



COWELL® Implant Solution

Help your daily practice superior

Ver.32

COWELL IMPLANT SYSTEM

Help your daily practice superior



INNO Submerged

El implante insignia de Cowellmedi, diseñado para casos variados, incluyendo carga inmediata, implantación inmediata, control de la profundidad de inserción y el uso en zonas como el seno maxilar.



INNO Submerged Narrow

Ideal para crestas alveolares estrechas en la zona anterior, este implante cuenta con rosca de doble conicidad que, mediante acción de cuña, proporciona una mayor estabilidad primaria.

**COWELL®
IMPLANT
SYSTEM**



INNO X / V

Un implante innovador de Cowellmedi, diseñado con una exclusiva rosca trapezoidal y una rosca corporal ancha y profunda, que garantiza una excelente fijación inicial y estabilidad en todo tipo de huesos, optimizado para implantación inmediata y diversos casos clínicos.

COWELL IMPLANT SYSTEM

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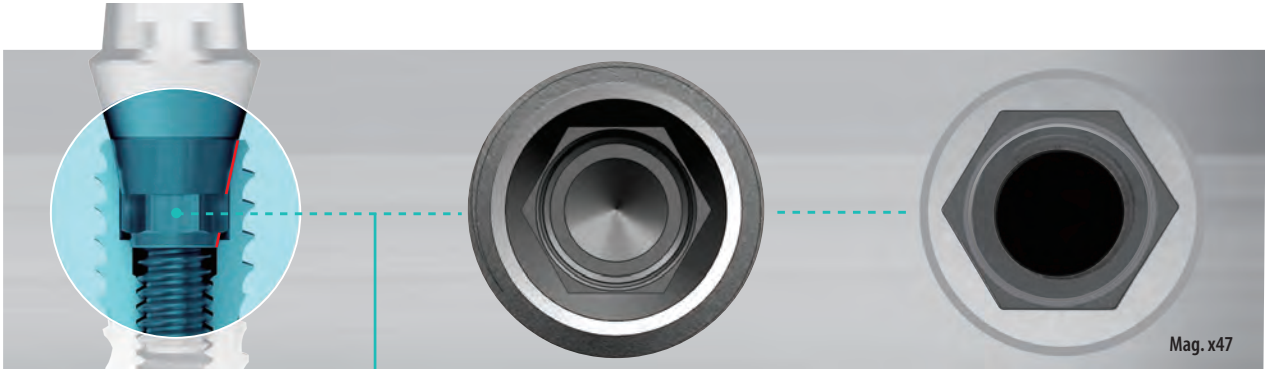


INNO Submerged Short

Diseñado para restaurar casos con severa reabsorción ósea en áreas como los molares mandibulares, presenta una rosca superior ancha y profunda que previene la compresión del hueso cortical.

COWELL Implant System

INNO Implant Design



Tapered Hex Connection with Double Contacts

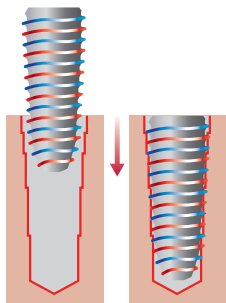
- > Allows for an ideal cold welding between the fixture and abutment.
- > Prevents micro-sinking of the abutment.
- > Minimizes micromovement and distribute stress against loading.

Wide and Deep Upper Threads

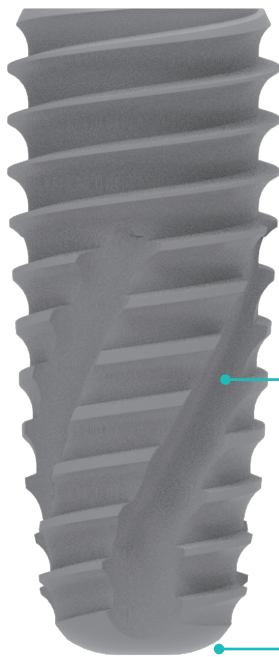
- > Prevent the compressive necrosis of the cortical bone.
- > Minimize the need for countersink drills.
- > Increase the mechanical strength by reinforcing the thickness.

Double Tapered Threads

- > Ensure initial stability even in areas with poor bone quality or alveolar socket.
- > Allow the fixture inserted more than half its length into the drilled hole to be placed in only 2 to 4 turns.
- > Achieve higher primary stability with wedge action, even with an additional half turn.



Shortens the placement time with 5mm or more of already entered depth as well as double thread.



Platform Neck

- > Enables stable engraftment of the periosteum at the interface between bone and implant.

Open Threads

- > Allow the fixture to be placed deeper without additional drilling.

4 spiral round cutting edges

- > Maximize the efficiency of self-tapping with sharp edges.
- > Allow for smooth placement of the fixture but provide higher initial stability (see test table below).

Concave Apex Threads with Sharp Cutting Edges

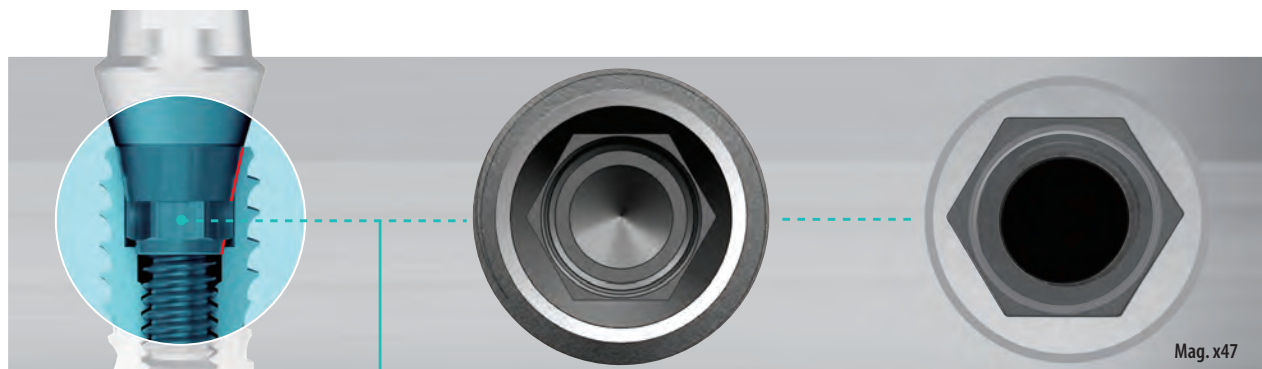
- > Prevent Schneiderian membrane from being ripped.
- > Enhance initial stability of the fixture in extraction sockets.



※ Comparison of the average placement torque force of 4 different fixtures (4pcs each) with dimensions of Ø4.5X10mm in 5.0 and 5.5mm deep holes of type 2 bone quality test block.

Classification	INNO	A	B	C
Depth:5.0mm	28629Ncm	29923Ncm	28689Ncm	28894Ncm
Depth 5.5mm	44.0 Ncm	38.0 Ncm	34.4 Ncm	38.5 Ncm

INNO X Implant Design



Tapered Hex Connection with Double Contacts

- > Allows for an ideal cold welding between the fixture and abutment.
- > Prevents micro-sinking of the abutment.
- > Minimizes micromovement and distribute stress against loading.

Wide and Deep Upper Threads

- > Prevent the compressive necrosis of the cortical bone.
- > Minimize the need for countersink drills.
- > Increase the mechanical strength by reinforcing the thickness.

Double Tapered Threads

- > Ensure initial stability even in areas with poor bone quality or alveolar socket.
- > Allow the fixture inserted more than half its length into the drilled hole to be placed in only 2 to 4 turns.
- > Achieve higher primary stability with wedge action, even with an additional half turn.

2 Spiral Round Cutting Edges

- > Maximizes self-tapping efficiency with sharp edges.
- > Ideal cutting-edge pocket design accommodates bone chips effectively.

Platform Neck

- > Enables stable engraftment of the periosteum at the interface between bone and implant.
- > Prevents inflammation around the implant.
- > Reduces stress on crestal bone, minimizing crestal bone loss.

Open Threads

- > Allow the fixture to be placed deeper without additional drilling.

Wide & Deep Body Thread

- > Deep and wide threads (0.9 pitch) increase the functional surface area at the bone-implant interface, enhancing primary stability in low-density bone or high occlusal load areas.

2 Flat Cutting Edge

- > Minimizes pressure on the gingival bone and improves self-tapping ability.

Flat Apex Thread

- > Provides initial fixation at the lower drill end.
- > Suitable for immediate placement in extraction sockets.
- > Facilitates favorable stress distribution to surrounding bone.

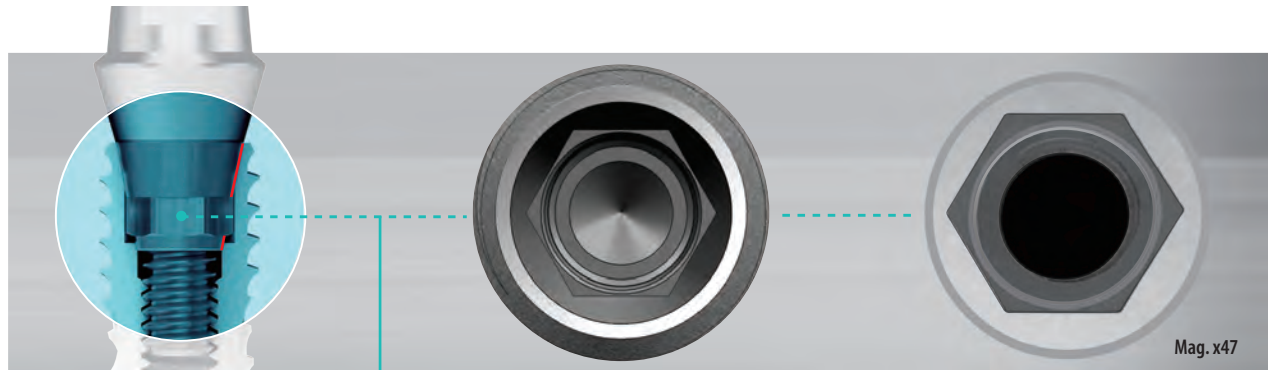


- > 2 Spiral Round Cutting Edges
- > 2 Flat Cutting Edge

Trapezoid Buttress thread

- > A unique design by Cowellmedi combining a basic trapezoid shape with a reverse buttress structure, ensuring optimal primary fixation in any bone quality from D1 to D4. Minimizes bone compression from compressive force and provides excellent stress distribution.

INNO V Implant Design



Tapered Hex Connection with Double Contacts

- > Allows for an ideal cold welding between the fixture and abutment.
- > Prevents micro-sinking of the abutment.
- > Minimizes micromovement and distribute stress against loading.

Wide and Deep Upper Threads

- > Prevent the compressive necrosis of the cortical bone.
- > Minimize the need for countersink drills.
- > Increase the mechanical strength by reinforcing the thickness.

Double Tapered Threads

- > Ensure initial stability even in areas with poor bone quality or alveolar socket.
- > Allow the fixture inserted more than half its length into the drilled hole to be placed in only 2 to 4 turns.
- > Achieve higher primary stability with wedge action, even with an additional half turn.

2 Spiral Round Cutting Edges

- > Maximizes self-tapping efficiency with sharp edges.
- > Ideal cutting-edge pocket design accommodates bone chips effectively.

Platform Neck

- > Enables stable engraftment of the periosteum at the interface between bone and implant.
- > Prevents inflammation around the implant.
- > The platform switching effect created by the three reduces stress on crestal bone, minimizing crestal bone loss.

Open Threads

- > Allow the fixture to be placed deeper without additional drilling.

Wide & Deep Body Thread

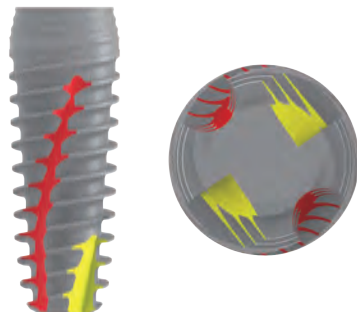
- > Deep and wide threads (0.9 pitch) increase the functional surface area at the bone-implant interface, enhancing primary stability in low-density bone or high occlusal load areas.

2 Flat Cutting Edge

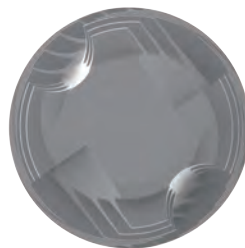
- > Minimizes pressure on the gingival bone and improves self-tapping ability.

Flat Apex Thread

- > Provides initial fixation at the lower drill end.
- > Suitable for immediate placement in extraction sockets.
- > Facilitates favorable stress distribution to surrounding bone.



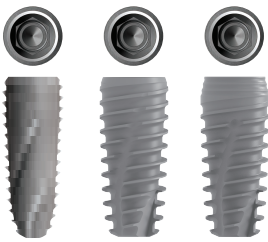




- > 2 Spiral Round Cutting Edges
- > 2 Flat Cutting Edge



Trapezoid Buttress thread

- > A unique design by Cowellmedi combining a basic trapezoid shape with a reverse buttress structure, ensuring optimal primary fixation in any bone quality from D1 to D4. Minimizes bone compression from compressive force and provides excellent stress distribution.

Advantageous design for all clinical cases such as immediate implant placement and loading, implant placement & immediate loading, implant depth adjustment, maxillary sinus, and etc.

Fixture type	Submerged (Sub.)			Submerged Short (Sub.)	Submerged Narrow (Sub-N.)	Internal (Int.)	External (Ext.)
Fixture Design							
	<div>INNO</div> <div>INNO X</div> <div>INNO V</div>						
Connection	<div>SUB. HEXAGON SYSTEM</div>				<div>SUB-N. HEXAGON SYSTEM</div>	<div>INT. OCTAGON SYSTEM</div>	<div>EXT. HEXAGON SYSTEM</div>

Simpler, Speedier, and Safer Surgical Kits

Providing dedicated kits for different types of fixtures.



