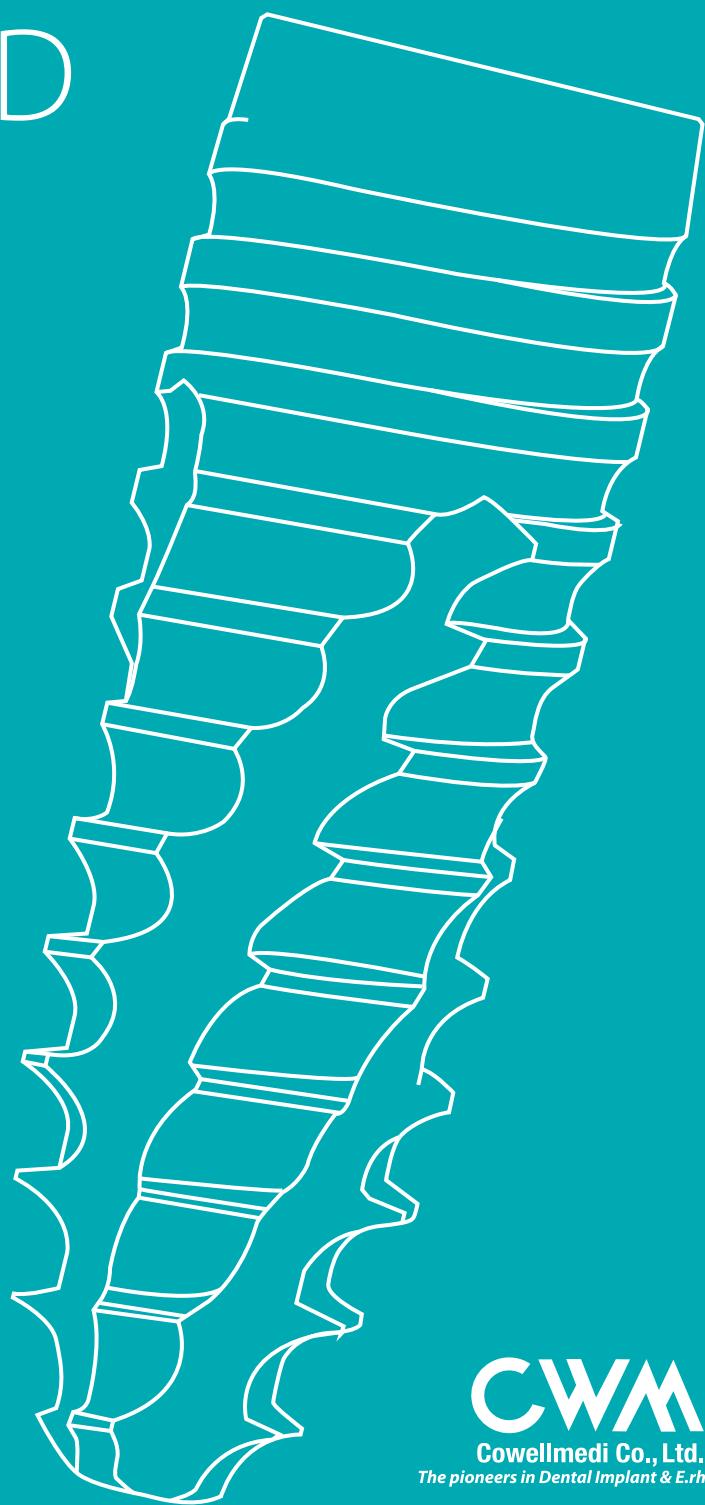
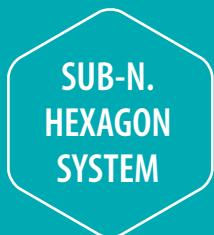


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INNO Submerged Narrow Implant (Sub-N.)

