchangeable with external hexagonal fixture.
- > External hex connection (Hex 2.7 / 3.4).



INNO Fixture Code

E	T	40	10	S	
Type	body	Diameter	Length	Surface Treatment	Mount
External	Taper	Ø 4.0	10mm	SLA	Pre-Mount

* Ex.)
SLA Pre-Mount **ET4010S**

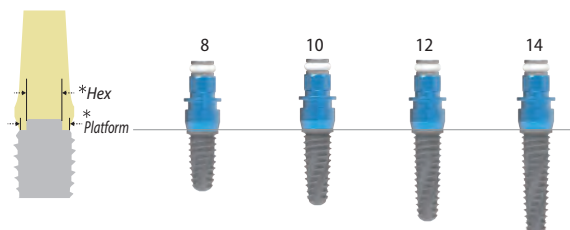
Pre-Mount

> 포장단위: 1 Fixture + 1 Mount + 1 Mount Screw

* Diameter (실직경) **Ø3.5 (Ø3.7)**
Length

7	-
8	ET3508S
10	ET3510S
12	ET3512S
14	ET3514S

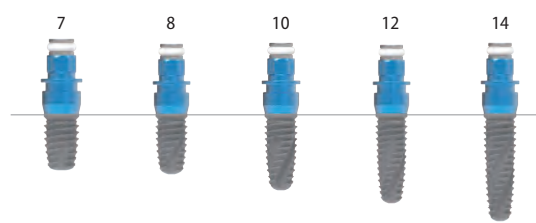
* Hex 2.7
* Platform: Ø4.1



* Diameter (실직경) **Ø4.0 (Ø4.2)**
Length

7	ET4007S
8	ET4008S
10	ET4010S
12	ET4012S
14	ET4014S

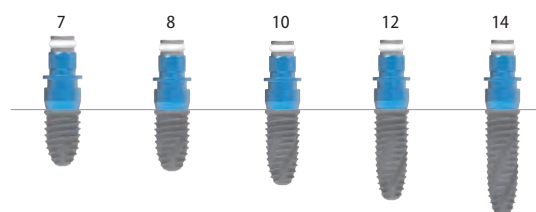
* Hex 2.7
* Platform: Ø4.1



* Diameter (실직경) **Ø4.5 (Ø4.6)**
Length

7	ET4507S
8	ET4508S
10	ET4510S
12	ET4512S
14	ET4514S

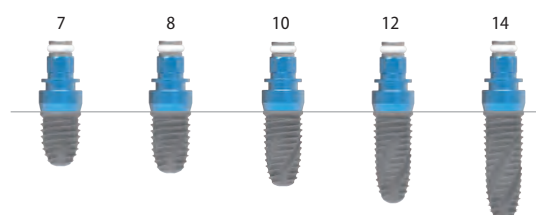
* Hex 2.7
* Platform: Ø4.1



* Diameter (실직경) **Ø5.0 (Ø5.1)**
Length

7	ET5007S
8	ET5008S
10	ET5010S
12	ET5012S
14	ET5014S

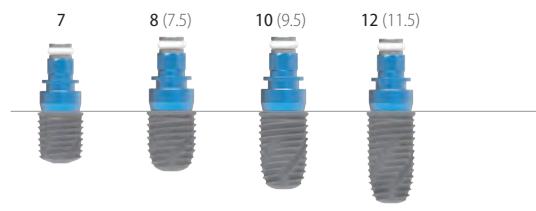
* Hex 3.4
* Platform: Ø5.1



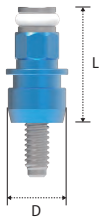
* Diameter
Length (실제 길이) **Ø6.0**

7	ET6007S
8 (7.5)	ET6008S
10 (9.5)	ET6010S
12 (11.5)	ET6012S
14	-

* Hex 3.4
* Platform: Ø5.1



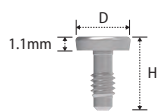
Fixture Mount



Hex	Hex2.7	Hex3.4
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter	Ø4.6	Ø5.5
Length	7.2	MEW002

- > 포장단위 : 1 Mount + 1 Mount Screw
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

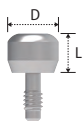
Cover Screw



Hex	Hex2.7	Hex3.4
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter	Ø4.3	Ø5.4
Height	5.8	VNR001

- > 포장단위 : 1 Cover Screw
- > Fixture 식립 후 Fixture connection 보호
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

Healing Abutment



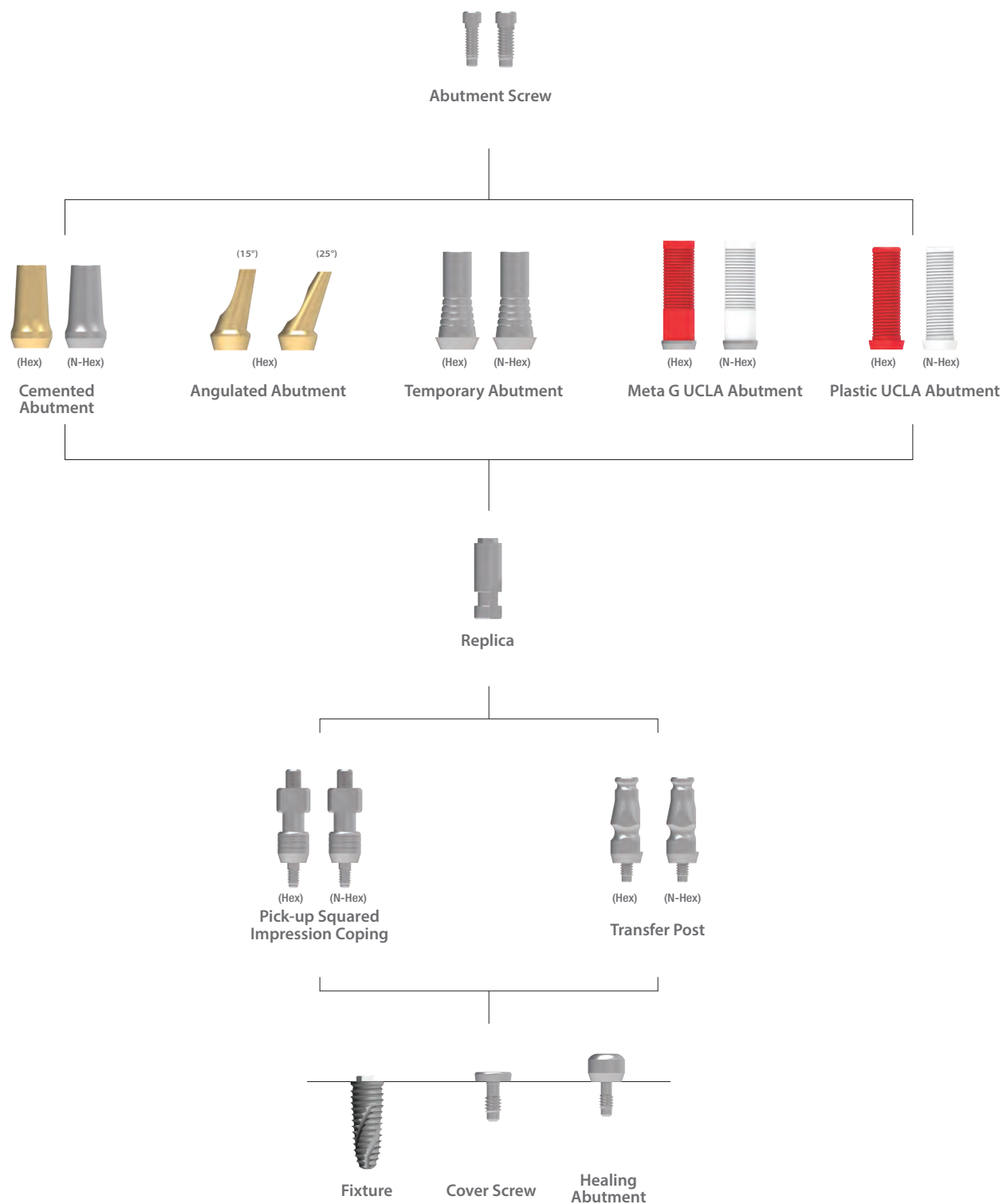
*실직경

Hex	Hex2.7	Hex3.4
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter	Ø5.0 *(Ø4.95)	Ø6.0 *(Ø5.95)
Length	2	HNW602
	3	HNW603
	4	HNW604
	5	HNW605
	6	HNW606
	7	HNW607

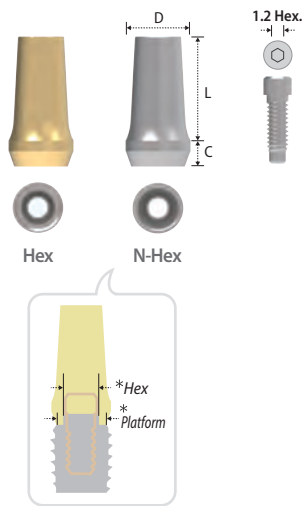
- > 포장단위 : 1 Healing Abutment
- > 치유기간 동안 Fixture에 체결하여 치은 형태 형성
- > Fixture platform, 치은 높이 및 사용 Abutment에 따라 선택 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 5~10Ncm

Prosthetic Procedure I

Component Selection Guide for Cemented & UCLA Abutment



Cemented Abutment



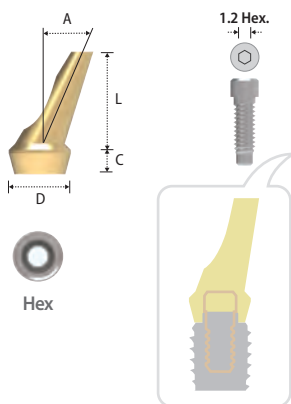
*실직경

* Type[Hex]	Hex[2.7]		Hex[3.4]	
* Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]		Ø5.1 [Ø5.0 / Ø6.0]	
Diameter	Ø5.0 *(Ø4.95)		Ø6.0 *(Ø5.95)	
Length Cuff	6	8	6	8
1	CHR516	CHR518	CHW616	CHW618
2	CHR526	CHR528	CHW626	CHW628
3	CHR536	CHR538	CHW636	CHW638
4	CHR546	CHR548	CHW646	CHW648

Type[Hex]	N-Hex			
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]		Ø5.1 [Ø5.0 / Ø6.0]	
Diameter	Ø5.0 *(Ø4.95)		Ø6.0 *(Ø5.95)	
Length Cuff	6	8	6	8
1	CNR516	CNR518	CNW616	CNW618
2	CNR526	CNR528	CNW626	CNW628
3	CNR536	CNR538	CNW636	CNW638
4	CNR546	CNR548	CNW646	CNW648

- > 포장단위 : 1 Cemented Abutment + 1 Abutment Screw(SHR100 / SHW100)
- > CRP 및 SCRP 유지형 보철 제작
- > 회전방지 단면 부여
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

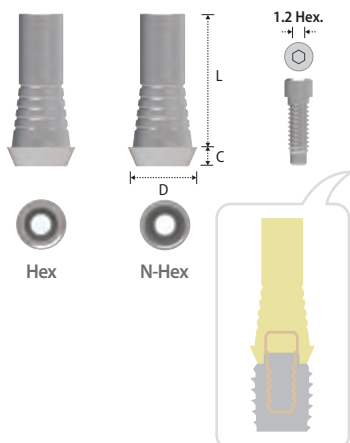
Angulated Abutment



Type[Hex]	Hex[2.7]	Hex[3.4]	Hex[2.7]	Hex[3.4]
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter (Angle)	Ø5 (15°)	Ø6 (15°)	Ø5 (25°)	Ø6 (25°)
Length Cuff	8	8	8	8
2	AAR152	AAW152	AAR252	AAW252
3	AAR153	AAW153	AAR253	AAW253
4	AAR154	AAW154	AAR254	AAW254

- > 포장단위 : 1 Angulated Abutment + 1 Abutment Screw(SHR100 / SHW100)
- > CRP 유지형 보철 제작
- > Fixture path를 보상(최대 25°) 및 전치부에 사용
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

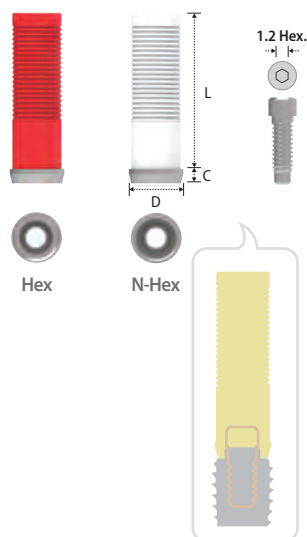
Temporary Abutment



Type[Hex]	Hex[2.7]	Hex[3.4]	N-Hex	N-Hex
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter	Ø5.4	Ø5.95	Ø5.4	Ø5.95
Length Cuff	12	12	12	12
1.5	THR001	THW001	TNR001	TNW001

