

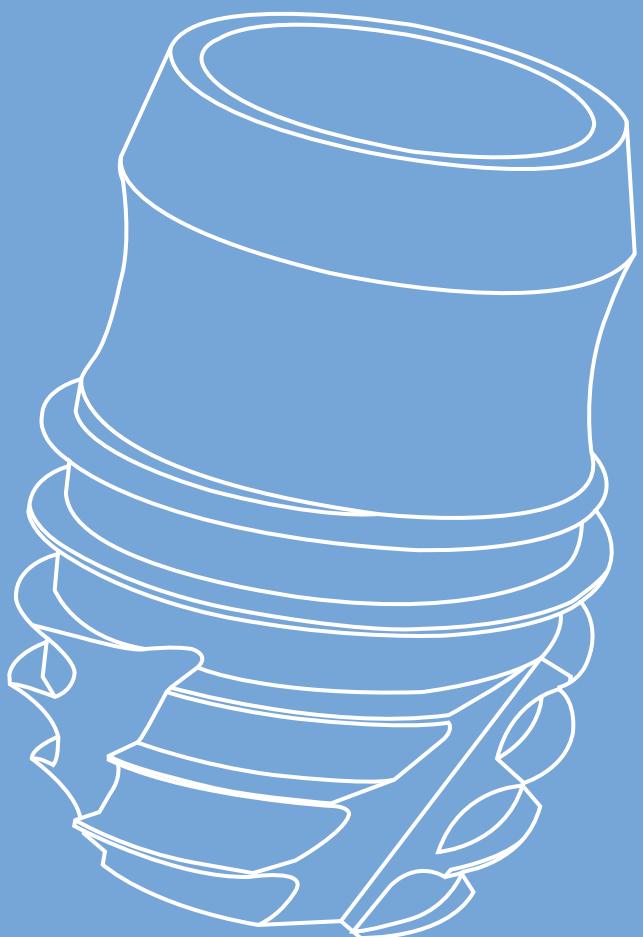
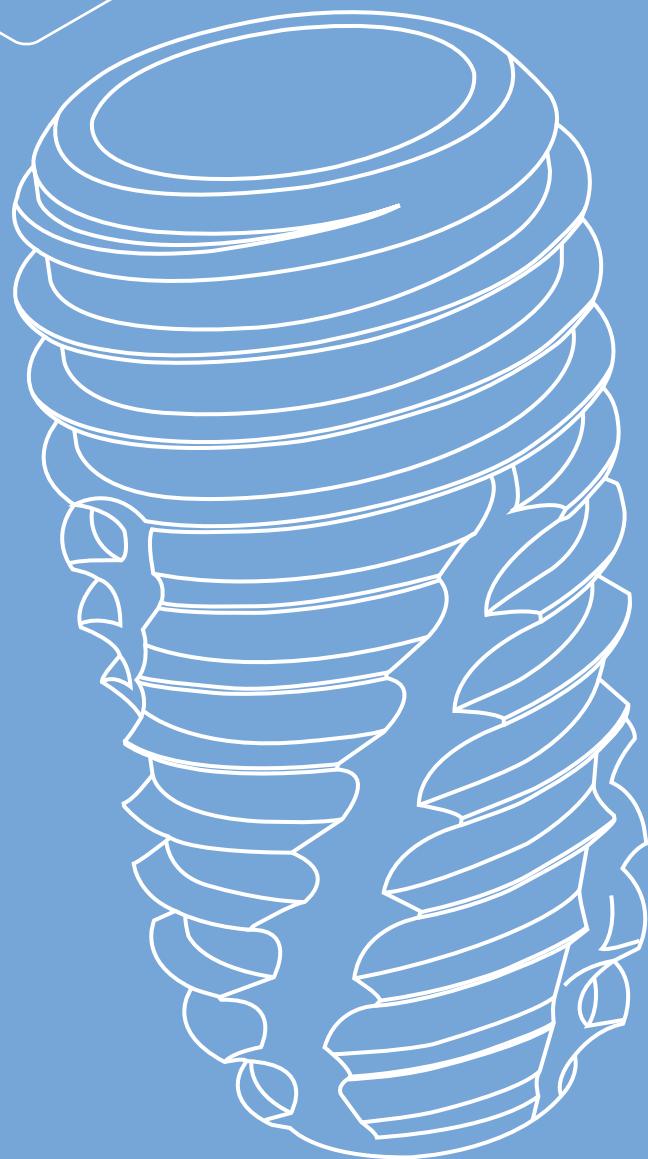
www.cowellmedi.com



INNO Submerged Implant (Sub. & Sub.-S.)

SUBMERGED

SUB.
HEXAGON
SYSTEM



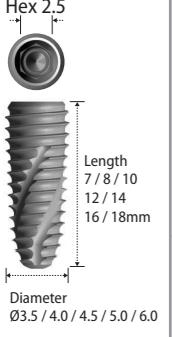
CWM

Cowellmedi Co., Ltd.

The pioneers in Dental Implant & E.rhBMP-2

INNO SUBMERGED IMPLANT (Sub.)

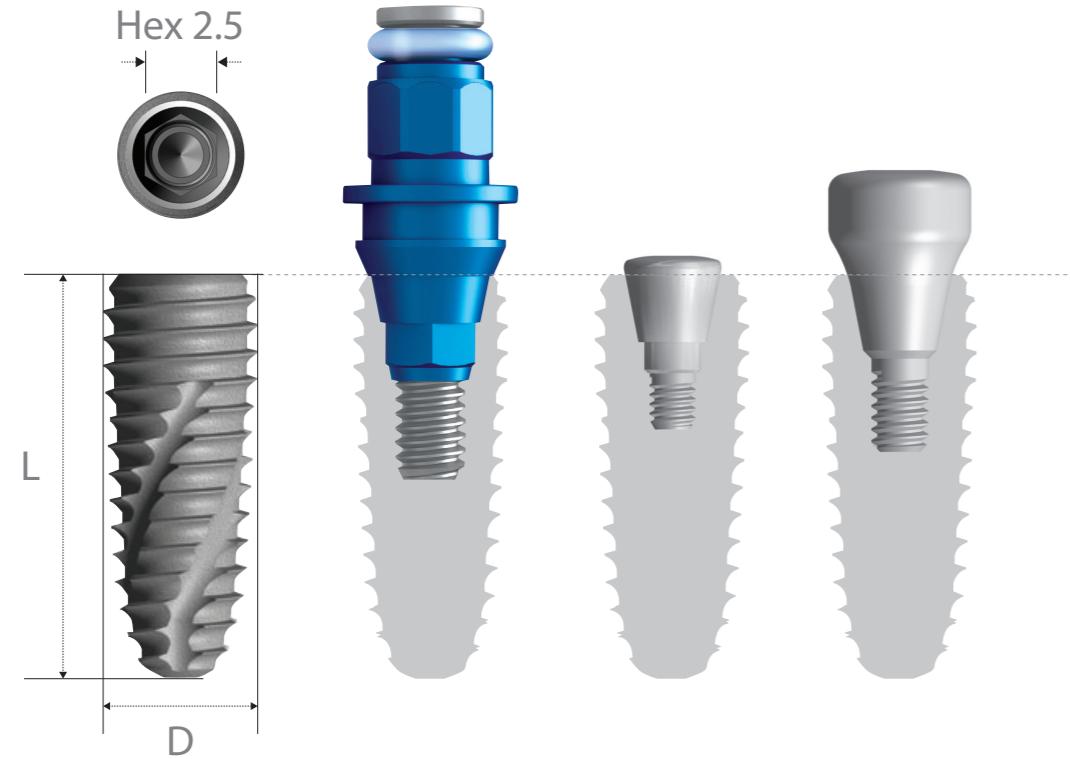
System Flow

Fixture	Abutment							Impression				
 	Prosthetic Procedure I	       							Fixture Level Impression	   		
	Prosthetic Procedure II	 	Abutment Level Impression	       								
	Prosthetic Procedure III			    								
	Prosthetic Procedure IV			   								
	Prosthetic Procedure V											
	Prosthetic Procedure VI	 		 								
	Prosthetic Procedure VII											

INNO Submerged Implant



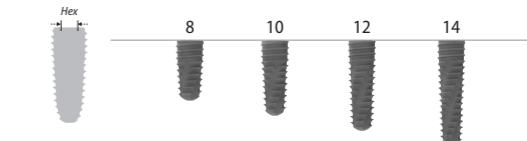
Submerged Fixture
Surface Treatment : **SLA-SH®**
➤ Interchangeable with hexagonal morse tapered fixture
➤ Internal hex connection (Taper 11°/ Hex 2.5)



No-Mount ➤ Packing unit : 1 Fixture + 1 Cover Screw.

