

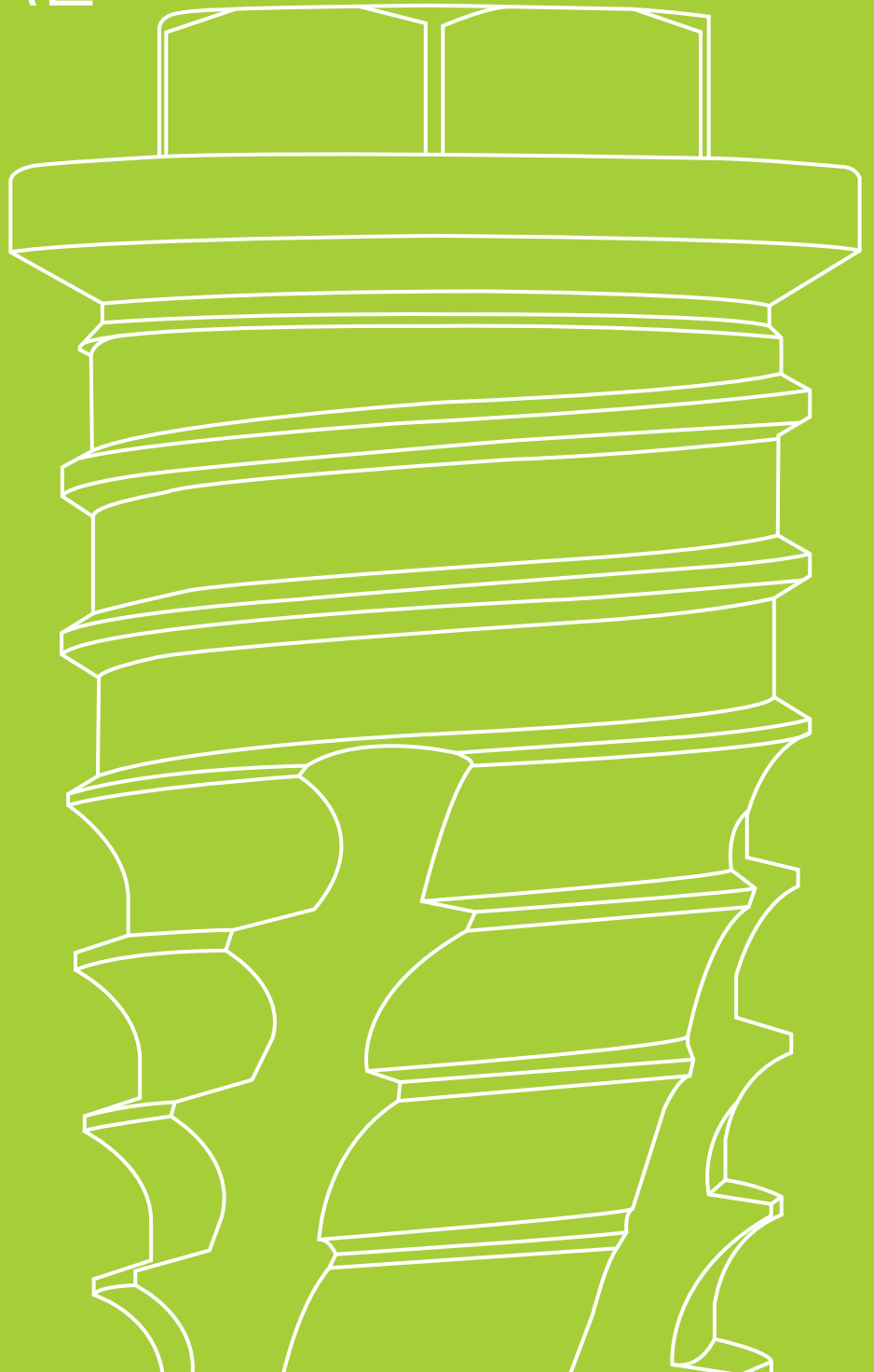
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INNO External Implant (Ext.)

EXTERNAL

EXT.
HEXAGON
SYSTEM



CWM

Cowellmedi Co., Ltd.

The pioneers in Dental Implant & E.rhBMP-2

INNO EXTERNAL IMPLANT (Ext.)

