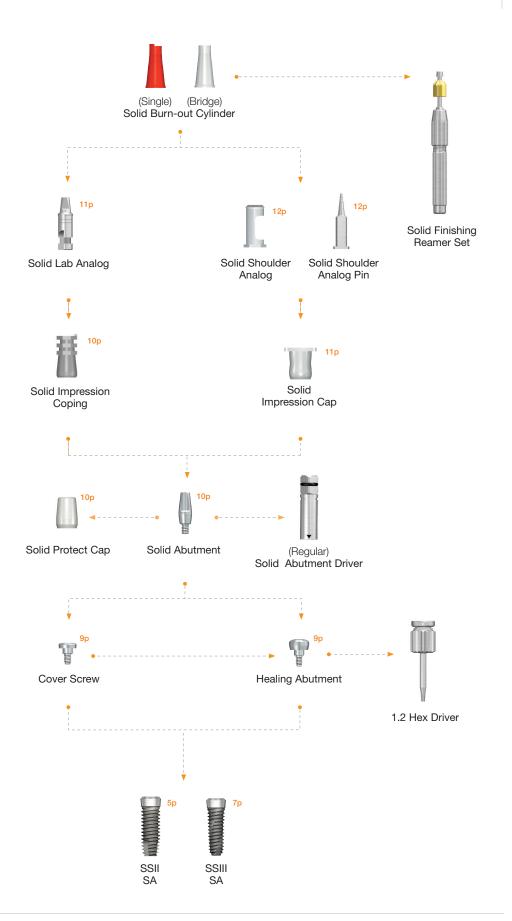
SS IMPLANT SYSTEM

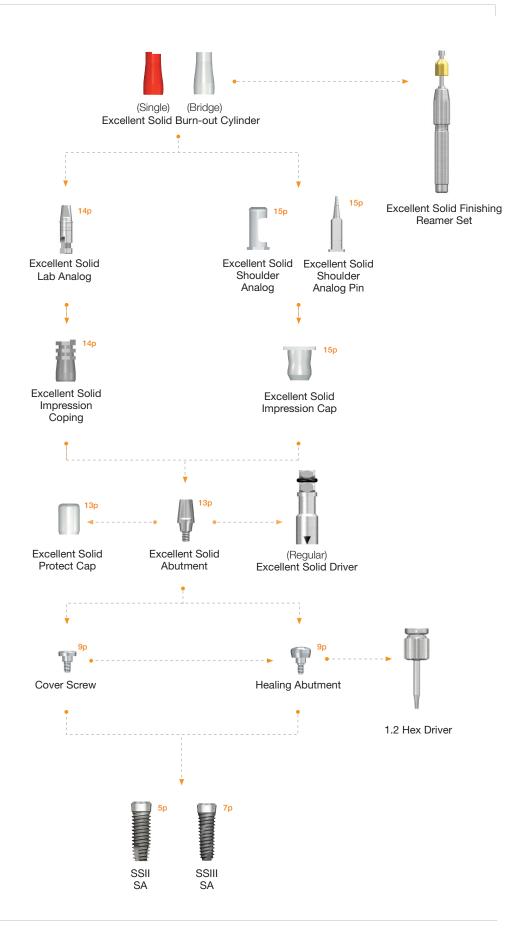




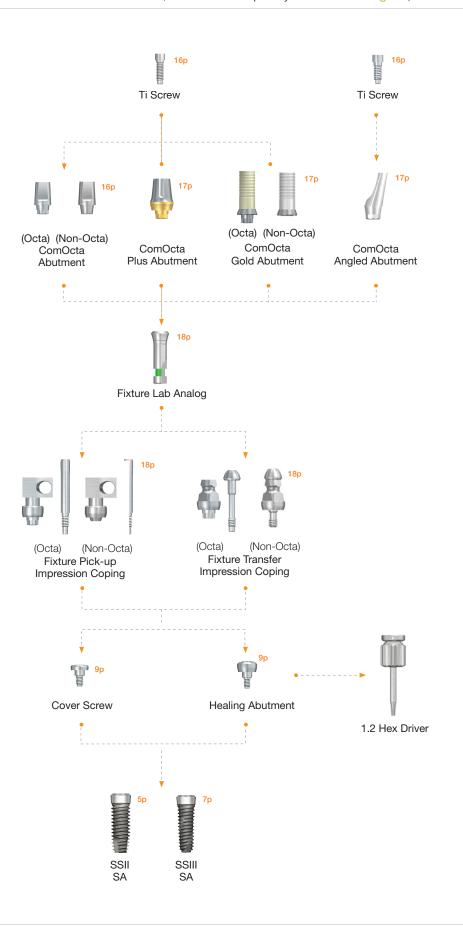
Cement Retained Restoration : Solid Abutment • Regular, Wide



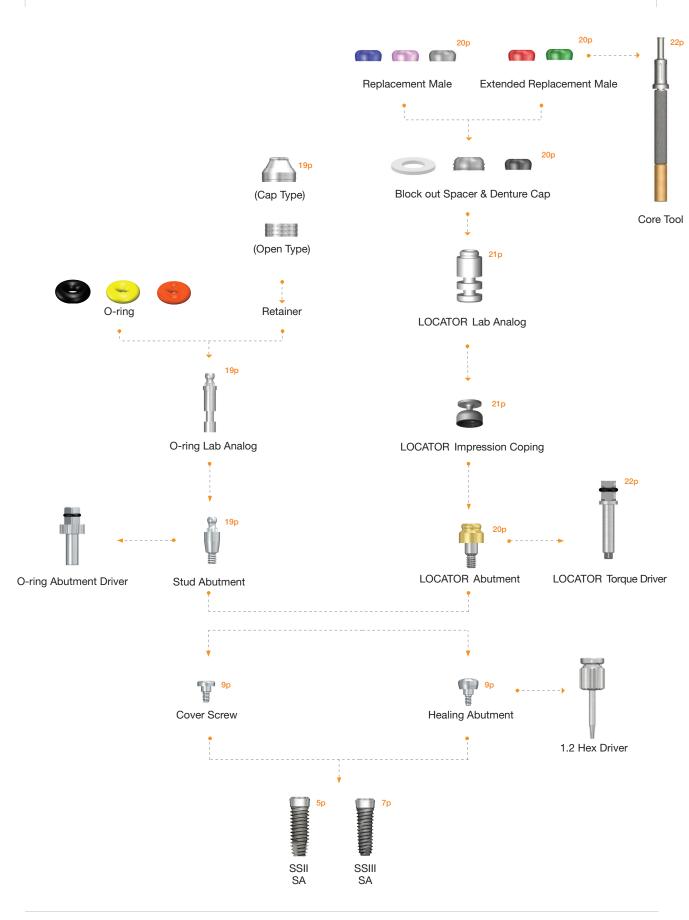
Cement Retained Restoration : Excellent Solid Abutment • Regular, Wide



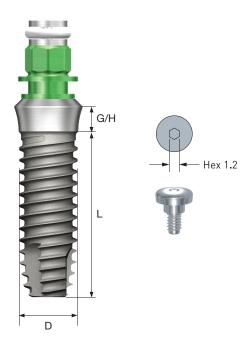
Cement Retained Restoration: ComOcta, ComOcta Plus, ComOcta Angled, ComOcta Gold Abutment Screw Retained Restoration: ComOcta Gold Abutment, ComOcta Temporary Abutment • Regular, Wide



Overdenture Restoration: O-ring / LOCATOR Abutment • Regular



SSII SA Fixture



Simple Mount System

SSII SA Fixture Order Code

Fixture Only

- Fixture: Product Code (ex: SS2R4011S18)

Pre-Mounted Fixture (Simple Mount)

- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ASS2R4011S18)