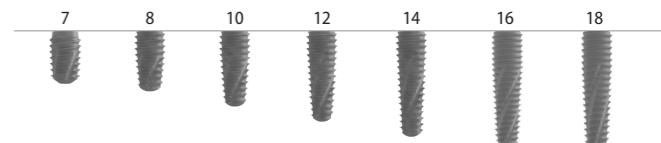
Diameter **Ø3.5**
Length

7	-
8	ST3508SM
10	ST3510SM
12	ST3512SM
14	ST3514SM



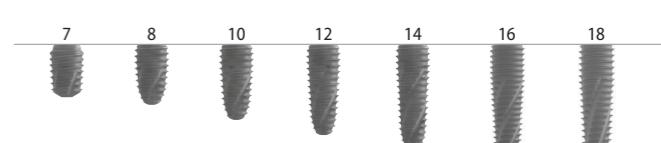
Diameter **Ø4.0**
Length

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



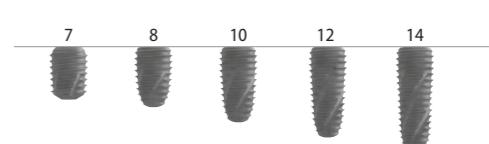
Diameter **Ø4.5**
Length

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



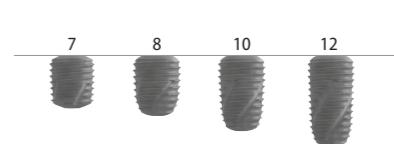
Diameter **Ø5.0**
Length

7	ST5007SM
8	ST5008SM
10	ST5010SM
12	ST5012SM
14	ST5014SM



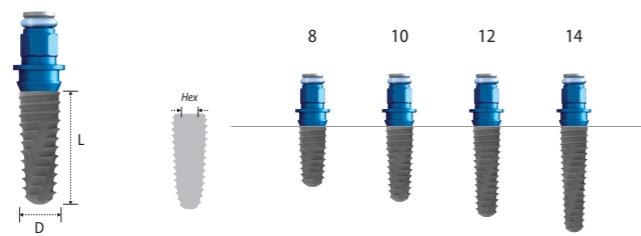
Diameter **Ø6.0**
Length

7	ST6007SM
8	ST6008SM
10	ST6010SM
12	ST6012SM
14	-

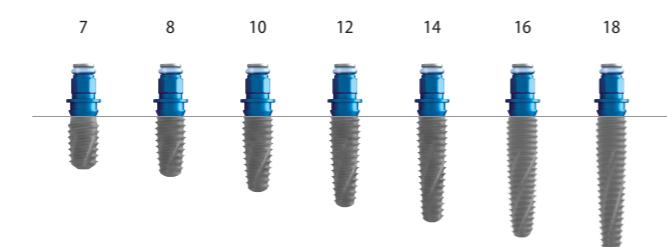


Pre-Mount > Packing unit : 1 Fixture + 1 Cover Screw + 1 Mount.

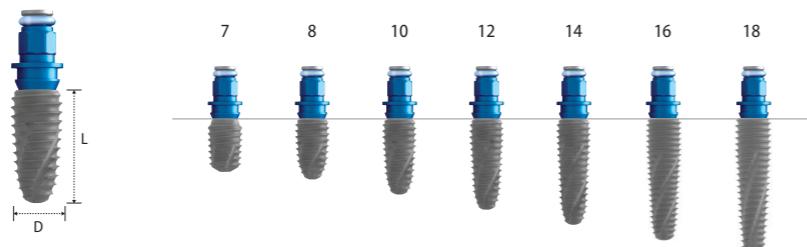
Diameter Length		$\varnothing 3.5$
7	-	
8	ST3508S	
10	ST3510S	
12	ST3512S	
14	ST3514S	



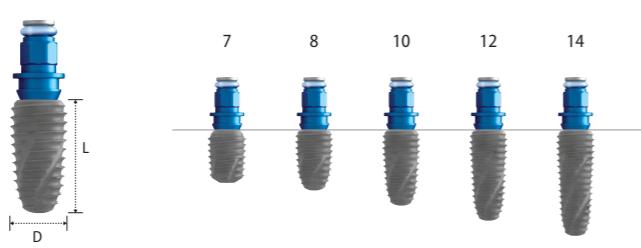
Diameter Length		$\varnothing 4.0$
7	ST4007S	
8	ST4008S	
10	ST4010S	
12	ST4012S	
14	ST4014S	
16	ST4016S	
18	ST4018S	



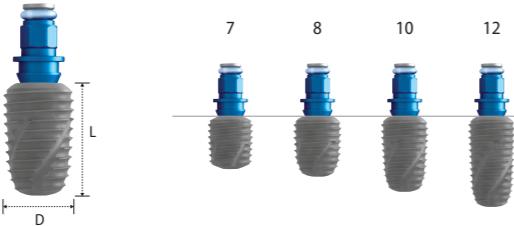
Diameter Length		$\varnothing 4.5$
7	ST4507S	
8	ST4508S	
10	ST4510S	
12	ST4512S	
14	ST4514S	
16	ST4516S	
18	ST4518S	



Diameter Length		$\varnothing 5.0$
7	ST5007S	
8	ST5008S	
10	ST5010S	
12	ST5012S	
14	ST5014S	



Diameter Length		$\varnothing 6.0$
7	ST6007S	
8	ST6008S	
10	ST6010S	
12	ST6012S	
14	-	



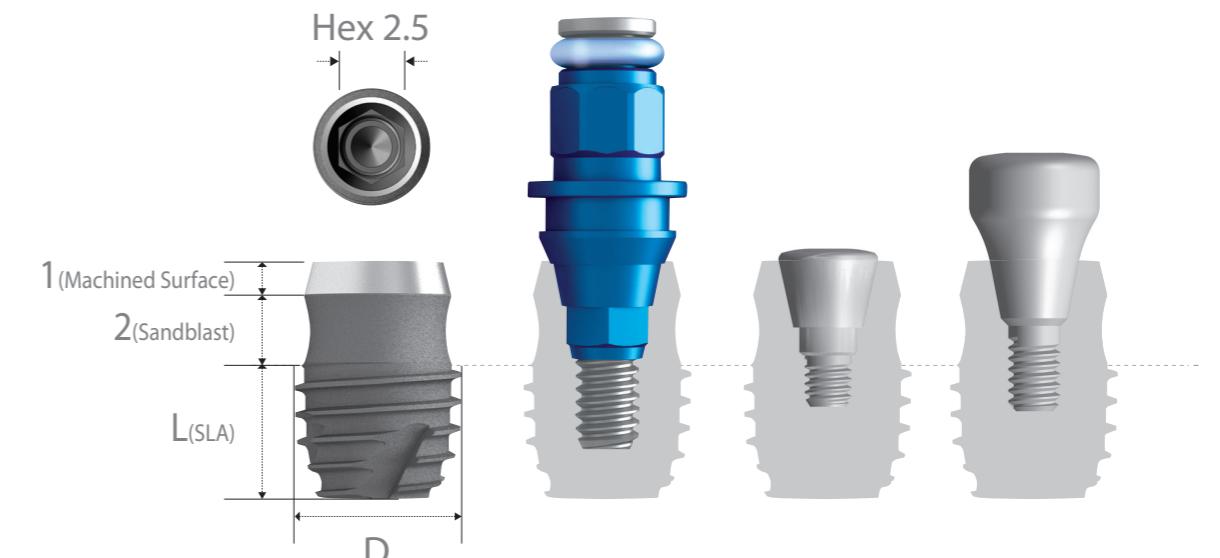
INNO Submerged Short Implant



Submerged Short Fixture

Surface Treatment : **SLA-SH®**

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



Pre-Mount > Packing Unit : 1 Fixture + 1 Cover Screw + 1 Mount.

Diameter Length		$\varnothing 4.0$
4	2ST4004S	

Diameter Length		$\varnothing 5.5$
4	2ST5504S	

Diameter Length		$\varnothing 6.0$
4	2ST6004S	

Diameter Length		$\varnothing 4.5$
4	2ST4504S	

Diameter Length		$\varnothing 5.0$
4	2ST5004S	

Fixture Mount



Length	5.4
2SMHR001	

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

Cover Screw

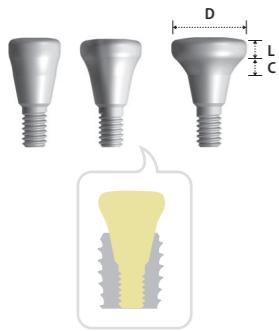


Diameter	Ø3.35	Ø3.75	Ø4.15
3	2SCS000		
4.2		* 2SCS001	
5.2			* 2SCS002

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

*Extra Product

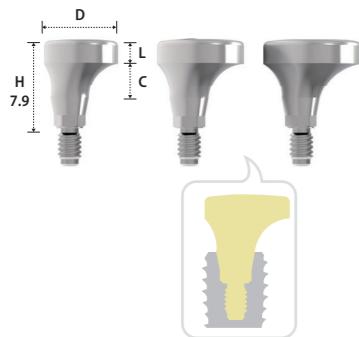
Healing Abutment



Diameter	Ø4.5	Ø5.5	Ø6.5
<u>Length</u>	1	2	1
<u>Cuff</u>	2HS4511	2HS5511	2HS6511
1			
2		2HS4522	2HS5522
3		2HS4532	2HS5532
4		2HS4542	2HS5542
5		2HS4552	2HS5552
7		2HS4572	2HS5572
<u>Length</u>	2	2	2
<u>Cuff</u>	2HS7532	2HS8532	2HS9532
3			
Diameter	Ø7.5	Ø8.5	Ø9.5
<u>Length</u>	2	2	2
<u>Cuff</u>	2HS7532	2HS8532	2HS9532