All in One Drill: Minimal drilling frequency with Initial and Final Drill

Chair time for implantation is shortened because the fixture can be implanted with just three times of drilling for general bone quality (Fixture Ø3.5 to 4.5).



Abutment Prosthetic Protocol

> For digital procedure, refer to the COWELL Digital Products (Refer to the page 166 to 187).

1. Fixture Level Impression - Prosthesis Fabrication

* Two Piece Screw Retained Abutment

Submerged & Submerged Short : Temporary | Easy Temporary

External : Temporary

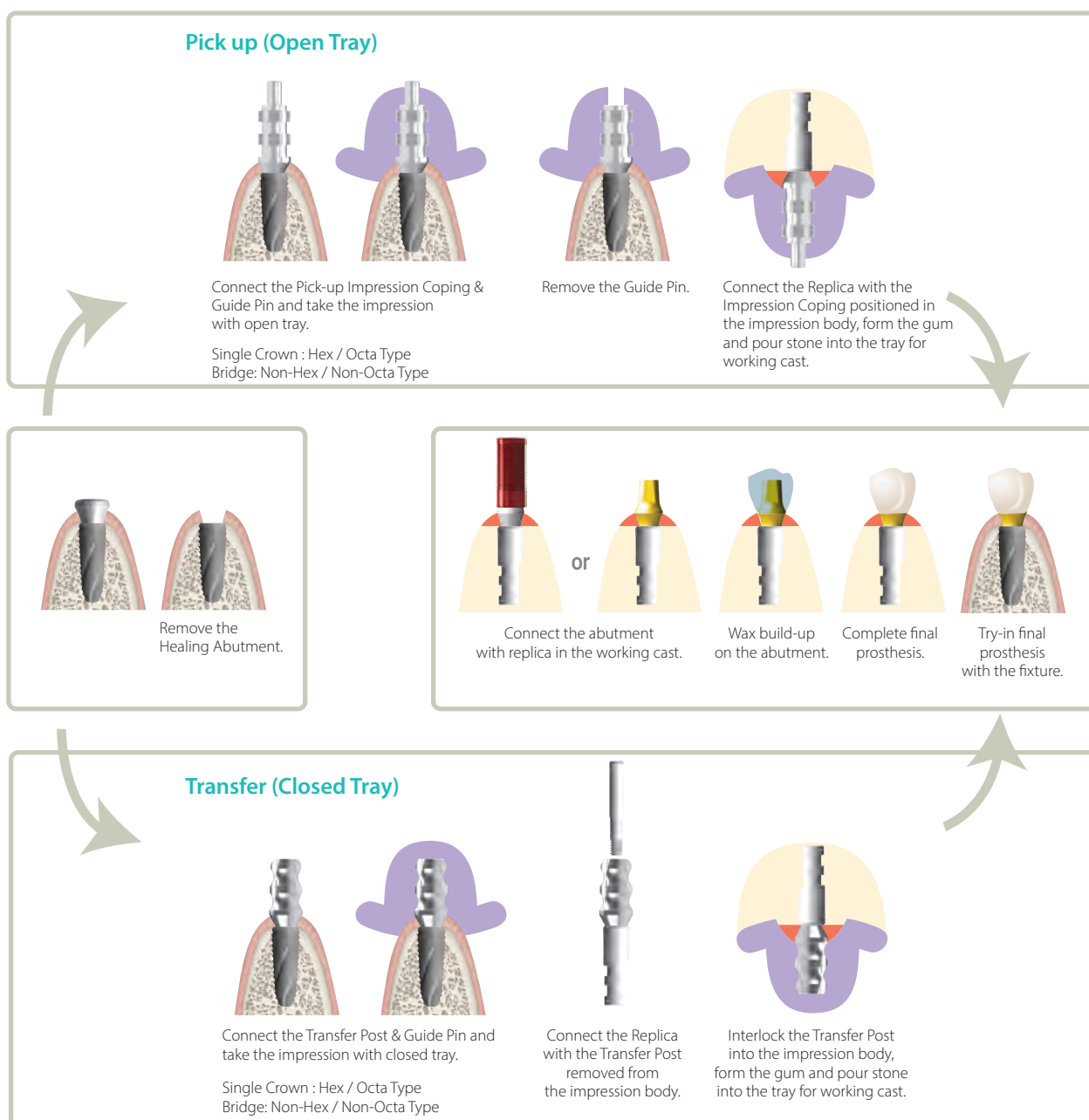
* Two Piece Screw-Cement Retained / Cement Retained Abutment

Submerged & Submerged Short : Cemented | Angulated | Beauty-up | Milling | Meta G UCLA | Plastic UCLA
Hybrid S | Hybrid L | Hybrid A | Ti-Block

Submerged Narrow : Cemented | Angulated | Temporary | Meta G UCLA | Hybrid S | Hybrid L | Hybrid A

Internal : Cemented | Angulated | Meta G UCLA | Hybrid S | Hybrid L

External : Cemented | Angulated | Temporary | Meta G UCLA | Plastic Sleeve



2. Abutment Level Impression - Prosthesis Fabrication

* Two / One Piece Screw Retained Abutment

Submerged & Submerged Short : Multi S | Multi A | Lock

Submerged Narrow : Multi S | Multi A

* One Piece Cemented Retained Abutment

Submerged & Submerged Short : Absolute | Straight (Direct)

Submerged Narrow : Straight

Internal : Solid | Shoulder

External : Shoulder

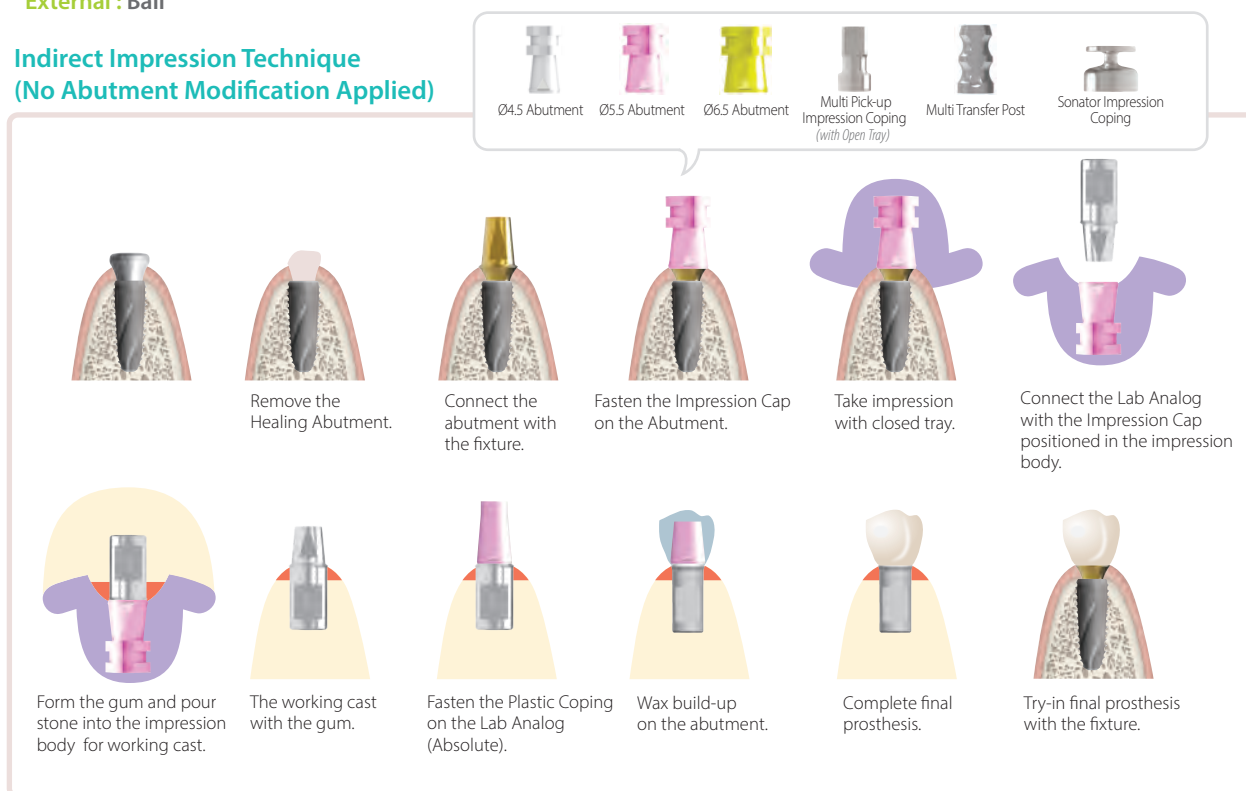
* Two / One Piece Attachment Retained Abutment

Submerged & Submerged Short : Sonator S | Sonator A | Ball

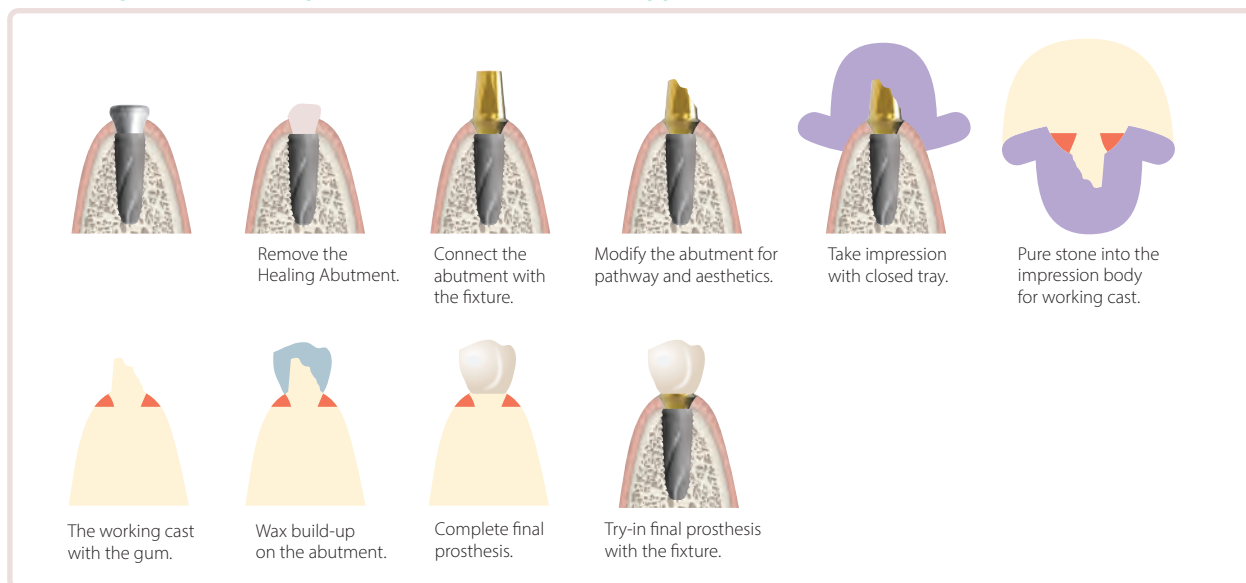
Internal : Sonator S | Ball

External : Ball

Indirect Impression Technique (No Abutment Modification Applied)











Direct Impression Technique (Abutment Modification Applied)



INNO SUBMERGED IMPLANT (Sub.)