**SUBMERGED**



**CWM**

Cowellmedi Co., Ltd.  
The pioneers in Dental Implant & E.rhBMP-2

# INNO SUBMERGED NARROW IMPLANT (Sub-N.)

## System Flow

Fixture	Abutment				Impression			
	Prosthetic Procedure I	 Cemented	 Angulated	 Temporary	 Meta G UCLA	 Replica	 Pick-up Impression Coping	 Transfer Post
	Prosthetic Procedure II	 Multi S	 Multi A			 Multi Protection Cap	 Multi Pick-up Impression Coping	 Multi Transfer Post
	Prosthetic Procedure III	 Straight				 Multi Lab Analog	 Multi Meta G UCLA Cylinder	 Multi Plastic UCLA Cylinder
							 Multi Titanium Cylinder	 Multi Polishing Protector
							 Direct Impression	

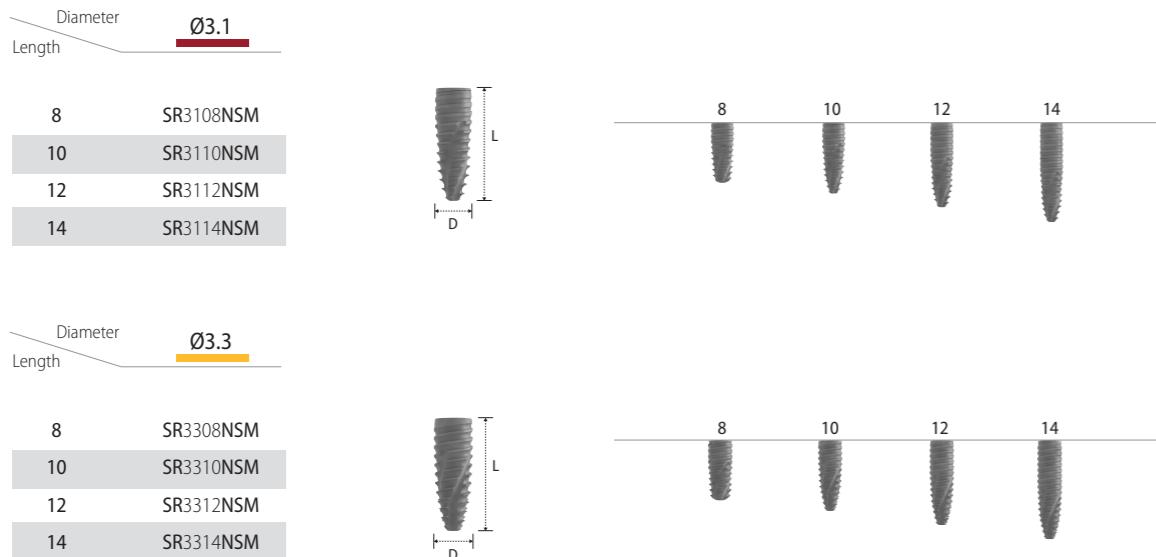
# INNO Submerged Narrow Implant (Sub-N.)



Submerged Fixture  
Surface Treatment : **SLA-SH®**  
 > Interchangeable with hexagonal morse tapered fixture.  
 > Internal hex connection (Taper 11°/ Hex 2.1).