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

Volume-up™ Healing Abutment



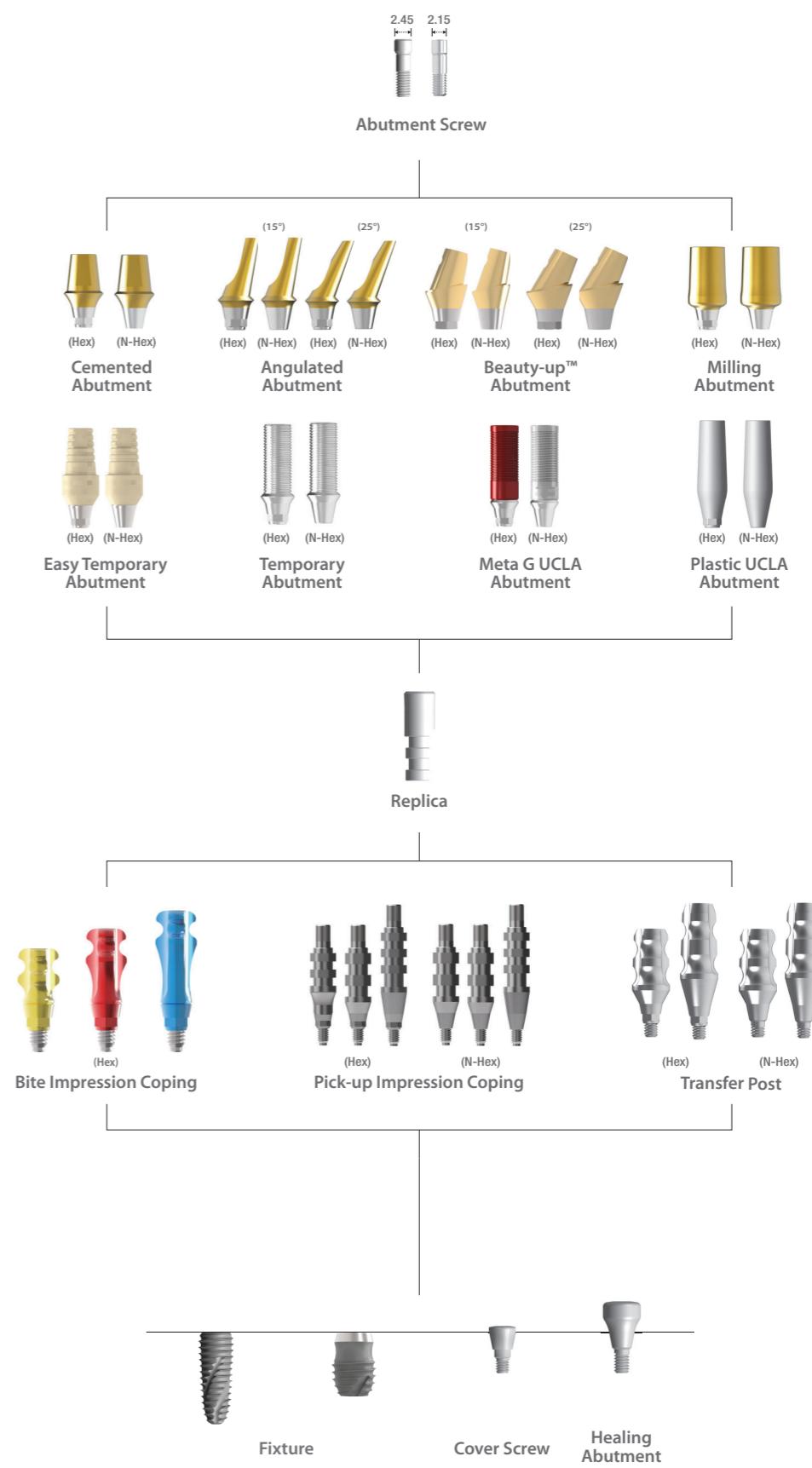
Diameter	Ø6.5	Ø7.5	Ø8.5
<u>Length</u>	2	2	2
<u>Cuff</u>	VUHN6532	VUHN7532	VUHN8532

- > Packing unit : 1 Volume-up™ Healing Abutment (Inbuilt Abutment Screw).
- > Used for an implant procedure to form the gingival tissue and alveolar bone in the form of natural teeth and gums by prevention or minimizing the food penetration.
- > Extremely effective when used with the COWELL® BMP.
- > Recommended to use with the Volume-up™ Guide System.
- > Select according to gingival height and abutment type.
- > Tightened with the 1.2 Hex Driver.
- > Tightening torque force : 25~35 N.cm.

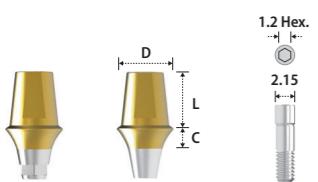


Prosthetic Procedure I

Components Selection Guide for Cemented and UCLA Abutment



Cemented Abutment

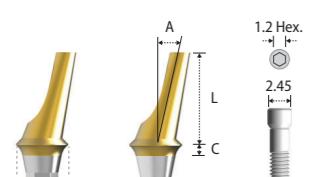


Type	Hex								
Diameter	Ø4.5			Ø5.5			Ø6.5		
Length Cuff	4	5.5	7	4	5.5	7	4	5.5	7
1	2SCH4514	2SCH4515	2SCH4517	2SCH5514	2SCH5515	2SCH5517	2SCH6514	2SCH6515	2SCH6517
2	2SCH4524	2SCH4525	2SCH4527	2SCH5524	2SCH5525	2SCH5527	2SCH6524	2SCH6525	2SCH6527
3	2SCH4534	2SCH4535	2SCH4537	2SCH5534	2SCH5535	2SCH5537	2SCH6534	2SCH6535	2SCH6537
4	2SCH4544	2SCH4545	2SCH4547	2SCH5544	2SCH5545	2SCH5547	2SCH6544	2SCH6545	2SCH6547
5	2SCH4554	2SCH4555	2SCH4557	2SCH5554	2SCH5555	2SCH5557	2SCH6554	2SCH6555	2SCH6557

Type	N-Hex								
Diameter	Ø4.5			Ø5.5			Ø6.5		
Length Cuff	4	5.5	7	4	5.5	7	4	5.5	7
1	2SCN4514	2SCN4515	2SCN4517	2SCN5514	2SCN5515	2SCN5517	2SCN6514	2SCN6515	2SCN6517
2	2SCN4524	2SCN4525	2SCN4527	2SCN5524	2SCN5525	2SCN5527	2SCN6524	2SCN6525	2SCN6527
3	2SCN4534	2SCN4535	2SCN4537	2SCN5534	2SCN5535	2SCN5537	2SCN6534	2SCN6535	2SCN6537
4	2SCN4544	2SCN4545	2SCN4547	2SCN5544	2SCN5545	2SCN5547	2SCN6544	2SCN6545	2SCN6547
5	2SCN4554	2SCN4555	2SCN4557	2SCN5554	2SCN5555	2SCN5557	2SCN6554	2SCN6555	2SCN6557

- > Packing unit : 1 Cemented Abutment + 1 Abutment Screw.
- > For Screw-Cement or Cement Retained Prosthesis.
- > Cutting surface for anti-rotation of prosthesis.
- > Gold color for more translucent restoration.
- > Library available for EXOCAD®, 3Shape® & Others.
- > Connected with the Abutment Screw (2SSHR200).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Use the Scanbody for 3D Work.
- > Fixture level impression.

Angulated Abutment

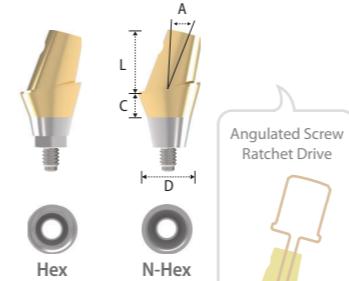


Type	Hex-A				Hex-B			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)
Length Cuff	8	8	8	8	8	8	8	8
1	2SAH45151	2SAH45251	2SAH55151	2SAH55251	2SAH45151B	2SAH45251B	2SAH55151B	2SAH55251B
2	2SAH45152	2SAH45252	2SAH55152	2SAH55252	2SAH45152B	2SAH45252B	2SAH55152B	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

- > 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 (2SSHR100).
- > Gold color for more translucent restoration.
- > Select Hex-A or Hex-B according to case.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > 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

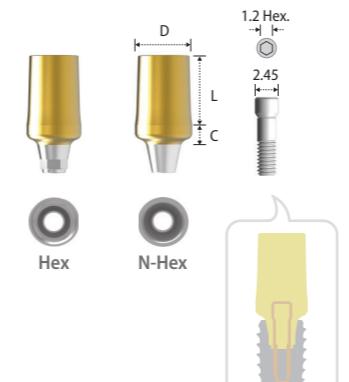
- > Packing unit : 1 Beauty-up™ Abutment
- > For Screw-Cement Retained Prosthesis with angulated screw channel.
- > Solution for anterior esthetic zone.
- > The gingival line of the Beauty-up™ Abutment allows more esthetic prosthesis.
- > Oval design allows lower incisal application (Mesiodistal diameter : 3.8mm).