System Flow

자기는 읽었는데 답없을때보면 그럴때인가부네

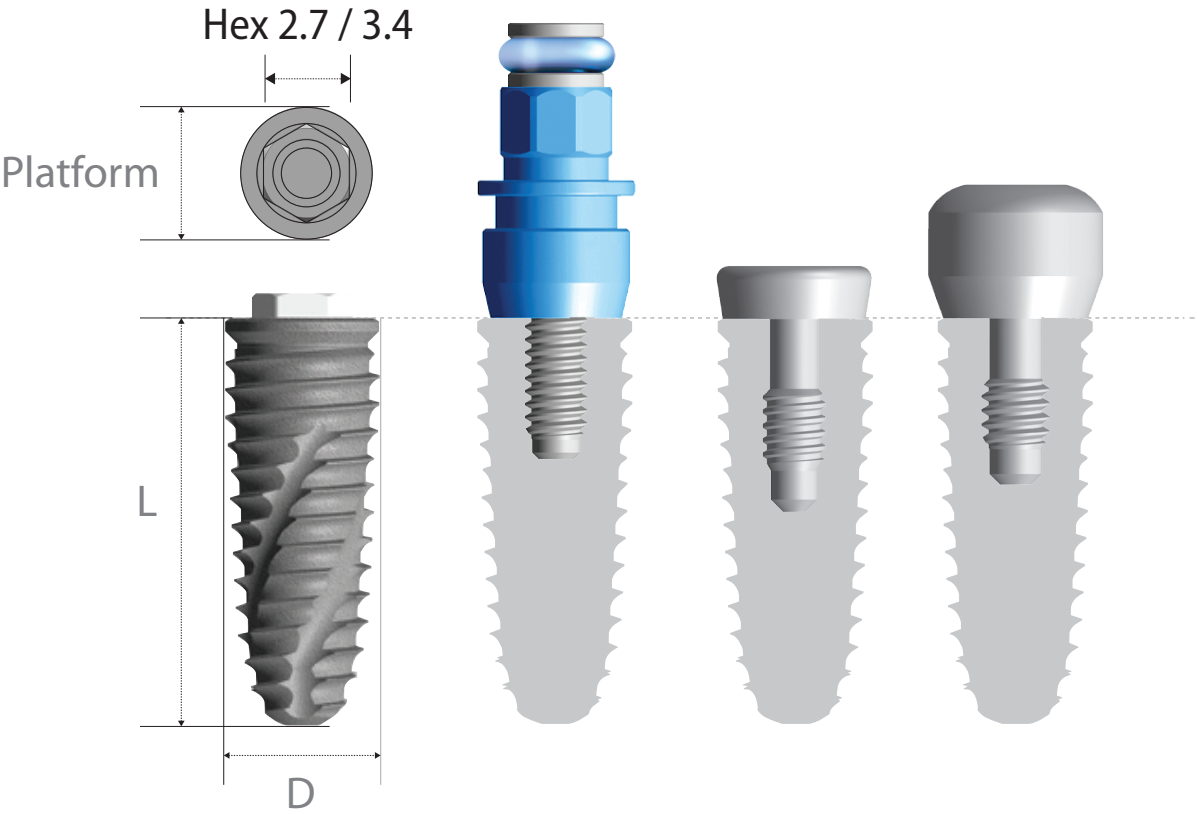
Fixture		Abutment		Impression
Hex : 2.7 / 3.4  Platform Ø4.1 / 5.1  Length 7 / 8 / 10 / 12 / 14mm  Diameter Ø3.5 / 4.0 / 4.5 / 5.0 / 6.0 	Prosthetic Procedure I	Cemented Angulated Temporary Meta G UCLA Plastic UCLA	Fixture Level Impression	Replica Pick-up Squared Impression Coping Transfer Post
	Prosthetic Procedure II	Shoulder	Abutment Level Impression	Shoulder Abutment Cap Shoulder Impression Cap Shoulder Positioning Cylinder Shoulder Lab Analog
	Prosthetic Procedure III	Ball		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).



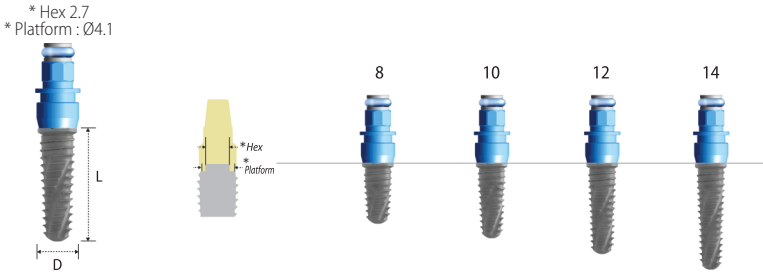
INNO Fixture Code

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

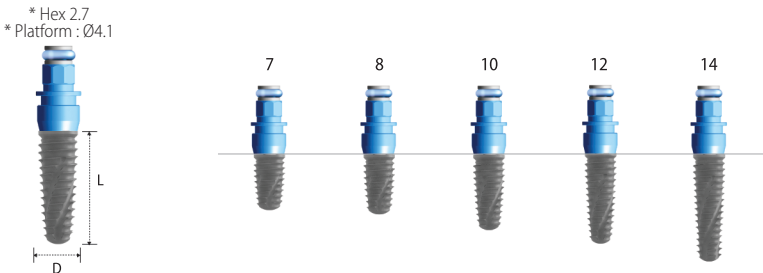
*Ex.)
SLA Pre-Mount **ET4010S**

Pre-Mount > Packing unit : 1 Fixture + 1 Mount + 1 Mount Screw.