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



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

Diameter		Ø3.1
Length		
8	SR3108NS	
10	SR3110NS	
12	SR3112NS	
14	SR3114NS	

Diameter		Ø3.3
Length		
8	SR3308NS	
10	SR3310NS	
12	SR3312NS	
14	SR3314NS	

## Fixture Mount

Length	5.4
	RSM001

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

## Cover Screw

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

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

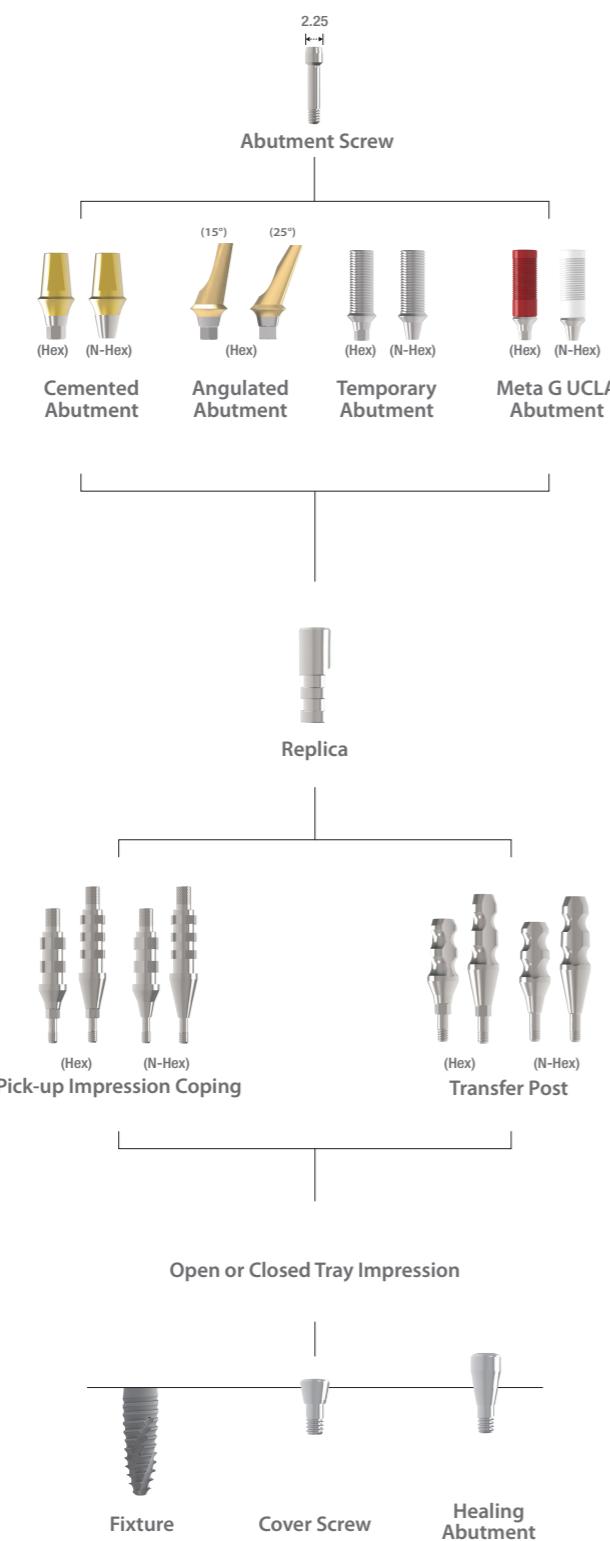
## Healing Abutment

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

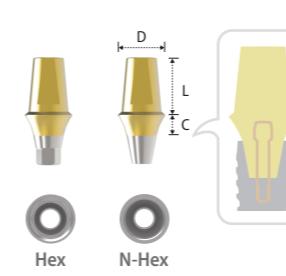
- > Packing unit : 1 Healing Abutment.
- > For remodeling gingival contour during soft tissue healing.
- > Select according to gingival height and abutment type.
- > Tightened with the 1.2 Hex Driver.
- > Tightening torque force : 5~10 N.cm.

# Prosthesis Procedure I

## Components Selection Guide for Cemented and UCLA Abutment



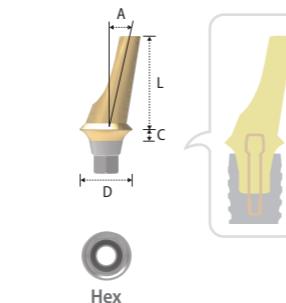
### Cemented Abutment



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

- > 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 (SSHR100N).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20~25 N.cm.
- > Use the Scanbody for 3D Work.
- > Fixture level impression.

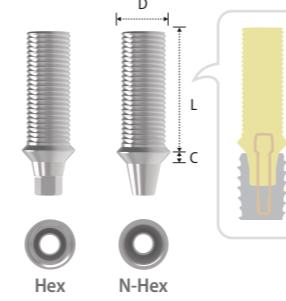
### Angulated Abutment



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

- > Packing unit : 1 Angulated Abutment + 1 Abutment Screw.
- > For Screw-Cement or Cement Retained Prosthesis.
- > Solution for anterior esthetic zone.
- > Gold color for esthetics.
- > Connected with the Abutment Screw (SSHR100N).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20~25 N.cm.
- > Fixture level impression.