* Angulated Screw Ratchet Driver

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

- > Stable to internal slip or fracture due to wide contact area of the Angulated Driver and the dedicated Stargrip Abutment Screw.
- > Tightening torque force : 30 N.cm (50 N.cm Max).

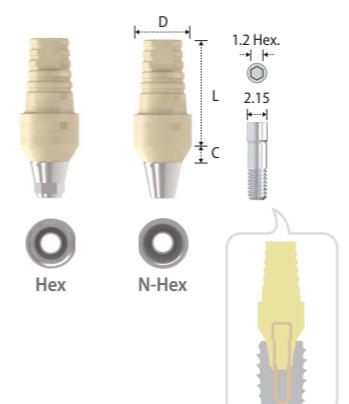
Milling Abutment



Type	Hex			N-Hex		
Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Length Cuff	7	7	7	7	7	7
2	2SMH4527	2SMH5527	2SMH6527	2SMN4527	2SMN5527	2SMN6527
4	2SMH4547	2SMH5547	2SMH6547	2SMN4547	2SMN5547	2SMN6547

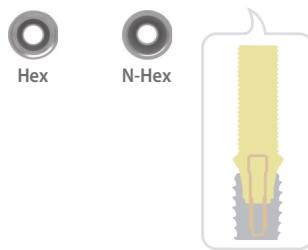
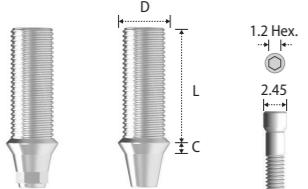
- > Packing unit : 1 Milling Abutment + 1 Abutment Screw.
- > For Screw-Cement or Cement Retained Prosthesis.
- > Block abutment for customized contouring.
- > Gold color for more translucent restoration.
- > Connected with the Abutment Screw (2SSHR100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Fixture level impression.

Easy Temporary Abutment



Type	Hex		N-Hex	
Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Length Cuff	10	10	10	10
2	2STHA45C	2STHA55C	2STNA45C	2STNA55C

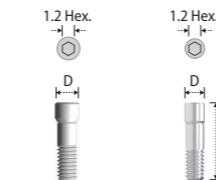
Temporary Abutment



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

- > Packing unit : 1 Temporary Abutment + 1 Abutment Screw.
- > For Screw-Cement Retained Prosthesis.
- > For provisional restoration.
- > Connected with the Abutment Screw (2SSHR100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.
- > Fixture level impression.

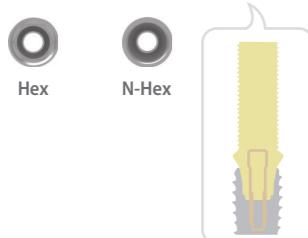
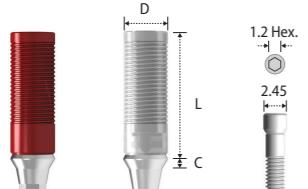
Abutment Screw



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

- > Packing unit : 1 Abutment Screw.
- > 2SSHR100 : Hybrid Block / Scandbody / Angulated / Milling / Temporary / Meta G UCLA / Plastic UCLA Abutment.
- > 2SSHR200 : Hybrid S & L Ti-Base / Cemented / Easy Temporary Abutment.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.

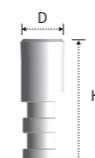
Meta G UCLA Abutment



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length Cuff	12	12
1	2SGH45N	2SGN45N
2	2SGH452N	2SGN452N
3	2SGH453N	2SGN453N

- > 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 (2SSHR100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Fixture level impression.

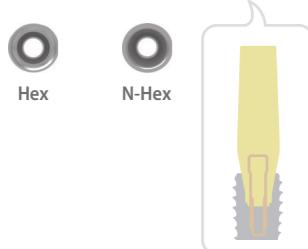
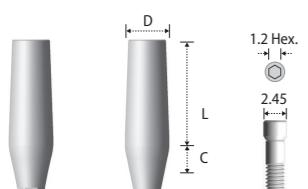
Replica



Height	Diameter	Ø4
12		2SRHR001

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

Plastic UCLA Abutment

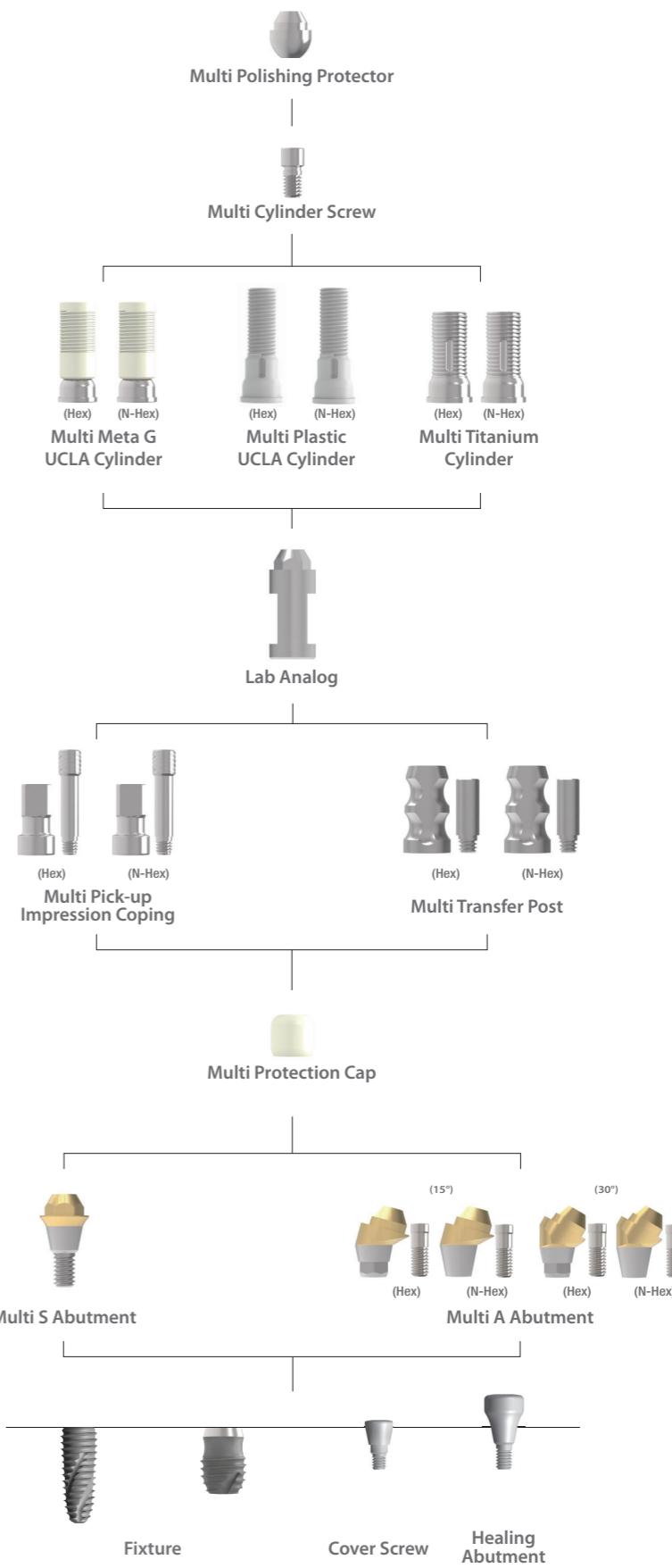


Type	Hex		N-Hex	
	Diameter	Ø4.5	Diameter	Ø5.5
Length Cuff	11	11	11	11
3	2SPHR001	2SPHW001	2SPNR001	2SPNW001

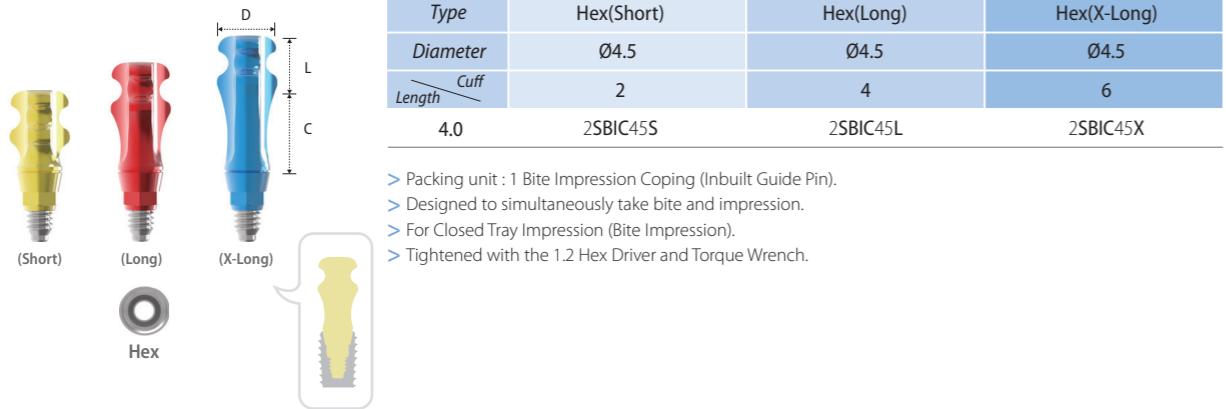
- > Packing unit : 1 Plastic UCLA Abutment + 1 Abutment Screw.
- > Same purpose of use as the Meta G UCLA Abutment but low accuracy of connection during lab procedure.
- > PMMA material.
- > Connected with the Abutment Screw (2SSHR100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : Finger light force during wax pattern fabrication, 30 N.cm after casting.
- > Fixture level impression.