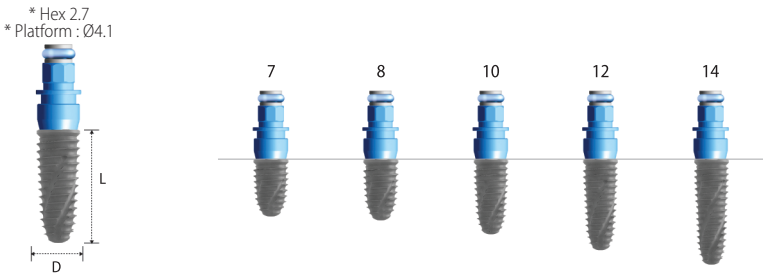
* Diameter	Ø3.5
Length	
7	-
8	ET3508S
10	ET3510S
12	ET3512S
14	ET3514S



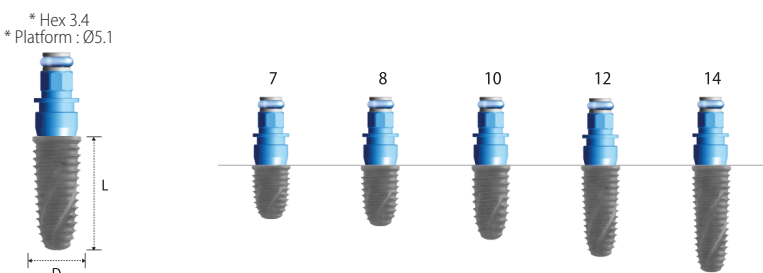
* Diameter	Ø4.0
Length	
7	ET4007S
8	ET4008S
10	ET4010S
12	ET4012S
14	ET4014S



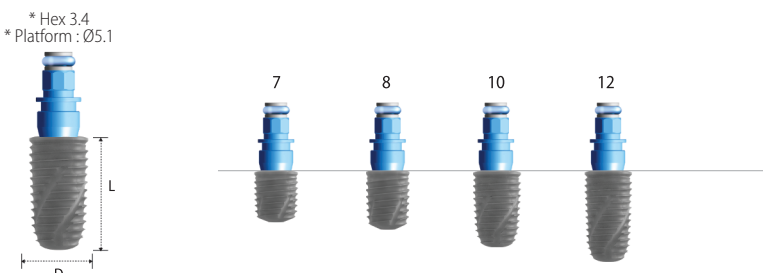
* Diameter	Ø4.5
Length	
7	ET4507S
8	ET4508S
10	ET4510S
12	ET4512S
14	ET4514S



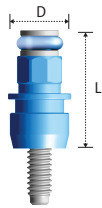
* Diameter	Ø5.0
Length	
7	ET5007S
8	ET5008S
10	ET5010S
12	ET5012S
14	ET5014S



* Diameter	Ø6.0
Length	
7	ET6007S
8	ET6008S
10	ET6010S
12	ET6012S
14	-



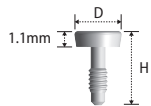
Fixture Mount



Hex	Hex2.7	Hex3.4
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
DiameterLength	Ø4.9	Ø5.5
7.2	MER001	MEW002

- > Packing unit : 1 Mount + 1 Mount Screw.
- > Tightened with the 1.2 Hex Driver.
- > Tightening torque force : 5~10 N.cm.

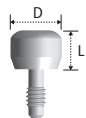
Cover Screw



Hex	Hex2.7	Hex3.4
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
DiameterHeight	Ø4.3	Ø5.4
5.8	VNR001	VNW001

- > Packing unit : 1 Cover Screw.
- > To seal the conical interface of fixture.
- > Tightened with the 1.2 Hex Driver.
- > Tightening torque force : 5~10 N.cm.