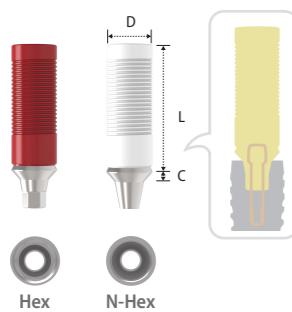
### Temporary Abutment



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

- > Packing unit : 1 Temporary Abutment + 1 Abutment Screw.
- > For Screw-Cement Retained Prosthesis.
- > For provisional restoration.
- > Connected with the Abutment Screw (SSHR100N).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20~25 N.cm.

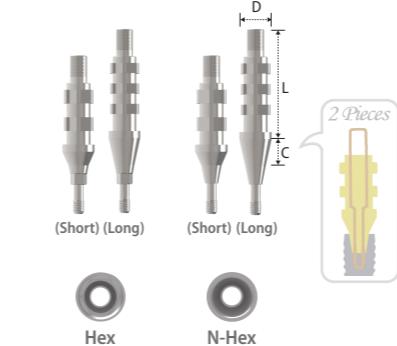
### Meta G UCLA Abutment



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

- > Packing unit : 1 Meta G UCLA Abutment + 1 Abutment Screw.
- > For 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 (SSHR100N).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 20~25 N.cm.
- > Fixture level impression.

### Pick-up Impression Coping



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length / Cuff		
14 (Short) / 2	SIH45N	SIN45N
16 (Long) / 4	SIH45LN	SIN45LN

- > Packing unit : 1 Pick-up Impression Coping + 1 Guide Pin.
- > For open tray impression.
- > Connected with the Guide Pin (SIS001SN / SIS001LN).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15Ncm.

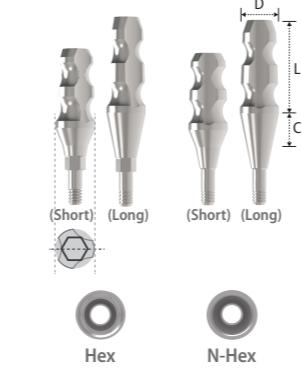
### Abutment Screw



Height / Diameter	2.25
10.2	SSHR100N

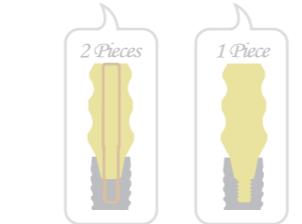
- > Packing unit : 1 Abutment Screw.
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20~25 N.cm.

### Transfer Post



Type	Hex	N-Hex
Diameter	Ø4.5	Ø4.5
Length / Cuff		
9 (Short) / 2	STH45N	STN45N
11 (Long) / 4	STH45LN	STN45LN

- > 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 (STS001SN / STS001LN).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force: 12~15Ncm.