System Flow

Fixture	Abutment						
<div><div><div>Hex 2.5</div><div></div></div><div><div>Length 7 ~ 18mm</div><div></div></div><div><div>Diameter</div><div>Ø3.5 (3.7)</div><div>Ø4.0 (4.0)</div><div>Ø4.5 (4.6)</div><div>Ø5.0 (5.1)</div><div>Ø6.0</div></div><div><div>Hex 2.5</div><div></div></div><div><div>Length 7 ~ 18mm</div><div></div></div><div><div>Diameter</div><div>Ø3.5 (3.7)</div><div>Ø4.0 (4.0)</div><div>Ø4.5 (4.6)</div><div>Ø5.0 (5.1)</div><div>Ø6.0</div></div><div><div>Hex 2.5</div><div></div></div><div><div>Length 7 ~ 18mm</div><div></div></div><div><div>Diameter</div><div>Ø3.5 (3.7)</div><div>Ø4.0 (4.0)</div><div>Ø4.5 (4.6)</div><div>Ø5.0 (5.1)</div><div>Ø6.0</div></div><div><div>Hex 2.5</div><div></div></div><div><div>Length 7 ~ 18mm</div><div></div></div><div><div>Diameter</div><div>Ø3.5 (3.7)</div><div>Ø4.0 (4.0)</div><div>Ø4.5 (4.6)</div><div>Ø5.0 (5.1)</div><div>Ø6.0</div></div><div><div>Hex 2.5</div><div></div></div><div><div>Length 7 ~ 18mm</div><div></div></div><div><div>Diameter</div><div>Ø3.5 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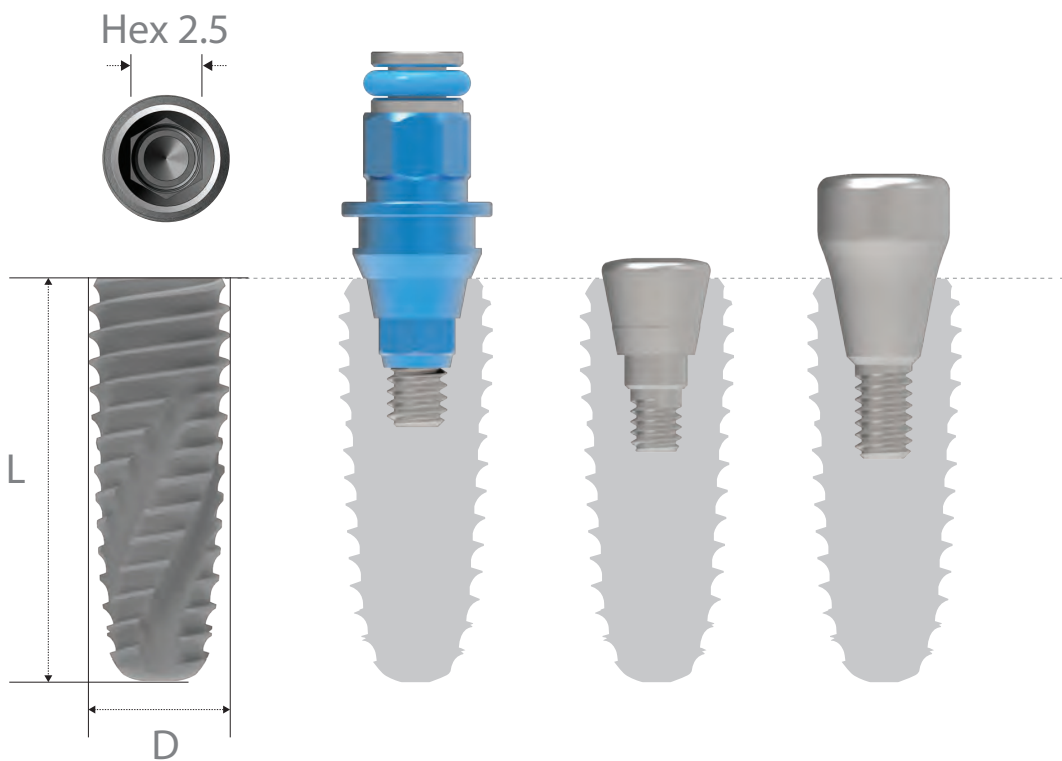
		COWELLMEDI HISTORY
		REID
Abutment Level Impression	<div>Impression</div> <div>     </div> <div> <div>Replica</div> <div>Bite Impression Coping</div> <div>Pick-up Impression Coping</div> <div>Transfer Post</div> </div>	COWELL IMPLANT SYSTEM
	<div>     </div> <div> <div>Multi Protection Cap</div> <div>Multi Pick-up Impression Coping</div> <div>Multi Transfer Post</div> <div>Multi Lab Analog</div> </div>	COWELL DIGITAL PRODUCTS
	<div>     </div> <div> <div>Absolute Protection Cap</div> <div>Absolute Impression Cap</div> <div>Absolute Lab Analog</div> <div>Absolute Plastic Coping</div> </div>	
	<div>Direct Impression</div>	
	<div>   </div> <div> <div>Sonator Impression Coping</div> <div>Sonator Lab Analog</div> </div>	COWELL EXPERT KITS
	<div>  </div> <div> <div>Ball Analog</div> </div>	COWELL REGENERATIVE SOLUTION
INNO-SUBMERGED IMPLANT 012		

INNO Submerged Implant



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

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



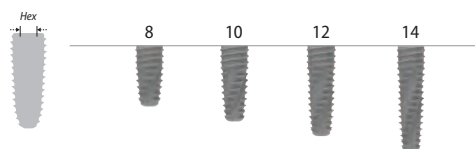
INNO Fixture Code

S Type Submerged	T body Taper	40 Diameter Ø 4.0	10 Length 10mm	S Surface Treatment SLA	M Mount No-Mount	* Ex.) SLA No-Mount	ST4010SM
S Type Submerged	T body Taper	40 Diameter Ø 4.0	10 Length 10mm	S Surface Treatment SLA	<div></div> Mount Pre-Mount	* Ex.) SLA Pre-Mount	ST4010S

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

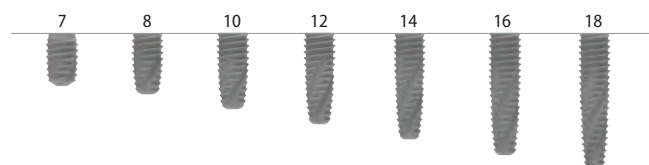
Diameter
(Actual Size) **Ø3.5 (Ø3.7)**
Length

7	-
8	ST3508SM
10	ST3510SM
12	ST3512SM
14	ST3514SM



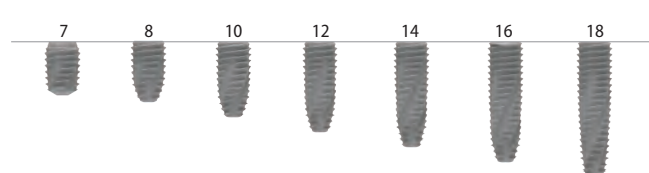
Diameter
(Actual Size) **Ø4.0 (Ø4.2)**
Length

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



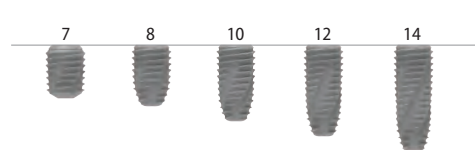
Diameter
(Actual Size) **Ø4.5 (Ø4.6)**
Length

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



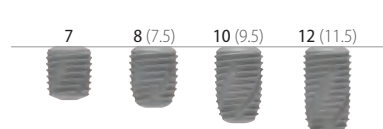
Diameter
(Actual Size) **Ø5.0 (Ø5.1)**
Length

7	ST5007SM
8	ST5008SM
10	ST5010SM
12	ST5012SM
14	ST5014SM



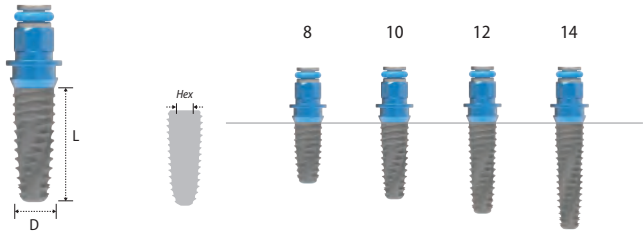
Diameter
Length
(Actual Size) **Ø6.0**

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

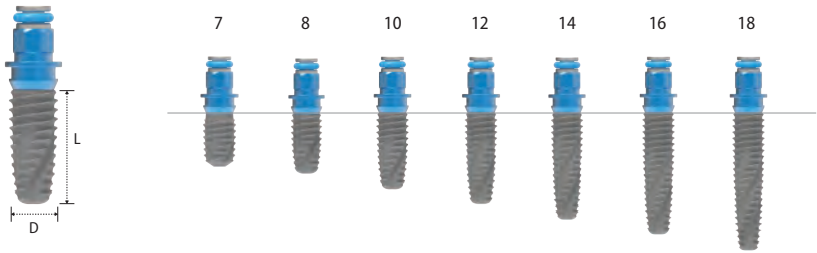


Pre-Mount > Packing unit: 1 Fixture + 1 Cover Screw + 1 Mount.

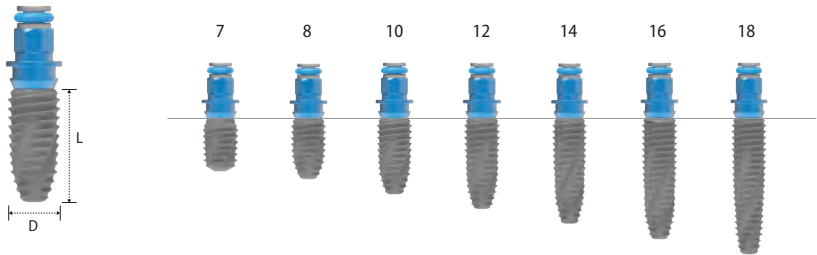
Diameter (Actual Size)	Ø3.5 (Ø3.7)
Length	
7	-
8	ST3508S
10	ST3510S
12	ST3512S
14	ST3514S



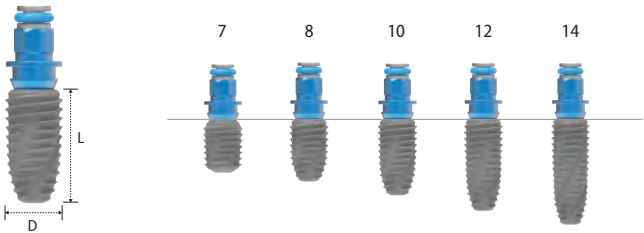
Diameter (Actual Size)	Ø4.0 (Ø4.2)
Length	
7	ST4007S
8	ST4008S
10	ST4010S
12	ST4012S
14	ST4014S
16	ST4016S
18	ST4018S



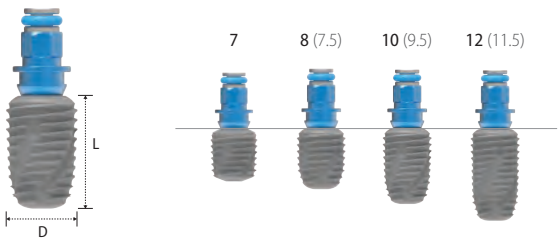
Diameter (Actual Size)	Ø4.5 (Ø4.6)
Length	
7	ST4507S
8	ST4508S
10	ST4510S
12	ST4512S
14	ST4514S
16	ST4516S
18	ST4518S



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



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

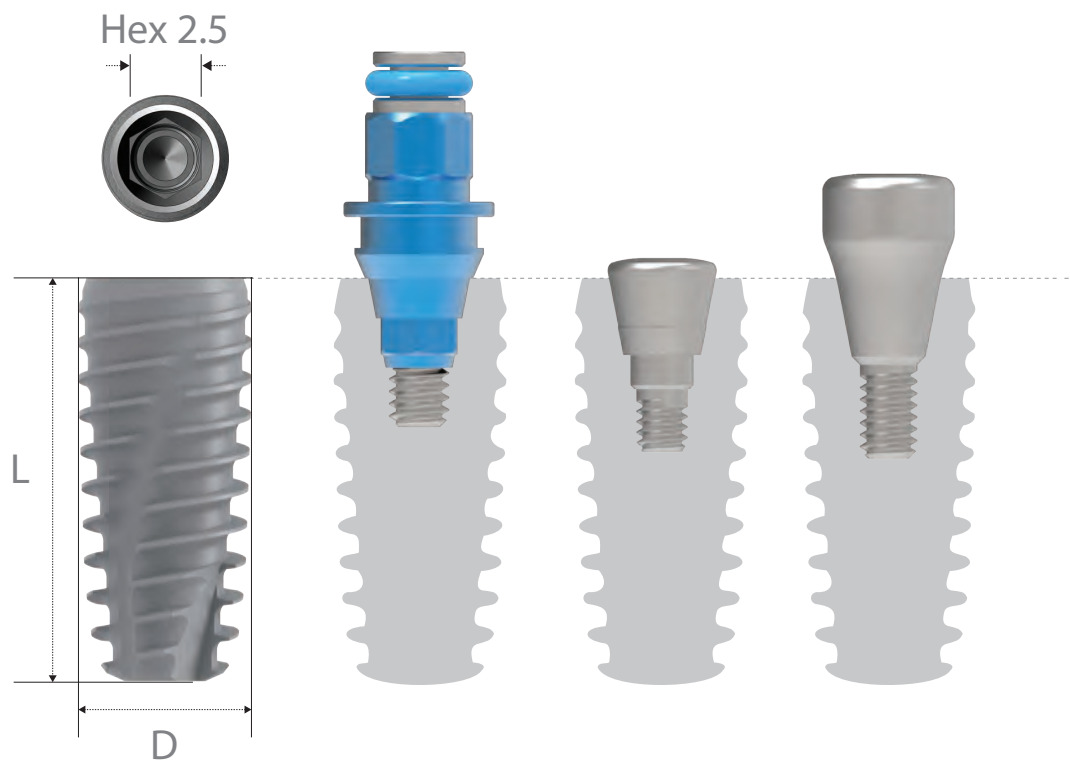


INNO X Implant



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

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



INNO Fixture Code

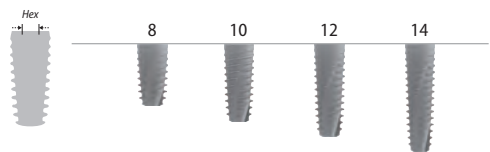
2	S	T	40	10	S	M	* Ex.)
Type	Type	body	Diameter	Length	Surface Treatment	Mount	SLA No-Mount
X	Submerged	Taper	Ø4.0	10mm	SLA	No-Mount	2ST4010SM

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

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

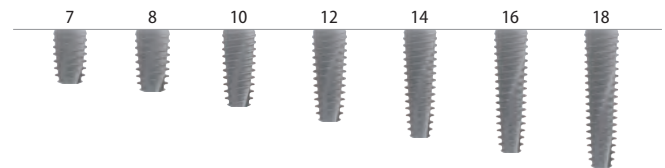
Diameter
(Actual Size) **Ø3.5 (Ø3.7)**
Length

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



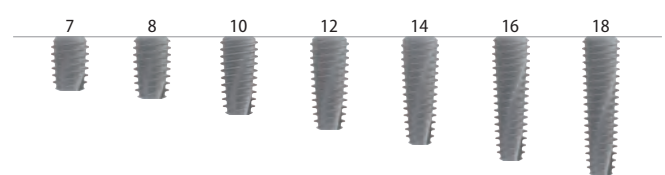
Diameter
(Actual Size) **Ø4.0 (Ø4.2)**
Length

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



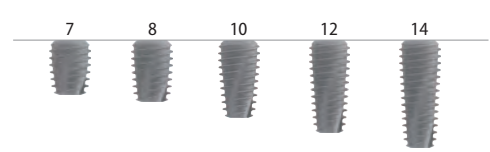
Diameter
(Actual Size) **Ø4.5 (Ø4.6)**
Length

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



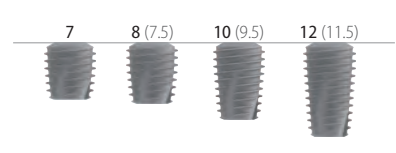
Diameter
(Actual Size) **Ø5.0 (Ø5.1)**
Length

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



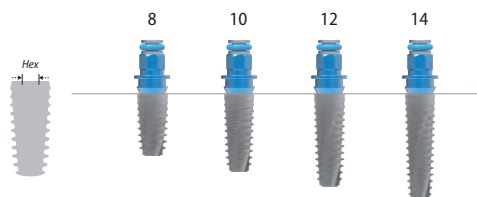
Diameter
Length
(Actual Size) **Ø6.0**

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

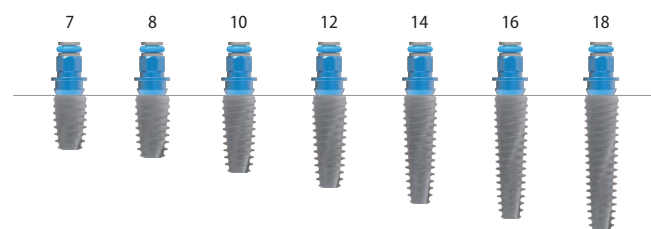


Pre-Mount > Packing unit: 1 Fixture + 1 Cover Screw + 1 Mount.

