

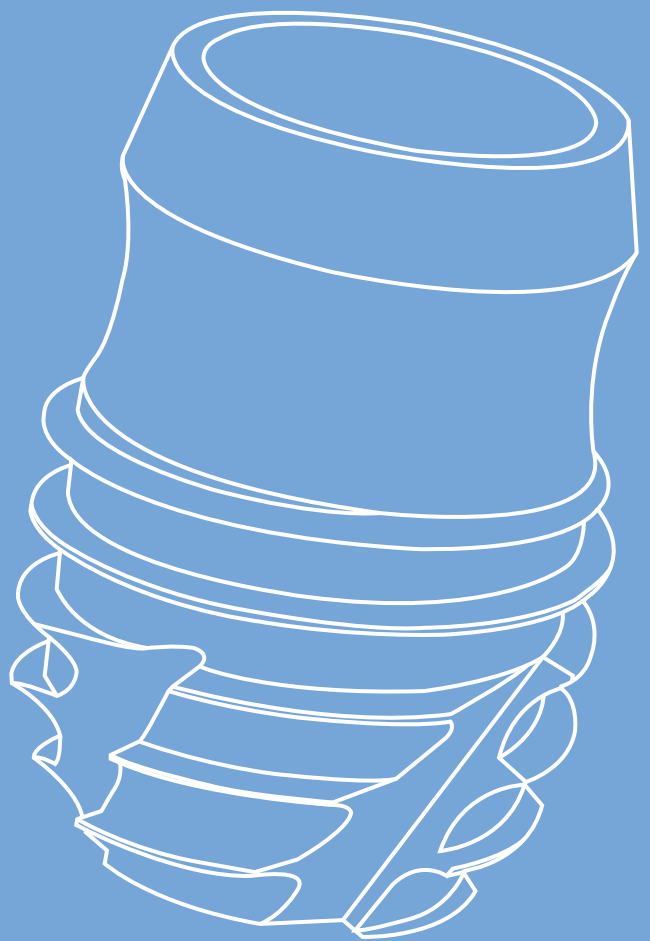
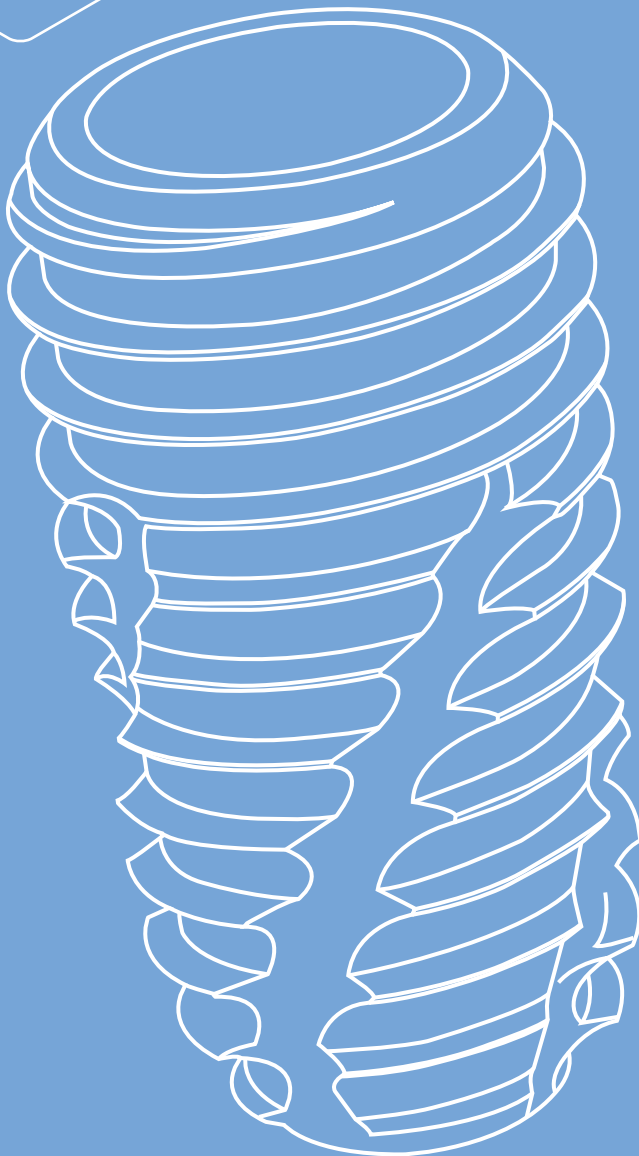
www.cowellmedi.com



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

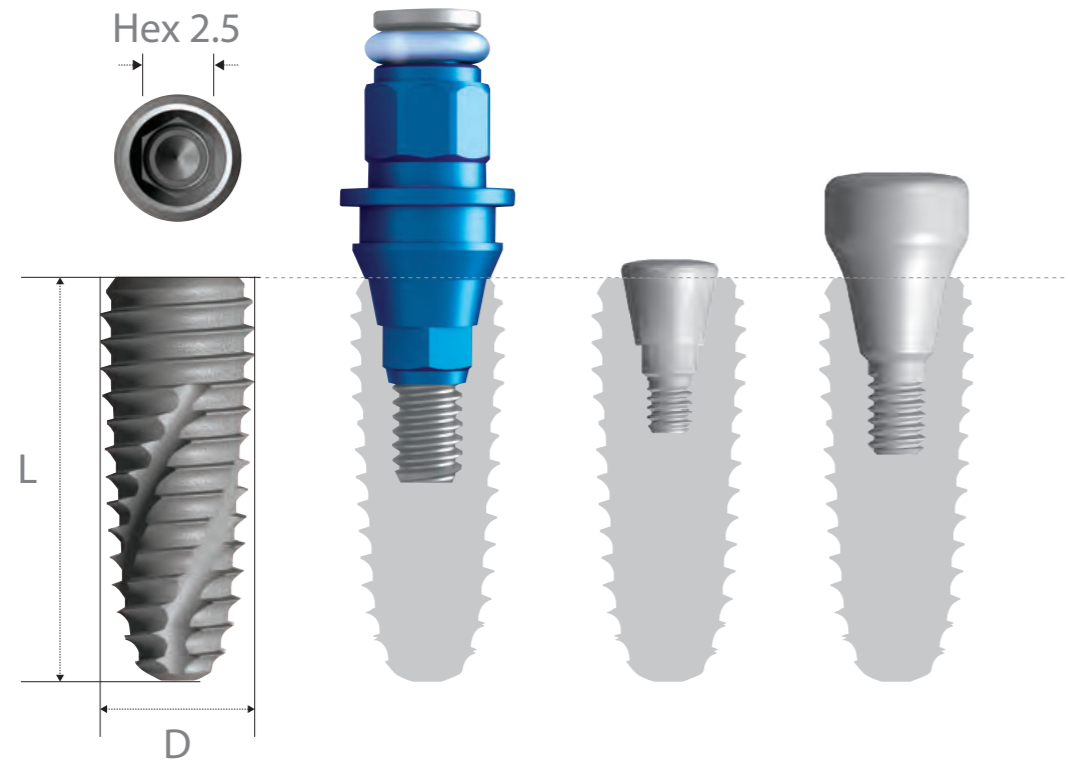
Fixture	Abutment	Impression
	Prosthetic Procedure I <p>Cemented Angulated Beauty-up™ Milling Easy Temporary Temporary Meta G UCLA Plastic UCLA</p>	Fixture Level Impression <p>Replica Bite Impression Coping Pick-up Impression Coping Transfer Post</p>
	Prosthetic Procedure II <p>Multi S Multi A</p>	<p>Multi Protection Cap Multi Pick-up Impression Coping Multi Transfer Post Multi Lab Analog Multi Meta G ULCA Cylinder Multi Plastic UCLA Cylinder Multi Titanium Cylinder Multi Polishing Protector</p>
	Prosthetic Procedure III <p>Lock</p>	<p>Lock Protection Cap Lock Pick-up Impression Coping Lock Lab Analog Lock Meta G UCLA Cylinder Lock Titanium Cylinder</p>
	Prosthetic Procedure IV <p>Absolute</p>	<p>Absolute Protection Cap Absolute Impression Coping Absolute Lab Analog Absolute Plastic Coping</p>
	Prosthetic Procedure V <p>Straight</p>	Abutment Level Impression <p>Direct Impression</p>
	Prosthetic Procedure VI <p>Sonator S Sonator A</p>	<p>Sonator Impression Coping Sonator Analog</p>
	Prosthetic Procedure VII <p>Ball</p>	<p>Ball Analog</p>