Height / Diameter	Ø4
12.1	SRHR001N

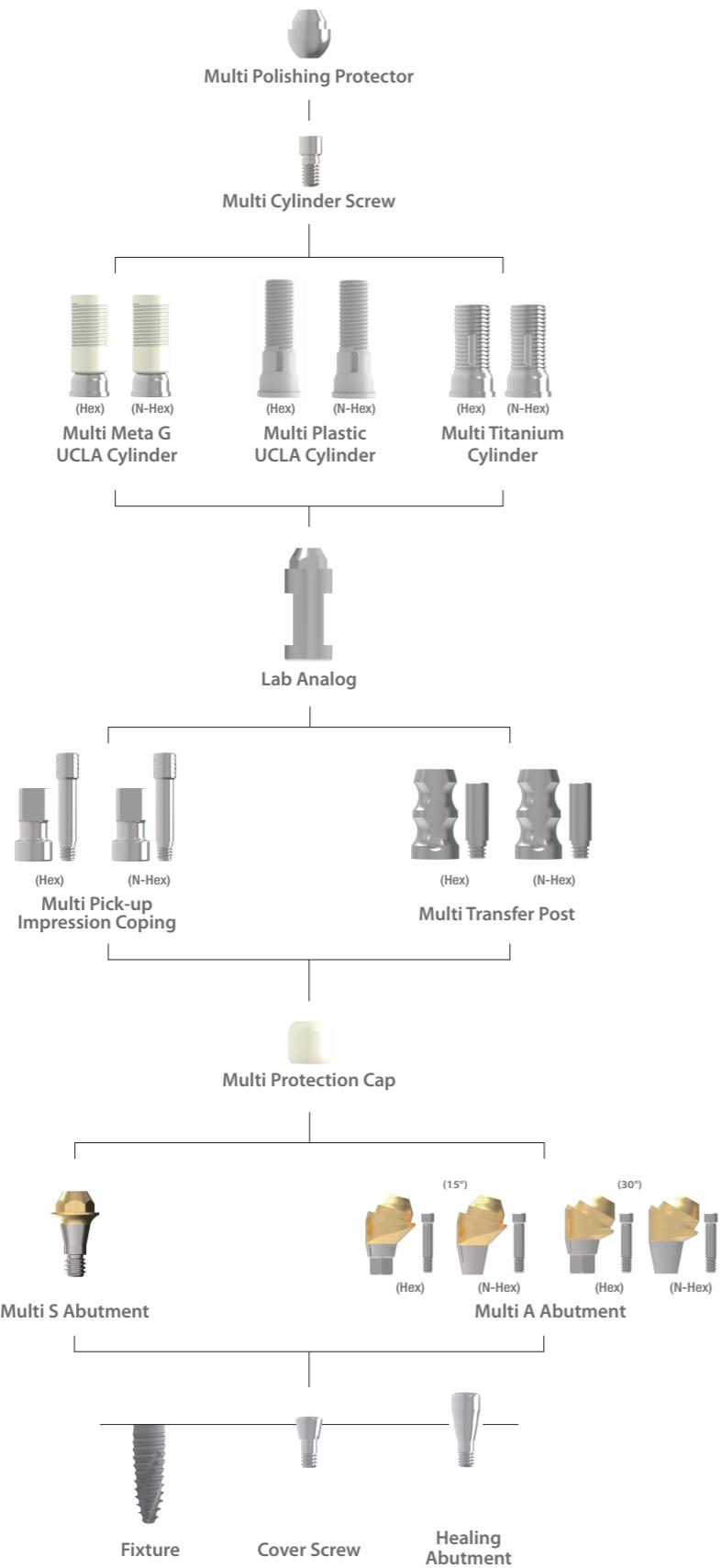
- > Packing unit : 1 Replica.
- > Mimicking of conical interface of fixture.
- > Analog of fixture for working cast.

### Replica

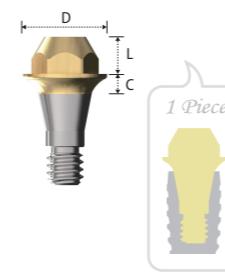


# Prosthesis Procedure II

## Component Selection Guide for Multi S&A Abutment



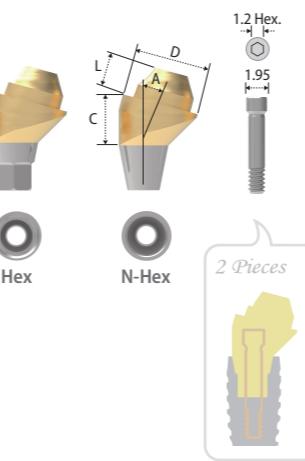
### Multi S Abutment



Diameter	Ø4.5
Cuff Length	2
1	SMS451N
2	SMS452N
3	SMS453N
4	SMS454N

- > Packing unit : 1 Multi S Abutment.
- > For Screw-Retained Prothesis.
- > 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 : 20~25 N.cm.
- > Abutment level impression.