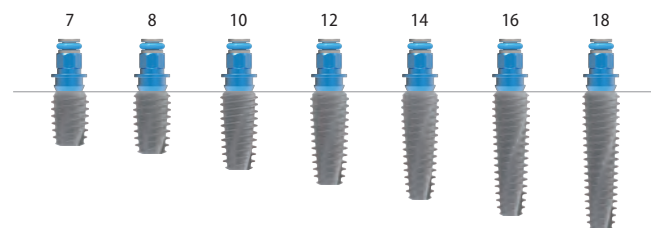
Diameter (Actual Size)	Length
Ø3.5 (Ø3.7)	
7	-
8	2ST3508S
10	2ST3510S
12	2ST3512S
14	2ST3514S



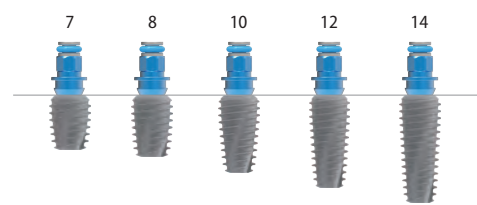
Diameter (Actual Size)	Length
Ø4.0 (Ø4.2)	
7	2ST4007S
8	2ST4008S
10	2ST4010S
12	2ST4012S
14	2ST4014S
16	2ST4016S
18	2ST4018S



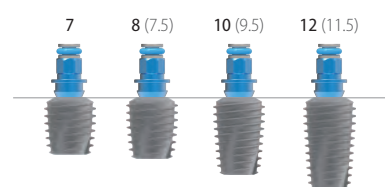
Diameter (Actual Size)	Length
Ø4.5 (Ø4.6)	
7	2ST4507S
8	2ST4508S
10	2ST4510S
12	2ST4512S
14	2ST4514S
16	2ST4516S
18	2ST4518S



Diameter (Actual Size)	Length
Ø5.0 (Ø5.1)	
7	2ST5007S
8	2ST5008S
10	2ST5010S
12	2ST5012S
14	2ST5014S



Diameter (Actual Size)	Length
Ø6.0	
7	2ST6007S
8 (7.5)	2ST6008S
10 (9.5)	2ST6010S
12 (11.5)	2ST6012S
14	-

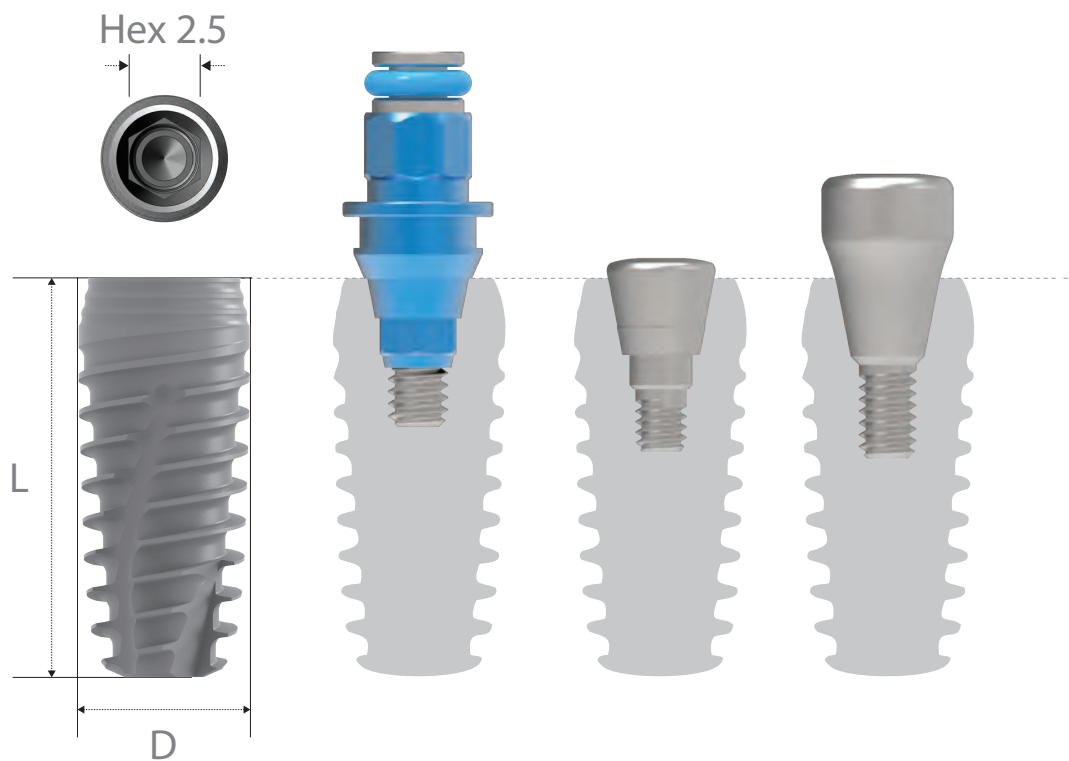


INNO V Implant



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

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



INNO Fixture Code

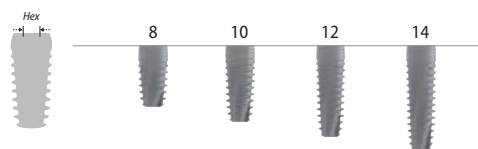
I2	S	T	40	10	S	M	* Ex.)
Type	Type	body	Diameter	Length	Surface Treatment	Mount	SLA No-Mount
V	Submerged	Taper	Ø4.0	10mm	SLA	No-Mount	I2ST4010SM

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

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

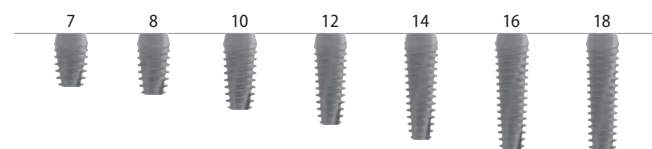
Diameter
(Actual Size) **Ø3.5 (Ø3.7)**
Length

7	-
8	I2ST3508SM
10	I2ST3510SM
12	I2ST3512SM
14	I2ST3514SM



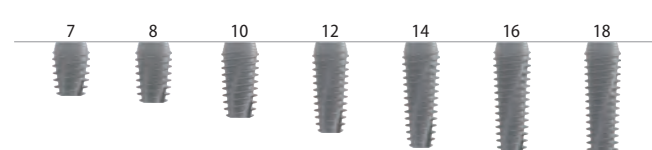
Diameter
(Actual Size) **Ø4.0 (Ø4.2)**
Length

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



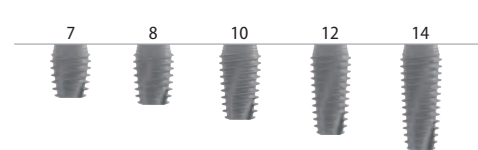
Diameter
(Actual Size) **Ø4.5 (Ø4.6)**
Length

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



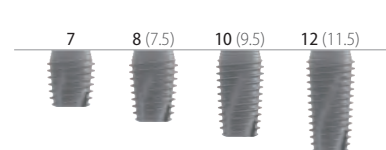
Diameter
(Actual Size) **Ø5.0 (Ø5.1)**
Length

7	I2ST5007SM
8	I2ST5008SM
10	I2ST5010SM
12	I2ST5012SM
14	I2ST5014SM



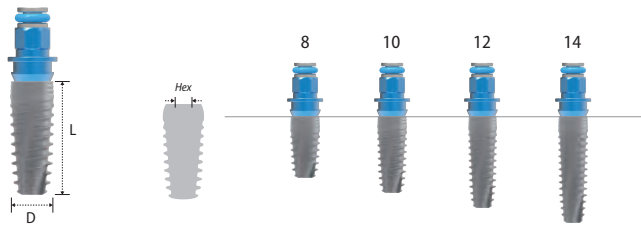
Diameter
(Actual Size) **Ø6.0**
Length

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

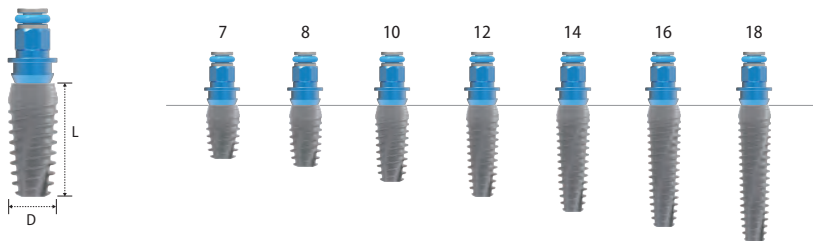


Pre-Mount > Packing unit: 1 Fixture + 1 Cover Screw + 1 Mount.

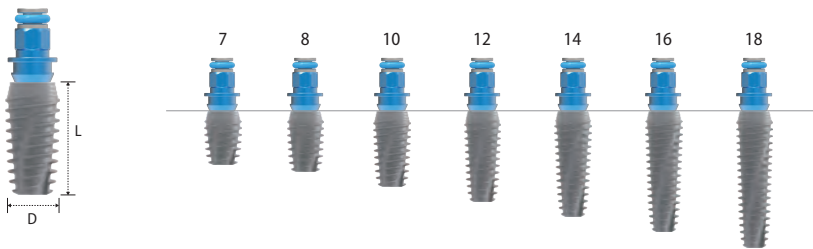
Diameter (Actual Size)	
Ø3.5 (Ø3.7)	
Length	
7	-
8	I2ST3508S
10	I2ST3510S
12	I2ST3512S
14	I2ST3514S



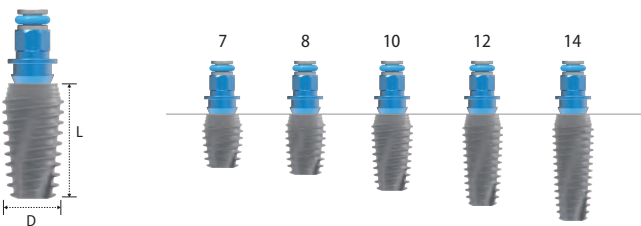
Diameter (Actual Size)	
Ø4.0 (Ø4.2)	
Length	
7	I2ST4007S
8	I2ST4008S
10	I2ST4010S
12	I2ST4012S
14	I2ST4014S
16	I2ST4016S
18	I2ST4018S



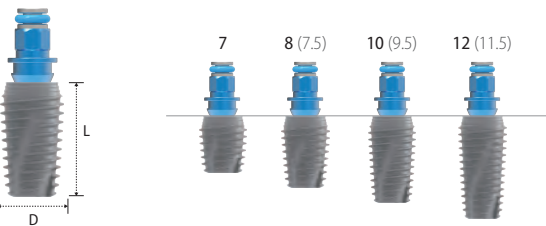
Diameter (Actual Size)	
Ø4.5 (Ø4.6)	
Length	
7	I2ST4507S
8	I2ST4508S
10	I2ST4510S
12	I2ST4512S
14	I2ST4514S
16	I2ST4516S
18	I2ST4518S



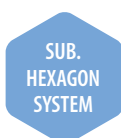
Diameter (Actual Size)	
Ø5.0 (Ø5.1)	
Length	
7	I2ST5007S
8	I2ST5008S
10	I2ST5010S
12	I2ST5012S
14	I2ST5014S