Feature of SSII SA

Non-submerged type implant based on a one-stage surgery procedure Stable connection structure of internal octa and morse taper method SA surface morphology and roughness increased by 45% compared to RBM treatment

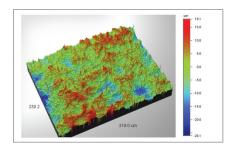
SA: Sand blasted with alumina and Acid etched surface

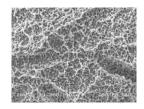
- Optimal morphology : Combination of crater and micro-pit
- Optimal surface roughness: Ra 2.5~3.0
- Early cell response : 20% faster than RBM
- Early bone healing: 20% faster than RBM
- Early loading possible after 6 weeks of placement.
- Optimized design for SA surface

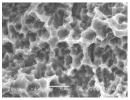
Straight body facilitates the adjustment of implantation depth Powerful Self threading

Limita alia a artica de mance e 400

Limited insertion torque: 40Ncm







We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.







Р	Ø4.8		
D	Ø4	1.0	
L G/H	1.8 2.8		
7	SS2R4007S18	-	
8.5	SS2R4008S18	SS2R4008S28	
10	SS2R4010S18	SS2R4010S28	
11.5	SS2R4011S18	SS2R4011S28	
13	SS2R4013S18	SS2R4013S28	
15	SS2R4015S18	SS2R4015S28	



Р	Ø4.8			
D	Ø4	1.5		
L G/H	1.8	2.8		
7	SS2R4507S18	-		
8.5	SS2R4508S18	SS2R4508S28		
10	SS2R4510S18	SS2R4510S28		
11.5	SS2R4511S18	SS2R4511S28		
13	SS2R4513S18	SS2R4513S28		
15	SS2R4515S18	SS2R4515S28		



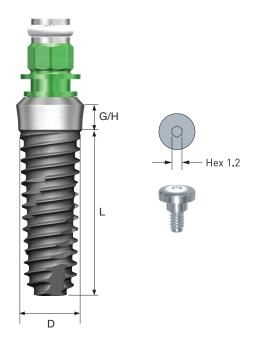
Р	Ø6.0
D	Ø4.5
L G/H	2.0
7	SS2W4507S20
8.5	SS2W4508S20
10	SS2W4510S20
11.5	SS2W4511S20
13	SS2W4513S20
15	SS2W4515S20

Wide	Plat				eter Ø5.0
Short					G/H
6 7	8.5	10	11.5	13	15

Р	Ø6.0
D	Ø5.0
L G/H	2.0
6 (Short)	SS2W5006S20
7	SS2W5007S20
8.5	SS2W5008S20
10	SS2W5010S20
11.5	SS2W5011S20
13	SS2W5013S20
15	SS2W5015S20

Note: Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.

SSIII SA Fixture



Simple Mount System

SSIII SA Fixture Order Code

Fixture Only

- Fixture: Product Code (ex: SS3R4011S18)

Pre-Mounted Fixture (Simple Mount)

- Fixture + Simple Mount + Cover Screw : A + Fixture Product Code (ex : ASS3R4010S18)

Feature of SSIII SA Fixture

Non-submerged type implant based on a one-stage surgery procedure Stable connection structure of internal octa and morse taper method SA surface morphology and roughness increased by 45% compared to RBM treatment

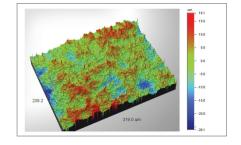
SA: Sand blasted with alumina and Acid etched surface

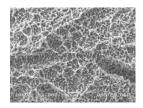
- Optimal morphology: Combination of crater and micro-pit
- Optimal surface roughness: Ra 2.5~3.0
- Early cell response : 20% faster than RBM
- Early bone healing: 20% faster than RBM
- Early loading possible after 6 weeks of placement.
- Optimized design for SA surface

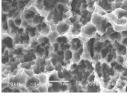
Taper body offers High initial stability Increase initial stability in soft bone

Corkscrew thread: Powerful Self threading

Limited insertion torque: 40Ncm







We recommend that the fixture with over 4.5mm diameter is used for single case in Molar.