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

* Ex.)
SLA No-Mount **ST4010SM**

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

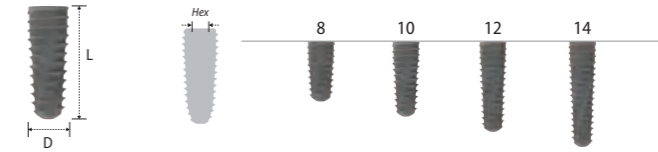
* Ex.)
SLA Pre-Mount **ST4010S**

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

Diameter **Ø3.5**

Length

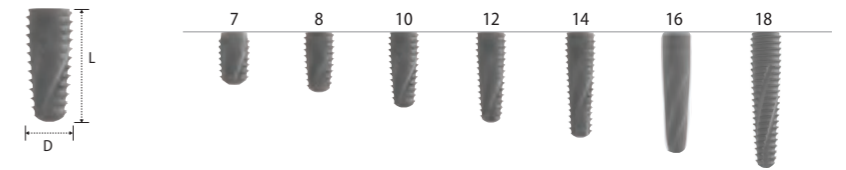
7	-
8	ST3508SM
10	ST3510SM
12	ST3512SM
14	ST3514SM



Diameter **Ø4.0**

Length

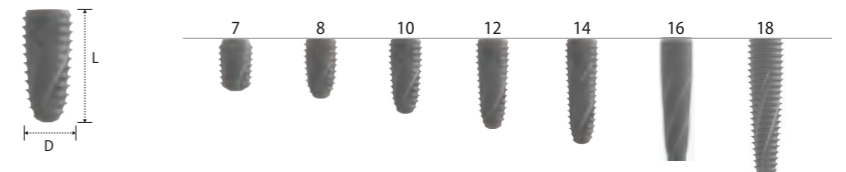
7	ST4007SM
8	ST4008SM
10	ST4010SM
12	ST4012SM
14	ST4014SM
16	ST4016SM
18	ST4018SM



Diameter **Ø4.5**

Length

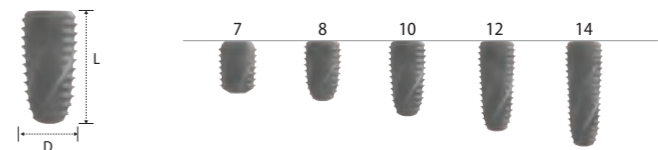
7	ST4507SM
8	ST4508SM
10	ST4510SM
12	ST4512SM
14	ST4514SM
16	ST4516SM
18	ST4518SM



Diameter **Ø5.0**

Length

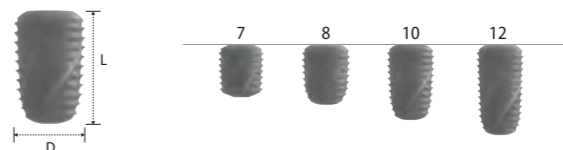
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8	ST5008SM
10	ST5010SM
12	ST5012SM
14	ST5014SM



Diameter **Ø6.0**

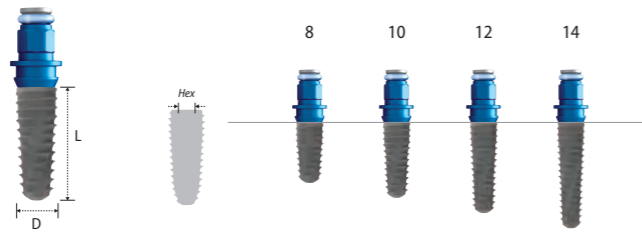
Length

7	ST6007SM
8	ST6008SM
10	ST6010SM
12	ST6012SM
14	-

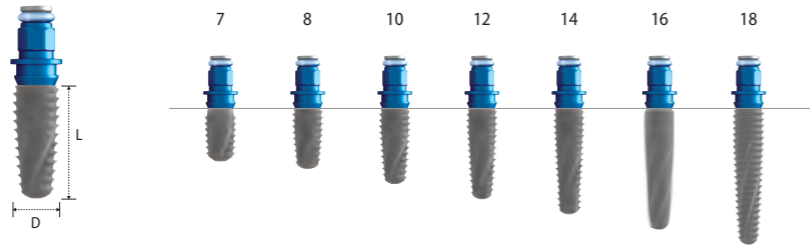


Pre-Mount > Packing unit : 1 Fixture + 1 Cover Screw + 1 Mount.

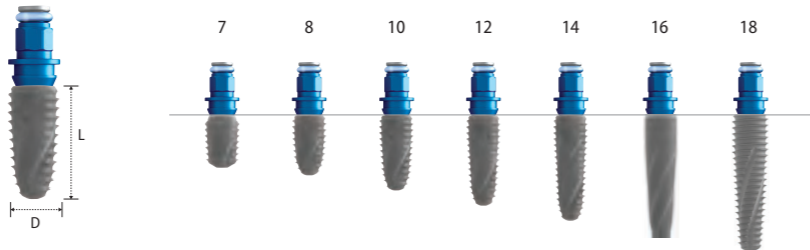
Diameter	Ø3.5
Length	
7	-
8	ST3508S
10	ST3510S
12	ST3512S
14	ST3514S



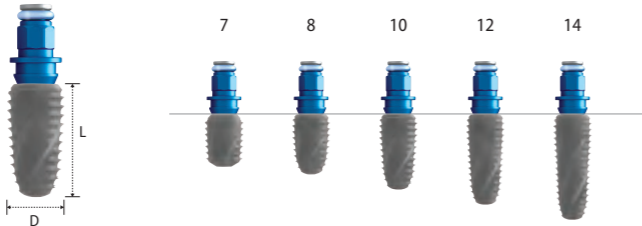
Diameter	Ø4.0
Length	
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8	ST4008S
10	ST4010S
12	ST4012S
14	ST4014S
16	ST4016S
18	ST4018S



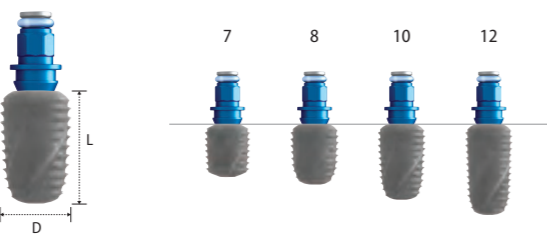
Diameter	Ø4.5
Length	
7	ST4507S
8	ST4508S
10	ST4510S
12	ST4512S
14	ST4514S
16	ST4516S
18	ST4518S