- > 포장단위 : 1 Temporary Abutment + 1 Abutment(SHR100 / SHW100)
- > CRP, SRP 및 SCRP 유지형 임시 보철 제작
- > Resin 탈락 방지를 위한 Groove 부여
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

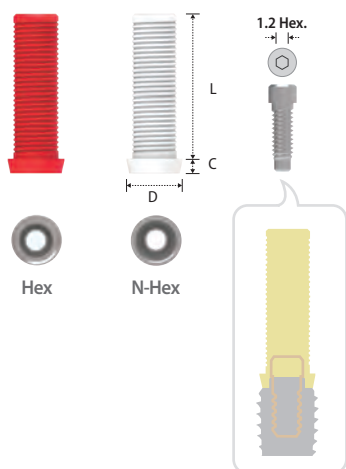
Meta G UCLA Abutment



Type[Hex]	Hex[2.7]	Hex[3.4]	N-Hex	N-Hex
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Length Cuff	13	13	13	13
1.2	GHR001N	GHW001N	GNR001N	GNW001N

- > 포장단위 : 1 Meta G UCLA Abutment + 1 Abutment Screw(SHR100 / SHW100)
- > CRP, SRP 및 SCRP 유지형 보철 제작
- > Path 조정, 심미 등을 위한 Customizing이 필요한 경우에 사용
- > 비귀금속 합금을 사용하여 Casting하여 보철물 제작
- > Metal base로 Connection부의 정밀도가 높음
- > Hex Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Fixture level impression

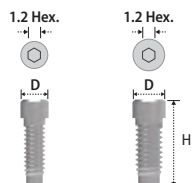
Plastic UCLA Abutment



Type[Hex]	Hex[2.7]	Hex[3.4]	N-Hex	N-Hex
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Length Cuff	11.8	11.8	11.8	11.8
1.2	PHR001	PHW001	PNR001	PNW001

- > 포장단위 : 1 Plastic UCLA Abutment + 1 Abutment Screw(SHR100 / SHW100)
- > Meta G UCLA Abutment와 같은 용도로 사용하나 Connection부의 정밀도가 떨어짐
- > 권장 체결 토크 : Casting 전 20Ncm이하, Casting 후 30Ncm

Abutment Screw



Type[Hex]	Hex[2.7]	Hex[3.4]
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter Height	Ø2.5	Ø3.0
8	SHR100	SHW100

- > 포장단위 : 1 Abutment Screw
- > Hex Driver와 Torque Wrench를 사용하여 체결

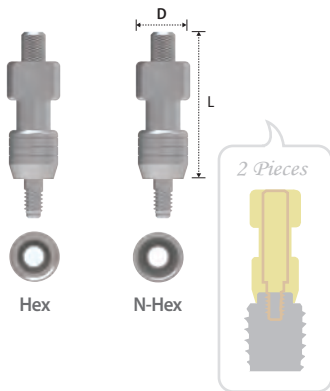
Replica



Type[Hex]	Hex[2.7]	Hex[3.4]
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter Height	Ø4.1	Ø5.1
12	LHR001	LHW001

- > 포장단위 : 1 Replica
- > Fixture analog로 작업모형 상에 Fixture 형상 구현

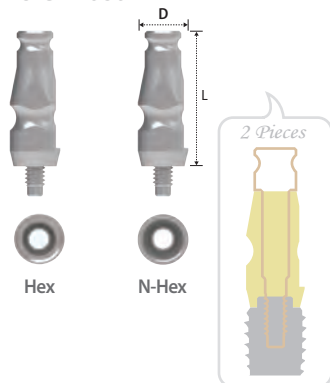
Pick-up Squared Impression Coping



Type[Hex]	Hex[2.7]	Hex[3.4]	N-Hex	N-Hex
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter Length	Ø5.0	Ø5.8	Ø5.0	Ø5.8
17	IHR500	IHW600	INR500	INW600

- > 포장단위 : 1 Pick-up Impression Coping + 1 Guide Pin(UHR115 / UHW115)
- > Open tray 사용(Custom tray)
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Transfer Post

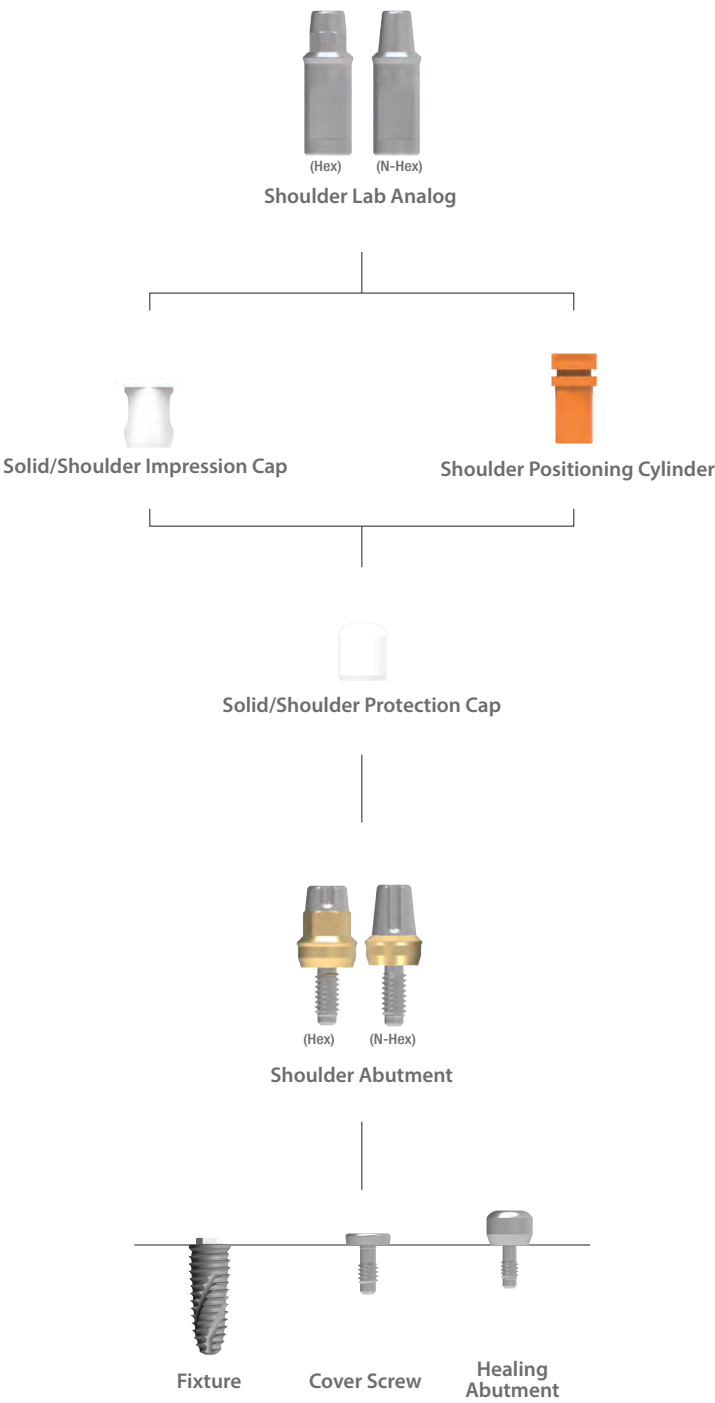


Type[Hex]	Hex[2.7]	Hex[3.4]	N-Hex	N-Hex
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter Length	Ø4.8	Ø5.8	Ø4.8	Ø5.8
13.1	IHR510	IHW610	INR510	INW610

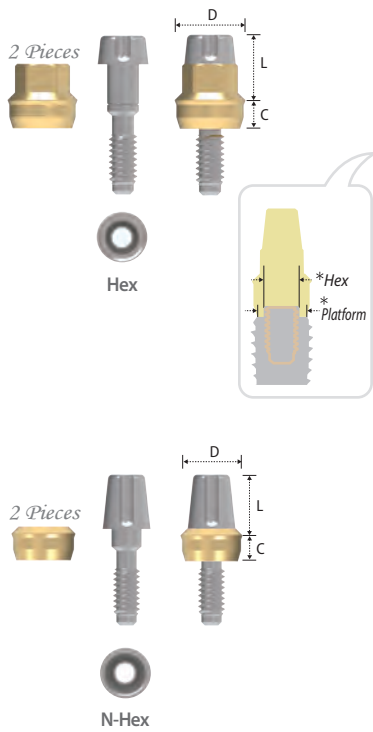
- > 포장단위 : Octa - 1 Transfer Post + 1 Guide Pin(IHR510S / IHW610S)
- > Closed tray 사용
- > Hex Driver를 사용하여 체결
- > 권장 체결 토크 : 12~15Ncm
- > Fixture level impression

Prosthetic Procedure II

Component Selection Guide for Shoulder Abutment



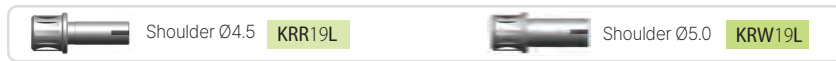
Shoulder Abutment



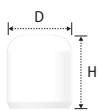
Type[Hex]	Hex[2.7]			Hex[3.4]		
* Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]			Ø5.1 [Ø5.0 / Ø6.0]		
Diameter	Ø4.8			Ø5.9		
Length Cuff	4	5.5	7	4	5.5	7
1	SAC414	SAC415	SAC417	SAC514	SAC515	SAC517
2	SAC424	SAC425	SAC427	SAC524	SAC525	SAC527
3	SAC434	SAC435	SAC437	SAC534	SAC535	SAC537
4	SAC444	SAC445	SAC447	SAC544	SAC545	SAC547

Type[Hex]	N-Hex			N-Hex		
* Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]			Ø5.1 [Ø5.0 / Ø6.0]		
Diameter	Ø4.8			Ø5.9		
Length Cuff	4	5.5	7	4	5.5	7
1	SAB414	SAB415	SAB417	SAB514	SAB515	SAB517
2	SAB424	SAB425	SAB427	SAB524	SAB525	SAB527
3	SAB434	SAB435	SAB437	SAB534	SAB535	SAB537
4	SAB444	SAB445	SAB447	SAB544	SAB545	SAB547

- > 포장단위 : 1 Solid Abutment(Solid type) + 1 Protection Cap
- > CRP 유지형 보철 제작
- > 회전방지 단면 부여
- > Shoulder Ratchet Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크: 30Ncm
- > Abutment level impression
- > Platform Ø4.1 Fixture(Ø3.5, 4.0, 4.5): Impression Cap 사용 인상 채득
- > Platform Ø5.1 Fixture(Ø5.0, 6.0): Direct impression



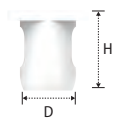
Solid/Shoulder Protection Cap



Shoulder Abutment Diameter	Ø4.8	Ø5.9
Diameter	Ø5.4	Ø6.5
Height	6.2	7.7
	IASR140	IASW140
	IASR155	IASW155
	IASR170	IASW170

- > 포장단위 : 1 Solid/Shoulder Protection Cap
- > 치유기간 중 구강 내 Abutment를 보호하고 환자의 이물감을 최소화
- > Abutment의 보철 마진을 형성하기 위한 Gingival retraction에 사용
- > 임시 보철의 하부구조로 사용 가능

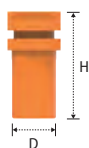
Solid/Shoulder Impression Cap



Shoulder Abutment Diameter	Ø4.8	Ø5.9
Diameter	8	9
Height		
8	IICR001	IICW001

- > 포장단위 : 1 Solid/Shoulder Impression Cap
- > Positioning Cylinder를 체결하여 인상 채득에 사용
- > 좌우로 회전하여 정확히 체결 되었는지 확인

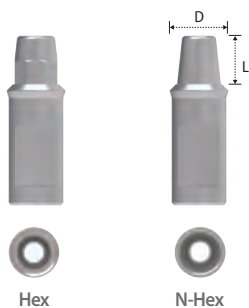
Shoulder Positioning Cylinder



Shoulder Abutment Diameter	Ø4.8	Ø5.9
Diameter	Ø4.4	Ø5.5
Height	10.7	
	SAPR001	SAPW001

- > 포장단위 : 1 Shoulder Positioning Cylinder
- > Abutment의 회전을 방지하기 위한 내부 단면 부여
- > Impression Cap에 체결