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

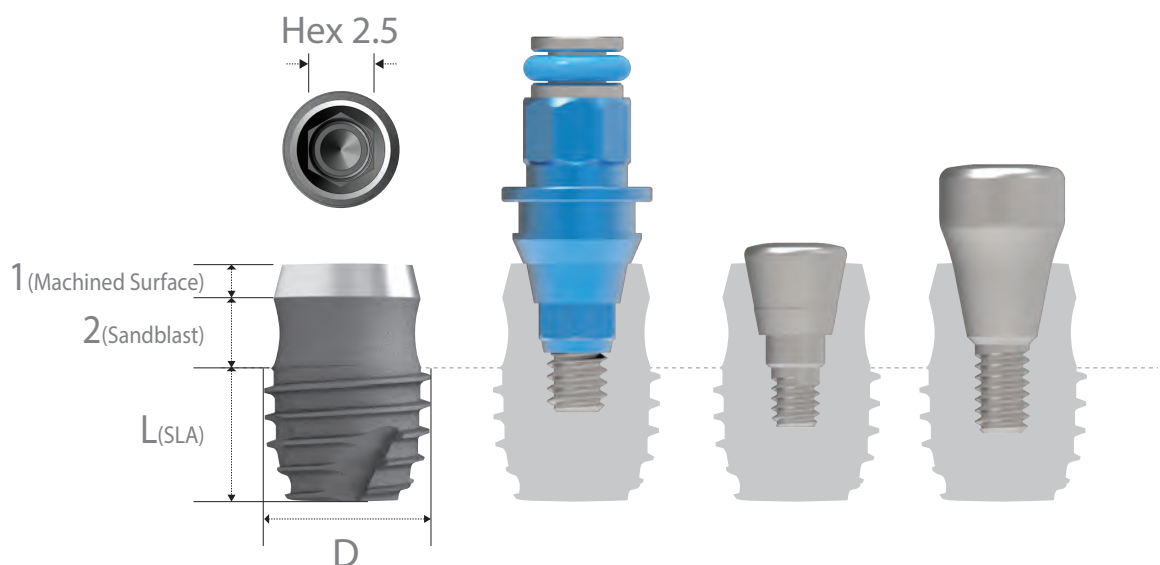


INNO Submerged Short Implant

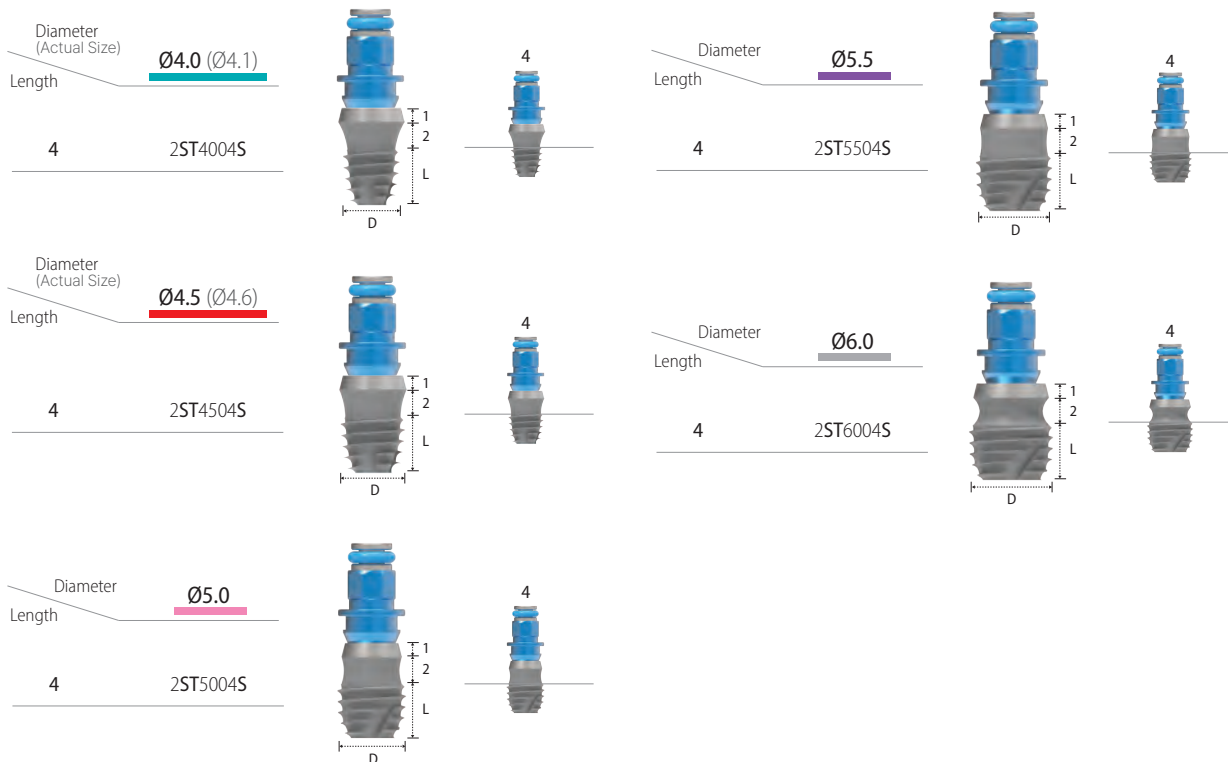


Submerged Short Fixture Surface Treatment: **SLA-SH**

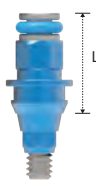
- > Interchangeable with Hexagonal Morse Tapered Fixture.
- > Internal hex connection (Taper 11° Hex 2.5).



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



Fixture Mount



Length	5.4
2SMHR001	

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

Cover Screw

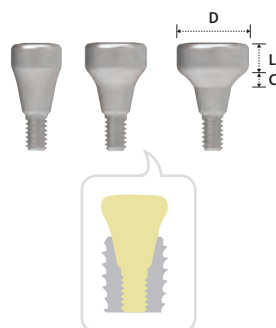


<div>Diameter</div> <div>Length</div>	Ø3.35	Ø3.75	Ø4.15
3	2SCS000		
4.2		* 2SCS001	
5.2			* 2SCS002

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

*Extra Product

Healing Abutment

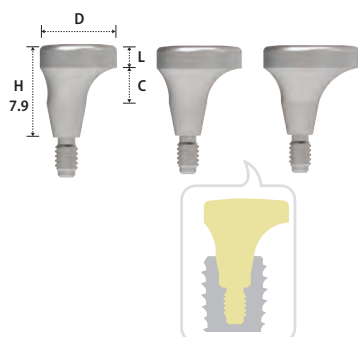


Diameter	Ø4.0		Ø4.5		Ø5.0		Ø5.5	
<div>Length</div> <div>Cuff</div>	1	2	1	2	1	2	1	2
1	2HS4011		2HS4511		2HS5011		2HS5511	
2		2HS4022		2HS4522		2HS5022		2HS5522
3		2HS4032		2HS4532		2HS5032		2HS5532
4		2HS4042		2HS4542		2HS5042		2HS5542
5		2HS4052		2HS4552		2HS5052		2HS5552
6		2HS4062		2HS4562		2HS5062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

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

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

Volume-up Healing Abutment



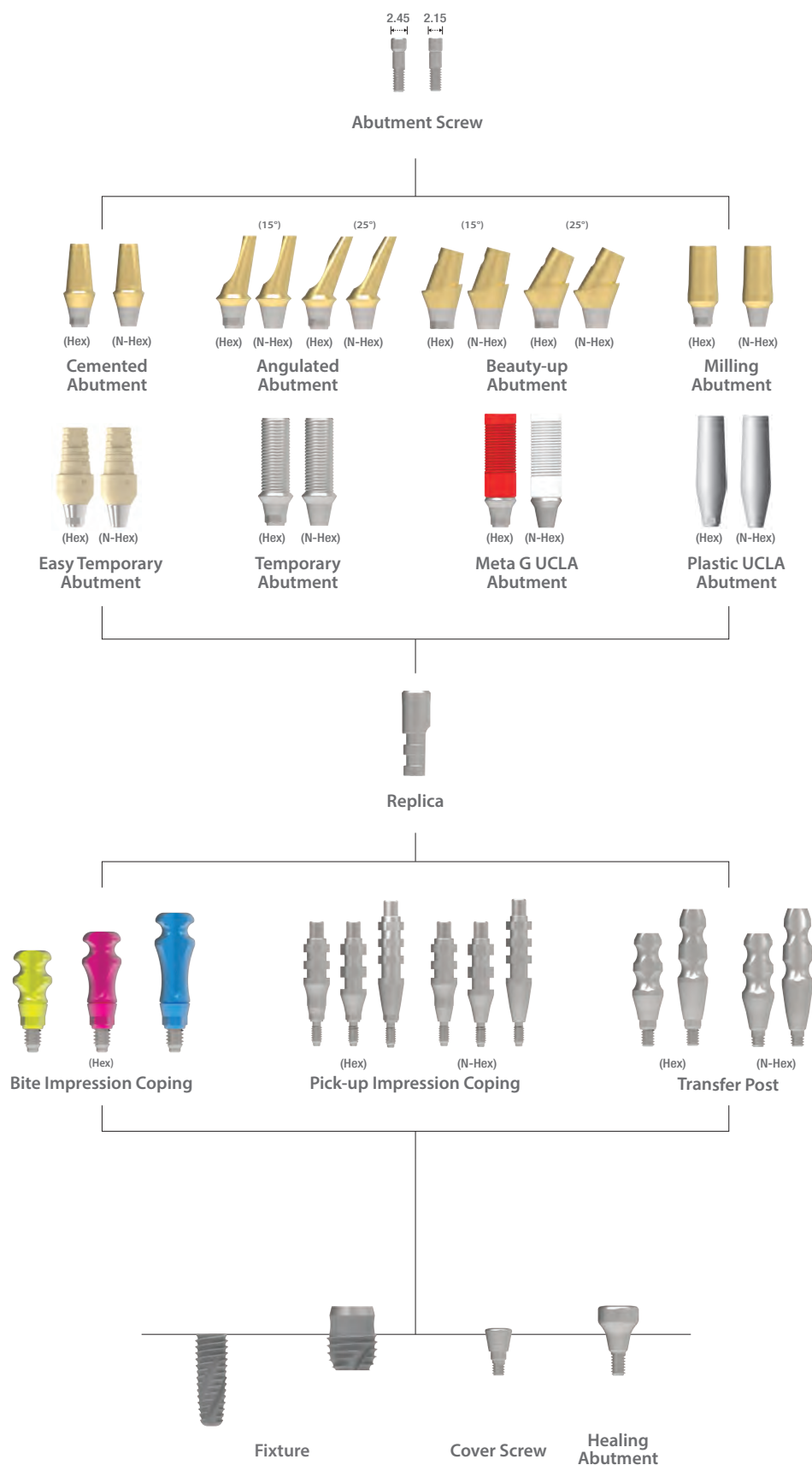
Diameter	Ø6.5	Ø7.5	Ø8.5
<div>Length</div> <div>Cuff</div>	2	2	2
3	VUHN6532	VUHN7532	VUHN8532

- > 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 the abutment according to gingival height and abutment type.
- > Tightened with the Hex Driver.
- > Tightening torque force: 10N.cm.

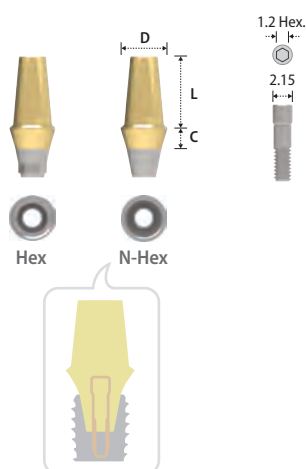


Prosthetic Procedure I

Components Selection Guide for Cemented and UCLA Abutment



Cemented Abutment

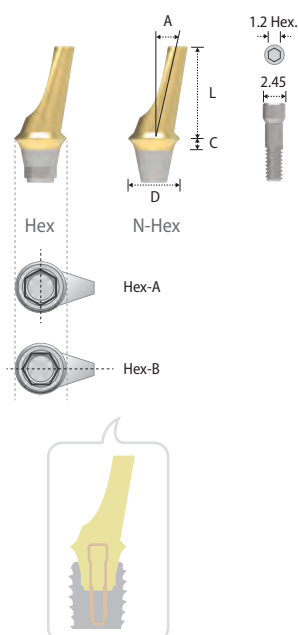


Type	Hex														
Diameter	Ø4.5			Ø5.0			Ø5.5			Ø6.0			Ø6.5		
<div>Length Cuff</div>	4	5.5	7	4	5.5	7	4	5.5	7	4	5.5	7	4	5.5	7
1	2SCH 4514	2SCH 4515	2SCH 4517	2SCH 5014	2SCH 5015	2SCH 5017	2SCH 5514	2SCH 5515	2SCH 5517	2SCH 6014	2SCH 6015	2SCH 6017	2SCH 6514	2SCH 6515	2SCH 6517
2	2SCH 4524	2SCH 4525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

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

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

Angulated Abutment

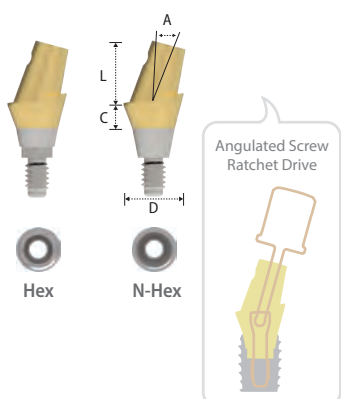


Type	Hex-A				Hex-B			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)	Ø4.5(15°)	Ø4.5(25°)	Ø5.5(15°)	Ø5.5(25°)
Length Cuff	8	8	8	8	8	8	8	8
1	2SAH45151	2SAH45251	2SAH55151	2SAH55251	2SAH45151B	2SAH45251B	2SAH55151B	2SAH55251B
2	2SAH45152	2SAH45252	2SAH55152	2SAH55252	2SAH45152B	2SAH45252B	2SAH55152B	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 the anterior esthetic zone.
- > Connected with the Abutment Screw (2SSHR100).
- > Gold color for more translucent restoration.
- > Select Hex-A or Hex-B according to the case.
- > Tightened with the Hex Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Fixture level impression.

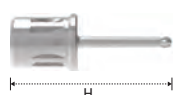
Beauty-up Abutment



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.
- > The ultimate solution for the 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 Torx A Ratchet Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Library available for EXOCAD®, 3Shape® & Others.
- > Use the Scanbody for 3D Work.
- > Fixture level impression.

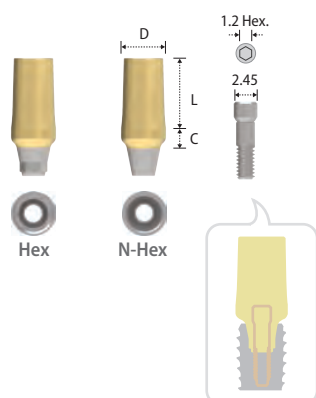
* Torx A Ratchet Driver



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

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

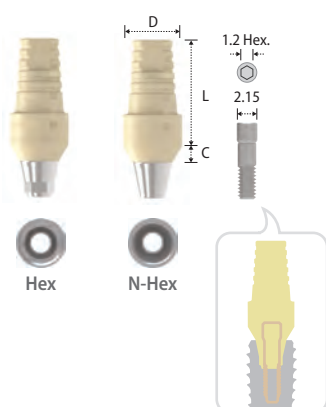
Milling Abutment



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 Hex Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Fixture level impression.