### Multi A Abutment



Type	Hex	
Diameter(Angle)	Ø4.5(15°)	Ø4.5(30°)
Cuff Length	2	2
2	★ SMAH45152N	
3	● SMAH45153N	★ SMAH45303N
4	● SMAH45154N	● SMAH45304N

Type	N-Hex	
Diameter(Angle)	Ø4.5(15°)	Ø4.5(30°)
Cuff Length	2	2
2	★ SMAN45152N	
3	● SMAN45153N	★ SMAN45303N
4	● SMAN45154N	● SMAN45304N

- > Packing unit : 1 Multi A Abutment + 1 Abutment Screw.
- > For Screw-Retained Prothesis.
- > 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 (SSHR200N : ★ / SSHR300N : ●).
- > Tightened with the 1.2 Hex Driver and Torque Wrench.
- > Tightening torque force : 20~25 N.cm.
- > Abutment level impression.

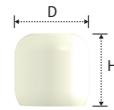
### Abutment Screw



Diameter	8.7	9.3
Ø1.95	★ SSHR200N	● SSHR300N

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

### Multi Protection Cap

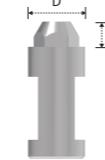


Multi S&A Abutment Diameter	Ø4.5
Diameter Height	Ø5.2

5 2SMP45

- > 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 Lab Analog

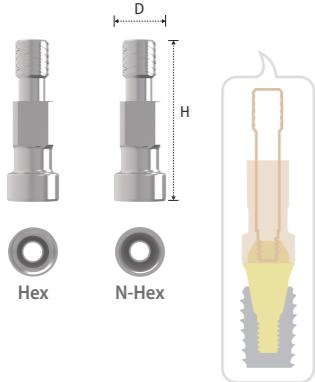


Multi S&A Abutment Diameter	Ø4.5
Diameter Length	Ø4.5

2 2SMA45

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

### Multi Pick-up Impression Coping

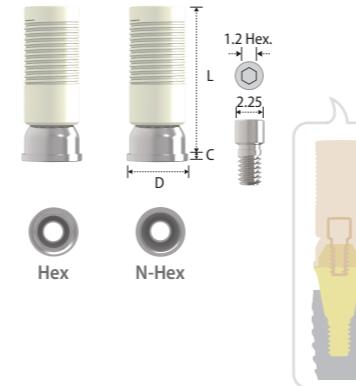


Type	Hex	N-Hex
Multi S&A Abutment Diameter	Ø4.5	Ø4.5
Diameter Height	Ø4.65	Ø4.65

14.8 2SMIH45 2SMIN45

- > 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 Meta G UCLA Cylinder

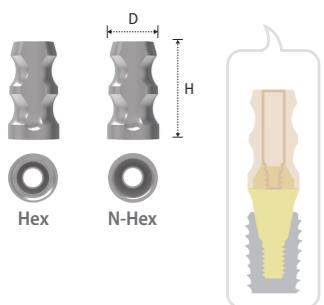


Type	Hex	N-Hex
Multi S&A Abutment Diameter	Ø4.5	Ø4.5
Diameter	Ø4.5	Ø4.5

0.5 2SCCH45 2SCCN45

- > 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 Transfer Post

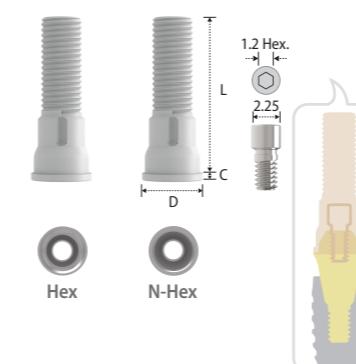


Type	Hex	N-Hex
Multi S&A Abutment Diameter	Ø4.5	Ø4.5
Diameter Height	Ø4.5	Ø4.5

8.5 2SMTH45 2SMTN45

- > 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 Plastic UCLA Cylinder

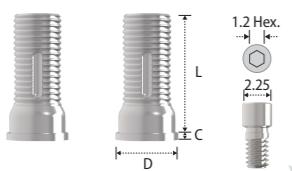


Type	Hex	N-Hex
Multi S&A Abutment Diameter	Ø4.5	Ø4.5
Diameter	Ø4.5	Ø4.5

0.5 2SMPH45 2SMPN45

- > 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 Titanium Cylinder



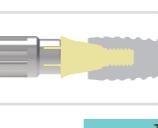
Hex  
N-Hex

Type	Hex	N-Hex
Multi S & A Abutment Diameter	Ø4.5	Ø4.5
Diameter	Ø4.5	Ø4.5
Cuff Length	8.5	8.5

0.5 2STCH45 2STCN45

- > 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.