Shoulder Lab Analog

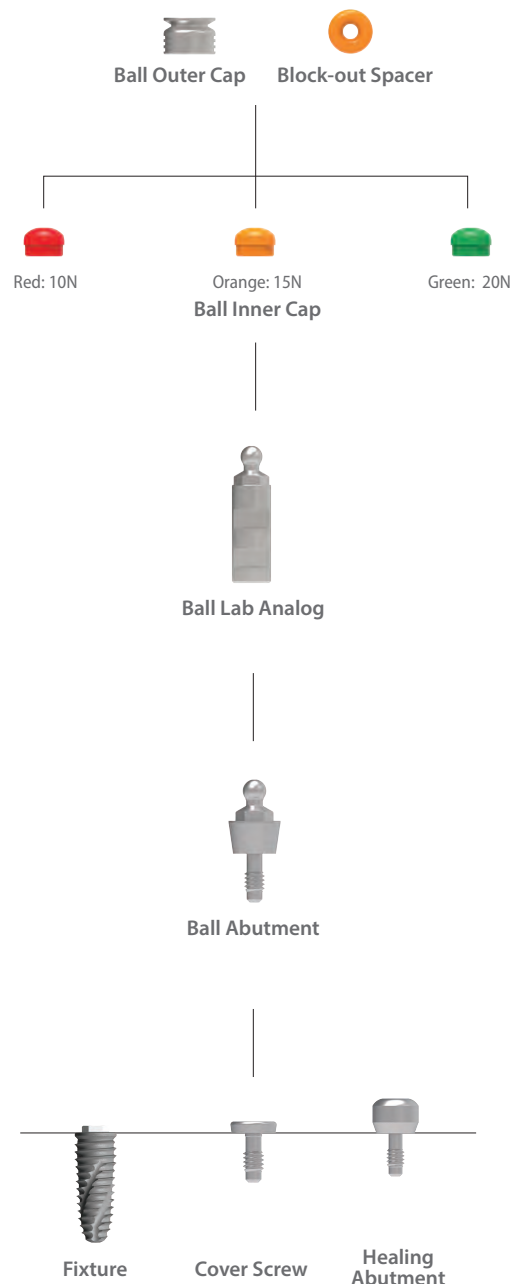


Type[Hex]	Hex[2.7&3.4]		N-Hex	
Shoulder Abutment Diameter	Ø4.8	Ø5.9	Ø4.8	Ø5.9
Diameter	Ø4.8	Ø5.9	Ø4.8	Ø5.9
Length				
4	SLCR040	SLCW040	SLBR040	SLBW040
5.5	SLCR055	SLCW055	SLBR055	SLBW055
7	SLCR070	SLCW070	SLBR070	SLBW070

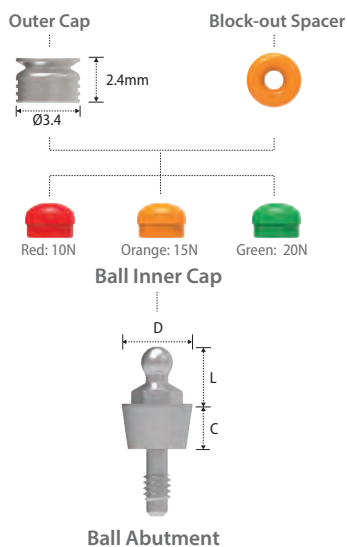
- > 포장단위 : 1 Shoulder Lab Analog
- > Abutment analog로 작업모형 상에 Abutment 형상 구현
- > 사용 Abutment에 따라 선택

Prosthetic Procedure III

Component Selection Guide for Ball Abutment



Ball Abutment

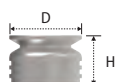


*실직경

Diameter	Ø5.0 *(Ø4.95)	Ø6.0 *(Ø5.95)
Length Cuff	4	4
1	EBAT411R	EBAT511R
2	EBAT412R	EBAT512R
3	EBAT413R	EBAT513R
4	EBAT414R	EBAT514R

- > 포장단위 : 1 Ball Abutment + 3 Inner Caps(유지력별 각 1개) + 1 Block-out Spacer + 1 Outer Cap
- > Implant supported ARP(Attachment Retained Prosthesis) 유지형 보철 제작
- > Ball Ratchet Driver와 Torque Wrench를 사용하여 체결
- > 권장 체결 토크 : 30Ncm
- > Direct impression

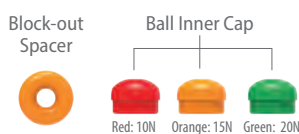
Ball Outer Cap



Diameter Height	Ø3.4
2.6	BATC003C

- > 포장단위 : 2 Outer Caps

Ball Inner Cap



BATC003I

- > 포장단위 : 2 Block-out Spacers + 6 Inner Caps (유지력별 각 2개)
- > 유지력 : 10N, 15N, 20N

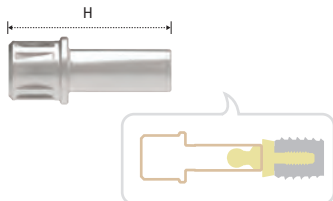
Ball Lab Analog



Diameter Length	Ø4.0
4	SBAL400

- > 포장단위 : 4 Ball Lab Analogs
- > Abutment analog로 작업모형 상에 Abutment 형상 구현

Ball Ratchet Driver



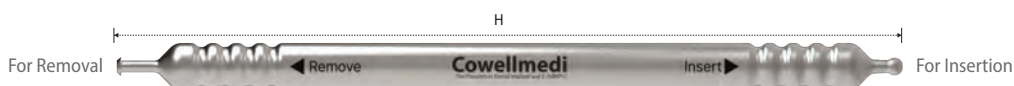
Type Height	Ratchet
19	KRB19L

- > 포장단위 : 1 Ball Ratchet Driver
- > Torque Wrench를 사용하여 Ball Abutment 체결

*Extra Product

Ball I&R Driver

Height	100
	KBIR01



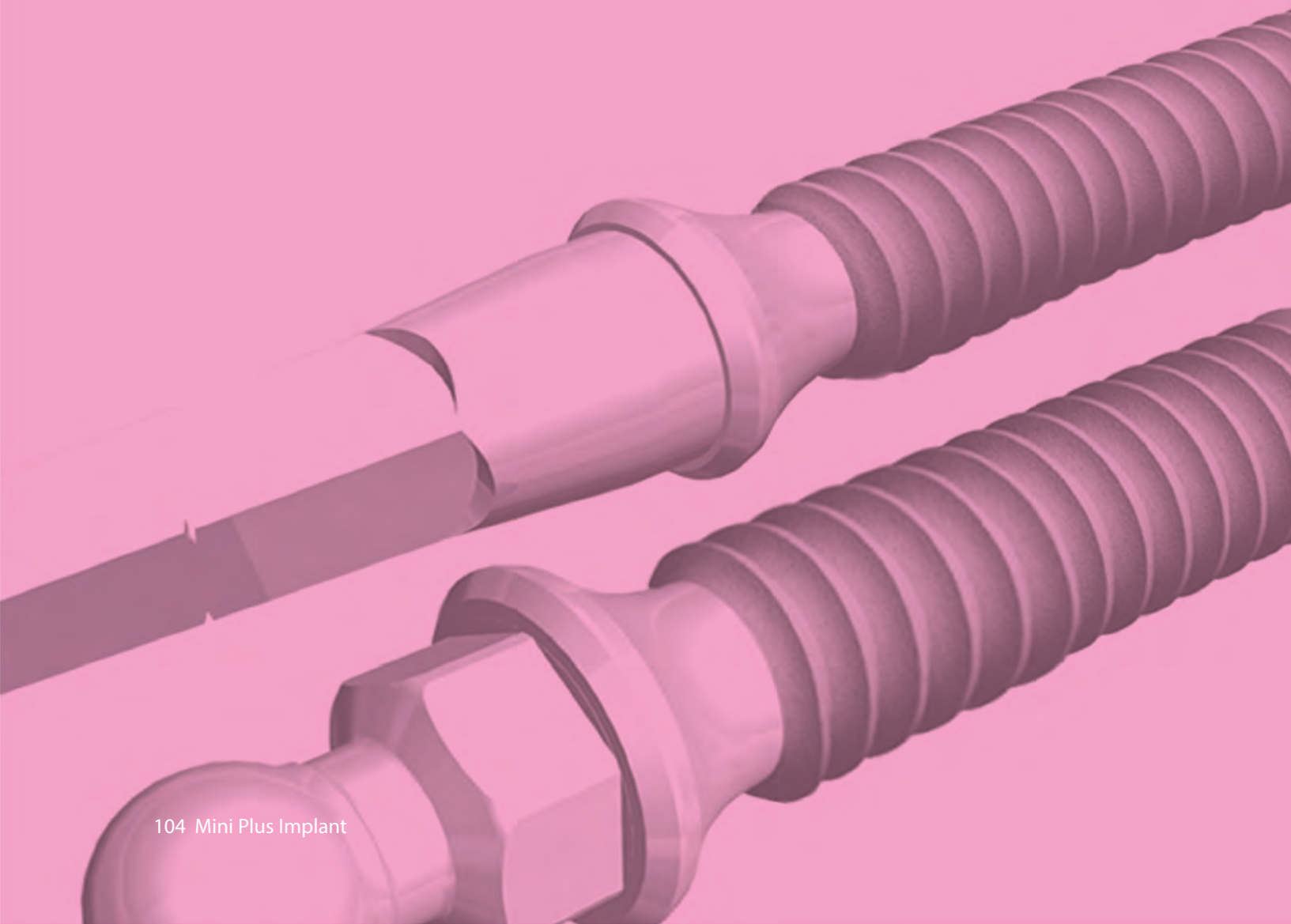
- > 포장단위 : 1 Ball I&R Driver
- > Inner Cap 삽입 및 제거 시 사용

Mini Plus Implant system

Mini Plus Implant

Cement Type

Ball Type

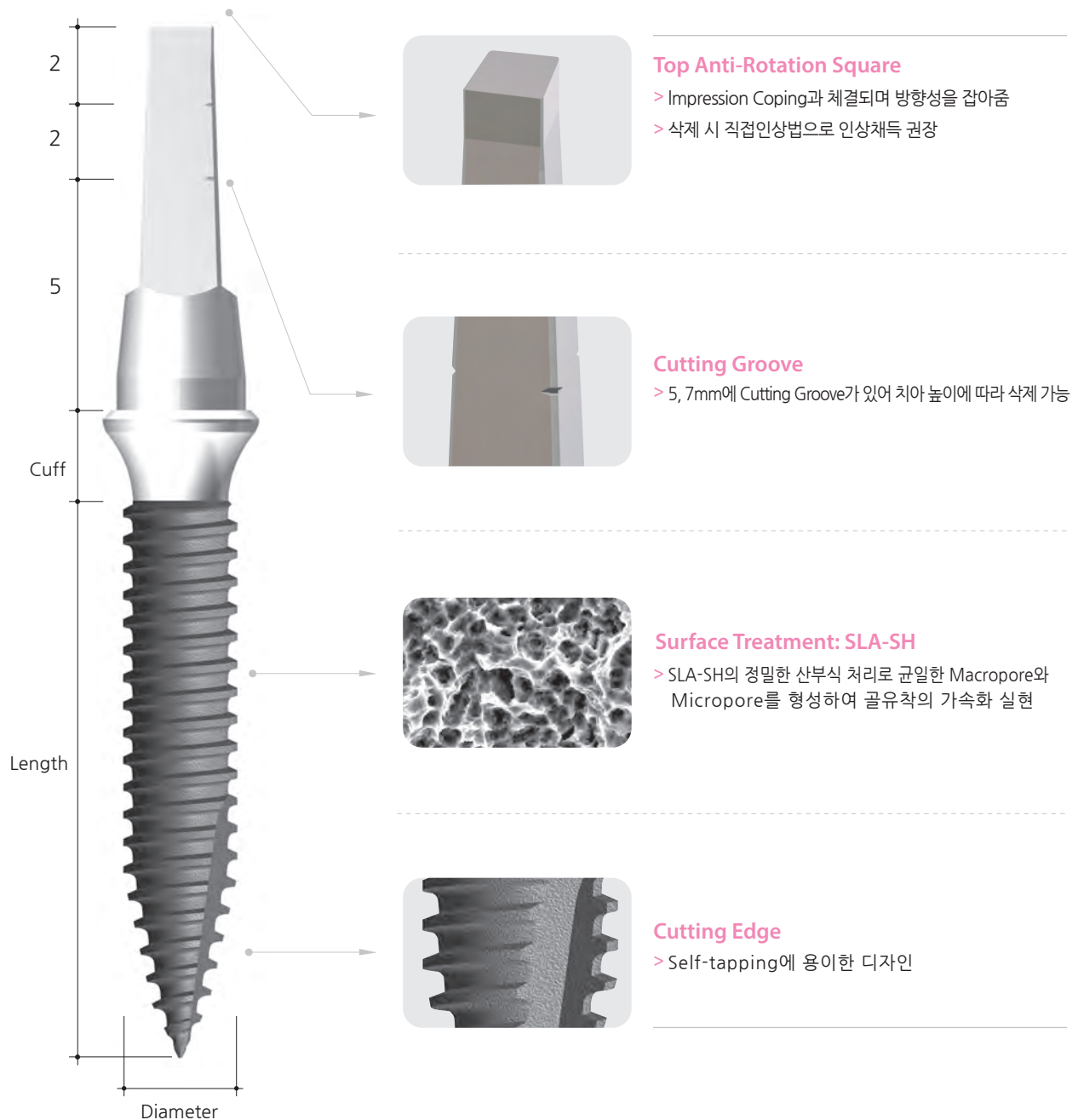


Mini Plus Implant System

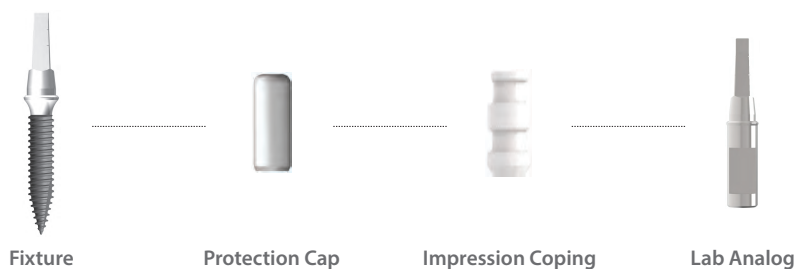
DESIGN OF MINI PLUS FIXTURE (1P-C.)