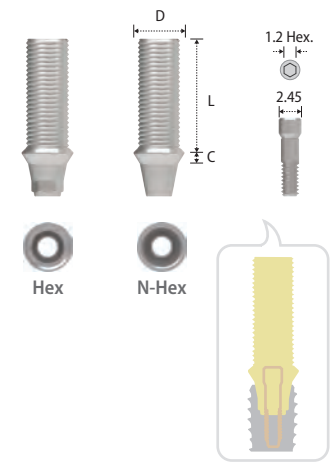
Easy Temporary Abutment



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 the anterior esthetic zone.
- > Titanium core for strength.
- > Connected with the Abutment Screw (2SSHR200).
- > Tightened with the Hex Driver and Torque Wrench.
- > Tightening torque force: 20N.cm.
- > Fixture level impression.

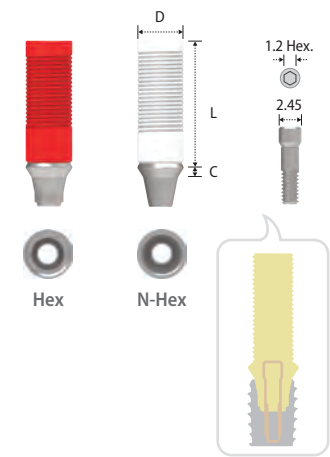
Temporary Abutment



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 Hex Driver and Torque Wrench.
- > Tightening torque force: 20N.cm.
- > Fixture level impression.

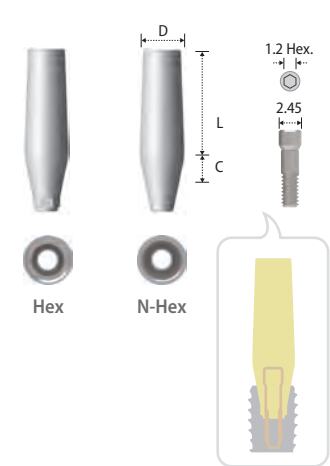
Meta G UCLA Abutment



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 the 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 Hex Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Fixture level impression.

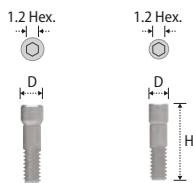
Plastic UCLA Abutment



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

- > Packing unit: 1 Plastic UCLA Abutment + 1 Abutment Screw.
- > Same purpose of use as the Meta G UCLA Abutment but the low accuracy of connection during lab procedure.
- > PMMA material.
- > Connected with the Abutment Screw (2SSHR200).
- > Tightened with the Hex Driver and Torque Wrench.
- > Tightening torque force: Finger light force during wax pattern fabrication, 30N.cm after casting.
- > Fixture level impression.

Abutment Screw



<div><div>Diameter</div><div>Height</div></div>	Ø2.45	Ø2.15
8.5	2SSHR100	2SSHR200

- > Packing unit: 1 Abutment Screw.
- > 2SSHR100: Angulated, Milling, Temporary, Meta G UCLA, and Plastic UCLA Abutment.
- > 2SSHR200: Cemented and Easy Temporary Abutment.
- > Tightened with the Hex Driver and Torque Wrench.

Replica



<div><div>Diameter</div><div>Height</div></div>	Ø4.0
12	2SRHR001

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

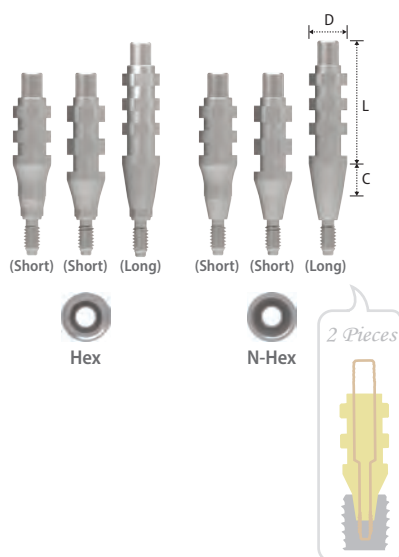
Bite Impression Coping



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

- > 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 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15N.cm.
- > Fixture level impression.

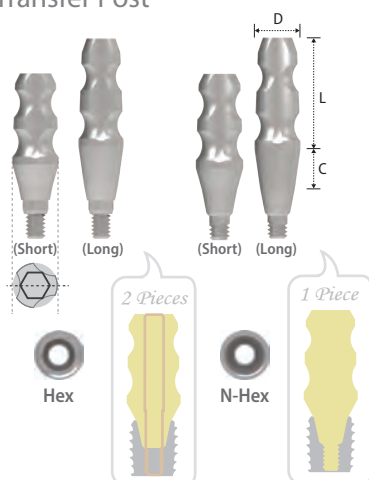
Pick-up Impression Coping



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

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

Transfer Post

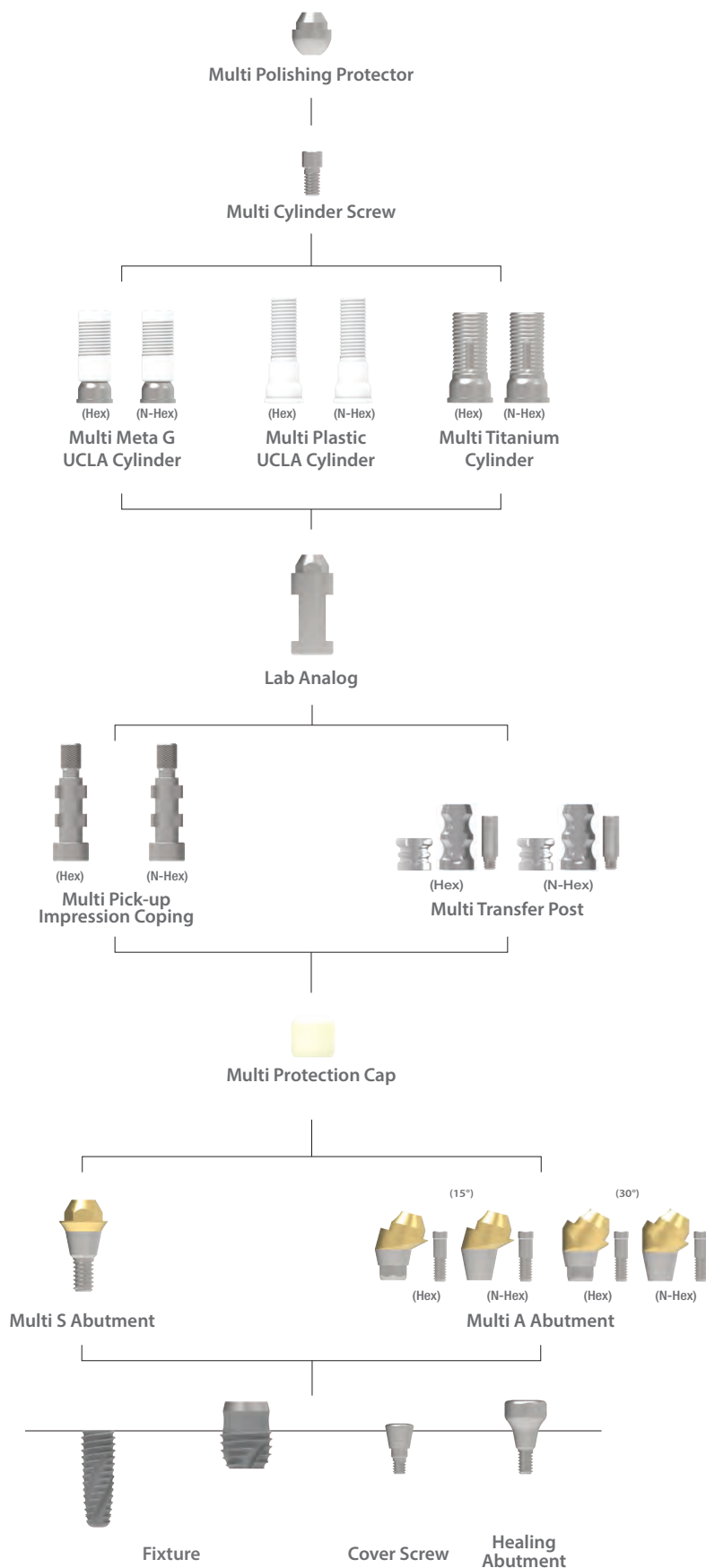


Type	Hex			N-Hex		
Diameter / Length / Cuff	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
9 (Short) / 2	2STH45S	2STH55S	2STH65S	2STN45S	2STN55S	2STN65S
11 (Long) / 4	2STH45L	2STH55L	2STH65L	2STN45L	2STN55L	2STN65L

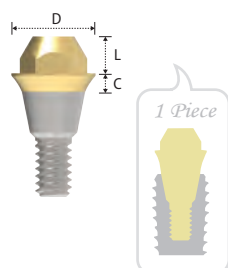
- > Packing unit: Hex - 1 Transfer Post + 1 Guide Pin / N-Hex - 1 Transfer Post (Solid Type).
- > For closed tray impression.
- > Connected with the Guide Pin (2STH001SS / 2STH001SL).
- > Tightened with the Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15N.cm.
- > Fixture level impression.

Prosthetic Procedure II

Component Selection Guide for Multi S&A Abutment



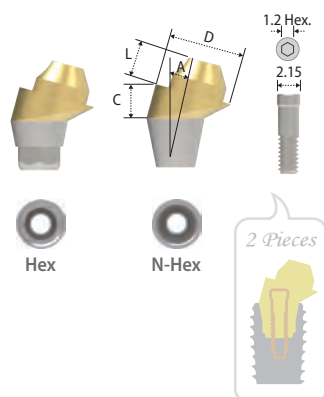
Multi S Abutment



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 a more stable position.
- > Tightened with the S Machine & S Ratchet Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Abutment level impression.

Multi A Abutment

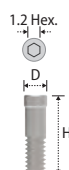


Type	Hex			
Diameter(Angle)	Ø4.5(15°)	Ø4.5(30°)	Ø5.5(15°)	Ø5.5(30°)
Cuff / Length	2	2	2	2
2	● 2SMAH45152			
3	★ 2SMAH45153	● 2SMAH45303	★ 2SMAH55153	★ 2SMAH55303
4	★ 2SMAH45154	★ 2SMAH45304	★ 2SMAH55154	★ 2SMAH55304
5			★ 2SMAH55155	★ 2SMAH55305

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 a more stable position.
- > Connected with the Abutment Screw (2SSHR300: ★ / 2SSHR400: ●).
- > Tightened with the Hex Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Use the Multi Scanbody for digital flow.
- > Abutment level impression.

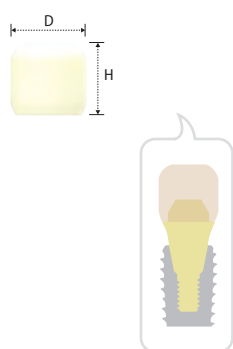
Abutment Screw



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

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

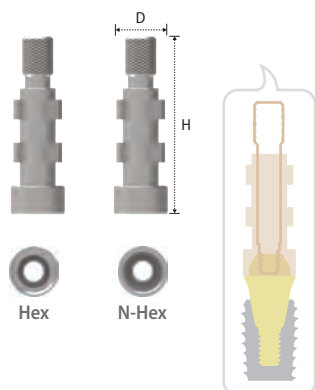
Multi Protection Cap



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 the abutment.
- > Alternative usage for sub-structure of the temporary prosthesis.
- > Tightened with the Hex Driver.
- > Tightening torque force: 5~10N.cm.

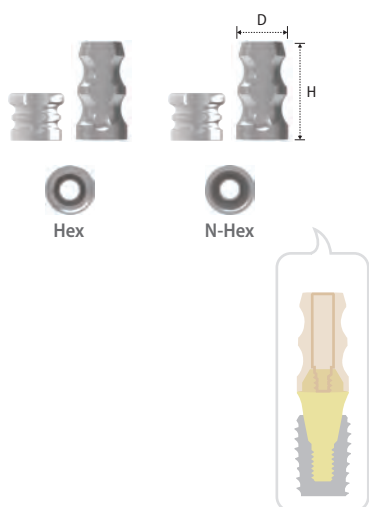
Multi Pick-up Impression Coping



Type	Hex		N-Hex	
Multi S & A Abutment Diameter	Ø4.5	Ø5.5	Ø4.5	Ø5.5
Diameter Height	Ø4.65	Ø5.65	Ø4.65	Ø5.65
16	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 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15N.cm.

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
5	2SMTH455	2SMTH555	2SMTN455	2SMTN555
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 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15N.cm.

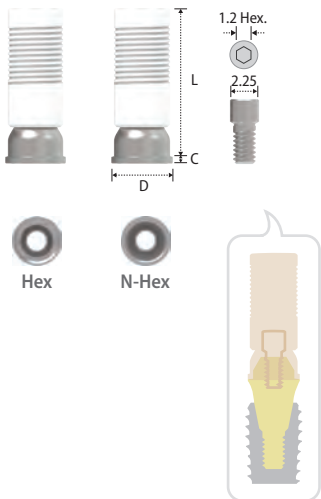
Multi Lab Analog



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

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

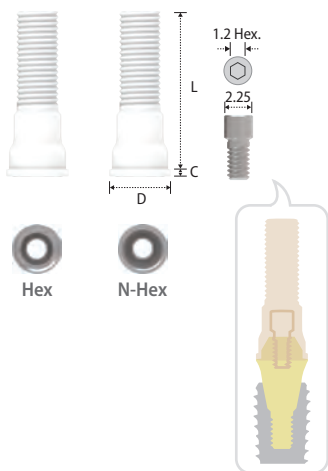
Multi Meta G UCLA Cylinder



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				
Cuff	10.9	10.9	10.9	10.9
0.5	2SCCH45	2SCCH55	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 Hex Driver and Torque Wrench.
- > Tightening torque force: 20N.cm.