Diameter	Ø5.0
Length	
7	ST5007S
8	ST5008S
10	ST5010S
12	ST5012S
14	ST5014S



Diameter	Ø6.0
Length	
7	ST6007S
8	ST6008S
10	ST6010S
12	ST6012S
14	-

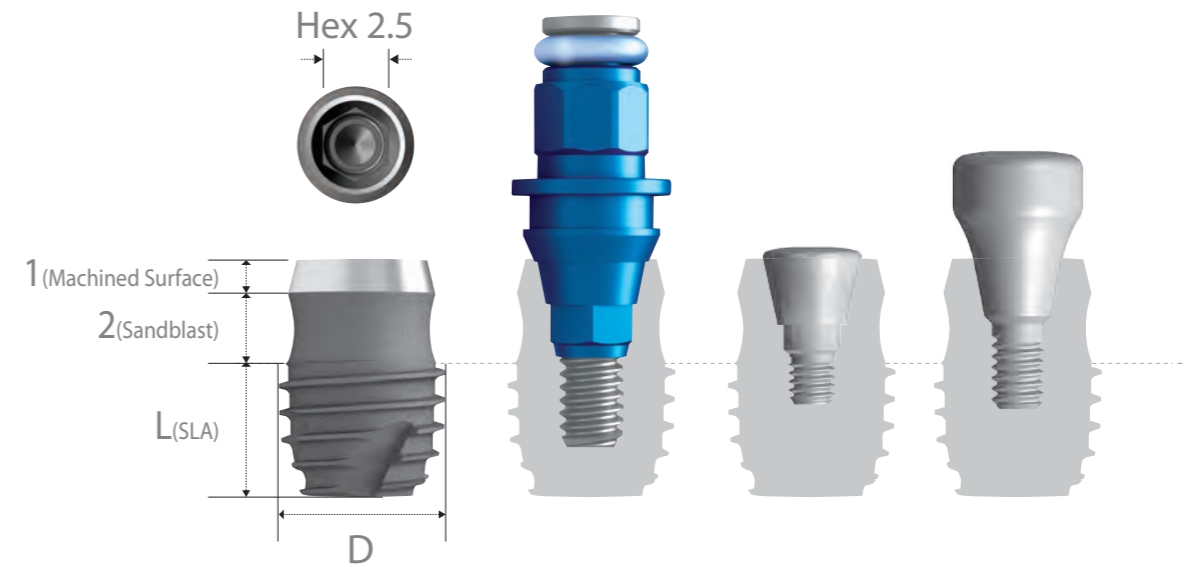


INNO Submerged Short Implant



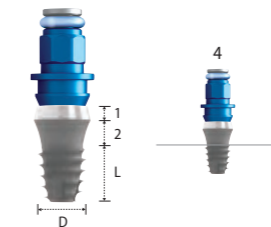
Submerged Short Fixture
Surface Treatment : **SLA-SH®**

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

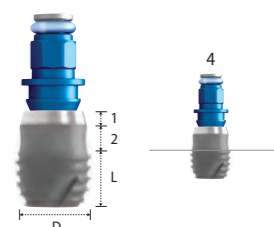


Pre-Mount > Packing Unit : 1 Fixture + 1 Cover Screw + 1 Mount.

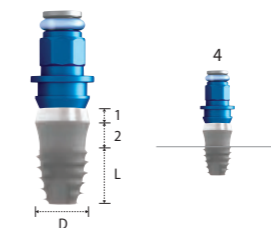
Diameter	Ø4.0
Length	
4	2ST4004S



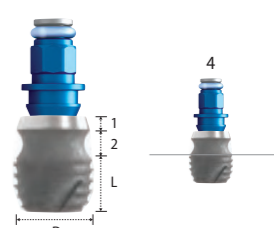
Diameter	Ø5.5
Length	
4	2ST5504S



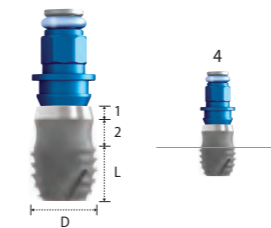
Diameter	Ø4.5
Length	
4	2ST4504S



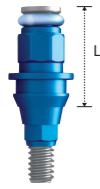
Diameter	Ø6.0
Length	
4	2ST6004S



Diameter	Ø5.0
Length	
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.

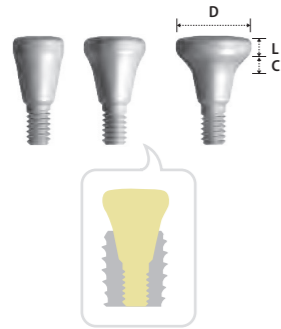
Cover Screw



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

- > Packing unit : 1 Cover Screw. *Extra Product
- > 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.

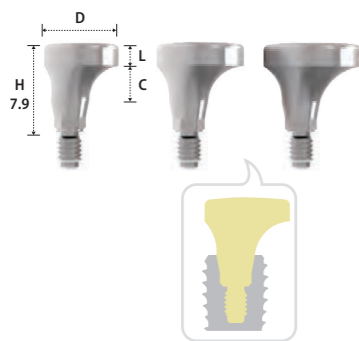
Healing Abutment



Diameter	Ø4.5		Ø5.5		Ø6.5	
Length	1	2	1	2	1	2
Cuff						
	1	2HS4511	2HS5511	2HS6511		
	2	2HS4522	2HS5522	2HS6522		
	3	2HS4532	2HS5532	2HS6532		
	4	2HS4542	2HS5542	2HS6542		
	5	2HS4552	2HS5552	2HS6552		
	7	2HS4572	2HS5572	2HS6572		
Diameter	Ø7.5		Ø8.5		Ø9.5	
Length	2		2		2	
Cuff						
	3	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



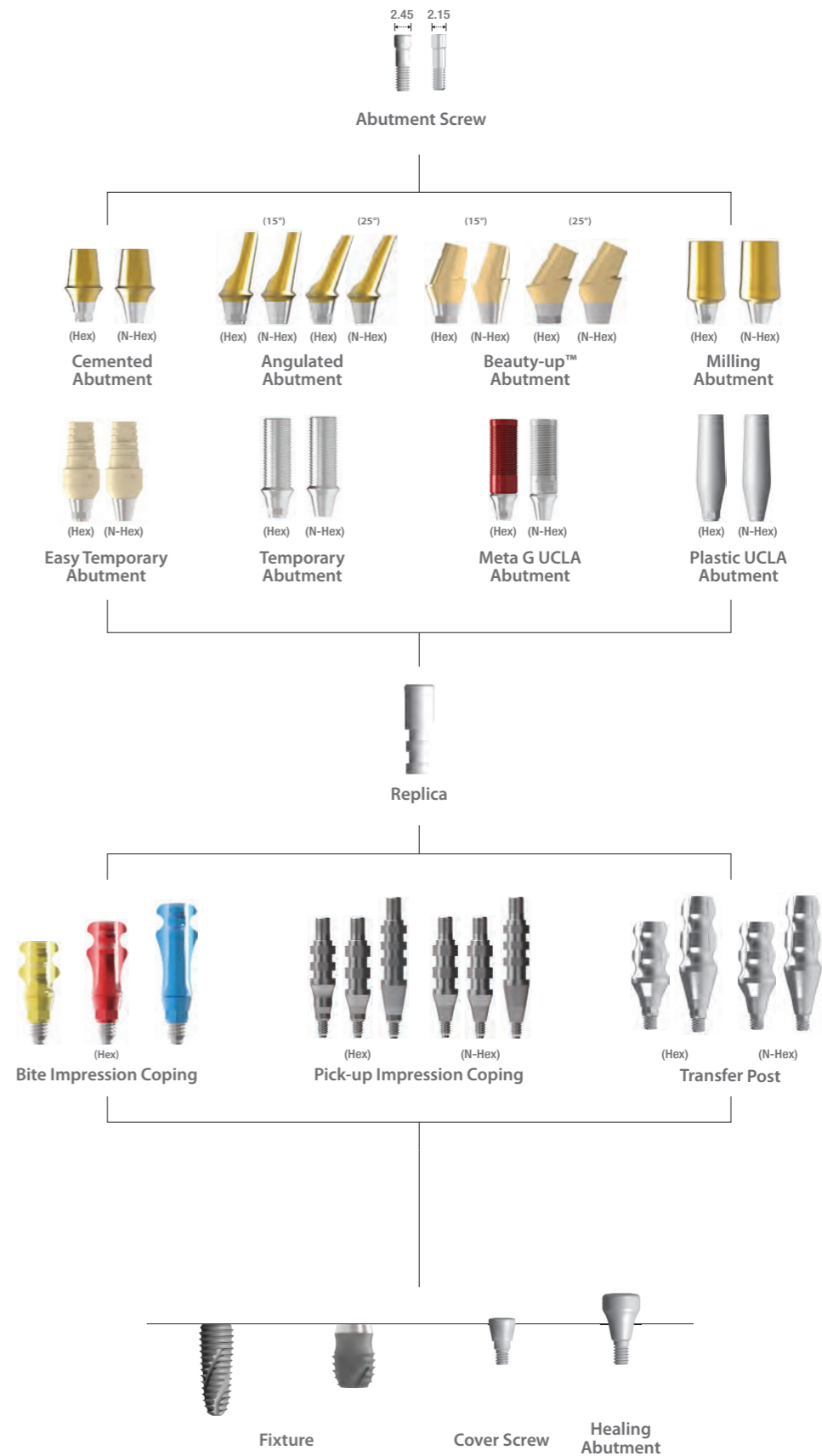
Diameter	Ø6.5	Ø7.5	Ø8.5	
Length	2			
Cuff				
	3	VUHN6532	VUHN7532	VUHN8532

- > 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.