Healing Abutment

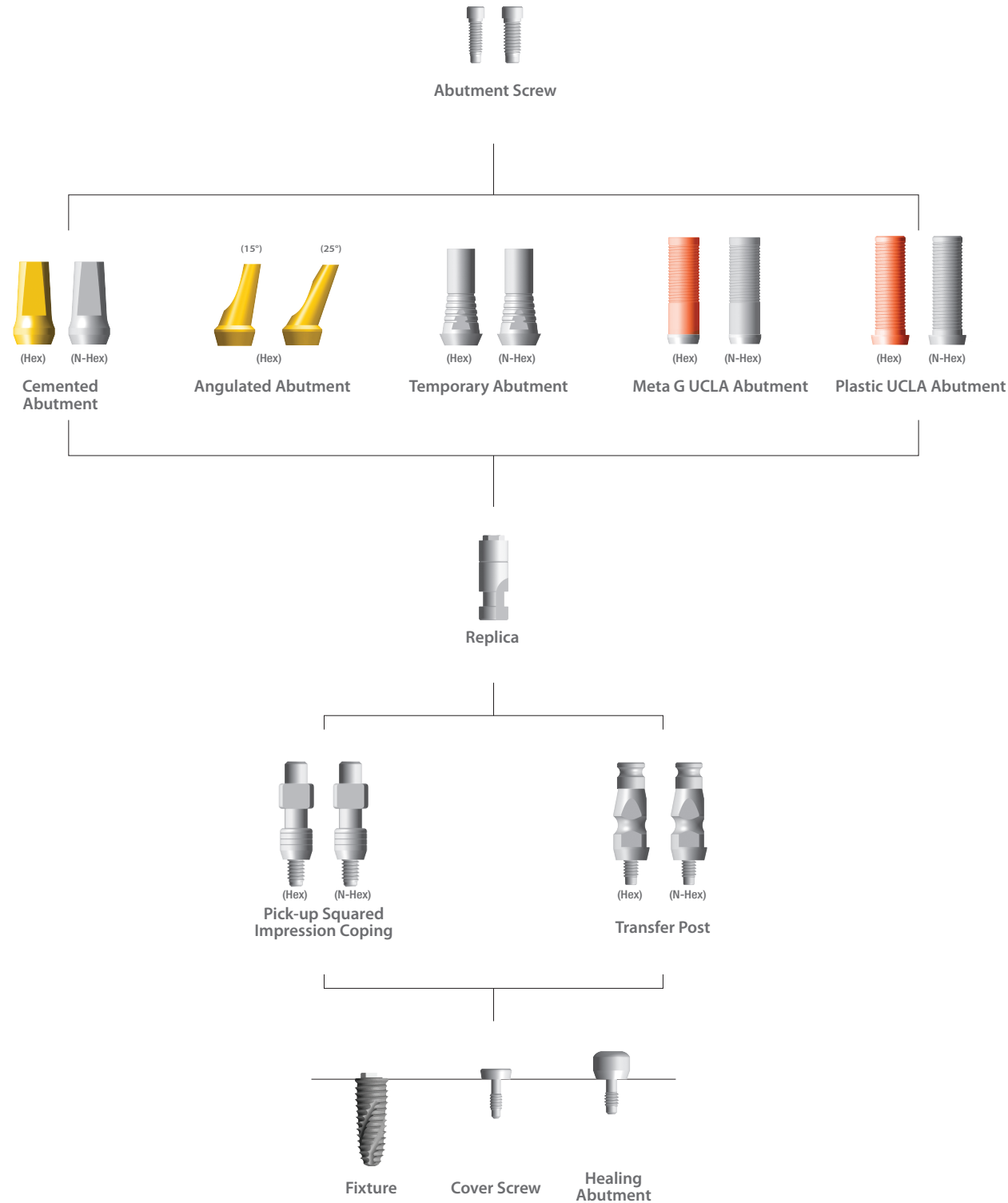


Hex	Hex2.7	Hex3.4
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
DiameterLength	Ø5.0	Ø6.0
2.8	HNR502	HNW602
3.8	HNR503	HNW603
4.8	HNR504	HNW604
5.8	HNR505	HNW605
6.8	HNR506	HNW606
7.8	HNR507	HNW607

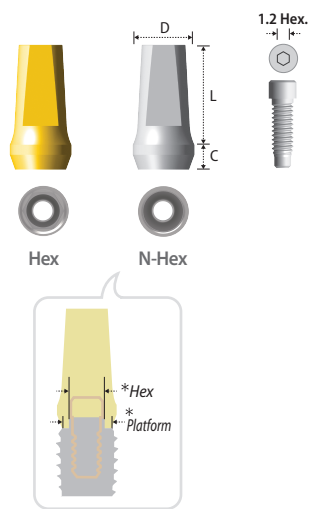
- > Packing unit : 1 Healing Abutment.
- > For remodeling gingival contour during soft tissue healing.
- > Select according to gingival height and abutment type.
- > Tightened with the 1.2 Hex Driver.
- > Tightening torque force : 5~10 N.cm.