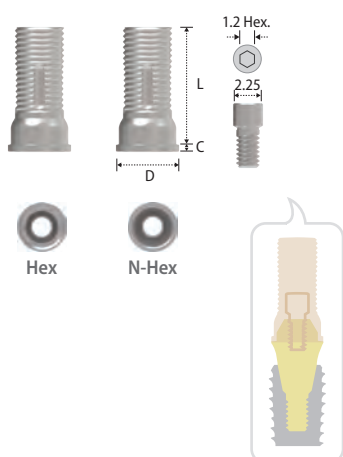
Multi Plastic UCLA Cylinder



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				
Cuff	11.5	11.5	11.5	11.5
0.5	2SMPH45	2SMPH55	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 the low accuracy of connection.
- > PMMA material.
- > Connected with the Multi Cylinder Screw (2SMCS100).
- > Tightened with the Hex Driver and Torque Wrench.
- > Tightening torque force: 20N.cm.

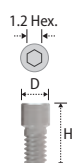
Multi Titanium Cylinder



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

- > 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 Hex Driver and Torque Wrench.
- > Tightening torque force: 20N.cm.

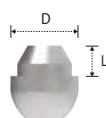
Multi Cylinder Screw



Diameter Height	Ø2.25
5	2SMCS100

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

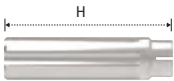
Multi Polishing Protector



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

- > Packing unit: 1 Multi Polishing Protector.
- > To protect margin of the prosthesis while polishing procedure.

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.



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.

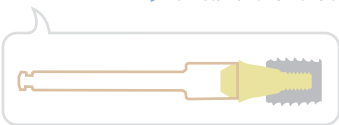
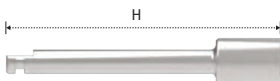


③ Connect the assembled body with the fixture.



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

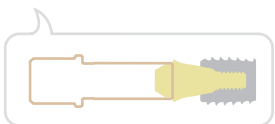
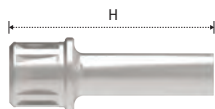
Multi S Machine Driver



Height	Type	Machine
27.5		KMMSD21L

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

Multi S Ratchet Driver

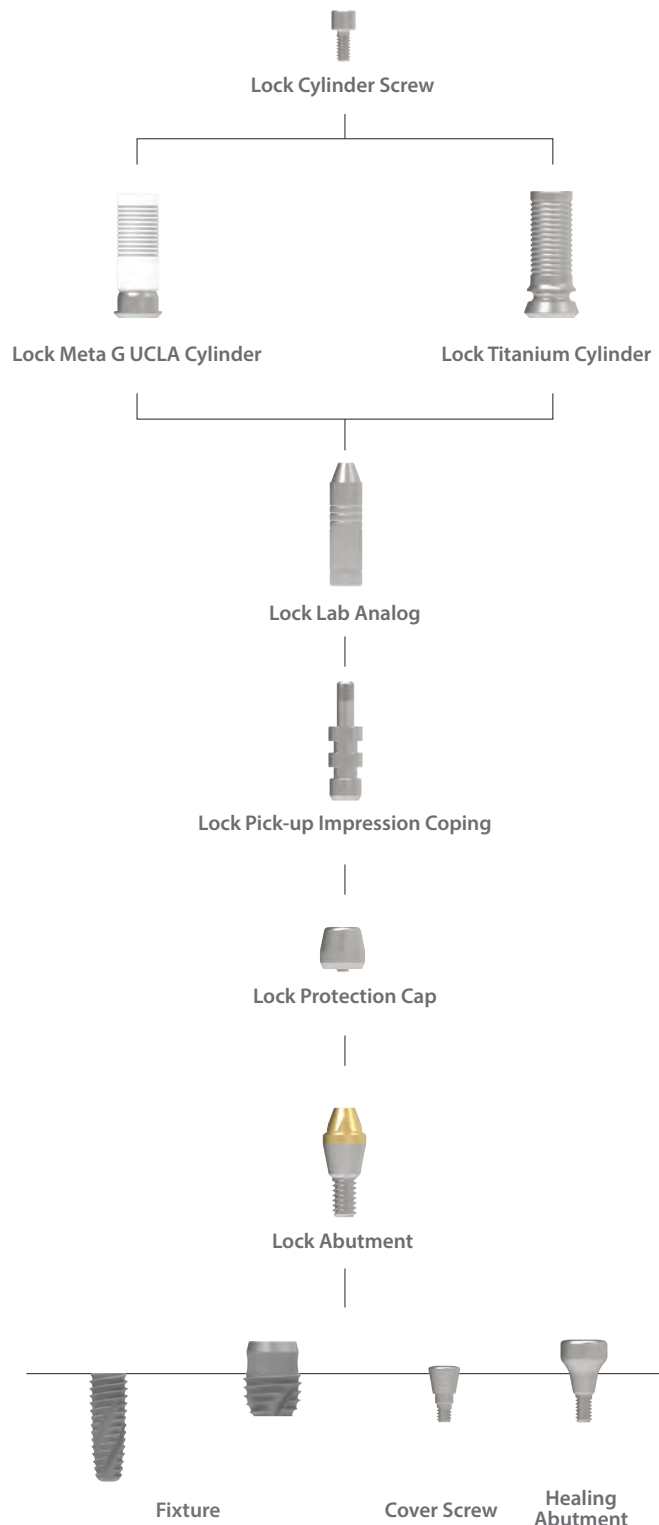


Height	Type	Ratchet
22		KRMSD15L

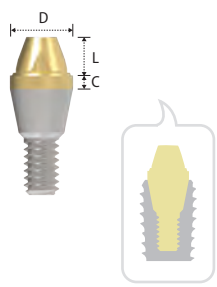
- > Packing unit: 1 Multi S Ratchet Driver.
- > To install and remove the Multi S Abutment with the Torque Wrench.

Prosthetic Procedure III

Component Selection Guide for Lock Abutment



Lock Abutment



Diameter	Ø3.5
Cuff / Length	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 the cylinders.
- > Gold color for more translucent restoration.
- > Integrated with screw and abutment.
- > Tightened with the Lock Ratchet Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Abutment level impression.

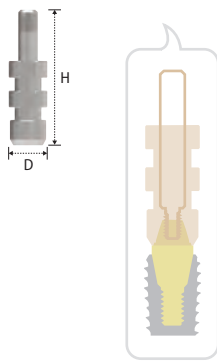
Lock Protection Cap



Lock Abutment Diameter	Ø3.5
Diameter / Height	Ø4.3
4	2SLP45

- > Packing unit: 1 Lock Protection Cap.
- > Protection from cheek and tongue for gingival healing period.
- > Gingival retraction for prosthodontic margin of the abutment.
- > Tightened with the Hex Driver.
- > Tightening torque force: 5~10N.cm.

Lock Pick-up Impression Coping



Lock Abutment Diameter	Ø3.5
Diameter / Height	Ø4.3
16	2SLIH45

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

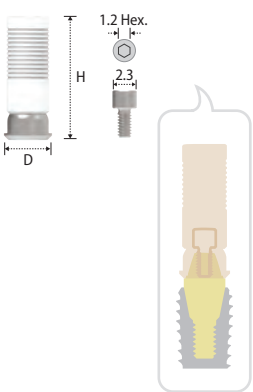
Lock Lab Analog



Lock Abutment Diameter	Ø3.5
Diameter / Height	Ø3.5
Length	2SLA45

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

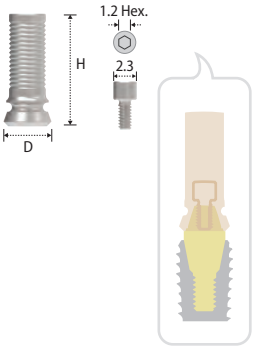
Lock Meta G UCLA Cylinder



Lock Abutment Diameter	Ø3.5
Diameter / Height	Ø4.3
Height	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 Hex Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.

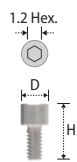
Lock Titanium Cylinder



Lock Abutment Diameter	Ø3.5
Diameter / Height	Ø4.3
Height	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 Hex Driver and Torque Wrench.
- > Tightening torque force : 30N.cm.

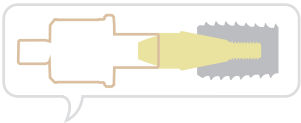
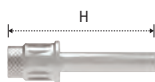
Lock Cylinder Screw



<div><div>Diameter</div><div>Height</div></div>	
4.8	Ø2.3
	2SLCS200

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

Lock Ratchet Driver



<div><div>Type</div><div>Height</div></div>	
14.2	Ratchet
28.5	KRLRD18
	KRLRD28

- > Packing unit: 1 Lock Ratchet Driver.
- > To install and remove the Lock Abutment with the Torque Wrench.

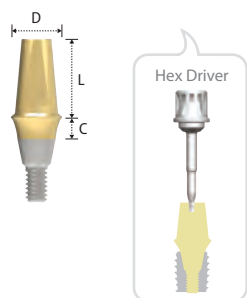


Prosthetic Procedure IV

Component Selection Guide for Absolute Abutment



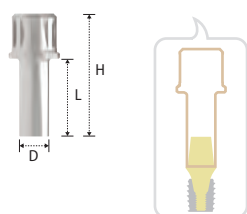
Absolute Abutment



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

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

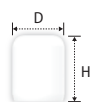
Absolute Ratchet Driver



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

- > Packing unit: 1 Absolute Ratchet Driver.
- > To install and remove the Absolute with the Torque Wrench.

Absolute Protection Cap



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

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

Absolute Impression Cap



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

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

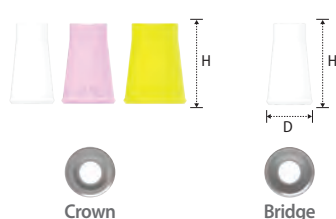
Absolute Lab Analog



Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5
Diameter Length	Ø4.5	Ø5.5	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 the abutment.

Absolute Plastic Coping (Burn Out Cylinder)

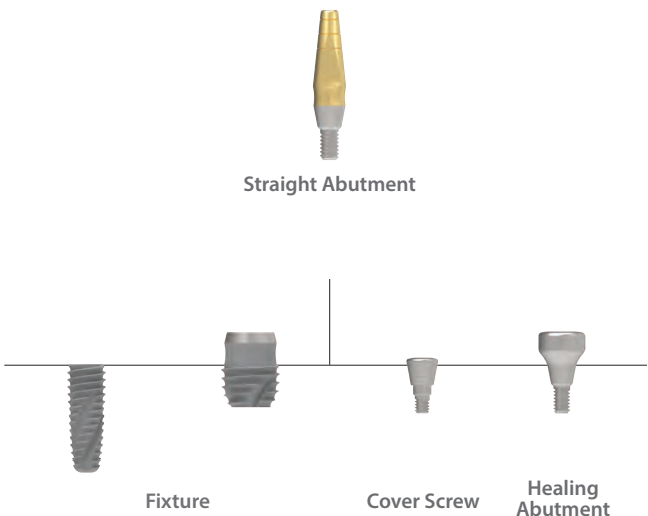


Type	Crown			Bridge		
Absolute Abutment Diameter	Ø4.5	Ø5.5	Ø6.5	Ø4.5	Ø5.5	Ø6.5
Diameter Height	Ø5.1	Ø6.1	Ø7.1	Ø5.1	Ø6.1	Ø7.1
10	2SHBC45	2SHBC55	2SHBC65	2SHBB45	2SHBB55	2SHBB65

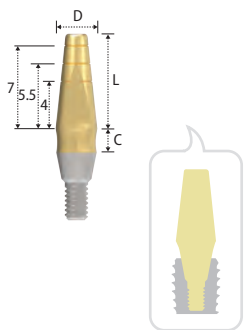
- > Packing unit: 1 Absolute Plastic Coping.
- > Connected with the Lab Analog.
- > Burn out and casting for the metal framework.