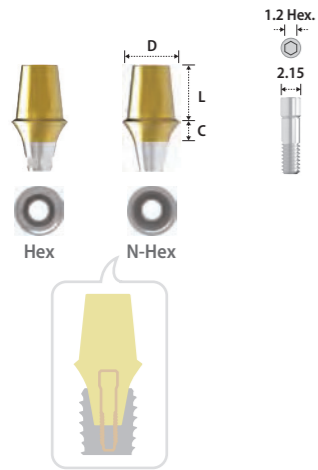


Prosthetic Procedure I

Components Selection Guide for Cemented and UCLA Abutment



Cemented Abutment

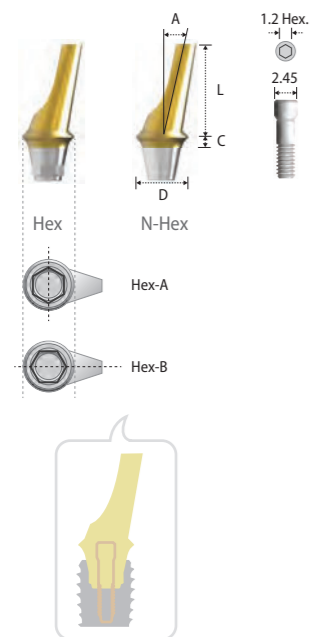


Type	Hex								
Diameter	Ø4.5			Ø5.5			Ø6.5		
Length Cuff	4	5.5	7	4	5.5	7	4	5.5	7
1	2SCH4514	2SCH4515	2SCH4517	2SCH5514	2SCH5515	2SCH5517	2SCH6514	2SCH6515	2SCH6517
2	2SCH4524	2SCH4525	2SCH4527	2SCH5524	2SCH5525	2SCH5527	2SCH6524	2SCH6525	2SCH6527
3	2SCH4534	2SCH4535	2SCH4537	2SCH5534	2SCH5535	2SCH5537	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

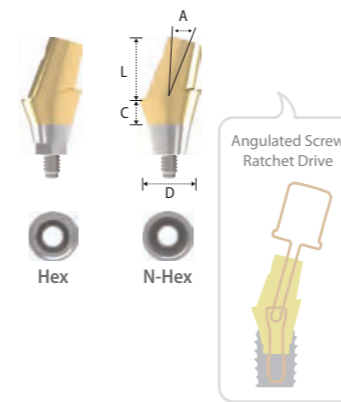


Type	Hex-A				Hex-B			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)
Length Cuff	8	8	8	8	8	8	8	8
1	2SAH45151	2SAH45251	2SAH55151	2SAH55251	2SAH45151B	2SAH45251B	2SAH55151B	2SAH55251B
2	2SAH45152	2SAH45252	2SAH55152	2SAH55252	2SAH45152B	2SAH45252B	2SAH55152B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

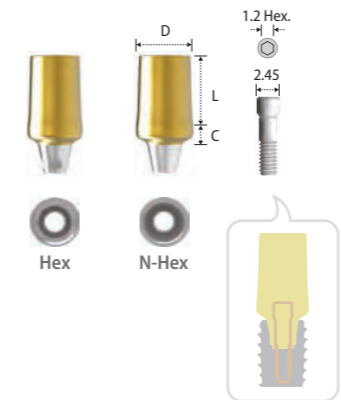
- > Packing unit : 1 Beauty-up™ Abutment (Inbuilt Abutment Screw).
- > For Screw-Cement Retained Prosthesis with angulated screw channel.
- > Solution for anterior esthetic zone.
- > The gingival line of the Beauty-up™ Abutment allows more esthetic prosthesis.
- > Oval design allows lower incisal application (Mesiodistal diameter : 3.8mm).
- > Tightened with the Angulated Screw Ratchet Drive and Torque Wrench.
- > Tightening torque force : 30 N.cm.
- > Library available for EXOCAD®, 3Shape® & Others.
- > Use the Scanbody for 3D Work.
- > Fixture level impression.

* 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.).

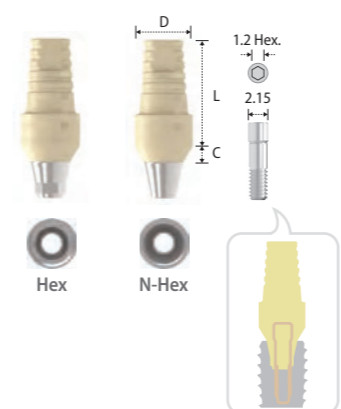
Milling Abutment



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.

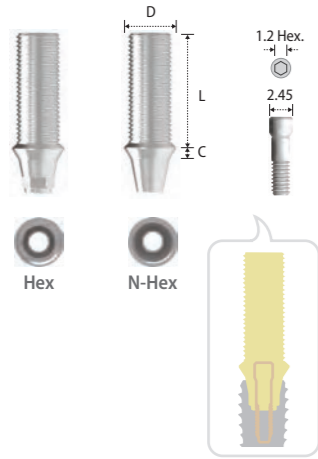
Easy Temporary Abutment



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

- > Packing unit : 1 Easy Temporary Abutment + 1 Abutment Screw.
- > For Screw Retained Prosthesis.
- > For simpler and speedier chair-side process.
- > Venerable polymer material.
- > Temporary restoration for anterior esthetic zone.
- > Titanium core for strength.
- > Connected with the Abutment Screw (2SSHR200).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20 N.cm.
- > Fixture level impression.

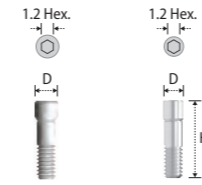
Temporary Abutment



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length	10	10
Cuff		
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.

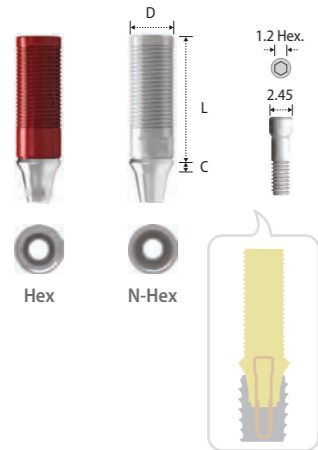
Abutment Screw



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

- > Packing unit : 1 Abutment Screw.
- > 2SSHR100 : Hybrid Block / Scanbody / 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	12	12
Cuff		
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.

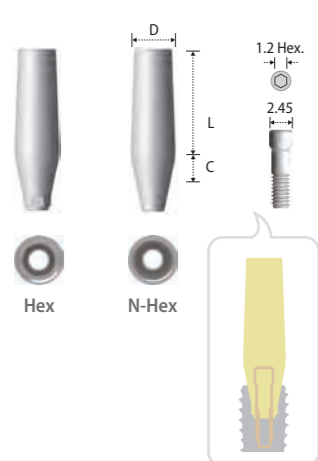
Replica



Diameter	Ø4
Height	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	Ø5.5	Ø4.5	Ø5.5
Length	11	11	11	11
Cuff				
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

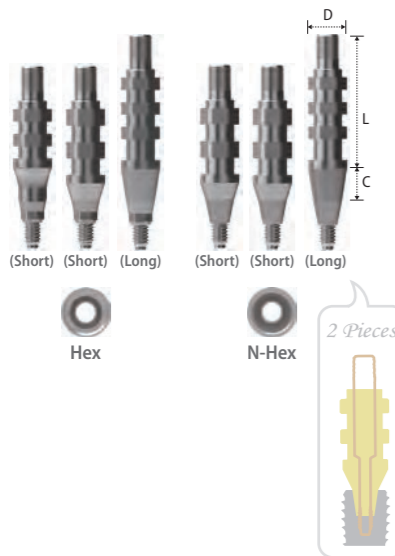
Bite Impression Coping



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

- > Packing unit : 1 Bite Impression Coping (Inbuilt Guide Pin).
- > Designed to simultaneously take bite and impression.
- > For Closed Tray Impression (Bite Impression).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.