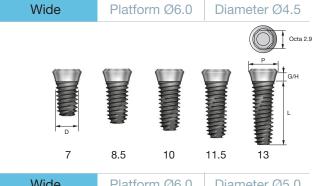
Р	Ø4.8			
D	Ø3	3.5		
L G/H	1.8	2.8		
7	-	-		
8.5	SS3R3508S18	SS3R3508S28		
10	SS3R3510S18	SS3R3510S28		
11.5	SS3R3511S18	SS3R3511S28		
13	SS3R3513S18	SS3R3513S28		

Regula					meter Ø4.0
	7	8.5	10	11.5	Octa 2.9 P G/H

Р	Ø4.8			
D	Ø4.0			
L G/H	1.8	2.8		
7	SS3R4007S18	-		
8.5	SS3R4008S18	SS3R4008S28		
10	SS3R4010S18	SS3R4010S28		
11.5	SS3R4011S18	SS3R4011S28		
13	SS3R4013S18	SS3R4013S28		



Р	Ø4.8			
D	Ø4	1.5		
L G/H	1.8	2.8		
7	SS3R4507S18	-		
8.5	SS3R4508S18	SS3R4508S28		
10	SS3R4510S18	SS3R4510S28		
11.5	SS3R4511S18	SS3R4511S28		
13	SS3R4513S18	SS3R4513S28		



Р	Ø6.0
D	Ø4.5
L G/H	2.0
7	SS3W4507S20
8.5	SS3W4508S20
10	SS3W4510S20
11.5	SS3W4511S20
13	SS3W4513S20

W	Vide Platform Ø6.0 Diameter Ø5				
Short	D				Octa 2.9 P G/H
6	7	8.5	10	11.5	13

Р	Ø6.0
D	Ø5.0
L G/H	2.0
6 (Short)	SS3W5006S20
7	SS3W5007S20
8.5	SS3W5008S20
10	SS3W5010S20
11.5	SS3W5011S20
13	SS3W5013S20

Note: Short implant require sufficient curing period and, in the process of prosthesis, should be used splinting with another implant.







Cover Screw

Ø4.8 Ø6.0

1.2

1.48

1.48

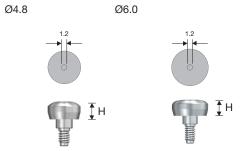
1.48

Platform	Ø4.8	Ø6.0
Code	SSCS480	SSCS600

Use 1.2 (regular and wide) hex drivers

Packing unit : Cover Screw Tightening torque : 5-8 Ncm

Healing Abutment



H Platform	Ø4.8	Ø6.0
2.0	SSH482	-
3.0	SSH483	SSH603
4.0	SSH484	SSH604
5.0	SSH485	SSH605

Use a 1.2 hex driver

Packing unit : Healing Abutment Tightening torque : 5-8 Ncm

Solid Abutment Components

Solid Abutment

Cement Retained Restoration

Ø4.8 Ø6.0



H Platform	Ø4.8	Ø6.0
4.0	SSS484	SSS604
5.5	SSS485	SSS605
7.0	SSS487	

Use for making general cement-type prosthesis.

Abutment and screw in one

8° Morse taper design with stable connection

Cross-section design for the prevention of prosthesis rotation

Ø4.8: Use a solid abutment driver.

Ø6.0: Use a 1.2 hex driver.

Packing unit: Abutment + Healing cap

Tightening torque: 30 Ncm

Order code - Abutment + Healing cap : Product code + P (ex : SSS485P)

Solid Protect Cap

Ø4.8 Ø6.0



H	Ø4.8	Ø6.0
4.0	SSC484	SSC604
5.5	SSC485	SSC605
7.0	SSC487	

Use for the protection of solid abutments in the oral cavity and to minimize the patient's discomfort.