Prosthetic Procedure V

Component Selection Guide for Straight Abutment



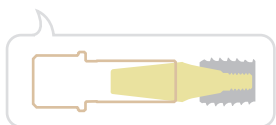
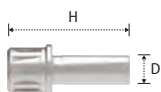
Straight Abutment



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

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

Shoulder Ratchet Driver

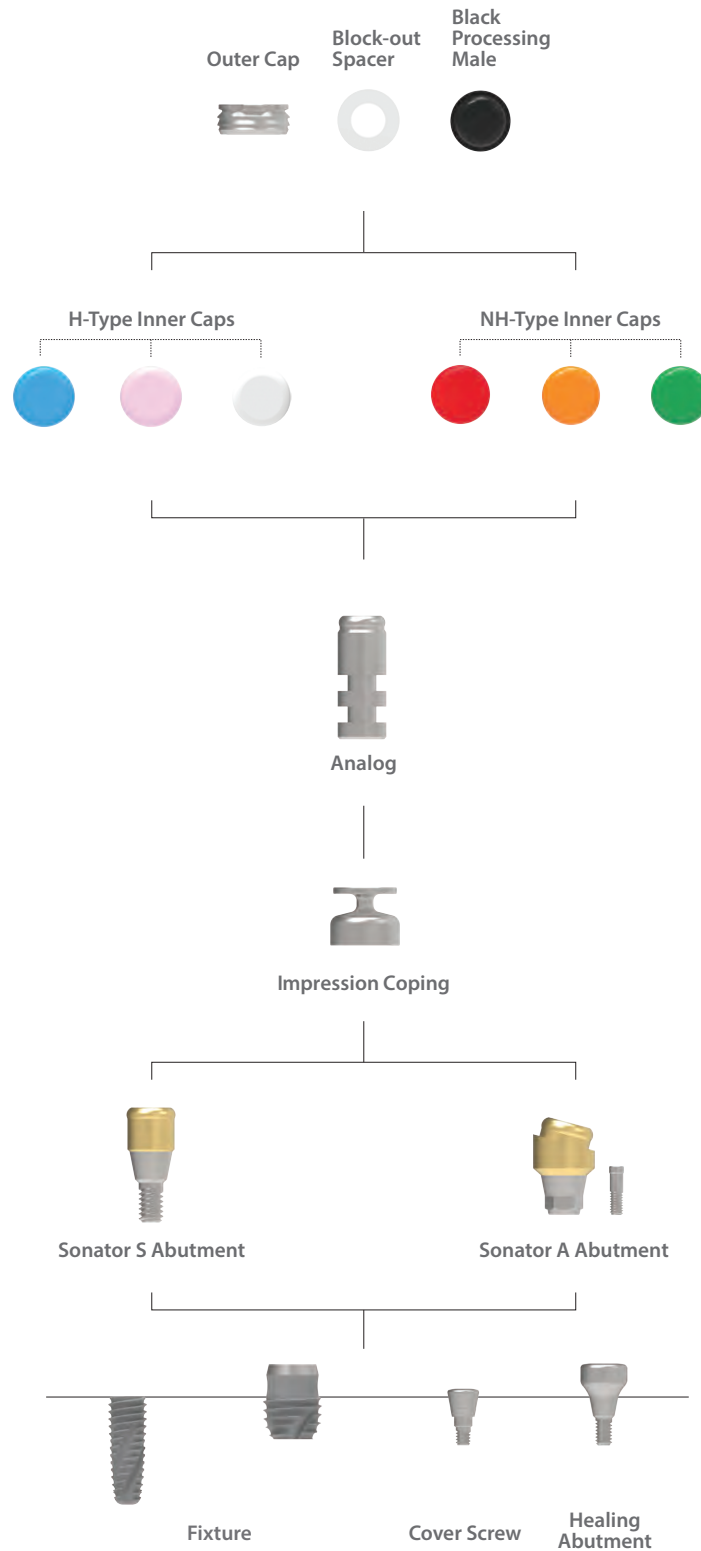


Diameter	Ø3.5	Ø4.5
Height	19	19
KRR12S , KRR19L	KRW12S , KRW19L	

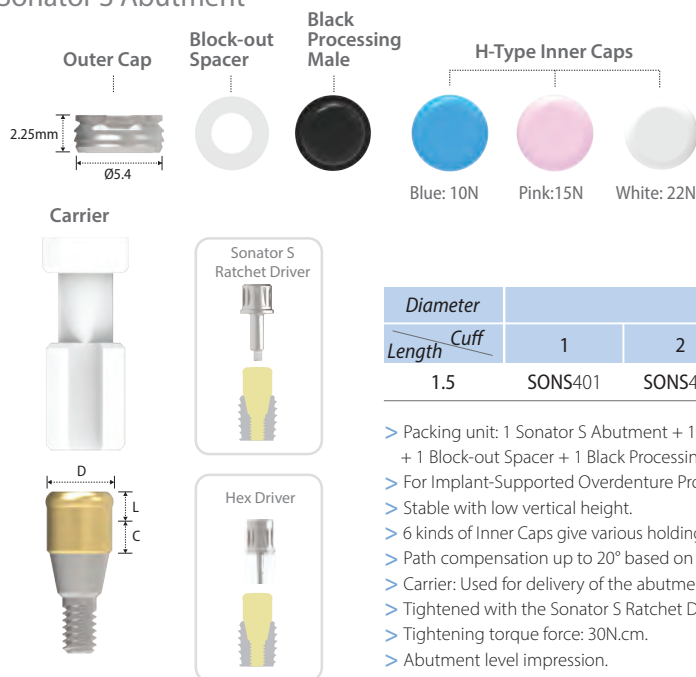
- > Packing unit: 1 Shoulder Ratchet Driver
- > To install and remove the Straight Abutment with the Torque Wrench.

Prosthetic Procedure VI

Component Selection Guide for Sonator S&A Abutment



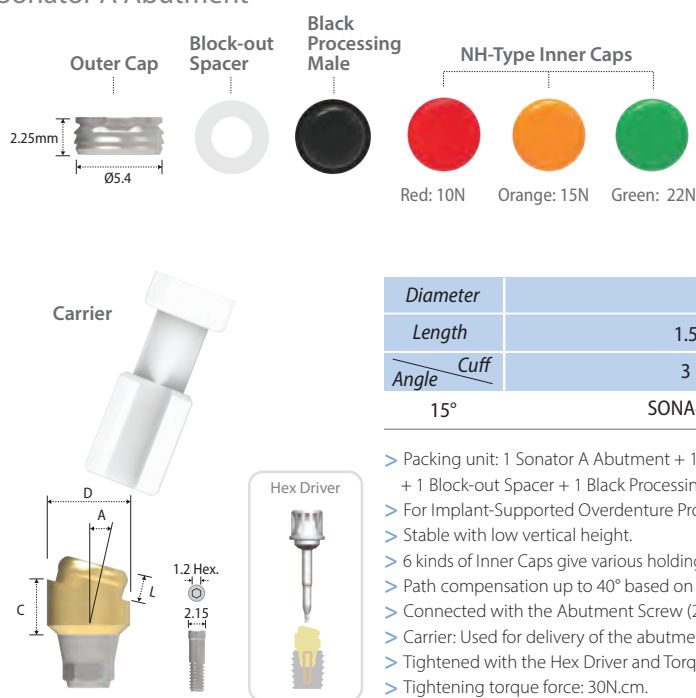
Sonator S Abutment



Diameter	Ø4.0					
Length	1	2	3	4	5	6
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 Overdenture 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 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 or Hex Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Abutment level impression.

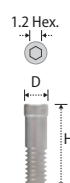
Sonator A Abutment



Diameter	Ø4.0	
Length	1.5	3.0
Angle	3	3
15°	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 Overdenture 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 Hex Driver and Torque wrench.
- > Tightening torque force: 30N.cm.
- > Abutment level impression.

Abutment Screw



Diameter	Ø2.15
Height	7.5
	2SSHR300

- > Packing unit: 1 Abutment Screw.
- > To connect the Sonator A Abutment.
- > Tighten with the Hex Driver and Torque Wrench.

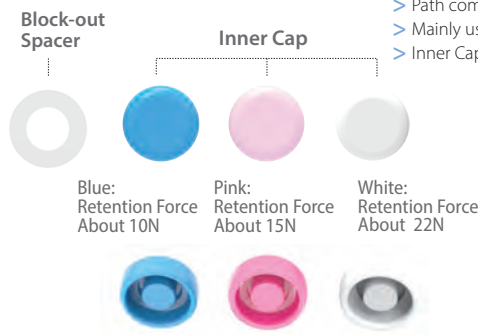
Outer Cap



<div><div>Diameter</div><div>Height</div></div>	Ø5.4
2.25	SONOC01

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

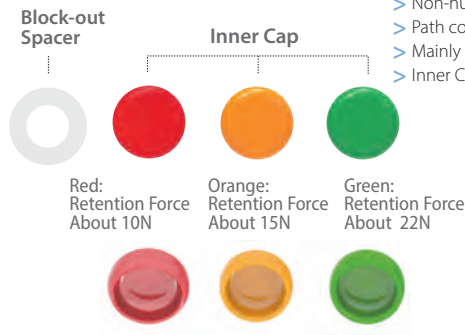
H-Type Inner Cap



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.

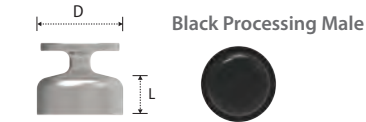
NH-Type Inner Cap



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



<div><div>Diameter</div><div>Length</div></div>	Ø4.8
3	SONIP04

- > Packing unit: 4 Sonator Impression Copings and 4 Black Processing Males.
- > Connected over the Sonator S&A Abutment after placing the Block-out Spacer.
- > For close tray impression.

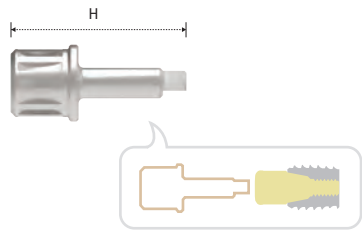
Sonator Lab Analog



<div><div>Diameter</div><div>Length</div></div>	Ø4
1.4	SONLA04

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

Sonator S Ratchet Driver

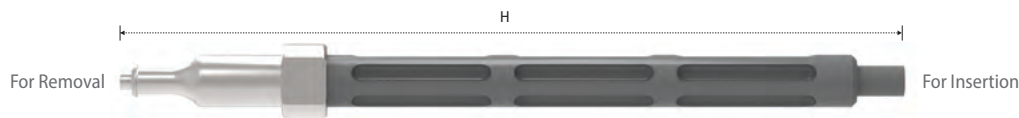


<div><div>Type</div><div>Height</div></div>	Ratchet
18	SONRD19L

- > Packing unit : 1 Sonator S Ratchet Driver.
- > To install and remove the Sonator S Abutment with the Torque Wrench.

Sonator I&R Driver

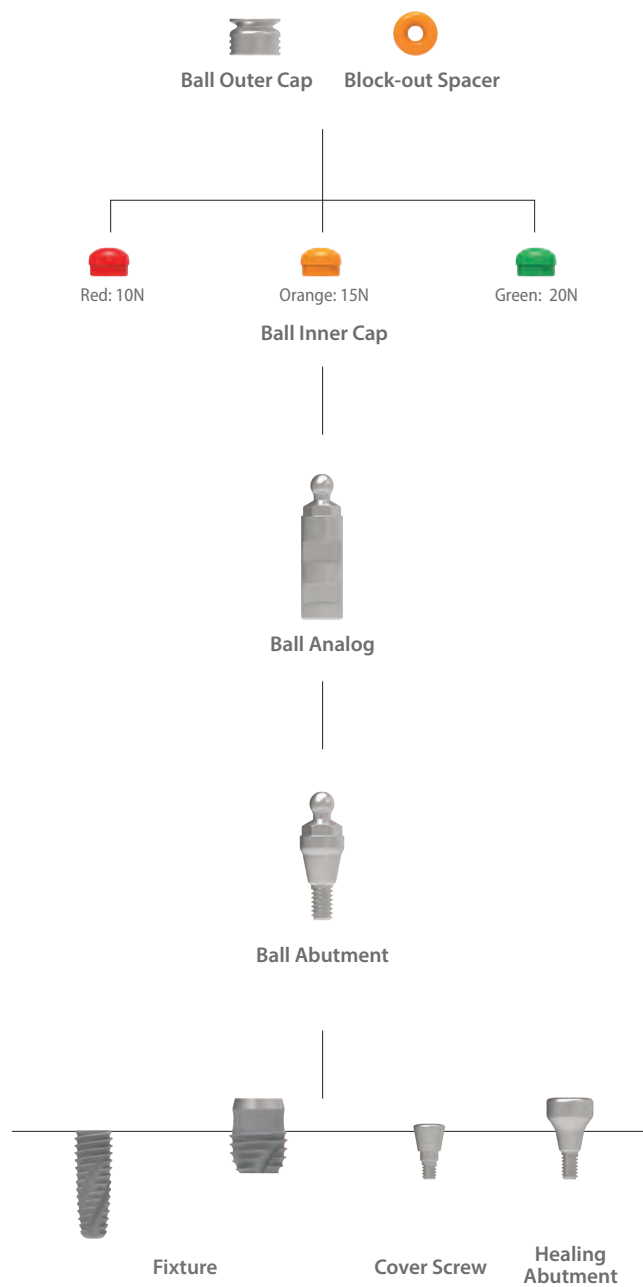
Height	95.4
	SONIR002



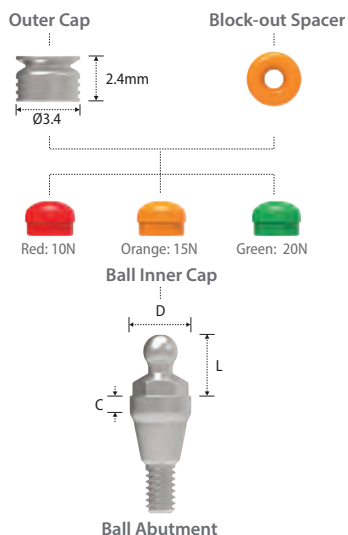
- > Packing unit: 1 Sonator I&R Driver.
- > Used to insert and remove the Inner Caps and Block Processing Male.

Prosthetic Procedure VII

Component Selection Guide for Ball Abutment



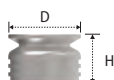
Ball Abutment



Diameter	Ø4.0
Length 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 Overdenture Prosthesis.
- > Tightened with the Ball Driver and Torque Wrench.
- > Tightening torque force: 30N.cm.
- > Direct impression.

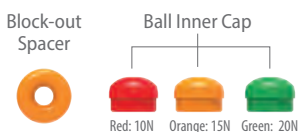
Ball Outer Cap



Diameter Height	Ø3.4 2.4
	BATC003C

- > Packing unit: 2 Outer Caps.

Ball Inner Cap



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

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

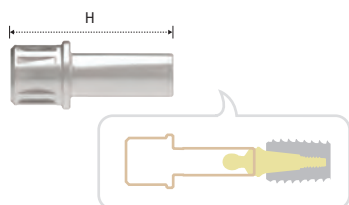
Ball Analog



Diameter Length	Ø4.0 4
	SBAL400

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

Ball Ratchet Driver



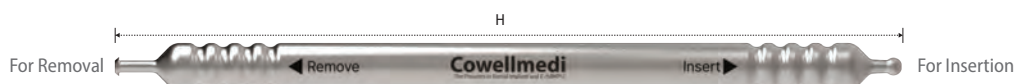
Type Height	Ratchet 19
	KRB19L

- > Packing unit: 1 Ball Ratchet Driver
- > To install and remove the Ball Abutment with the Torque Wrench.

*Extra Product

Ball I&R Driver

Height	100
	KBIR01



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



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