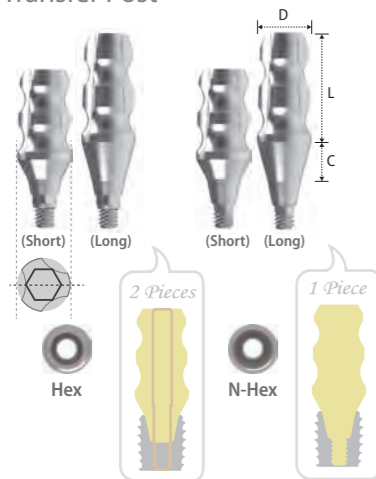
Pick-up Impression Coping



Type	Hex			N-Hex		
	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
14 (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

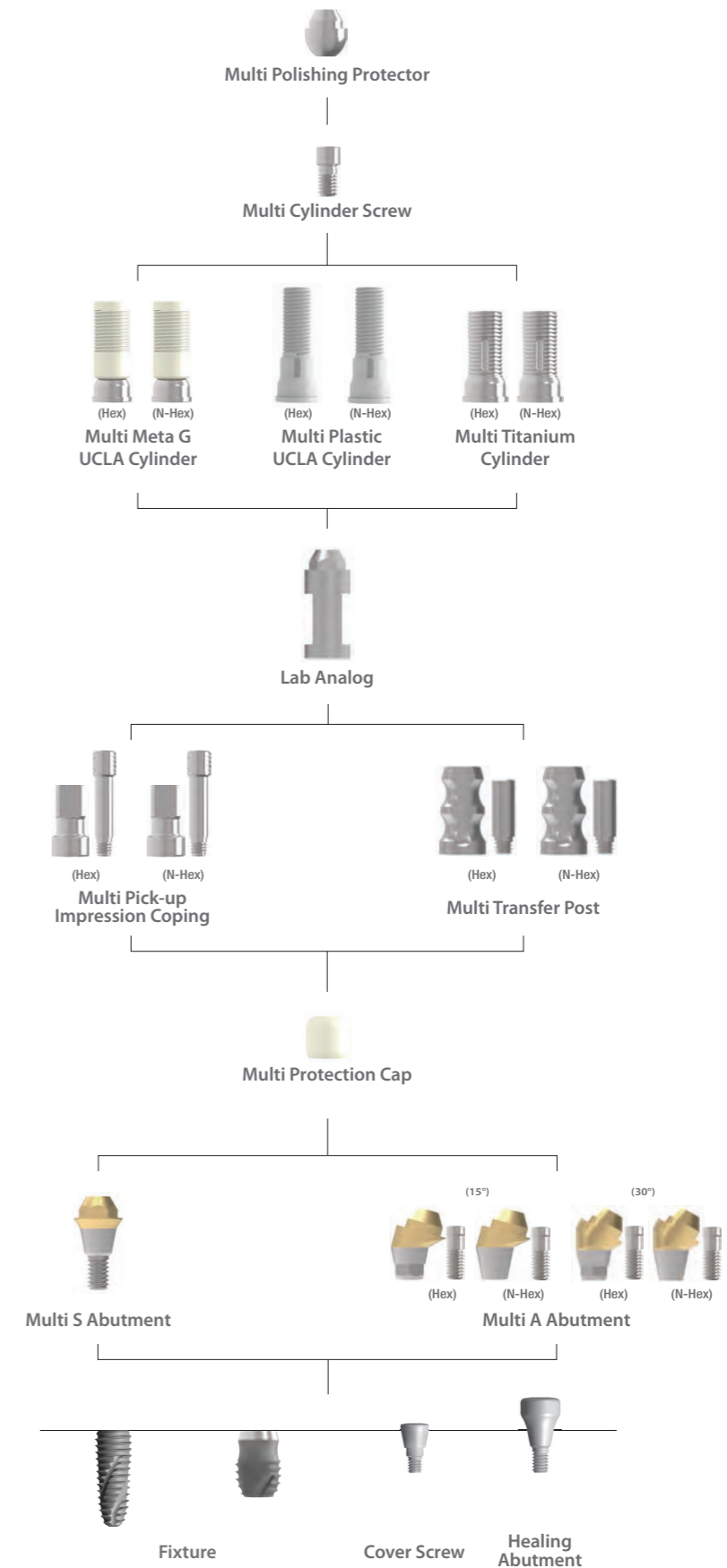
- > Packing unit : 1 Pick-up Impression Coping + 1 Guide Pin.
- > For open tray impression.
- > Connected with the Guide Pin (2SISR001SS / 2SISR001SL).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15Ncm.

Transfer Post

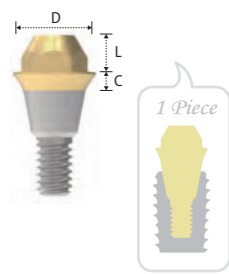


Type	Hex			N-Hex		
	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
9 (Short) / 2	2STH45S	2STH55S	2STH65S	2STN45S	2STN55S	2STN65S
11 (Long) / 4	2STH45L	2STH55L	2STH65L	2STN45L	2STN55L	2STN65L

- > Packing unit : Hex - 1 Transfer Post + 1 Guide Pin / N-Hex - 1 Transfer Post (Solid Type).
- > For closed tray impression.
- > Connected with the Guide Pin (2STH001SS / 2STH001SL).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15Ncm.



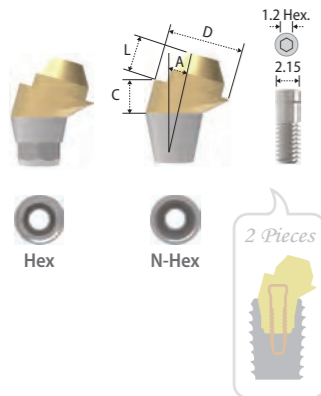
Multi S Abutment



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 A Abutment

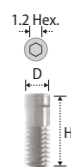


Type	Hex			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(30°)	Ø5.5(15°)	Ø5.5(30°)
Cuff Length	2	2	2	2
2	● 2SMAH45152			
3	★ 2SMAH45153	● 2SMAH45303	★ 2SMAH55153	★ 2SMAH55303
4	★ 2SMAH45154	★ 2SMAH45304	★ 2SMAH55154	★ 2SMAH55304
5			★ 2SMAH55155	★ 2SMAH55305

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.

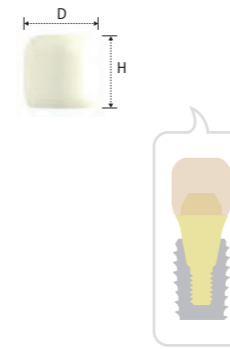
Abutment Screw



Height	7.5	6.5
Diameter	★ 2SSHR300	● 2SSHR400

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

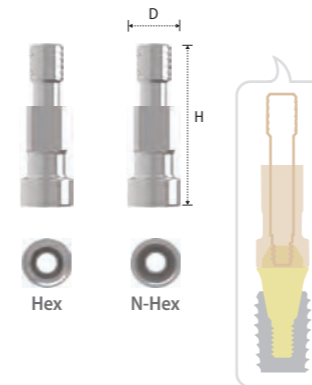
Multi Protection Cap



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

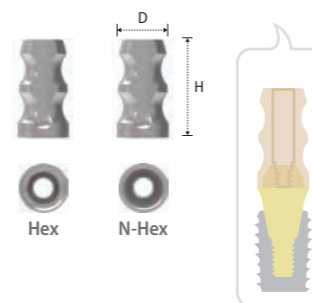
Multi Pick-up Impression Coping



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	14.8	14.8	14.8	14.8
	2SMIH45	2SMIH55	2SMIN45	2SMIN55

- > Packing unit: 1 Multi Pick-up Impression Coping + 1 Guide Pin.
- > For open tray impression.
- > Connected with the Guide Pin (2SMGP012).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15 N.cm.

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	8.5	8.5	8.5	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.