Prosthetic Procedure I

Component Selection Guide for Cemented & UCLA Abutment



Cemented Abutment

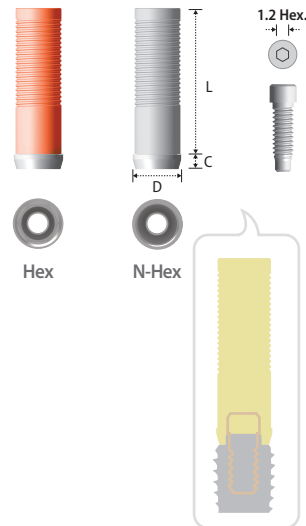


*Type[Hex]	Hex[2.7]		Hex[3.4]	
*Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]		Ø5.1 [Ø5.0 / Ø6.0]	
Diameter	Ø5.0		Ø6.0	
Length Cuff	6	8	6	8
1	CHR516	CHR518	CHW616	CHW618
2	CHR526	CHR528	CHW626	CHW628
3	CHR536	CHR538	CHW636	CHW638
4	CHR546	CHR548	CHW646	CHW648

Type[Hex]	N-Hex			
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]		Ø5.1 [Ø5.0 / Ø6.0]	
Diameter	Ø5.0		Ø6.0	
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

- > Packing unit : 1 Cemented Abutment + 1 Abutment Screw.
- > For Cement Retained and Screw-Cement Retained Prosthesis.
- > Cutting surface for anti-rotation of prosthesis.
- > Connected with the Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm
- > Fixture level impression.

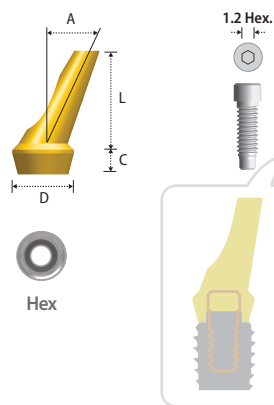
Meta G UCLA Abutment



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

- > Packing unit : 1 Meta G UCLA Abutment + 1 Abutment Screw.
- > For Screw-Cement or Screw Retained Prosthesis.
- > Modification to angulated abutment, customized abutment and telescopic abutment.
- > CCM alloy core for precise connection.
- > Cast with non-precious metal or gold alloy.
- > Connected with the Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Fixture level impression.

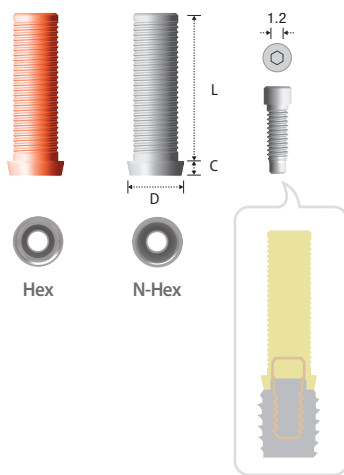
Angulated Abutment



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

- > Packing unit : 1 Angulated Abutment + 1 Abutment Screw.
- > For Screw-Cement or Cement Retained Prosthesis.
- > Solution for anterior esthetic zone.
- > Connected with the Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Fixture level impression.

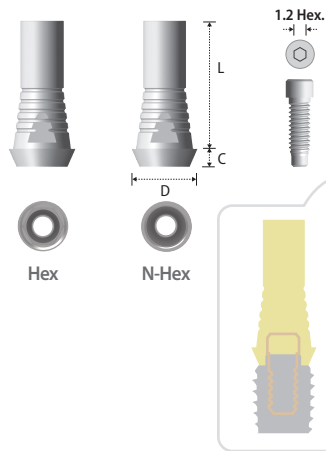
Plastic UCLA Abutment



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

- > Packing unit : 1 Plastic UCLA Abutment + 1 Abutment Screw.
- > Same purpose of use as Meta G UCLA Abutment but low accuracy of connection.
- > PMMA material.
- > Connected with the Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : Finger light force during wax Pattern fabrication, 30 N.cm after casting.

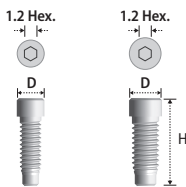
Temporary Abutment



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

- > Packing unit : 1 Temporary Abutment + 1 Abutment Screw.
- > For Screw-Cement Retained Prosthesis.
- > For provisional restoration.
- > Connected with the Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.

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

- > Packing unit : 1 Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.