Cement Type

- > 주로 좁은 하악 전치 및 무치악 환자에 Temporary implant로 사용
- > Permanent fixture 식립 전 임시 교합 또는 Bone graft를 지지할 목적으로 사용



System Flow



Fixture



Diameter Length	Ø2.5	
	Cuff 2.0mm	4.0mm
10mm	AMC2210S	AMC2410S
12mm	AMC2212S	AMC2412S
14mm	AMC2214S	AMC2414S

- > 포장단위 : 1 Fixture
- > Abutment level impression



Diameter Length	Ø3.0	
	Cuff 2.0mm	4.0mm
10mm	AMC3210S	AMC3410S
12mm	AMC3212S	AMC3412S
14mm	AMC3214S	AMC3414S

- > 포장단위 : 1 Fixture
- > Abutment level impression

Impression Coping / Lab Analog



Impression Coping

AMCI001



Lab Analog

AMCL001

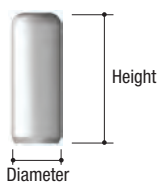
Impression Coping

- > 포장단위 : 1 Impression Coping
- > Abutment의 Shoulder에 체결되며 인상 채득 후 Lab Analog에 체결하여 구강모델 제작에 사용
- > Abutment 삭제 시 직접 인상법으로 인상 채득

Lab Analog

- > 포장단위 : 1 Lab Analog
- > Impression Coping으로 채득된 Tray에 삽입하여 구강모델 제작 시 사용되는 Abutment 형상
- > Abutment 삭제 시 Abutment 형상과 동일한 삭제 권장

Protection Cap



Diameter Height	Ø4.0
7mm	AMCC001
9mm	AMCC002
11mm	AMCC003

- > 포장단위 : 1 Protection Cap
- > Fixture 식립 후 구강점막 및 혀를 보호하기 위하여 사용

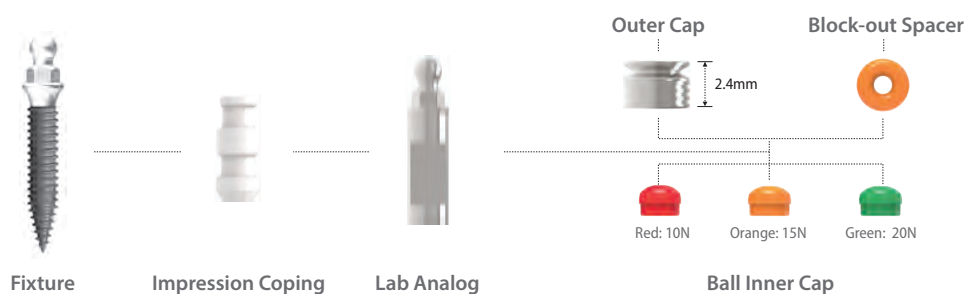
DESIGN OF MINI PLUS FIXTURE (1P-B.)

Ball Type

> Temporary implant로 무치악 환자에 implant supported overdenture 제작 시 일정 기간 사용



System Flow



Fixture



Diameter	Ø2.5	
Length \ Cuff	2.0mm	4.0mm
10mm	AMB2210S	AMB2410S
12mm	AMB2212S	AMB2412S
14mm	AMB2214S	AMB2414S

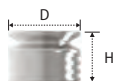
- > 포장단위 : 1 Fixture
- > Abutment level impression



Diameter	Ø3.0	
Length \ Cuff	2.0mm	4.0mm
10mm	AMB3210S	AMB3410S
12mm	AMB3212S	AMB3412S
14mm	AMB3214S	AMB3414S

- > 포장단위 : 1 Fixture
- > Abutment level impression

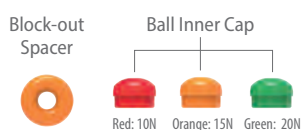
Ball Outer Cap



Diameter Height	Ø3.4
2.4	BATC003C

- > 포장단위 : 2 Outer Caps

Ball Inner Cap



Code
BATC003I

- > 포장단위 : 2 Block-out Spacers + 6 Inner Caps (유지력별 각 2개)
- > 유지력 : 10N, 15N, 20N

Impression Coping / Lab Analog



Impression Coping

AMBI001



Lab Analog

AMBL001

Impression Coping

- > 포장단위 : 1 Impression Coping
- > Ball Post의 인상 채득을 위해 사용

Lab Analog

- > 포장단위 : 1 Lab Analog
- > Impression Coping으로 채득된 Tray에 삽입하여 구강모델 제작 시 사용되는 Abutment 형상

INNO SUB. FULL SURGICAL KIT [KCA010F]

SUB.
HEXAGON
SYSTEM

- > INNO Submerged Implant System(Sub.)
- > Fixture Driver 및 Depth Gauge의 치은 높이 측정부 제외 전 구성품 Sub. Int. 및 Ext. 공용



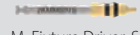
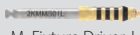
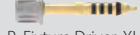
Ø3.5 Fixture
Final Drill

Ø4.0 Fixture
Final Drill

Ø4.5 Fixture
Final Drill

Ø5.0 Fixture
Final Drill

Ø6.0 Fixture
Final Drill

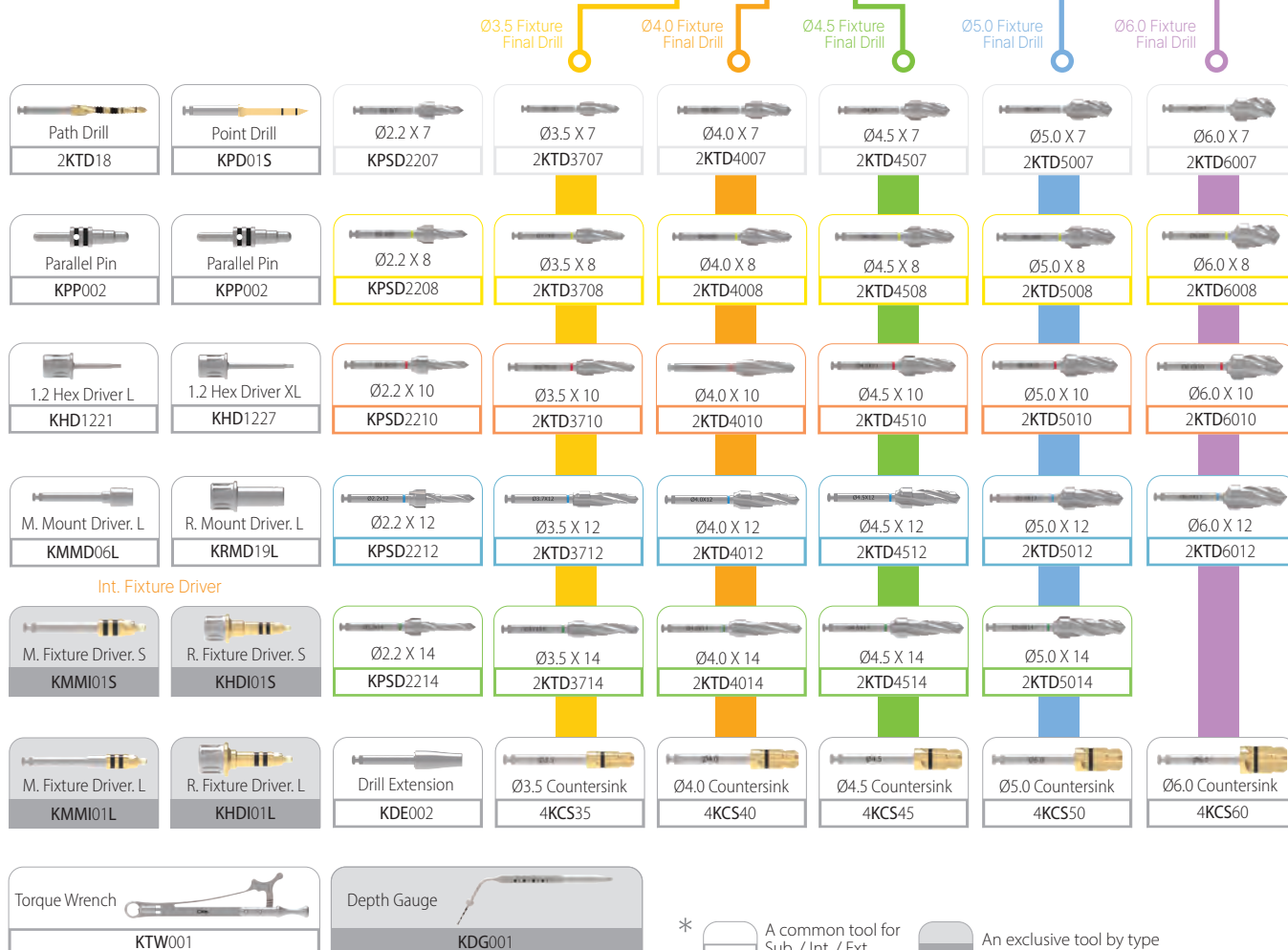
 Path Drill 2KTD18	 Point Drill KPD015	 Ø2.2 X 7 KPSD2207	 Ø3.5 X 7 2KTD3707	 Ø4.0 X 7 2KTD4007	 Ø4.5 X 7 2KTD4507	 Ø5.0 X 7 2KTD5007	 Ø6.0 X 7 2KTD6007
 Parallel Pin KPP002	 Parallel Pin KPP002	 Ø2.2 X 8 KPSD2208	 Ø3.5 X 8 2KTD3708	 Ø4.0 X 8 2KTD4008	 Ø4.5 X 8 2KTD4508	 Ø5.0 X 8 2KTD5008	 Ø6.0 X 8 2KTD6008
 1.2 Hex Driver L KHD1221	 1.2 Hex Driver XL KHD1227	 Ø2.2 X 10 KPSD2210	 Ø3.5 X 10 2KTD3710	 Ø4.0 X 10 2KTD4010	 Ø4.5 X 10 2KTD4510	 Ø5.0 X 10 2KTD5010	 Ø6.0 X 10 2KTD6010
 M. Mount Driver. L KMMD06L	 R. Mount Driver. L KRMD19L	 Ø2.2 X 12 KPSD2212	 Ø3.5 X 12 2KTD3712	 Ø4.0 X 12 2KTD4012	 Ø4.5 X 12 2KTD4512	 Ø5.0 X 12 2KTD5012	 Ø6.0 X 12 2KTD6012
 M. Fixture Driver. S 2KMMS01S	 R. Fixture Driver. L 2KHS01L	 Ø2.2 X 14 KPSD2214	 Ø3.5 X 14 2KTD3714	 Ø4.0 X 14 2KTD4014	 Ø4.5 X 14 2KTD4514	 Ø5.0 X 14 2KTD5014	
 M. Fixture Driver. L 2KMMS01L	 R. Fixture Driver. XL 2KHS01X	 Drill Extension KDE002	 Ø3.5 Countersink 4KCS35	 Ø4.0 Countersink 4KCS40	 Ø4.5 Countersink 4KCS45	 Ø5.0 Countersink 4KCS50	 Ø6.0 Countersink 4KCS60
 Torque Wrench KTW001	 Depth Gauge KDG004						

*  A common tool for Sub. / Int. / Ext.  An exclusive tool by type

INNO INT. FULL SURGICAL KIT [KCA010FI]



- > INNO Internal Implant System(Int.)
- > Fixture Driver 제외 전 구성품 Sub. Int. 및 Ext. 공용

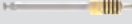
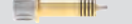
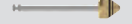


INNO EXT. FULL SURGICAL KIT [KCA010FE]



- > INNO External Implant System(Ext.)
- > Fixture Driver 제외 전 구성품 Sub. Int. 및 Ext. 공용