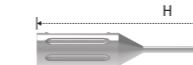
### Multi Holder



Height	Type	Hand
20		KMHS01

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

### S Holder

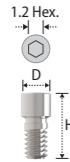


Height	Type	Hand
32		KMHA01

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

### A Holder

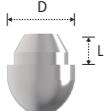
### Multi Cylinder Screw



Height	Diameter	
5	Ø2.25	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 Polishing Protector



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

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

### Multi S Machine Driver

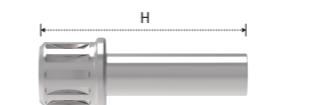


Height	Type	Machine
27.5		KMMSD21L

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

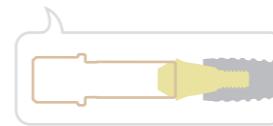


### Multi S Ratchet Driver



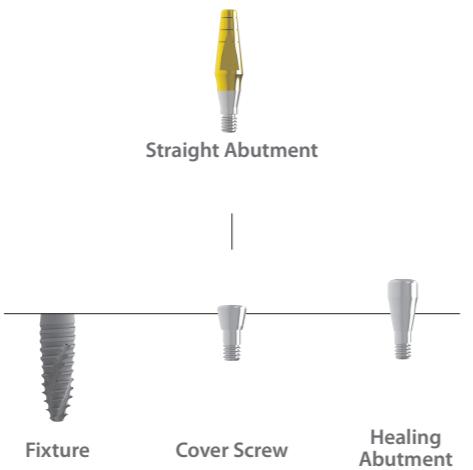
Height	Type	Ratchet
22		KRMSD15L

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

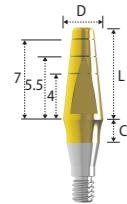


# Prosthesis Procedure III

## Component Selection Guide for Straight Abutment



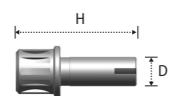
### Straight Abutment



Diameter	$\varnothing 3.5$				
Length [Cuff]	8 [0.5]	8 [1]	8 [2]	8 [3]	8 [4]
	SR308	SR318	SR328	SR338	SR348

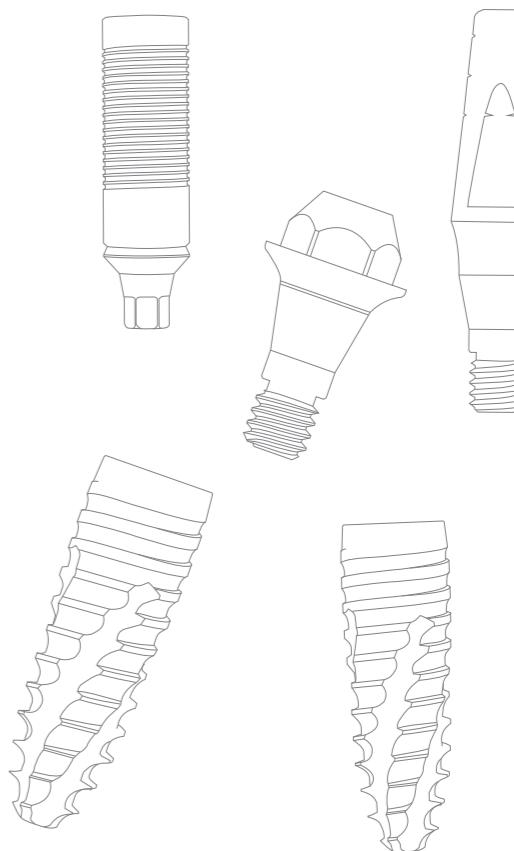
- > Packing unit : 1 Straight Abutment.
- > For Cement Retained Prosthesis.
- > Integrated with screw and abutment.
- > Tightened with the Shoulder Driver.
- > Tightening torque force : 20~25 N.cm.
- > Direct impression.

### Shoulder Driver



Height	Diameter	$\varnothing 4.5$
19		KRR19L

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



# INNO Submerged Narrow Implant (Sub-N.)

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