Replica



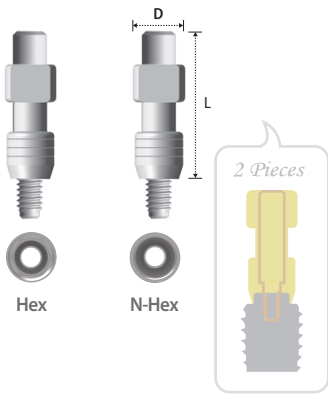
Type[Hex]	Hex[2.7]	Hex[3.4]
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter Height	Ø4.1	Ø5.1
12	LHR001	LHW001

- > Packing unit : 1 Replica.
- > Mimicking of conical interface of fixture.
- > Analog of fixture for working cast.

Prosthetic Procedure II

Component Selection Guide for Shoulder Abutment

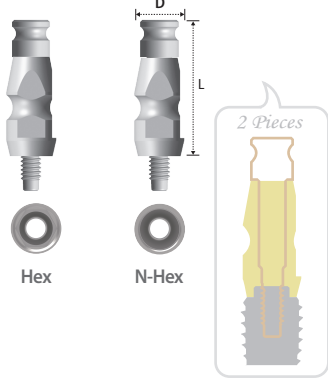
Pick-up Squared Impression Coping



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	Ø5.8	Ø5	Ø5.8
17	IHR500	IHW600	INR500	INW600

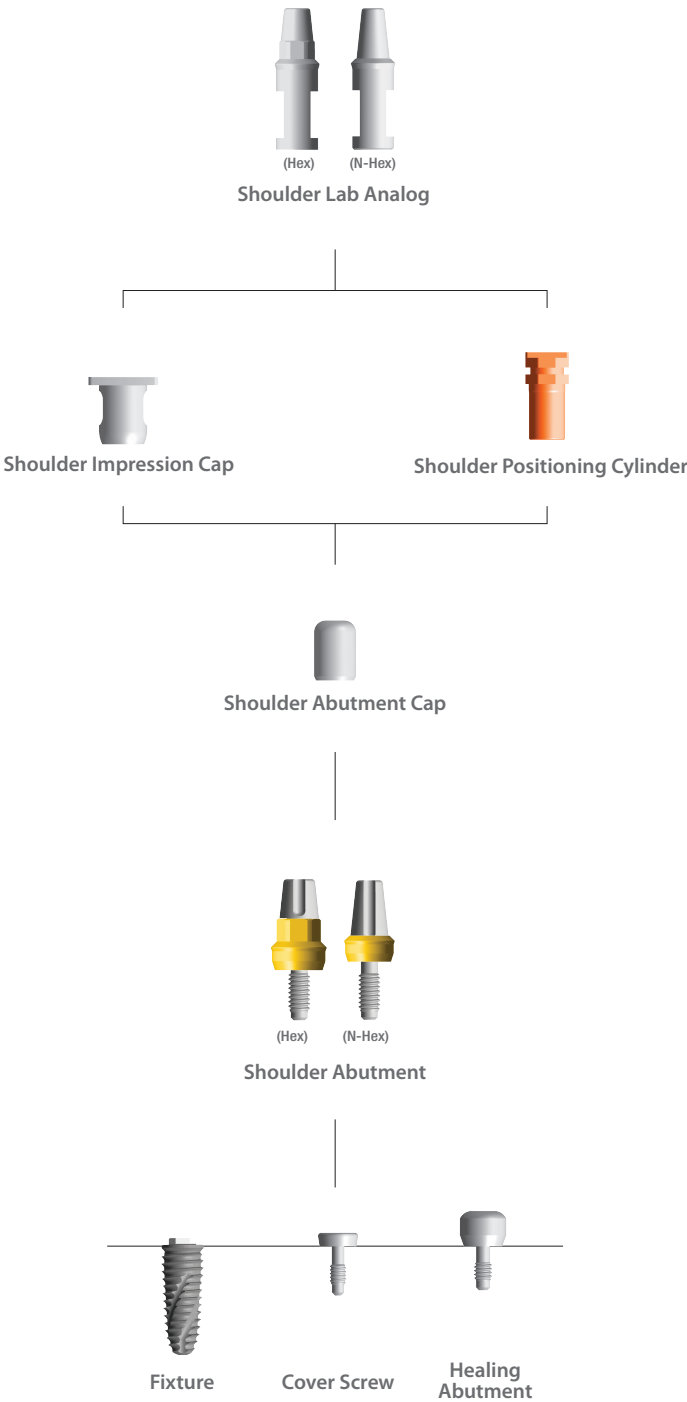
- > Packing unit : 1 Pick-up Squared Impression Coping + 1 Guide Pin.
- > Connected with the Guide Pin (Regular : UHR115 / Wide : UHW115).
- > For Open Tray Impression.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15 N.cm.