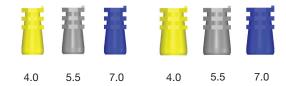
Applicable as a substructure of temporary prosthesis

Convenient locking

Packing unit: Protect Cap

Solid Impression Coping

Ø4.8 Ø6.0



H Platform	Ø4.8	Ø6.0
4.0	SSIC484	SSIC604
5.5	SSIC485	SSIC605
7.0	SSIC487	

Solid abutment component for taking an impression

Color indication enables the easy identification of abutments of varying

lengths 4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)

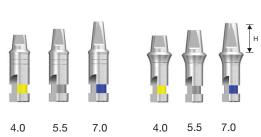
Packing unit: Impression Coping

Solid Positioning Cylinder + Solid Impression Cap

= Solid Impression Coping

Solid Lab Analog

Ø4.8 Ø6.0



H Platform	Ø4.8	Ø6.0
4.0	SSSA484	SSSA604
5.5	SSSA485	SSSA605
7.0	SSSA487	

Make aesthetic oral abutments on the working model

Small groove for indication of G/H

Color-coding enables the easy identification of abutments of varying lengths 4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)

Packing unit: Lab Analog

Solid Burn-out Cylinder

Ø4.8 Ø6.0



Type	Ø4.8	Ø6.0
Single	SSSP480S	SSSP600S
Bridge	SSSP480B	SSSP600B

Usa as a framework of prosthesis by connecting to solid lab analogs Color indication facilitates the identification of different cases

Single (Red color), Bridge (White color)

After prosthetic casting, the margin may be adjusted by a special-purpose reamer

Packing unit: Plastic Coping

Solid Impression Cap

Ø4.8 Ø6.0



Platform	Ø4.8	Ø6.0
Code	SSIP480	SSIP600

Solid abutment components for taking an impression Use by connecting to solid positioning cylinders.

Convenient locking

Packing unit: Impression Cap





Solid Shoulder Analog

Ø6.0 Ø4.8

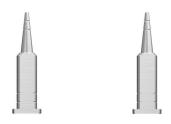


Platform	Ø4.8	Ø6.0
Code	SSSLA480	SSSLA600

Impression components used for cutting solid abutment Make a fixture platform on the working model Packing unit: Shoulder Analog

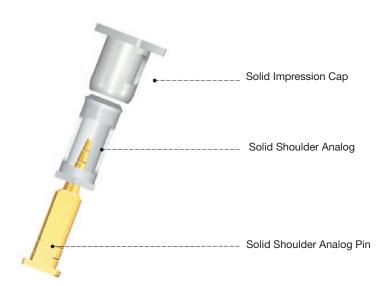
Solid Shoulder Analog Pin

Ø4.8 Ø6.0



Platform	Ø4.8	Ø6.0
Code	SSSAP480	SSSAP600

Impression components used for cutting solid abutments Use by connecting to solid shoulder analogs Supplementary component for preventing fracture on a working model Packing unit: Shoulder Analog Pin

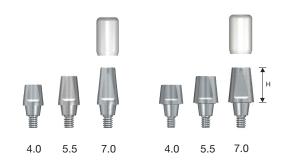


^{*} Impression components for modified Solid Abutment

Excellent Solid Abutment Components

Excellent Solid Abutment

Cement Retained Restoration Ø4.8 Ø6.0



H	Ø4.8	Ø6.0
4.0	SSE484	SSE604
5.5	SSE485	SSE605
7.0	SSE487	

Advantageous for the modification of abutments into larger volume than solid abutments

Abutment and screw in one

8° Morse taper design with stable connection

Cross-section design for the prevention of prosthesis rotation

Ø4.8 : Use an Excellent Solid abutment driver.

Ø6.0 : Use a 1.2 hex driver.