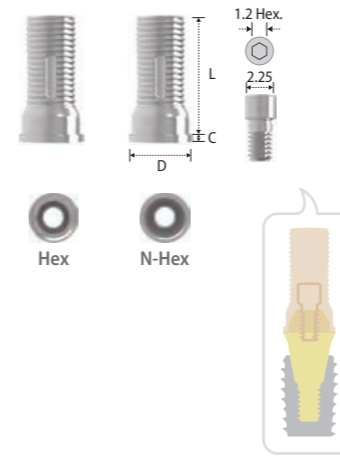
Multi Lab Analog



Type	Hex	N-Hex
Multi S & A Abutment Diameter	Ø4.5	Ø5.5
Diameter	Ø4.5	Ø5.5
Length	2	2
Cuff	2SMA45	2SMA55

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

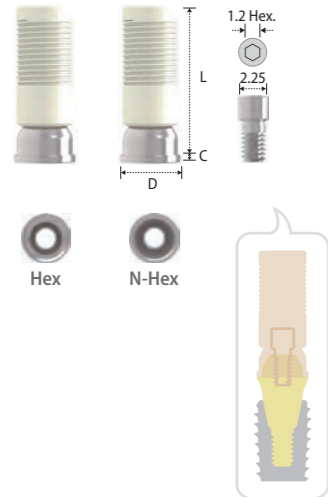
Multi Titanium Cylinder



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
Cuff	0.5	2STCH45	2STCH55	2STCN45
			2STCN45	2STCN55

- > 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.

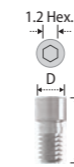
Multi Meta G UCLA Cylinder



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
Cuff	0.5	2SCCH45	2SCCH55	2SCCN45
			2SCCN45	2SCCN55

- > 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.

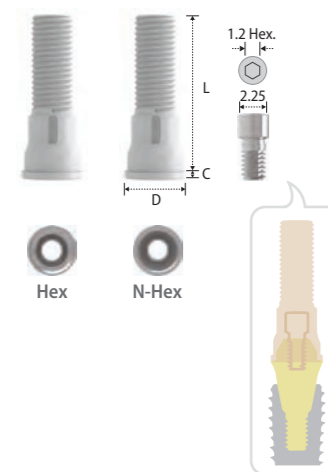
Multi Cylinder Screw



Diameter	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
Cuff	0.5	2SMPH45	2SMPH55	2SMPN45
			2SMPN45	2SMPN55

- > 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



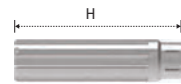
Type	Hex	
Multi S & A Abutment Diameter	Ø4.5	Ø5.5
Diameter	Ø4.5	Ø5.5
Length	2	2
	2SMPP45	2SMPP55

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

Prosthetic Procedure III

Component Selection Guide for Lock Abutment

Multi Holder



S Holder



Height	Type	Hand
20		KMHS01

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



A Holder

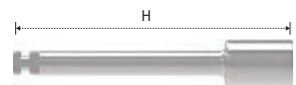
Height	Type	Hand
32		KMHA01

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



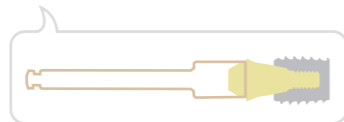
- Connect the Multi A Holder with the Multi A Abutment with its Abutment Screw in it and match the direction of holes of the abutment and the holder.
- Hold the handle of the Multi A Holder and bend it according to the placement position in the oral cavity.
- Connect the assembled body with the fixture.
- Tighten the Multi Abutment with the 1.2 Hex Driver and Torque Wrench.

Multi S Machine Driver

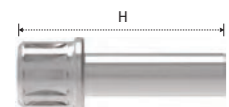


Height	Type	Machine
27.5		KMMSD21L

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

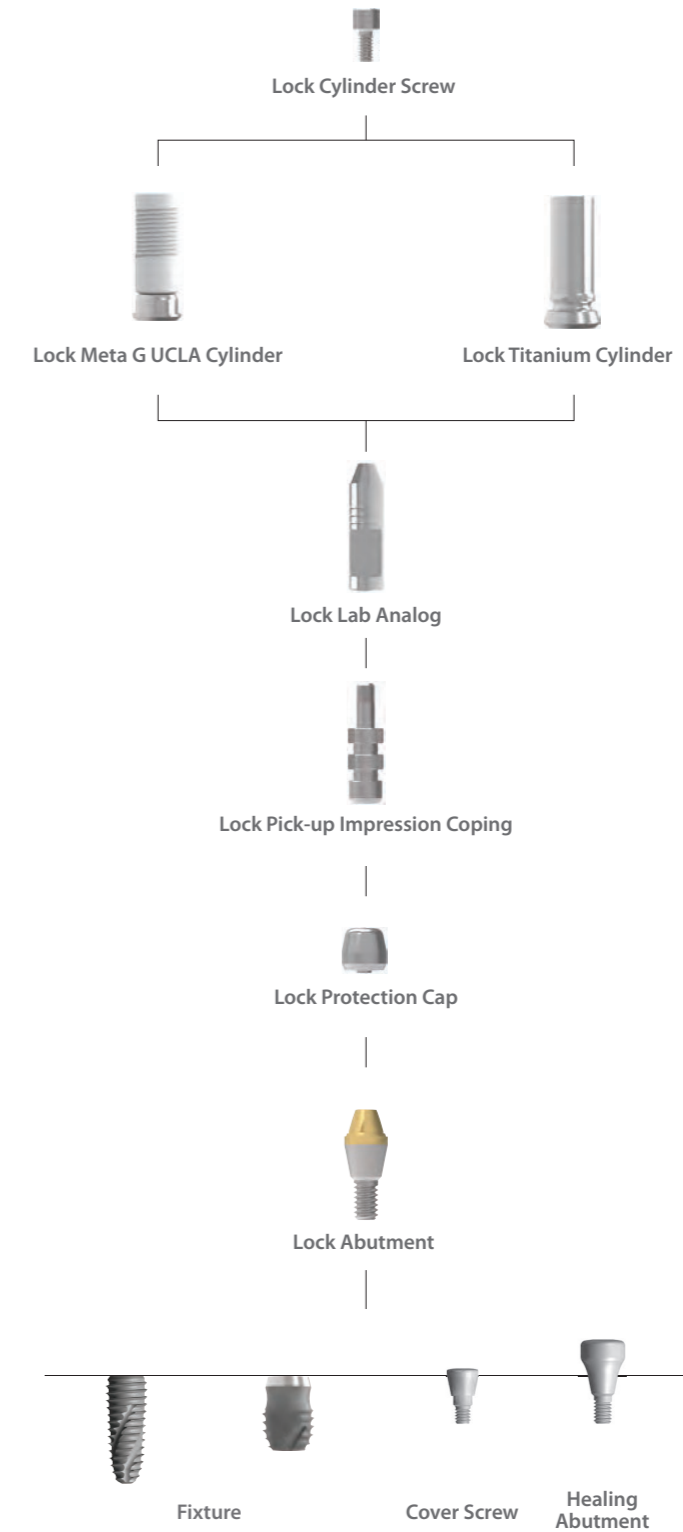
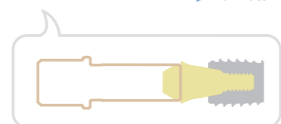


Multi S Ratchet Driver

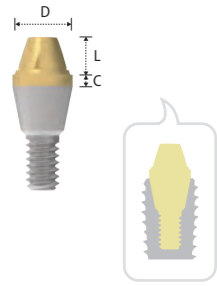


Height	Type	Ratchet
22		KRMSD15L

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



Lock Abutment



<i>Diameter</i>	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



<i>Lock Abutment Diameter</i>	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	2.15
	2SLA45

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

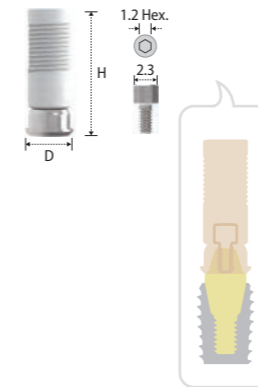
Lock Protection Cap



<i>Lock Abutment Diameter</i>	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	4.3
	2SLP45

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

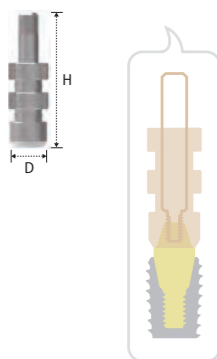
Lock Meta G UCLA Cylinder



<i>Lock Abutment Diameter</i>	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	11.2
	2SLCH45

- > 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.