Prosthetic Procedure II

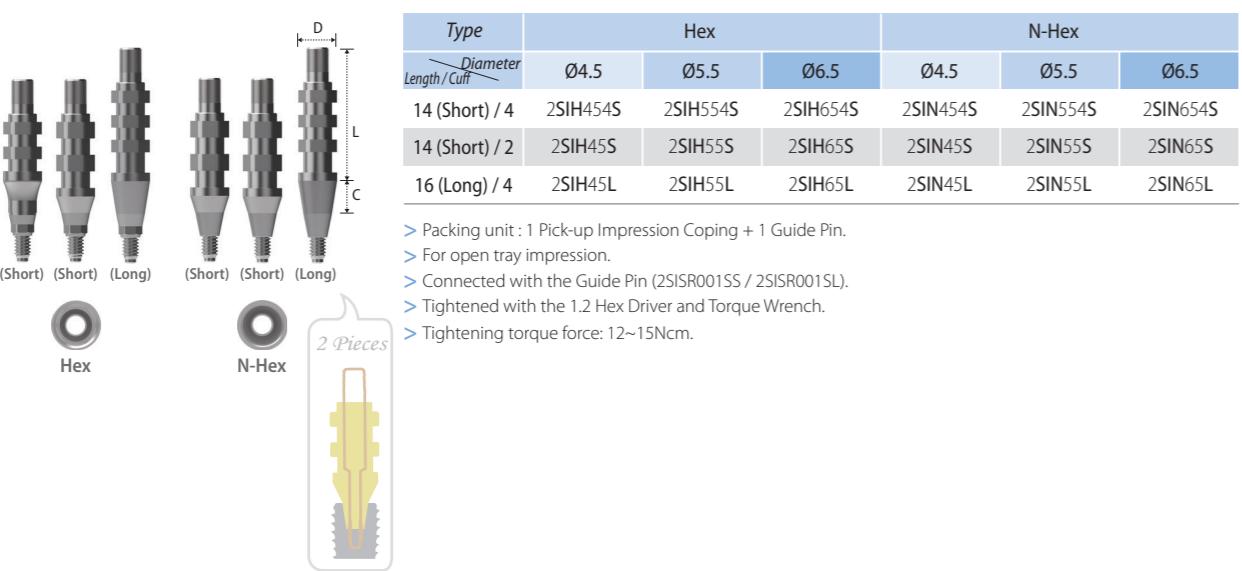
Component Selection Guide for Multi S&A Abutment



Bite Impression Coping



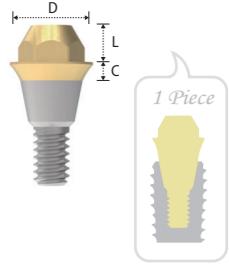
Pick-up Impression Coping



Transfer Post



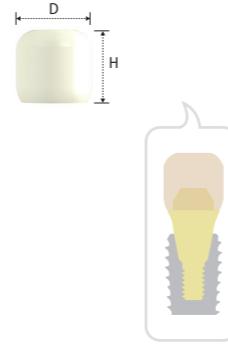
Multi S Abutment



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

- > Packing unit: 1 Multi S Abutment.
- > For Screw-Retained Prosthesis.
- > Titanium base for the cylinders.
- > Gold color for more translucent restoration.
- > Integrated with screw and abutment.
- > Library available for EXOCAD®, 3Shape® & Others.
- > Use the S Holder for more stable position.
- > Tightened with the S Machine & S Ratchet Driver and Torque Wrench.
- > Tightening torque force: 30 N.cm.
- > Abutment level impression.

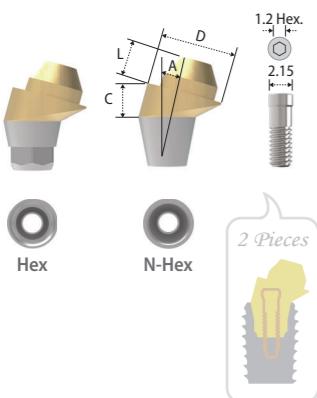
Multi Protection Cap



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

- > Packing unit: 1 Multi Protection Cap.
- > Protection from cheek and tongue for gingival healing period.
- > Gingival retraction for prosthodontic margin of abutment.
- > Alternative usage for sub-structure of temporary prosthesis.

Multi A Abutment



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

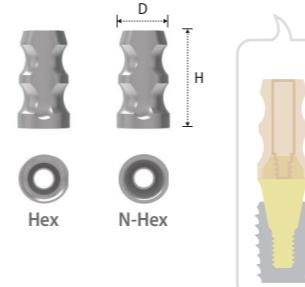
- > Packing unit: 1 Multi A Abutment + 1 Abutment Screw.
- > For Screw-Retained Prosthesis.
- > Titanium base for the cylinders.
- > Gold color for more translucent restoration.
- > Library available for EXOCAD®, 3Shape® & others.
- > Use the A Holder for more stable position.
- > Connected with the Abutment Screw (2SSHR300 : ★ / 2SSHR400 : ●).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 30 N.cm.
- > Use the Multi Scanbody for digital flow.
- > Abutment level impression.

Abutment Screw

Diameter Height	7.5	6.5
2.15	★ 2SSHR300	● 2SSHR400

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

Multi Transfer Post



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

- > Packing unit: 1 Multi Transfer Post + 1 Guide Pin.
- > For closed tray impression.
- > Connected with the Guide Pin (2SMTHS100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15 N.cm.

Multi Lab Analog



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

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

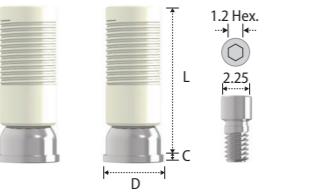
Multi Titanium Cylinder



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	8.5	8.5	8.5	8.5

- > Packing unit : 1 Multi Titanium Cylinder + 1 Multi Cylinder Screw.
- > For Screw, Cement or Screw-Cement Retained Prosthesis.
- > Connected with the Multi Cylinder Screw (2SMCS100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.

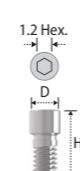
Multi Meta G UCLA Cylinder



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	10.9	10.9	10.9	10.9

- > Packing unit : 1 Multi Meta G UCLA Cylinder + 1 Multi Cylinder Screw.
- > For Screw, Cement or Screw-Cement Retained Prosthesis.
- > Modification to various types of abutments.
- > CCM alloy core for precise connection.
- > Cast with non-precious metal or gold alloy.
- > Connected with the Multi Cylinder Screw (2SMCS100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.

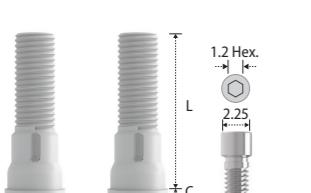
Multi Cylinder Screw



Type	Ø2.25	
Height	5	2SMCS100

- > Packing unit : 1 Multi Cylinder Screw.
- > Connected with the Meta G UCLA, Plastic UCLA and Titanium Cylinder.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.

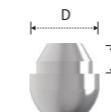
Multi Plastic UCLA Cylinder



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	11.5	11.5	11.5	11.5

- > Packing unit : 1 Multi Plastic UCLA Cylinder + 1 Multi Cylinder Screw.
- > For Screw, Cement or Screw-Cement Retained Prosthesis.
- > Same purpose of use as the Meta G UCLA Cylinder but low accuracy of connection.
- > PMMA material.
- > Connected with the Multi Cylinder Screw (2SMCS100).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.

Multi Polishing Protector



Type	Hex	
Multi S&A Abutment Diameter	Ø4.5	Ø5.5
Diameter	Ø4.5	Ø5.5

- > Packing unit : 1 Multi Polishing Protector.
- > For polishing work during lab procedure.

Prosthetic Procedure III

Component Selection Guide for Lock Abutment



S Holder

> Packing unit: 1 Multi S Holder.
> To position the Multi S Abutment more stably.



A Holder

> Packing unit: 1 Multi A Holder.
> To position the Multi A Abutment more stably.

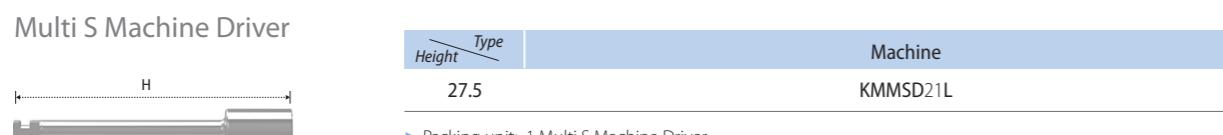


① Connect the Multi A Holder with the Multi A Abutment with its Abutment Screw in it and match the direction of holes of the abutment and the holder.