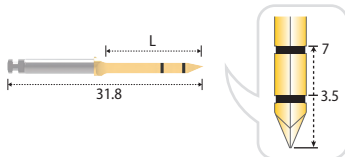
 Path Drill 2KTD18	 Point Drill KPD015	 Ø2.2 X 7 KPSD2207	 Ø3.5 X 7 2KTD3707	 Ø4.0 X 7 2KTD4007	 Ø4.5 X 7 2KTD4507	 Ø5.0 X 7 2KTD5007	 Ø6.0 X 7 2KTD6007
 Parallel Pin KPP002	 Parallel Pin KPP002	 Ø2.2 X 8 KPSD2208	 Ø3.5 X 8 2KTD3708	 Ø4.0 X 8 2KTD4008	 Ø4.5 X 8 2KTD4508	 Ø5.0 X 8 2KTD5008	 Ø6.0 X 8 2KTD6008
 1.2 Hex Driver L KHD1221	 1.2 Hex Driver XL KHD1227	 Ø2.2 X 10 KPSD2210	 Ø3.5 X 10 2KTD3710	 Ø4.0 X 10 2KTD4010	 Ø4.5 X 10 2KTD4510	 Ø5.0 X 10 2KTD5010	 Ø6.0 X 10 2KTD6010
 M. Mount Driver. L KMMD06L	 R. Mount Driver. L KRMD19L	 Ø2.2 X 12 KPSD2212	 Ø3.5 X 12 2KTD3712	 Ø4.0 X 12 2KTD4012	 Ø4.5 X 12 2KTD4512	 Ø5.0 X 12 2KTD5012	 Ø6.0 X 12 2KTD6012
Ext. Fixture Driver		 Ø2.2 X 14 KPSD2214	 Ø3.5 X 14 2KTD3714	 Ø4.0 X 14 2KTD4014	 Ø4.5 X 14 2KTD4514	 Ø5.0 X 14 2KTD5014	
 M. Fixture Driver. S KMME01S	 R. Fixture Driver. L KHDE01L						
 M. Fixture Driver. S KMME02S	 R. Fixture Driver. L KHDE02L	 Drill Extension KDE002	 Ø3.5 Countersink 4KCS35	 Ø4.0 Countersink 4KCS40	 Ø4.5 Countersink 4KCS45	 Ø5.0 Countersink 4KCS50	 Ø6.0 Countersink 4KCS60
 Multi Countersink 4KCS01	 Torque Wrench KTW001	 Depth Gauge KDG001		*  A common tool for Sub. / Int. / Ext.  An exclusive tool by type			

01



Drill / Surgical Tool

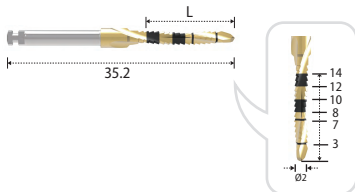
Point Drill



- > Cortical Bone에 천공 위치를 선정하여 초기 Drilling을 용이
- > 골재생술 시 치유에 필요한 신생혈관의 성장을 위해 주변 수용부의 단단한 골조직 천공

Length	15
KPD015	

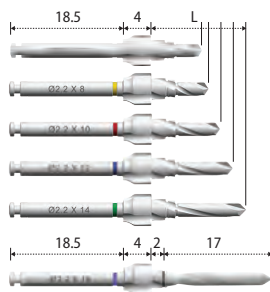
Path Drill



- > Drilling 시 식립 Path를 수정해야할 경우 사용

Length	15
2KTD18	

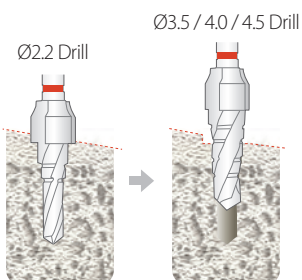
Initial Drill



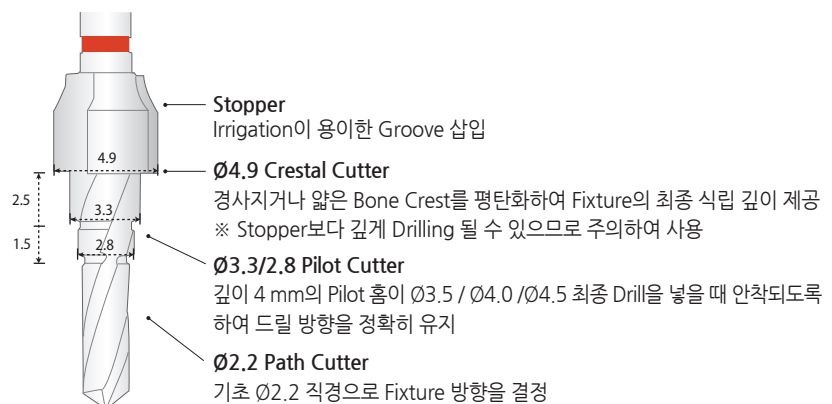
- Length band
- 7mm Fixture
- 8mm Fixture
- 10mm Fixture
- 12mm Fixture
- 14mm Fixture
- 16&18mm Fixture

Length	8	9	11	13	15	17&19
	KPSD2207	KPSD2208	KPSD2210	KPSD2212	KPSD2214	*KPSD2218

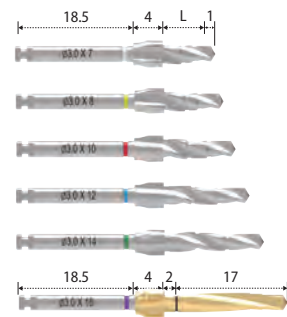
* 별도 판매



Final Drill 기진입량 확보



Final Drill

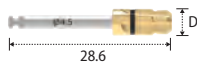


> 7, 8, 10, 12, 14, 16, 18mm Fixture의 각 직경별 Final Drill

Fixture Dia. Length	Ø3.0	Ø3.5	Ø4.0	Ø4.5	Ø5.0	Ø6.0
7	*2KTD3007	2KTD3707	2KTD4007	2KTD4507	2KTD5007	2KTD6007
8	*2KTD3008	2KTD3708	2KTD4008	2KTD4508	2KTD5008	2KTD6008
10	*2KTD3010	2KTD3710	2KTD4010	2KTD4510	2KTD5010	2KTD6010
12	*2KTD3012	2KTD3712	2KTD4012	2KTD4512	2KTD5012	2KTD6012
14	*2KTD3014	2KTD3714	2KTD4014	2KTD4514	2KTD5014	
16&18	*2KTD3018	*2KTD3718	*2KTD4018	*2KTD4518		

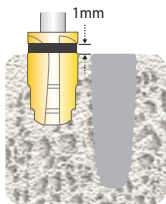
* 별도판매

Countersink

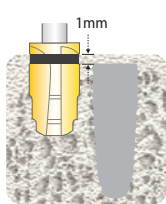


> Hard bone에서 Cortical bone 삭제(hole 확장) 시 사용

Fixture Dia.	Ø3.5	Ø4.0	Ø4.5	Ø5.0	Ø6.0
Diameter	Ø3.7	Ø4.2	Ø4.6	Ø5.1	Ø6.0
	4KCS35	4KCS40	4KCS45	4KCS50	4KCS60



Fixture 상부가
치조골면과 일치
하게 매식

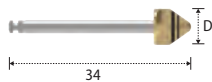


치조골면 아래로
1mm 이상 깊게
매식

1mm 깊게 식립할 경우 Marking Line 상단선까지 Drilling

* 골질이 너무 단단하여 Fixture 식립이 완전하게 되지 않을 경우 카운터 싱크 상단까지 Drilling

Multi Countersink



Diameter	Ø6.5
	4KCS01



Ø6.0 Fixture line.
Ø5.0 Fixture line.
Ø4.5 Fixture line.
Ø3.5 / Ø4.0 Fixture line.

> External 전용 Countersink

> Fixture 직경별 Laser marking에 맞추어 Drilling

Tap Drill

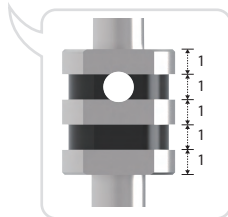
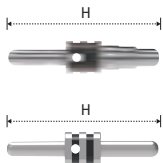


> D1이상의 Hard Bone일 경우 선택적 사용

Fixture Dia.	Ø3.5	Ø4.0	Ø4.5	Ø5.0	Ø6.0
	*3KMTD35A	*3KMTD40A	*3KMTD45A	*3KMTD50A	*3KMTD60A

* 별도판매

Parallel Pin



잇몸높이 확인용
Marking Line(1~5mm)

> Fixture의 위치와 방향 확인 시 사용

> 중간의 작은 관통 구멍에 실을 꿰어 구강안에서 떨어뜨릴 경우 삼키지 않도록 함

Height	21
	KPP002
	*KPP002P

* 별도판매

Ø2.2 Initial Drilling 후 확인

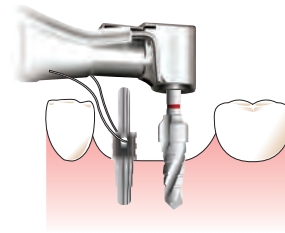


Ø3.5 Final Drilling 후 확인

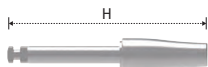
Ø1.8 Initial Drilling 후 확인



Ø2.2 Final Drilling 후 확인



Drill Extension



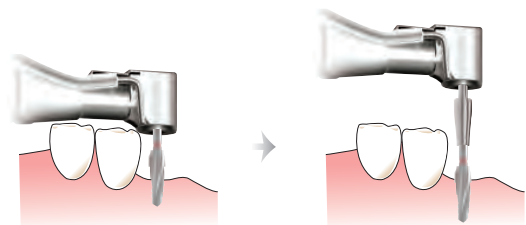
Height	27.5
	KDE002



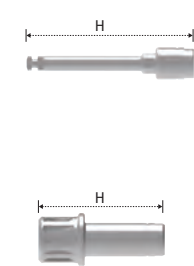
Drill을 삽입한 후 회전하여 딸깍 소리가 나면 체결 완료

> Hand Piece용 Tool의 길이 연장

> 부정확한 체결상태로 무리한 힘을 가할 시 끼거나 휘고 파절이 발생할 수 있음



Mount Driver



> Mount가 있는 Pre-Mount type의 Fixture 식립 시 Mount에 체결하여 사용

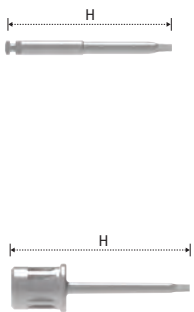
Height \ Type	Machine
20.5(Short)	* KMMD06S
26.3(Long)	KMMD06L
32.3(X-Long)	* KMMD12X

* 별도판매

Height \ Type	Ratchet
12(Short)	* KRMD12S
19(Long)	KRMD19L

* 별도판매

Hex Driver



> Cover Screw, Abutment 체결 및 제거 등 여러가지 용도로 사용

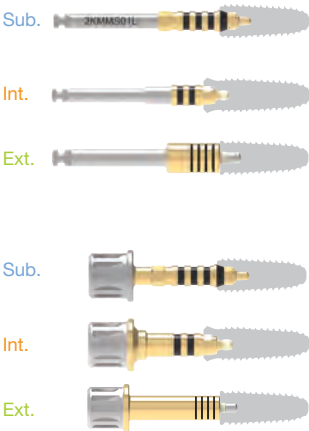
Type	Machine	
Height \ Hex	Hex 0.9	Hex 1.2
22(Short)	* KMD09S	* KMD12S
28(Long)	* KMD09L	* KMD12L

* 별도판매

Type	Ratchet	
Height \ Hex	Hex 0.9	Hex 1.2
12(X-Short)	-	* KHD1212
17(Short)	* KHD0915	* KHD1215
23(Long)	* KHD0921	KHD1221
29(X-Long)	* KHD0927	KHD1227

* 별도판매

Fixture Driver



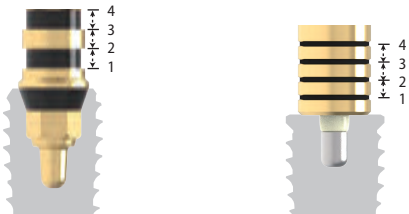
> Mount가 없는 No-Mount type의 Fixture 식립 시 Fixture에 직접 체결하여 사용

Type	Machine			
Length \ System	Sub.	Int.	Ext.(Hex 2.7)	Ext.(Hex 3.4)
28.1 / 26.3 / 26.4 (Short)	2KMMS01S	KMMI01S	KMME01S	KMME02S
33.3 / 30.5 / 31.4 (Long)	2KMMS01L	KMMI01L	* KMME01L	
40.3 / 35.5 / 36.4 (X-Long)	* 2KMMS01X	* KMMI01X	* KMME01X	

* 별도판매

Type	Ratchet			
Length \ System	Sub.	Int.	Ext.(Hex 2.7)	Ext.(Hex 3.4)
20.7 / 19.5 / 19.9 (Short)	* 2KHDS01S	KHDI01S	* KHDE01S	
25.7 / 24.5 / 24.9 (Long)	2KHDS01L	KHDI01L	KHDE01L	KHDE02L
30.7 / 29.5 / 29.9 (X-Long)	2KHDS01X	* KHDI01X	* KHDE01X	