Transfer Post

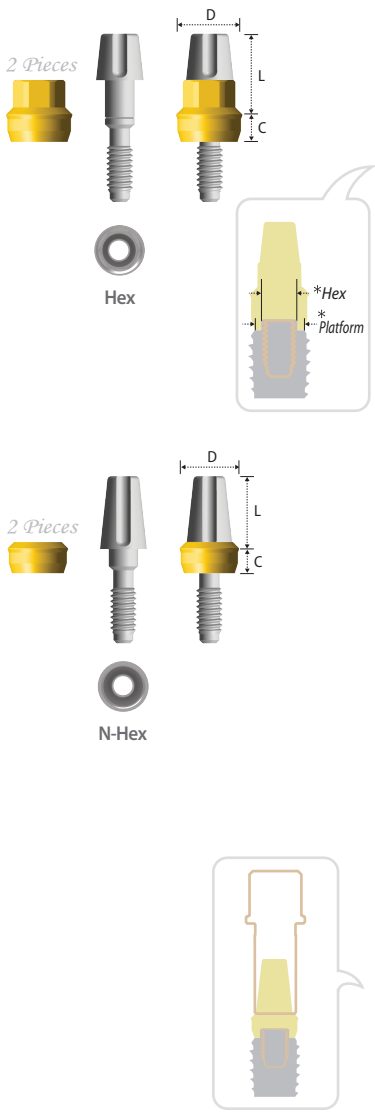


Type[Hex]	Hex[2.7]	Hex[3.4]	N-Hex	N-Hex
Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]	Ø5.1 [Ø5.0 / Ø6.0]
Diameter Length	Ø4.8	Ø5.8	Ø4.8	Ø5.8
13.1	IHR510	IHW610	INR510	INW610

- > Packing unit : 1 Transfer Post + 1 Guide Pin.
- > Connected with the Guide Pin (Regular : IHR510S, IHR610S / Wide : IHW610S).
- > For Closed Tray Impression.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15 N.cm.



Shoulder Abutment



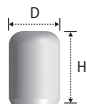
Type[Hex]	Hex[2.7]			Hex[3.4]		
* Platform [Fixture Dia.]	Ø4.1 [Ø3.5 / Ø4.0 / Ø4.5]			Ø5.1 [Ø5.0 / Ø6.0]		
Diameter	Ø4.8			Ø5.9		
Length Cuff	4	5.5	7	4	5.5	7
1	SAC414	SAC415	SAC417	SAC514	SAC515	SAC517
2	SAC424	SAC425	SAC427	SAC524	SAC525	SAC527
3	SAC434	SAC435	SAC437	SAC534	SAC535	SAC537
4	SAC444	SAC445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

- > Packing unit : 1 Shoulder Abutment.
- > For Cement Retained Prosthesis.
- > Dual anti-rotation grip for prevention of screw loosening.
- > Integrated with screw and abutment.
- > Tightened with the Shoulder Driver.
- > Tightening torque force : 30 N.cm.
- > Abutment level impression : Impression cap in platform Ø4.1 fixture and direct impression in platform Ø5.8 fixture.



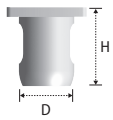
Shoulder Abutment Cap



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

- > Packing unit : 1 Shoulder Abutment Cap.
- > Protection from cheek and tongue for gingival healing period.
- > Alternative usage for sub-structure of temporary prosthesis.

Shoulder Impression Cap



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

- > Packing unit : 1 Shoulder Impression Cap.
- > Connected with the Shoulder Positioning Cylinder.
- > Confirm locking with abutment by rotation of clockwise and anti-clockwise direction.

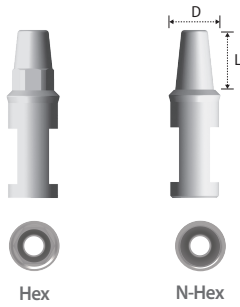
Shoulder Positioning Cylinder



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

- > Packing unit : 1 Shoulder Positioning Cylinder.
- > Inner cutting surface for anti-rotation on abutment.
- > Insert into the Impression Cap.