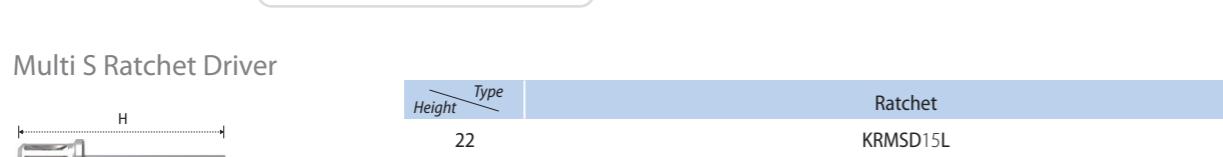
② Hold the handle of the Multi A Holder and bend it according to the placement position in the oral cavity.

③ Connect the assembled body with the fixture.

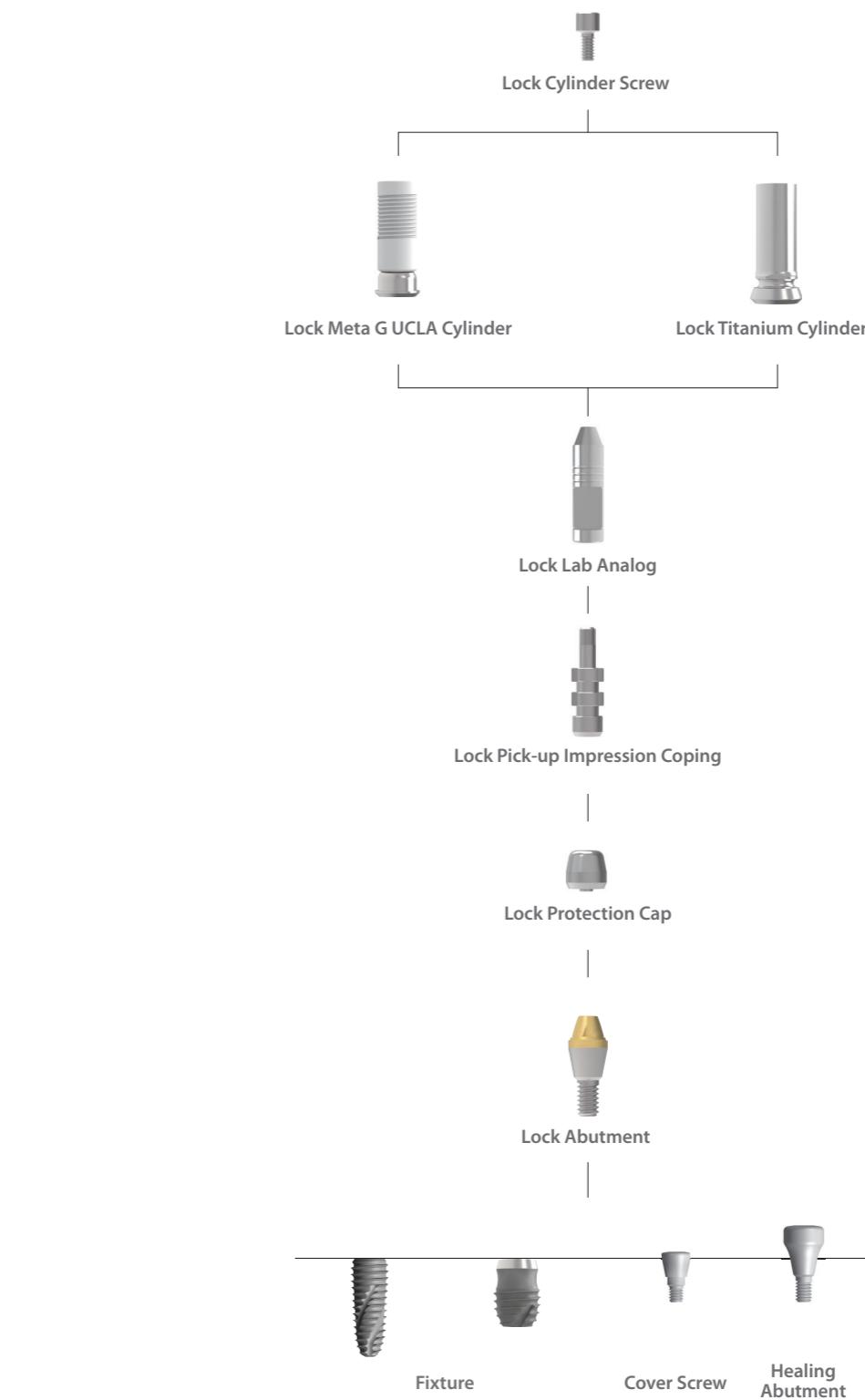
④ Tighten the Multi Abutment with the 1.2 Hex Driver and Torque Wrench.



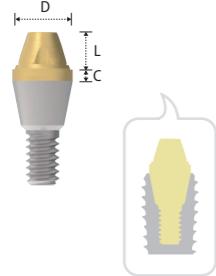
> Packing unit: 1 Multi S Machine Driver.
> To install the Multi S Abutment by machine.



> Packing unit: 1 Multi S Ratchet Driver.
> To install the Multi S Abutment by hand.



Lock Abutment



Diameter	Ø3.5
<i>Cuff Length</i>	2.15
0.5	2SLA400
1	2SLA410
2	2SLA420
3	2SLA430
4	2SLA440

- > Packing unit : 1 Lock Abutment.
- > For Screw-Retained Prosthesis.
- > Titanium base for cylinder.
- > Gold color for more translucent restoration.
- > Integrated with screw and abutment.
- > Tightened with the Lock Ratchet Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Abutment level impression.

Lock Lab Analog



Lock Abutment Diameter	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Length</i>	2.15

- > Packing unit : 1 Lock Lab Analog.
- > Replacement of abutment shape in working cast.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.

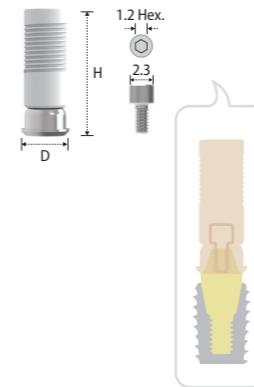
Lock Protection Cap



Lock Abutment Diameter	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	4.3

- > Packing unit : 1 Lock Protection Cap.
- > Protection from cheek and tongue for gingival healing period.
- > Gingival retraction for prosthodontic margin of abutment.

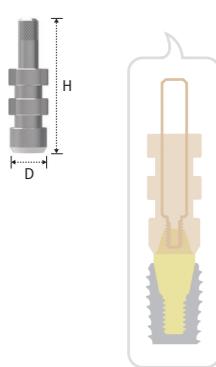
Lock Meta G UCLA Cylinder



Lock Abutment Diameter	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	11.2

- > Packing unit : 1 Lock Meta G UCLA Cylinder + 1 Lock Cylinder Screw.
- > For Screw, Cement or Screw-Cement Retained Prosthesis.
- > Modification to various types of abutments.
- > CCM alloy core for precise connection.
- > Cast with non-precious metal or gold alloy.
- > Connected with the Lock Cylinder Screw (2SLCS200).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.

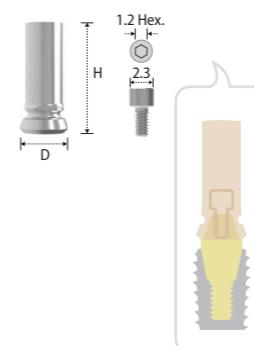
Lock Pick-up Impression Coping



Lock Abutment Diameter	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	16

- > Packing unit : 1 Lock Pick-up Impression Coping + 1 Guide Pin.
- > Connected with the Guide Pin (2SLIH45S).
- > For open tray impression.

Lock Titanium Cylinder



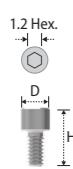
Lock Abutment Diameter	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	10

- > Packing unit : 1 Lock Titanium Cylinder + 1 Lock Cylinder Screw.
- > For Screw, Cement or Screw-Cement Retained Prosthesis.
- > Connected with the Lock Cylinder Screw (2SLCS200).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.

Prosthetic Procedure IV

Component Selection Guide for Absolute Abutment

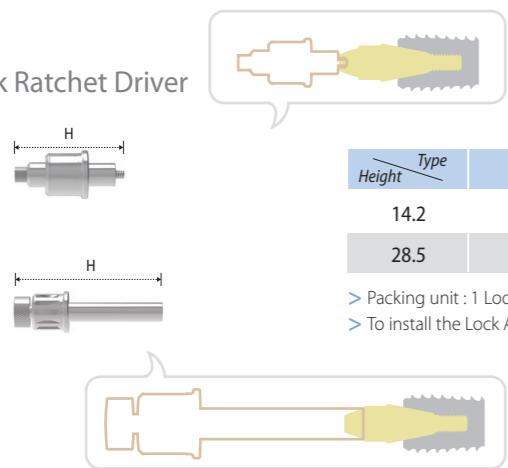
Lock Cylinder Screw



Height	Diameter	Ø2.3
4.8		2SLCS200

- > Packing unit : 1 Lock Cylinder Screw.
- > Connected with the CCM Cylinder or Titanium Cylinder.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.