* 별도판매



Torque Wrench



- > Fixture를 식립 할 때와 Fixture에 보철 부속을 연결할 때 수동으로 회전력을 제어
- > 탄성 손잡이를 이용하여 10 / 25 / 30 / 35 Ncm으로 회전력을 제어할 수 있으며, 단단한 일자 손잡이를 잡고 돌리면 최대 120 Ncm

Code

KTW001



Depth Gauge



- > Drilling된 깊이를 측정, 반대편에 있는 5mm폭의 편평한 면이 인접한 Fixture의 최소 간격을 유지하도록 함

Code

KDG001



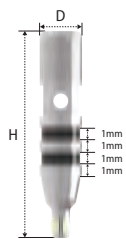
- > Depth Gauge의 한 쪽은 Drilling 깊이를 측정하며, 다른 한 쪽은 Fixture 상단 부터 치은의 높이 측정

Code

KDG004

※ Submerged(Sub.) 전용

Fixture Path Gauge



Sub. Regular

- > Implant 식립 후 Path확인 및 치은 높이 측정
- > Implant Connection에 따라 INNO Sub. Implant에 사용

Type	Sub. Regular
Diameter	Ø3.5
Height	17

* KFPG01R

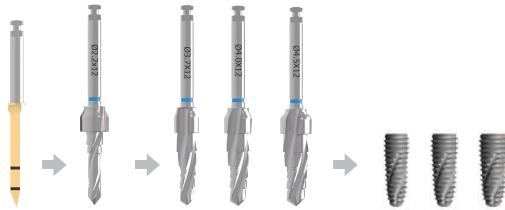
* 별도판매



- * 제품 상단의 Marking으로 Connection 구분
- R - INNO Sub. Regular
- N - INNO Sub. Narrow

02 Drilling Sequence E.g. 12mm Fixture

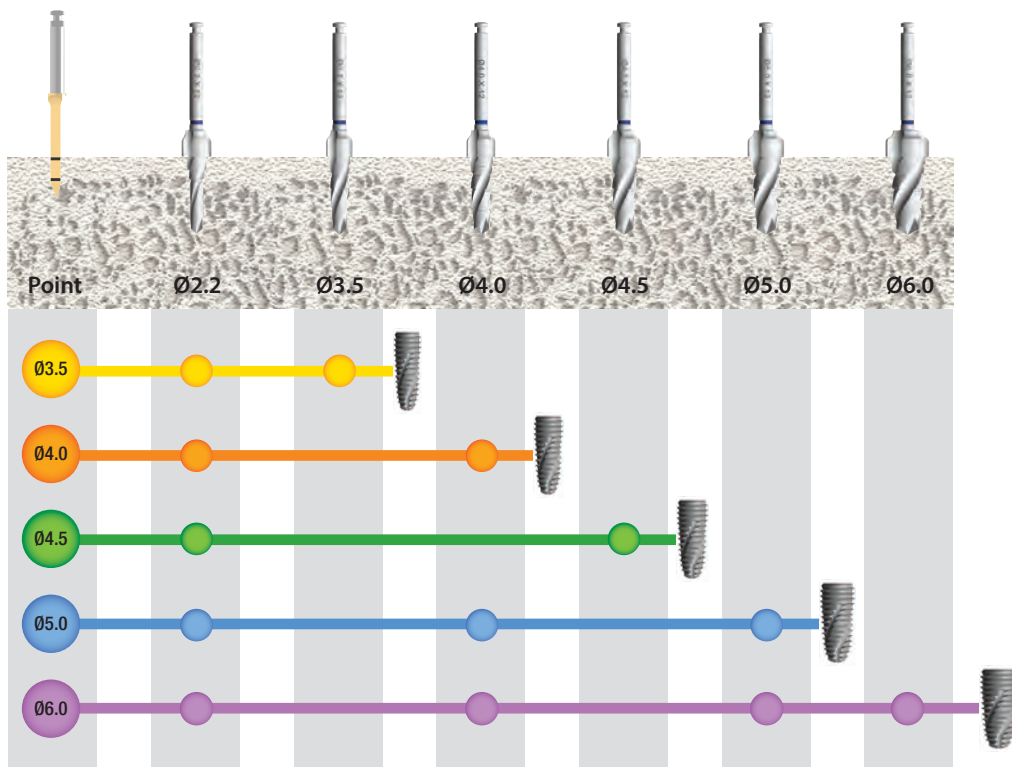
> Ø2.2 Initial Drill과 Final Drill를 이용한 간단한 Drill sequence (Ø3.5 / 4.0 / 4.5 fixture)



> Length Marking



Actual length of the Drill: Fixture + 1mm



> Ø5.0 fixture: a series of the Point Drill, Initial Drill, Ø4.0 Final Drill, and Ø5.0 Final Drill.

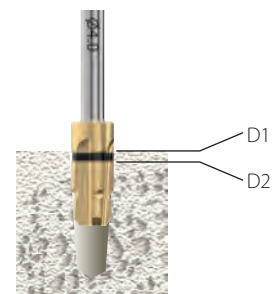
> Ø6.0 fixture: a series of the Point Drill, Initial Drill, Ø4.0 Final Drill, Ø5.0 Final Drill, and Ø6.0 Final Drill.

Soft Bone (D4)

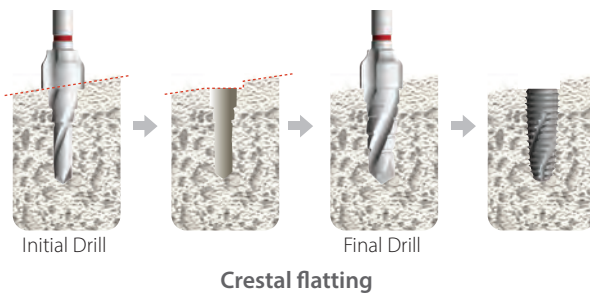
1단계 작은 직경의 Final Drill → Fixture식립

Hard Bone(D1, D2)

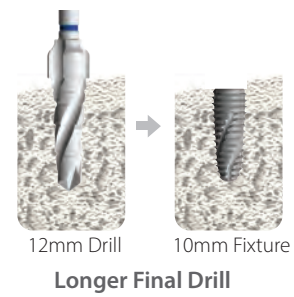
Final Drill → Countersink → Fixture식립



※ 경사진 치조능선에서의 Drill법

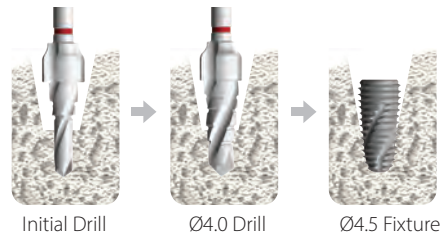


- > Initial Drill 및 Final Drill의 Crestal Cutter로 평탄화
- > Implant 길이보다 한 치수 더 긴 Drill 사용



※ 넓은 발치와에서의 Drill법

- > 해면골에 식립
- > Fixture 직경보다 한 치수 좁은 Drill 사용



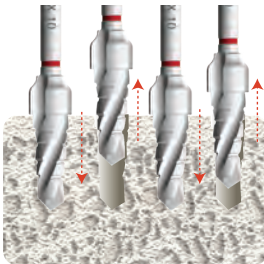
※ 식립 토크 조정법

- > 0.5mm 더 깊게 식립하여 최대 토크를 올릴 수 있음



Fixture placement level						
Level	Crestal Level			0.5mm Deeper Level		
Density	D1	D2	D3	D1	D2	D3
Torque	34.1	29	15.5	44.4	38.4	19.1

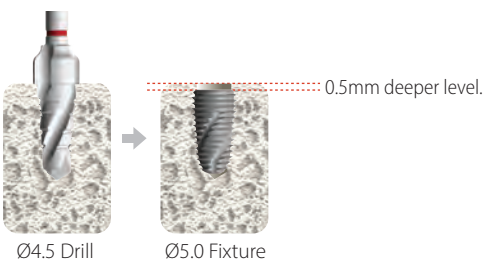
- > Drill 홈에서 Pumping Action으로 골 분쇄물 제거 효과
- > 치밀골에서는 식립 토크를 낮춤



Pumping action while final drilling			
Density	D1	D2	D3
Non-Debridement	34.1	29	19.6
Debridement	30	25	15.5

※ Bone Quality 4에서의 토크 조정

- > Pumping Action을 하지 않고 한 번에 최종 깊이까지 Drilling
- > 0.5mm 더 깊게 식립
- > 식립 Implant보다 한 단계 낮은 직경의 Final Drill 사용



Level	Crestal level		0.5mm Deeper Level	
Debridement	with	without	with	without
Ø4.5 Fixture	4.4	10.2	-	12.9
Ø5.0 Fixture	11.6	19.9	14.1	24.5

INNO SUB. SHORT SURGICAL KIT [KSI001]



> INNO Submerged Short Implant System(Sub.)



Point Drill

Point Drill

KPD01S

Step Drill

Ø2.0 Step Drill

KSSD2004

Ø4.0 Step Drill

KSSD4004

Ø4.5 Step Drill

KSSD4504

Ø5.0 Step Drill

KSSD5004

Ø5.5 Step Drill

KSSD5504

Ø6.0 Step Drill

KSSD6004

Stopper

4mm Drill Stopper

SIDS04

5.5mm Drill Stopper

SIDS05

7mm Drill Stopper

SIDS07

Countersink

Ø4.0 Countersink

4KCS40S

Ø4.5 Countersink

4KCS45S

Ø5.0 Countersink

4KCS50S

Ø5.5 Countersink

4KCS55S

Ø6.0 Countersink

4KCS60S

Mount Driver

M. Mount Driver. L

KMMD06L

R. Mount Driver. L

KRMD19L

Hex Driver

1.2 Hex Driver L

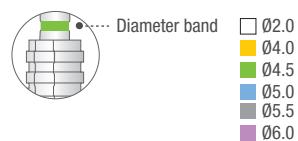
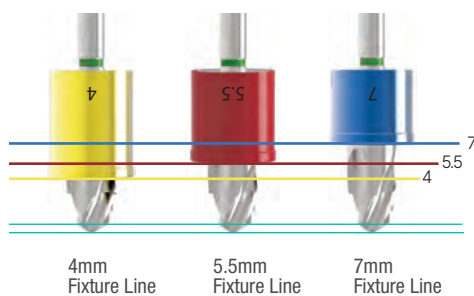
KHD1221

Torque Wrench

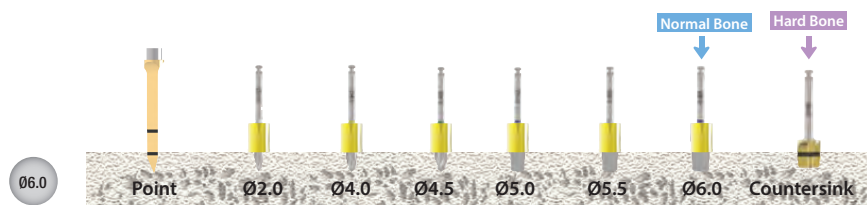
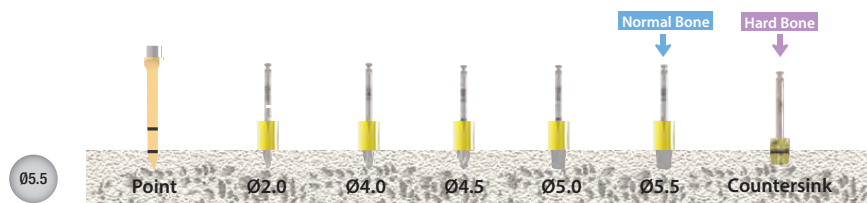
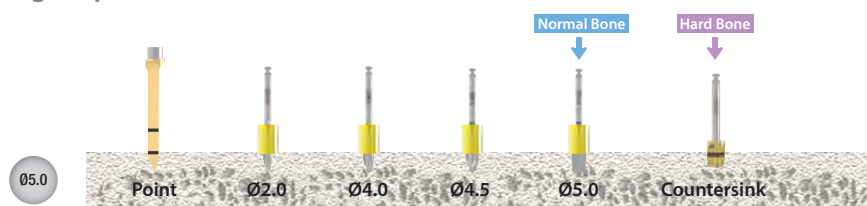
KTW001

Length Marking & Stopper

Actual length of drill: Fixture + 0.5mm.



Drilling Sequence



INNO SUB. NARROW SURGICAL KIT [KNA001]



> IINNO Submerged Narrow Implant System(Sub-N.)