Shoulder Lab Analog

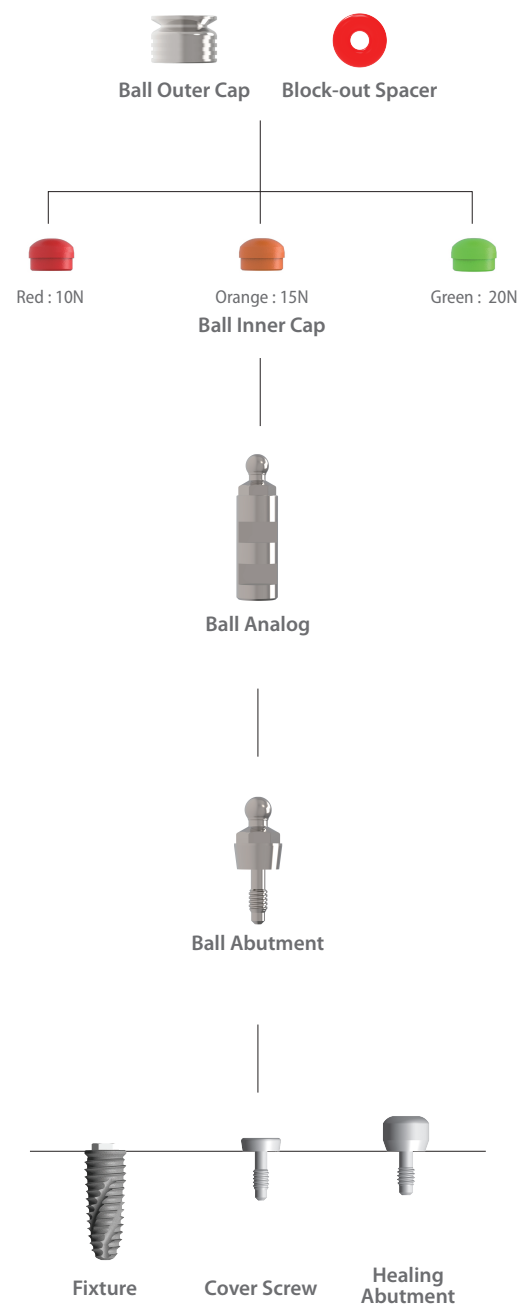


Type[Hex]	Hex[2.7&3.4]		N-Hex	
Shoulder Abutment Diameter	Ø4.8	Ø5.9	Ø4.8	Ø5.9
Diameter	Ø4.8	Ø5.9	Ø4.8	Ø5.9
4	SLCR040	SLCW040	SLBR040	SLBW040
5.5	SLCR055	SLCW055	SLBR055	SLBW055
7	SLCR070	SLCW070	SLBR070	SLBW070

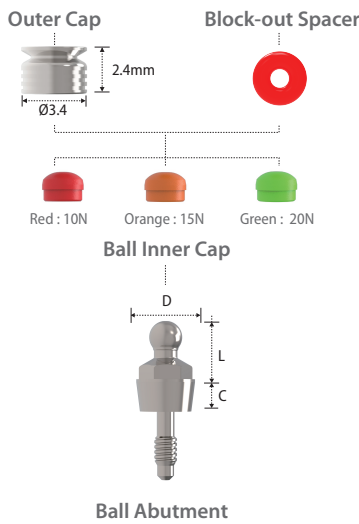
- > Packing unit : 1 Shoulder Lab Analog.
- > Replacement of abutment shape in working cast.
- > Choose by abutment length.

Prosthetic Procedure III

Component Selection Guide for Ball Abutment



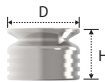
Ball Abutment



Diameter	Ø5.0	Ø6.0
Length Cuff	4	4
1	EBAT411R	EBAT511R
2	EBAT412R	EBAT512R
3	EBAT413R	EBAT513R
4	EBAT414R	EBAT514R

- > Packing unit : 1 Ball Abutment + 3 Inner Caps (1 per each color) + 1 Block-out Spacer + 1 Outer Cap.
- > For Implant Supported Over-denture Prosthesis.
- > Tightened with the Ball Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Direct impression.

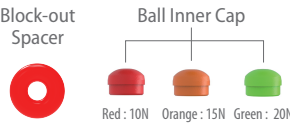
Ball Outer Cap



Diameter Height	Ø3.4 2.4
	BATC003C

- > Packing unit : 2 Outer Caps.

Ball Inner Cap



	BATC003I
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- > Packing unit : 2 Block-out Spacers + 6 Inner Caps (2 per each color).
- > Retention force : Red 10N, Orange 15N & Green 20N.

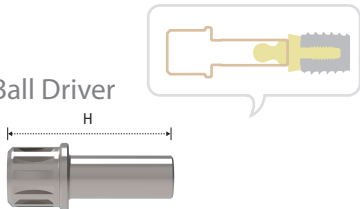
Ball Analog



Diameter Length	Ø4.0 4
	SBAL400

- > Packing unit : 4 Lab Analogs.
- > Replacement of abutment shape in working cast.

Ball Driver



Type Height	Ratchet 19
	KRB19L

- > Packing unit : 1 Ball Driver.
- > Used with the Torque Wrench to tighten and untighten the Ball Abutment.

*Extra Product

I&R Driver

Height	100
	KBIR01



- > Packing unit : 1 I&R Driver.
- > Used to insert and remove the Inner Caps into and out of the Outer Cap.

INNO External Implant (Ext.)

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