Lock Ratchet Driver



Height	Type	Ratchet
14.2		KRLRD18
28.5		KRLRD28

- > Packing unit : 1 Lock Ratchet Driver.
- > To install the Lock Abutment by hand.

Component Selection Guide for Absolute Abutment



Absolute Plastic Coping



Absolute Lab Analog



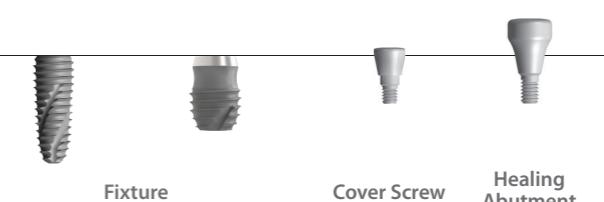
Absolute Impression Cap



Absolute Protection Cap



Absolute Abutment

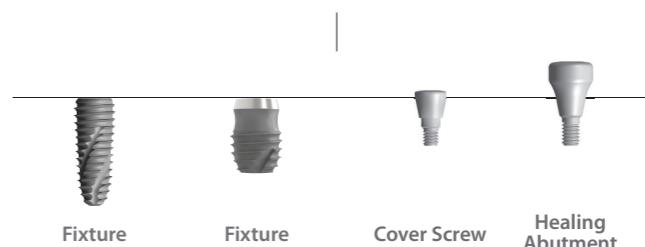


Prosthetic Procedure V

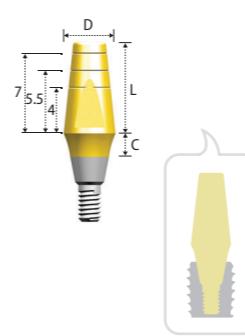
Component Selection Guide for Straight Abutment



Straight Abutment



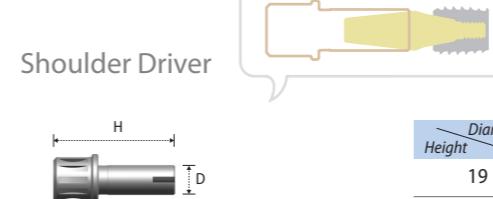
Straight Abutment



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

- > Packing unit : 1 Straight Abutment.
- > For Cement Retained Prosthesis.
- > Integrated with screw and abutment.
- > Tightened with the Shoulder Driver.
- > Tightening torque force : 30 N.cm.
- > Direct impression.

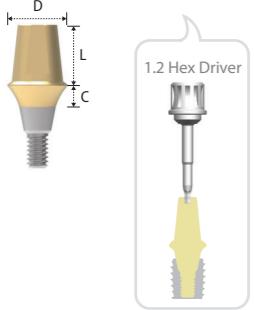
Shoulder Driver



Diameter	Ø4.5
Height	19
	KRR19L

- > Packing unit : 1 Driver.
- > To install the Straight Abutment.

Absolute Abutment



Diameter	Ø4.5			Ø5.5			Ø6.5		
Length	4	5.5	7	4	5.5	7	4	5.5	7
1	2SAC4514	2SAC4515	2SAC4517	2SAC514	2SAC515	2SAC517	2SAC6514	2SAC6515	2SAC6517
2	2SAC4524	2SAC4525	2SAC4527	2SAC524	2SAC525	2SAC527	2SAC6524	2SAC6525	2SAC6527
3	2SAC4534	2SAC4535	2SAC4537	2SAC534	2SAC535	2SAC537	2SAC6534	2SAC6535	2SAC6537
4	2SAC4544	2SAC4545	2SAC4547	2SAC544	2SAC545	2SAC547	2SAC6544	2SAC6545	2SAC6547
5	2SAC4554	2SAC4555	2SAC4557	2SAC554	2SAC555	2SAC557	2SAC6554	2SAC6555	2SAC6557

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

Absolute Ratchet Driver



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

Absolute Protection Cap



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

- > Packing unit : 1 Absolute Protection Cap.
- > Protection from cheek and tongue for gingival healing period.
- > Gingival retraction for prosthodontic margin of abutment.
- > Alternative usage for sub-structure of temporary prosthesis.

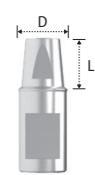
Absolute Impression Cap



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

- > Packing unit : 1 Absolute Impression Cap.
- > Confirm locking with abutment by rotation of clockwise and anti-clockwise direction.

Absolute Lab Analog



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

- > Packing unit : 1 Absolute Lab Analog.
- > Replacement of abutment shape in working cast.
- > Choose according to width and length of abutment.

Absolute Plastic Coping (Burn Out Cylinder)

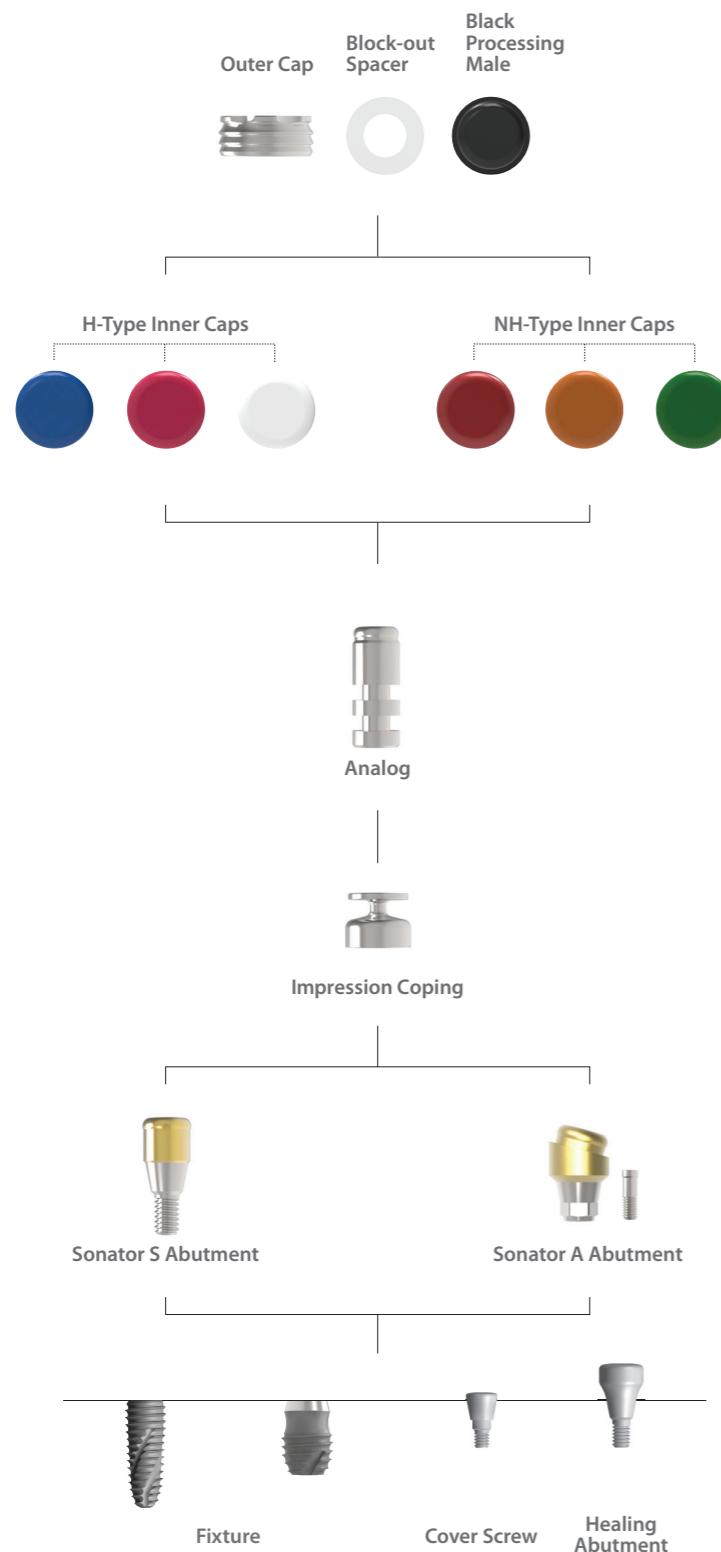


Type	Crown			Bridge		
Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Height	Ø5.1	Ø6.1	Ø7.1	Ø5.1	Ø6.1	Ø7.1
10	2SHBC45	2SHBC55	2SHBC65	2SHBB45	2SHBB55	2SHBB65

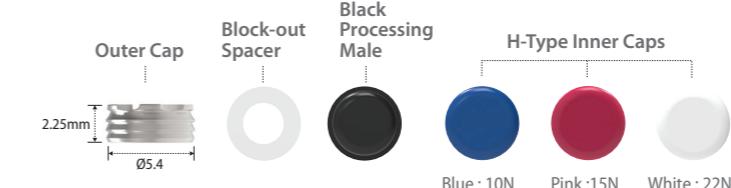
- > Packing unit : 1 Absolute Plastic Coping.
- > Connected with the Lab Analog.
- > Burn out and casting for metal framework.