Point Drill

Point Drill

KNPD20

Twist Drill

Ø2.2 Twist Drill

KNSD22L

Ø2.6 Twist Drill

KNSD26L

Ø3.1 Twist Drill

KNSD31L

Ø3.3 Twist Drill

KNSD33L

Stopper

8 Drill Stopper

KNDS08

10 Drill Stopper

KNDS10

12 Drill Stopper

KNDS12

Countersink

Ø3.1 Countersink

4KCS31N

Ø3.3 Countersink

4KCS33N

Fixture Driver

Fixture Driver(Ratchet)

KHDS01XN

Fixture Driver(Machine)

KMMS01XN

Parallel Pin

Parallel Pin

KPP003

Hex Driver

1.2 Hex Driver L

KHD1221

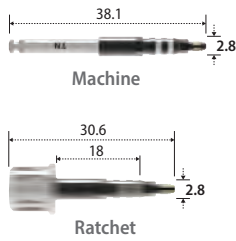
Depth Gauge

KDG001

Torque Wrench

KTW001

Fixture Driver



Type	Machine	Ratchet
	KMMS01XN	KHDS01XN

- > No-Mount type의 Fixture 식립 시 Fixture에 직접 체결하여 사용
- > Pre-Mount의 경우 Mount Driver를 사용하여 식립 (* 별도 판매)

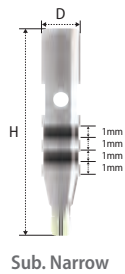
Parallel Pin



Code	KPP003
------	--------



Fixture Path Gauge



- > Implant 식립 후 Path확인 및 치은 높이 측정
- > Implant Connection에 따라 INNO Sub. Narrow Implant에 사용

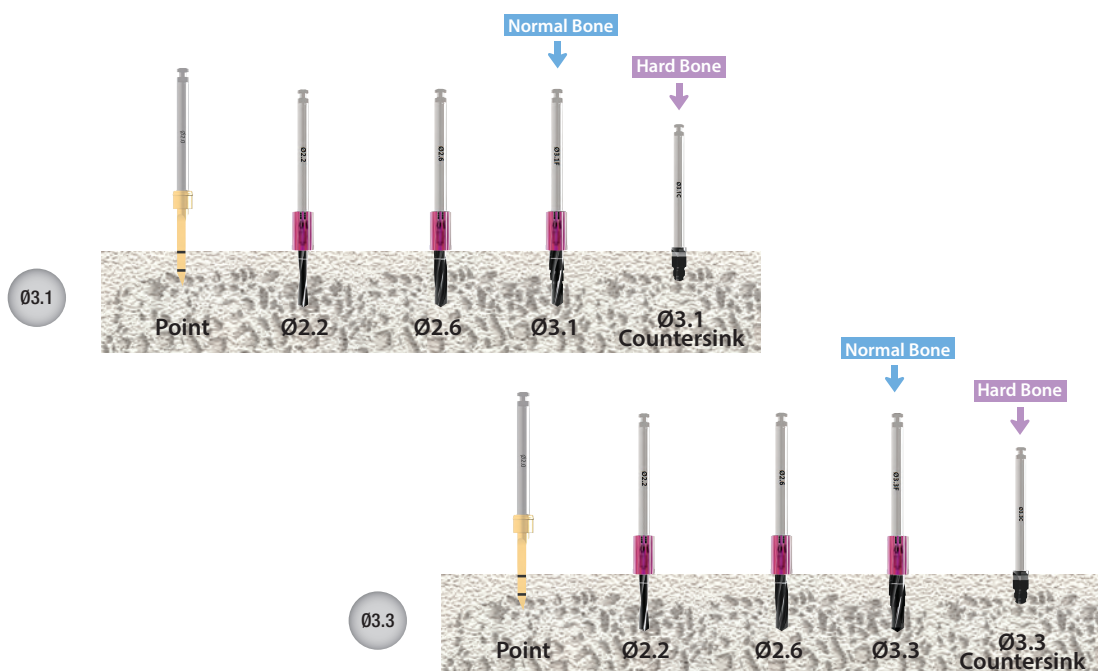
Type	Sub. Narrow
Diameter	Ø3.1
Height	17
	* KFPG01N

* 별도 판매

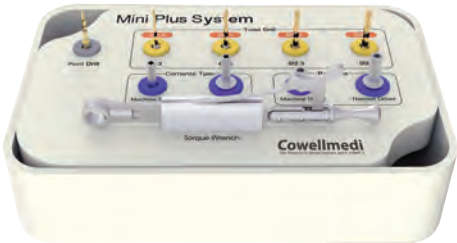


- * 제품 상단의 Marking으로 Connection 구분
- R - INNO Sub. Regular
- N - INNO Sub. Narrow

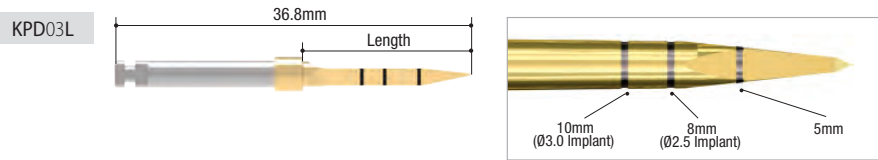
Drilling Sequence



MINI PLUS SURGICAL KIT [KMA003]

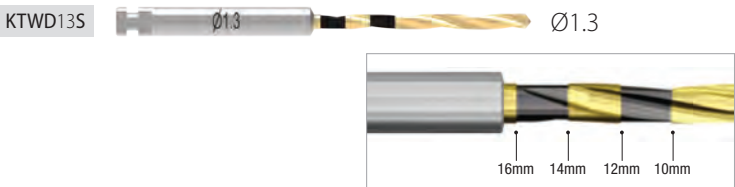


Point Drill

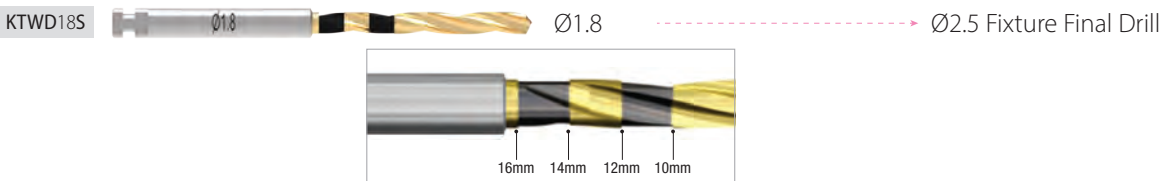


> Cortical Bone에 천공 위치를 선정하여 초기 Drilling을 용이

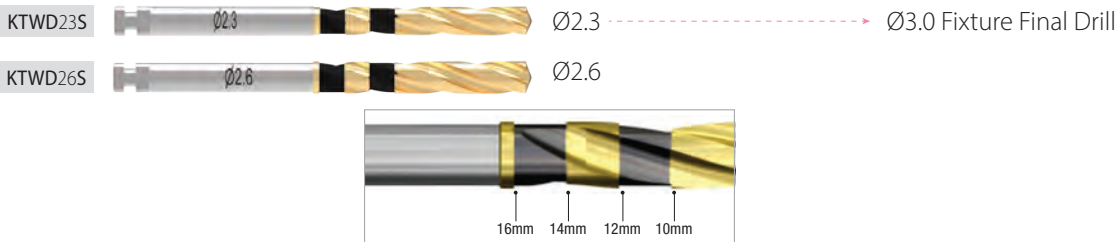
Ø1.3 Twist Drill



Ø1.8 Twist Drill



Ø2.3 / Ø2.6 Twist Drill



Driver

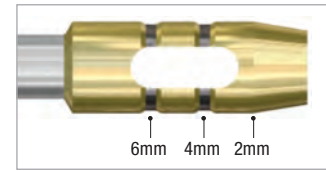
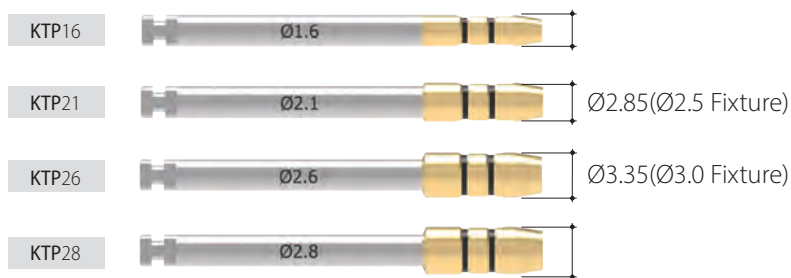
Cement Type



Ball Type



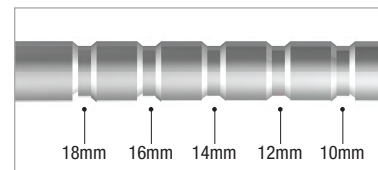
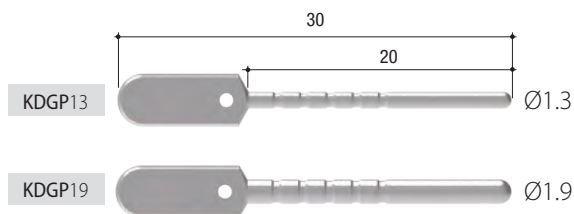
Tissue Punch *Extra product



- > Flapless로 시술 시 연조직 천공
- > Fixture의 직경보다 0.3mm 큰 직경

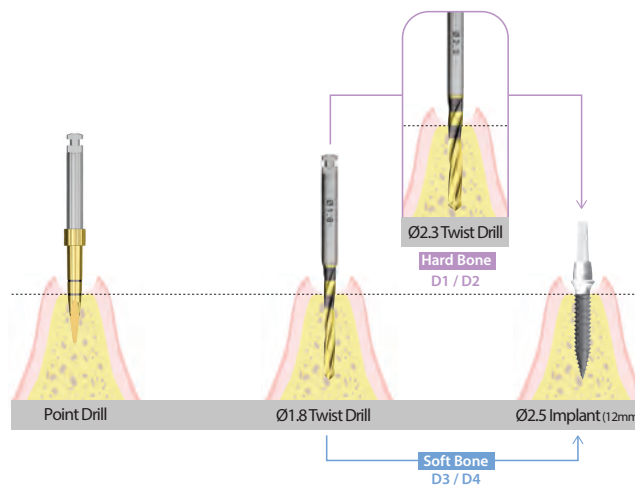
Multi Gauge *Extra product

> 드릴 깊이와 경로의 정확한 측정을 위해 사용

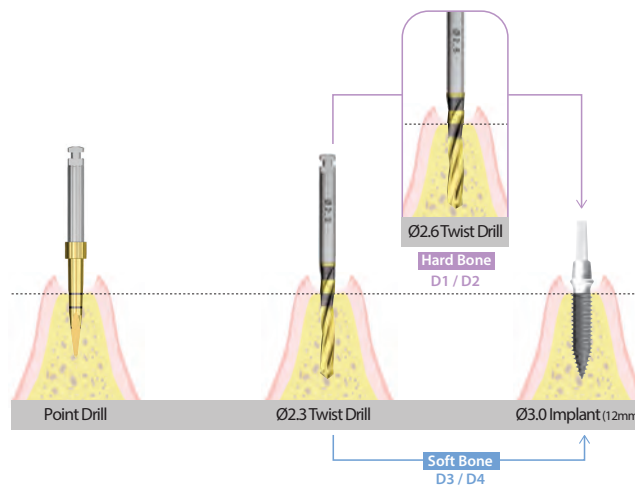


Drilling Sequence

Ø2.5

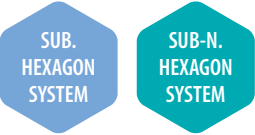


Ø3.0

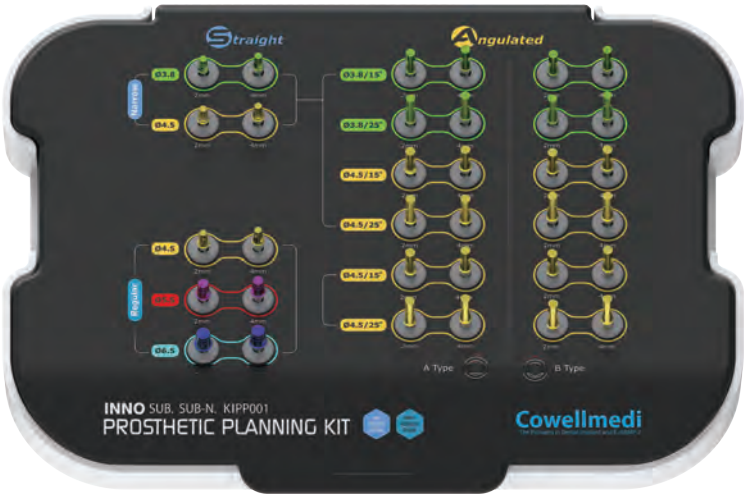


※ 골질 D4 Bone에서는 Drilling 깊이를 조절하여 Fixture가 Self-tapping하면서 식립 될 수 있도록 함

INNO PROSTHETIC PLANNING KIT [KIPP001]