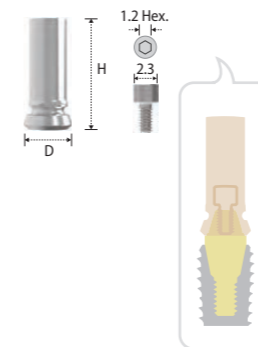
Lock Pick-up Impression Coping



<i>Lock Abutment Diameter</i>	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	16
	2SLIH45

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

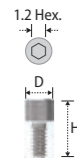
Lock Titanium Cylinder



<i>Lock Abutment Diameter</i>	Ø3.5
<i>Diameter</i>	Ø3.5
<i>Height</i>	10
	2SLTH45

- > 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.

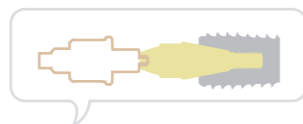
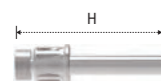
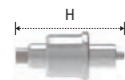
Lock Cylinder Screw



Diameter	Ø2.3
Height	2SLCS200

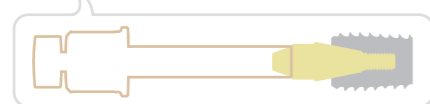
- > Packing unit : 1 Lock Cylinder Screw.
- > Connected with the CCM Cylinder or Titanium Cylinder.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 30 N.cm.

Lock Ratchet Driver



Type	Ratchet
Height	KRLRD18
	KRLRD28

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



Prosthetic Procedure IV

Component Selection Guide for Absolute Abutment



(Crown) (Bridge)
Absolute Plastic Coping



Absolute Lab Analog



Absolute Impression Cap



Absolute Protection Cap



Absolute Abutment

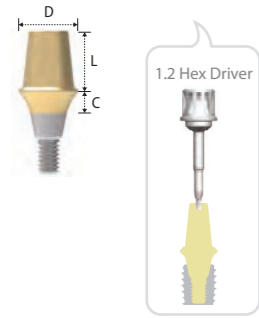


Fixture

Cover Screw

Healing Abutment

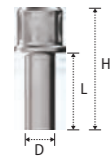
Absolute Abutment



Diameter Length Cuff	Ø4.5			Ø5.5			Ø6.5		
	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

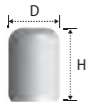
- > Packing unit : 1 Absolute Abutment + 1 Production Cap.
- > For Cement Retained Prosthesis.
- > Cutting surface for anti-rotation of prosthesis.
- > Integrated with the Screw and Abutment.
- > Tightened with the 1.2 Hex Driver / Absolute Ratchet Driver and Torque Wrench.
- > Tightening torque force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

Absolute Ratchet Driver



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

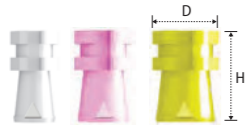
Absolute Protection Cap



Absolute Abutment Diameter Height	Ø4.5		Ø5.5		Ø6.5	
	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 Height	Ø4.5		Ø5.5		Ø6.5	
	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.

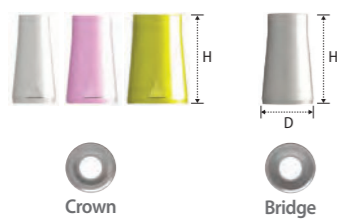
Absolute Lab Analog



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

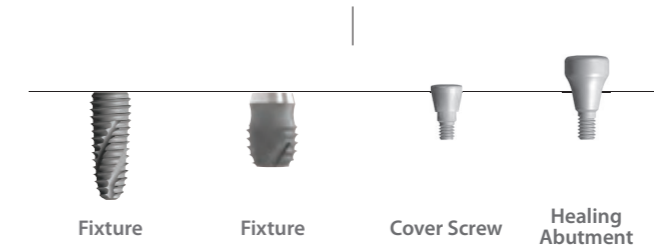
- > Packing unit : 1 Absolute Plastic Coping.
- > Connected with the Lab Analog.
- > Burn out and casting for metal framework.

Prosthetic Procedure V

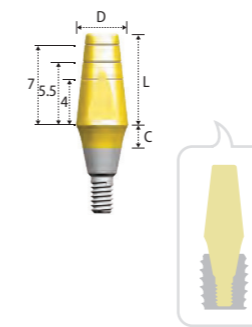
Component Selection Guide for Straight Abutment



Straight Abutment



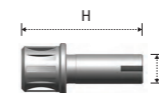
Straight Abutment



Diameter Length Cuff	Ø3.5		Ø4.5	
	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

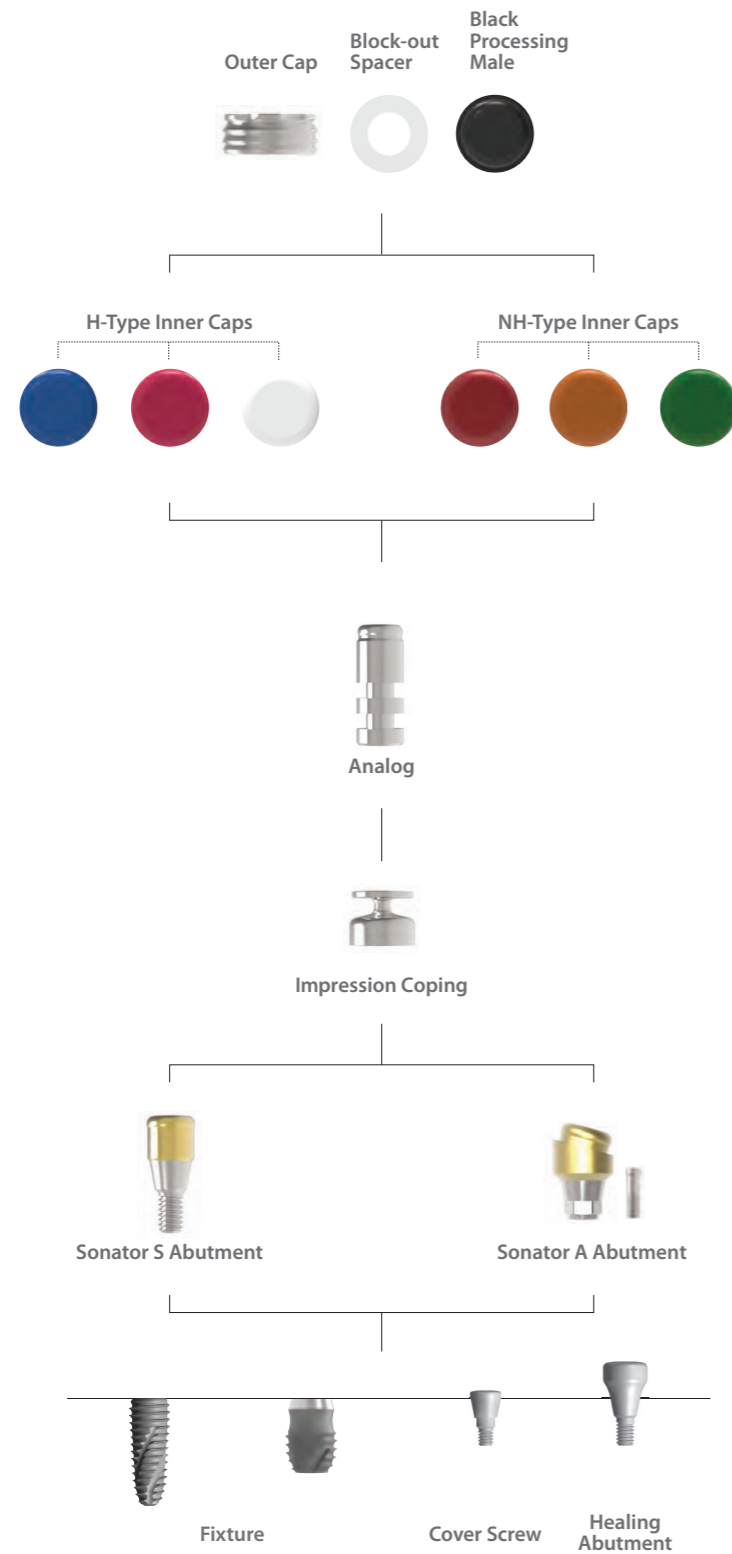


Diameter Height	Ø4.5	
	19	KRR19L

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

Prosthetic Procedure VI

Component Selection Guide for Sonator Abutment



Sonator S Abutment



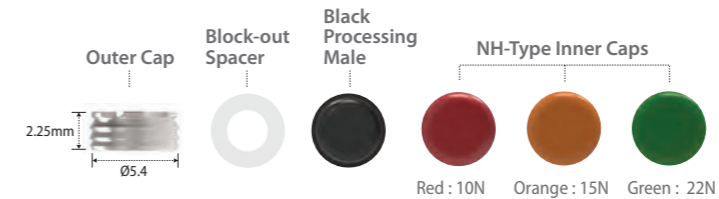
Carrier



Diameter	Ø4.0					
Length	1	2	3	4	5	6
Cuff	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	1.5	3.0
Angle	15°	
Cuff	SONA415	SONA430