Prosthetic Procedure VI

Component Selection Guide for Sonator Abutment



Sonator S Abutment



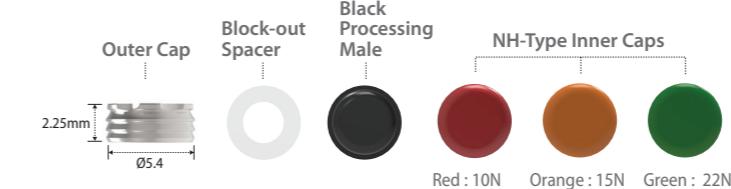
Carrier



Diameter	Ø4.0					
	Length	1	2	3	4	5
1.5	SONS401	SONS402	SONS403	SONS404	SONS405	SONS406

- > Packing unit : 1 Sonator S Abutment + 1 Carrier + 3 H-Type Inner Caps + 1 Outer Cap + 1 Block-out Spacer + 1 Black Processing Male.
- > For Implant Supported Over-denture Prosthesis.
- > Stable with low vertical height.
- > 6 kinds of the Inner Caps give various holding force (Both, H and NH-Type Inner Caps are used for the Sonator S Abutment).
- > Path compensation up to 20° based on 2 implants.
- > Carrier : Used for delivery of the abutment.
- > Tightened with the Sonator S Ratchet Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Abutment level impression.

Sonator A Abutment



Carrier



Diameter	Ø4.0	
	Length	Angle
1.5	3.0	3

- > Packing unit : 1 Sonator A Abutment + 1 Abutment Screw + 1 Carrier + 3 NH-Type Inner Caps + 1 Outer Cap + 1 Block-out Spacer + 1 Black Processing Male.
- > For Implant Supported Over-denture Prosthesis.
- > Stable with low vertical height.
- > 6 kinds of Inner Caps give various holding force (Both, H and NH-Type Inner Caps are used for the Sonator A Abutment).
- > Path compensation up to 40° based on 2 Implants.
- > Connected with the Abutment Screw (2SSHR300).
- > Carrier : Used for delivery of the abutment.
- > Tightened with the 1.2 Hex Driver and Torque wrench.
- > Tightening torque force : 30 N.cm.
- > Abutment level impression.

Abutment Screw

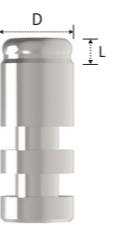


Diameter	Ø2.15	
	Height	7.5
2SSHR300		

Outer Cap

	Black Processing Male	Diameter Ø5.4	Height 2.25	Code SONOC01
<ul style="list-style-type: none"> > Packing unit : 2 Outer Caps and 2 Black Processing Males. > Black Processing Male: Inserted and removed with the I&R Driver. 				

Sonator Lab Analog

	Diameter Ø4	Length 1.4	Code SONLA04
<ul style="list-style-type: none"> > Packing unit : 4 Sonator Lab Analogs. > Replacement of abutment shape in working cast. 			

H-Type Inner Cap

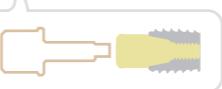
Code	SONIC01
<p>Block-out Spacer Inner Cap</p> 	
<ul style="list-style-type: none"> > Packing unit : 3 Block-out Spacers + 3 Inner Caps (1 Blue, 1 Pink and 1 White). > Path compensation up to 20° based on 2 implants. > Mainly used for the Sonator S Abutment. > Inner Caps: Inserted and removed with the I&R Driver. 	

Blue : Retention Force About 10N
Pink : Retention Force About 15N
White : Retention Force About 22N



Sonator S Ratchet Driver

	Type Ratchet	Height 18	Code SONRD19L
<ul style="list-style-type: none"> > Used to tighten and untighten the Sonator S Abutment. 			



NH-Type Inner Cap

Code	SONIC02
<p>Block-out Spacer Inner Cap</p> 	
<ul style="list-style-type: none"> > Packing unit : 3 Block-out Spacers + 3 Inner Caps (1 Red, 1 Orange and 1 Green). > Non-humped design. > Path compensation up to 40° based on 2 implants. > Mainly used for the Sonator A Abutment. > Inner Caps : Inserted and removed with the I&R Driver. 	

Red : Retention Force About 10N
Orange : Retention Force About 15N
Green : Retention Force About 22N



I & R Driver

	Height 95.4	Code SONIR002
<p>For Removal  For Insertion </p>		

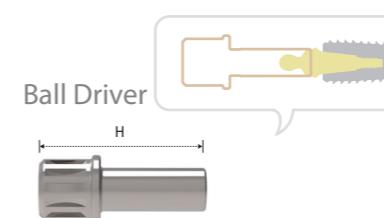
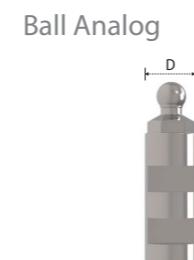
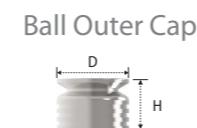
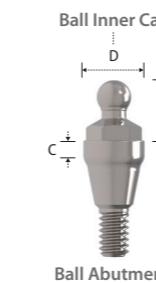
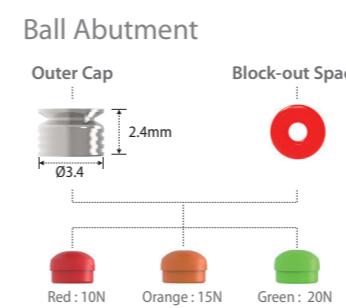
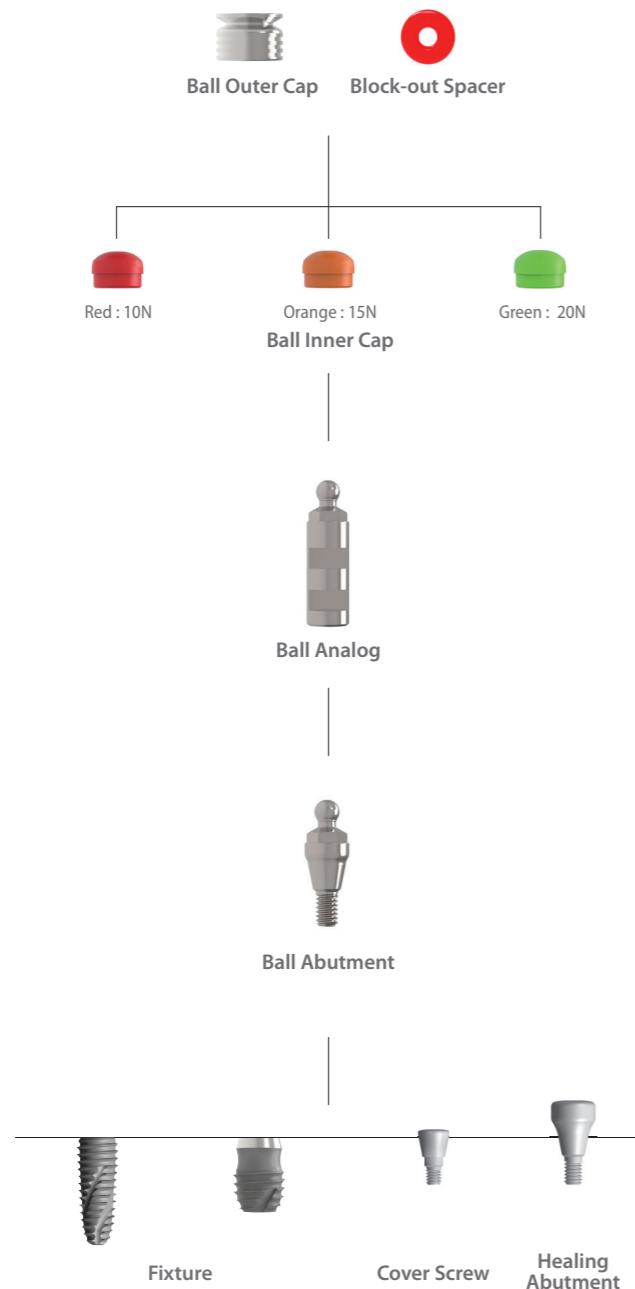
> Used to insert and remove the Inner Caps and Block Processing Male.

Sonator Impression Coping

	Black Processing Male	Diameter Ø4.8	Length 3	Code SONIP04
<ul style="list-style-type: none"> > Packing unit : 4 Sonator Impression Coping and 4 Black Processing Males. > Connected over the Sonator Abutment after placing the Block-out Spacer. > For close tray impression. 				

Prosthetic Procedure VII

Component Selection Guide for Ball Abutment



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

- > Packing unit : 1 Ball Abutment + 3 Inner Caps (1 per each colour) + 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.

Diameter	Ø3.4
Height	2.4

- > Packing unit : 2 Outer Caps.

BATC003I

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

Diameter	Ø4.0
Length	4

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

*Extra Product

Height	100
Type	Ratchet

- > Packing unit : 1 Ball Driver.

- > Used with the Torque Wrench to tighten and untighten the Ball Abutment.

KRB19L

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

INNO Submerged Implant (Sub. & Sub.-S.)

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