- > INNO Submerged, Submerged Short(Sub.) 및 Submerged Narrow Implant System(Sub-N.)
- > 최종 Abutment의 Size 설정을 위한 Try-in kit

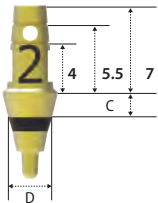


Straight

- > Straight type abutment의 최종 Abutment의 직경, 길이 및 Cuff등의 치수 측정용
Cemented | Absolute | Straight Abutment



- **Breakaway Stopper**
실크를 연결하여 구강 내 탈락을 방지
- **Cuff Marking**
2 또는 4mm로 Cuff(Gingival height) 표기
- **Cuff Height**
Cuff에 해당하는 부위로 층례 따라 2 또는 4mm의 Abutment Gauge 선택
- **Diameter**
직경에 따라 각기 다른 Coloring



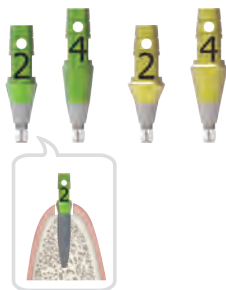
Abutment Gauge



Type	Regular		
Diameter	Ø4.5	Ø5.5	Ø6.5
Cuff / Length	7		
2	P2SCH4527	P2SCH5527	P2SCH6527
4	P2SCH4547	P2SCH5547	P2SCH6547

- > 포장단위 : 1 Abutment Gauge
- > INNO Submerged / Submerged Short(Sub.)에 사용
- > Straight type abutment(Ø4.5/5.5/6.5)의 Size 측정

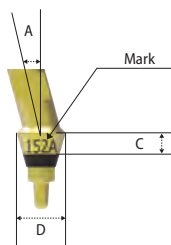
Abutment Gauge-N



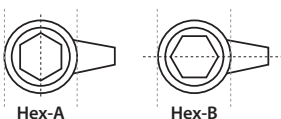
Type	Narrow	
Diameter	Ø3.8	Ø4.5
Cuff / Length	7	
2	PSCH3827N	PSCH4527N
4	PSCH3847N	PSCH4547N

- > 포장단위 : 1 Abutment Gauge-N
- > INNO Submerged Narrow(Sub-N.)에 사용
- > Straight type abutment(Ø3.8/4.5)의 Size 측정

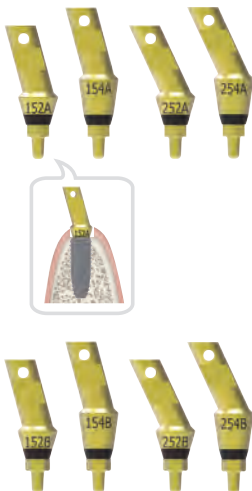
Angulated



- > Angulated Type의 직경, 커프 및 길이를 예측하여 올바른 크기의 Abutment와 Crown을 선택하는 데에 도움



Abutment Gauge



Type	Hex-A	
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)
<i>Cuff</i> / <i>Length</i>	8	
2	P2SAH45152A	P2SAH45252A
4	P2SAH45154A	P2SAH45254A

Type	Hex-B	
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)
<i>Cuff</i> / <i>Length</i>	8	
2	P2SAH45152B	P2SAH45252B
4	P2SAH45154B	P2SAH45254B

- > 포장단위 : 1 Abutment Gauge
- > INNO Submerged / Submerged Short(Sub.)에 사용
- > Angulated type abutment(15°/25°)의 Size 측정
- > Fixture 식립 방향에 따라 Hex-A 또는 Hex-B 선택

Abutment Gauge-N



Type	Hex-A			
Diameter(Angle)	Ø3.8(15°)	Ø3.8(25°)	Ø4.5(15°)	Ø4.5(25°)
<i>Cuff</i> / <i>Length</i>	8			
2	PSAH38152NA	PSAH38252NA	PSAH45152NA	PSAH45252NA
4	PSAH38154NA	PSAH38254NA	PSAH45154NA	PSAH45254NA

Type	Hex-B			
Diameter(Angle)	Ø3.8(15°)	Ø3.8(25°)	Ø4.5(15°)	Ø4.5(25°)
<i>Cuff</i> / <i>Length</i>	8			
2	PSAH38152NB	PSAH38252NB	PSAH45152NB	PSAH45252NB
4	PSAH38154NB	PSAH38254NB	PSAH45154NB	PSAH45254NB

- > 포장단위 : 1 Abutment Gauge-N
- > INNO Submerged Narrow(Sub-N.)에 사용
- > Angulated type abutment(15°/25°)의 Size 측정
- > Fixture 식립 방향에 따라 Hex-A 또는 Hex-B 선택

INNO PROSTHETIC INSTRUMENT KIT [KPA004]

SUB.
HEXAGON
SYSTEM

SUB-N.
HEXAGON
SYSTEM

INT.
OCTAGON
SYSTEM

EXT.
HEXAGON
SYSTEM

> INNO Implant System의 모든 type(Sub, Sub-N, Int, Ext.)의 보철류 등에 사용되는 All-in-one instrument kit



1.2 Hex Driver

 12mm KHD1212	 17mm KHD1215	 23mm KHD1221	 29mm KHD1227	 39mm KHD1239	 Short KMD12S	 Long KMD12L
Ratchet					Machine	

Angulated Screw Driver

 Short KRBUD15	 Long KRBUD20
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Multi Driver and Holder

 Ratchet KRMSD15L	 Machine KMMSD21L	 Multi S KMHS01	 Multi A KMH01
Multi S Driver		Holder	

Straight/Solid/Shoulder Driver

 Short KRR12S	 Long KRR19L	 Short KRW12S	 Long KRW19L	 Short KRLRD18	 Long KRLRD28
Regular		Wide			

Lock Driver

Absolute Driver

 Short KRAD4512S	 Long KRAD4519L	 Short KRAD5512S	 Long KRAD5519L	 Short KRAD6512S	 Long KRAD6519L
Ø4.5		Ø5.5		Ø6.5	

Sonator

 S Ratchet Driver SONRD19L	 I&R Driver SONIR002
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Ball

 Driver KRB19L	 I&R Driver KBIR01
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Torque Wrench

 KTW001

Surgical tool management

수술 도구 관리의 일반 원칙

ㄱ. 모든 수술 도구는 멸균 상태가 아닌 상태로 제공되므로 사용 전에 세척 및 멸균해야 합니다.

*** 주의 :** 잘못된 세척 및 멸균 공정으로 인해 공구가 부식되고 손상되며, 직접 사용할 경우 2차 감염의 원인이 될 수 있습니다.

ㄴ. 드릴 사용 권장 횟수는 골격 상태를 기준으로 20~30회이며, 블레이드가 손상되거나 변형된 경우 교체해야 합니다.

*** 주의 :** 손상된 드릴을 사용할 경우 열 nekrosis가 발생할 수 있습니다.

ㄷ. 수술 도구를 관리할 때는 감염을 막기 위해 마스크와 장갑을 착용해야 합니다.

세척 매뉴얼

(주)코웰메디는 거품이 적으면서 계면활성제를 함유하고 오염물질을 쉽게 행구어 낼 수 있는 사용자 친화성 제품인 효소 세척제 사용을 권장합니다.

효소세척제 선택 시 입증된 효능 (FDA승인, CE마크)을 가진 세척제만 사용을 해야 합니다.

전 세계에 다양한 세척제 및 소독제가 존재하므로 (주)코웰메디에서는 특정 브랜드를 권장하지 않습니다.

(주)코웰메디의 시술기구 세척매뉴얼에 사용된 세척제는 유효성이 검증된 세척제로 다음과 같습니다.

CIDEZYME (Enzymatic Detergent Solution) : J&J

모든 세척제는 제조업체가 권장하는 세제 희석 비율 및 세척온도로 준비를 해야 세척제의 최적 성능의 효과를 낼 수 있습니다.

***참고** 의료시설에서 처리하는 수동 세척은 세척장비나 인적요소에 의해 세척변수가 발생할 수 있으므로 유효성이 검증된 적절한 절차나 문서가 마련되어 있어야 합니다.

▶ 시술기구 세척방법

(주)코웰메디에서 권장하는 시술기구의 세척 지침은 유효성이 검증된 세척방법으로 다음과 같습니다.

1. 충분한 양의 에틸알코올 (70%)에 담가 10분간 초음파 세척을 실시합니다.
2. 에틸알코올을 세척 후에도 남아 있을 수 있는 혈흔 및 이물질을 제거하기 위하여 증류수나 흐르는 물에서 세척하기 어려운 부위는 Syringe 또는 Pipecleaner (부드러운 세척용 솔)를 이용하여 세척을 합니다.
3. 효소 세척제를 제조업체가 권장하는 비율로 수돗물 혹은 증류수로 희석하여 제품을 완전히 잠기도록 충분한 분량의 물에 담근 후 35~40Khz에서 15분간 초음파 세척을 실시합니다.
4. 제품 세척을 위해 사용한 세척제 및 이물질을 제거하기 위해 흐르는 증류수로 3분 동안 행구어 줍니다.
5. 건조된 천이나 온풍기로 수분을 완전히 제거 후 시술기구를 트레이에 조립한 상태 또는 단독으로 수술포로 감싸 사용자 멸균 방법으로 멸균을 실시합니다.

▶ 주의사항

1. 시술기구 세척 시 시술기구에 해당하는 부품의 분실에 주의해야 합니다.
2. 시술기구를 다룰 시에는 날카로운 부위에 다치지 않도록 주의해야 합니다.
3. 부드러운 브러시를 사용하여 오염물을 완전히 제거해야 합니다.
와이어 브러시 또는 스테인레스 재질 브러시를 사용하지 마십시오.
4. 기기의 부식이나 물때를 방지하기 위해 건조기나 여과된 압축 공기로 완전히 건조합니다.
5. 기기를 제대로 행구지 않거나 잔여물이 남아 있거나 제대로 건조하지 않으면 멸균 과정에 변색되거나 부식될 수 있으므로 전체 과정을 다시 거쳐야 합니다.

6. 혈액 얼룩이나 뼈 잔여물과 같은 이물질이 완전히 제거되지 않으면 부식이 시작될 수 있습니다. 사용 직후 세척해야 하며 세척 시 이물질을 완전히 제거해야 합니다.

▶ 초음파 세척기 사용시 주의사항

1. 오염제거가 필요한 기구를 초음파 세척기에 넣기 전에 기구 표면의 혈액이나 눈에 보이는 큰 오염물질은 미리 제거합니다.
2. 해당 장비의 세척용 침전 용액은 제조사에서 권고하는 것을 사용하며 용액의 온도는 MSDS 15°C - 30°C 까지를 기준으로 합니다.
3. 초음파 세척기에 사용하는 세제는 약알칼리성이 적절합니다.
4. 멸균이 필요한 기구는 초음파 세척기로 세척 후 가능한 빨리 멸균하고 공기 중에서 건조되지 않도록 물기를 닦아냅니다.

멸균 소독 매뉴얼

㉔코웰메디에서 권장하는 시술기구의 멸균 지침은 유효성이 검증된 고압증기멸균 방법으로 10⁻⁶ 무균성 보증 수준(S.A.L)을 보장합니다.

의료시설에서 사용하는 소독기는 제조업체의 권장사항을 준수하여야 하며 여러 기기를 멸균처리할 시 제조업체에서 권장하는 소독기 사양을 초과하지 않아야 합니다.

시술 기구 세트는 증기 침투가 용이하면서 제품 표면에 직접 접촉할 수 있도록 만들어진 트레이 및 별도의 케이스에 넣어 멸균 준비를 하여야 합니다.

***참고** 의료시설에서 처리하는 멸균은 멸균 장비나 인적요소에 의해 멸균변수가 발생할 수 있으므로 유효성이 검증된 적절한 절차나 문서가 마련되어 있어야 합니다.

▶ 시술기구 멸균방법

(주)코웰메디에서 권장하는 시술기구의 멸균 매뉴얼은 유효성이 검증된 멸균방법으로 다음과 같습니다.

멸균방법 및 조건은 습열멸균방법 (고압증기멸균)으로 시술기구를 (주)코웰메디 시술기구 트레이에 넣은 후 수술보에 감싸 121°C에서 40분, 건조시간 30분을 권장합니다.

▶ 주의사항

1. 제품을 사용하기 전 제품에 이물질 및 녹 등 이상이 없는지 확인이 필요합니다.
2. 본 제품은 비멸균 상태로 공급되므로 사용 전 반드시 멸균소독을 실시 해야 합니다.
3. 본 제품은 사용 후 즉시 제조사의 세척방법에 따라 세척을 권장하며 세척 후에는 건조하고 깨끗한 장소에 보관하며 사용 전 반드시 멸균 소독을 실시 하여야 합니다.

보관 관리

- ㄱ. 사용후에는 반드시 세척하여 실온의 건조한 곳에서 보관합니다.
- ㄴ. 보관된 기구는 사용전 세척하고, 멸균하여 사용합니다.