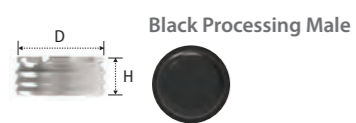
- > Packing unit : 1 Sonator A Abutment + 1 Abutment Screw + 1 Carrier + 3 NH-Type Inner Caps + 1 Outer Cap + 1 Block-out Spacer + 1 Black Processing Male.
- > For Implant Supported Over-denture Prosthesis.
- > Stable with low vertical height.
- > 6 kinds of Inner Caps give various holding force (Both, 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



Diameter	Ø5.4
Height	2.25
SONOC01	

- > Packing unit : 2 Outer Caps and 2 Black Processing Males.
- > Black Processing Male: Inserted and removed with the I&R Driver.

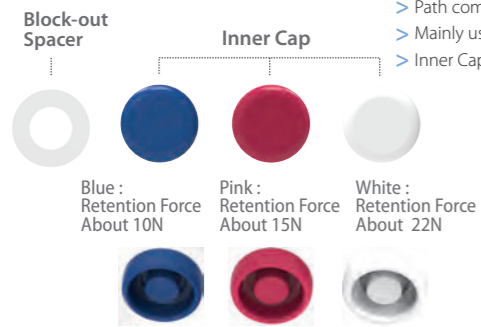
Sonator Lab Analog



Diameter	Ø4
Length	1.4
SONLA04	

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

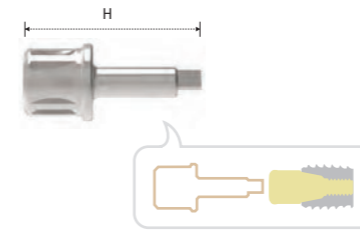
H-Type Inner Cap



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

- > 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.

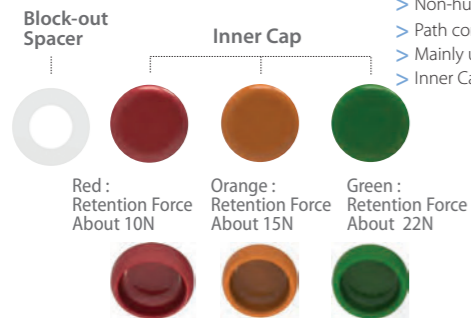
Sonator S Ratchet Driver



Type	Ratchet
Height	18
SONRD19L	

- > Used to tighten and untighten the Sonator S Abutment.

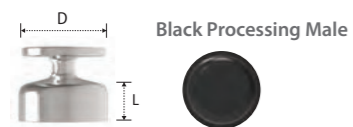
NH-Type Inner Cap



Code	SONIC02
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- > 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.

Sonator Impression Coping

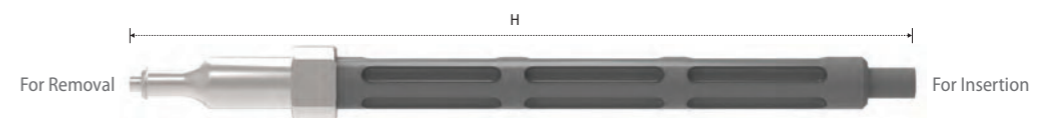


Diameter	Ø4.8
Length	3
SONIP04	

- > 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.

I & R Driver

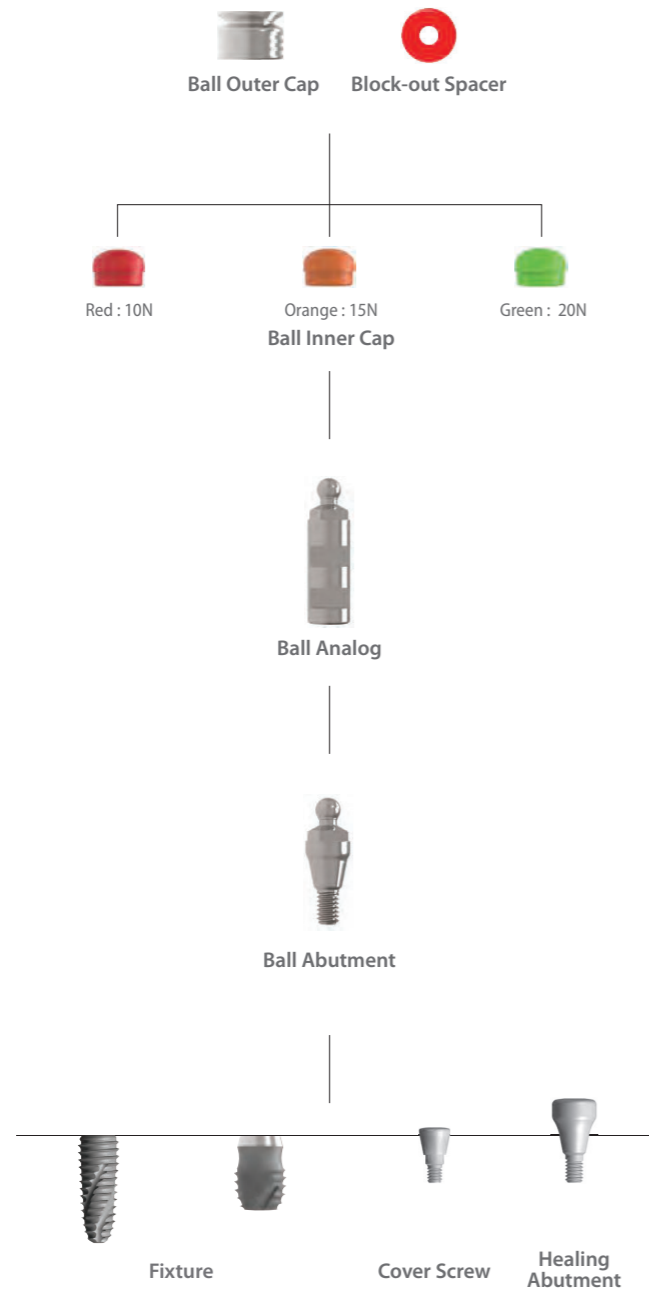
Height	95.4
SONIR002	



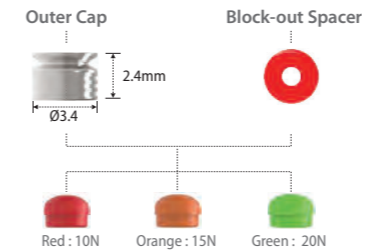
- > Used to insert and remove the Inner Caps and Block Processing Male.

Prosthetic Procedure VII

Component Selection Guide for Ball Abutment



Ball Abutment



Diameter	Ø4.0
Length	4
Cuff	
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.

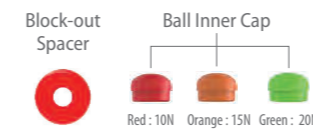
Ball Outer Cap



Diameter	Ø3.4
Height	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.

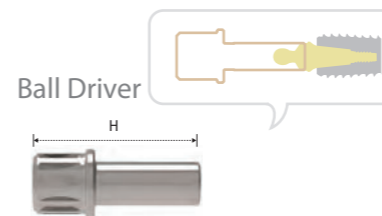
Ball Analog



Diameter	Ø4.0
Length	4
	SBAL400

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

Ball Driver



Height	Type	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 Submerged Implant (Sub. & Sub.-S.)

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