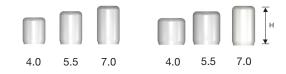
Packing unit: Abutment + Protect Cap

Tightening torque: 30 Ncm

Order code - Abutment + Healing cap: Product code + P (ex : SSE485P)

Excellent Solid Protect Cap

Ø4.8 Ø6.0



H Platform	Ø4.8	Ø6.0
4.0	SSEC484	SSEC604
5.5	SSEC485	SSEC605
7.0	SSEC487	

Use for the protection of Excellent Solid abutments in the oral cavity and to minimize the patient's discomfort

Applicable as a substructure of temporary prosthesis

Convenient locking

Packing unit : Protect Cap





Excellent Solid Impression Coping

Ø4.8 Ø6.0



H	Ø4.8	Ø6.0
4.0	SSEIC484	SSEIC604
5.5	SSEIC485	SSEIC605
7.0	SSEIC487	

Excellent Solid abutment component for taking an impression Color indication enables the easy identification of abutments of varying lengths

4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)

Packing unit: Impression Coping

Excellent Solid Positioning Cylinder + Excellent Solid Impression Cap

= Solid Impression Coping

Excellent Solid Lab Analog

Ø4.8			Ø6.0		
					T H
4.0	5.5	7.0	4.0	5.5	7.0

H	Ø4.8	Ø6.0
4.0	SSEA484	SSEA604
5.5	SSEA485	SSEA605
7.0	SSEA487	

Make aesthetic oral abutments on the working model Small groove for indication of G/H

Color-coding enables the easy identification of abutments of varying lengths 4.0mm(Yellow), 5.5mm(Gray), 7.0mm(Blue)

Packing unit: Lab Analog

Excellent Solid Plastic Coping

Bridge

Single

Ø4.8 Ø6.0

Single

Bridge

Type Platform	Ø4.8	Ø6.0
Single	SSEP480S	SSEP600S
Bridge	SSEP480B	SSEP600B

Use as a framework of prosthesis by connecting with Excellent Solid lab analogs

Color indication facilitates the identification of different cases Single (Red), Bridge (White)

After prosthetic casting, the margin is adjusted by a special-purpose reamer Packing unit: Plastic Coping





Excellent Solid Impression Cap

Ø4.8 Ø6.0





Platform	Ø4.8	Ø6.0
Code	SSEIP480	SSEIP600

Excellent Solid abutment component for taking an impression Use by connecting to Excellent Solid positioning cylinders Convenient locking

Packing unit: Impression Cap

Excellent Solid Shoulder Analog

Ø4.8 Ø6.0





Platform	Ø4.8	Ø6.0
Code	SSELA480	SSELA600

Impression components used for cutting Excellent Solid abutments Make a fixture platform on a working model

Packing unit: Shoulder Analog

Excellent Solid Shoulder Analog Pin

Ø4.8 Ø6.0





Platform	Ø4.8	Ø6.0
Code	SSEAP480	SSEAP600

Impression components used for cutting Excellent Solid abutments
Use by connecting to Excellent Solid shoulder analogs
Supplementary components for preventing fracture on a working model
Packing unit: Shoulder Analog Pin





ComOcta Abutment

Cement Retained Restoration



Platform		Ø4.8	
Н	Туре	Octa	Non-Octa
4.	.0	SSCA484	SSCA484N
5.5		SSCA485	SSCA485N
7.0		SSCA487	SSCA487N
Screw	Ti ASR200*		200*
Screw	EbonyGold	ASR200W	



Platform		Ø6.0	
Н Туре		Octa	Non-Octa
4.0		SSCA604	SSCA604N
5.5 SSCA		SSCA605	SSCA605N
Screw	Ti	ASR200*	
Screw	EbonyGold	ASR2	200W

Use for making general cement-type prosthesis

Cross-section design for the prevention of prosthesis rotation

 $8\,^{\circ}$ Morse taper design with stable connection

Use a 1.2 hex driver

Packing unit : Abutment + Ti screw Tightening torque : 30 Ncm

Order code - Abutment + Ti screw: Product code + TH (ex : SSCA485TH)

EbonyGold Screw : Can be purchased separately



ComOcta Plus Abutment

Cement Retained Restoration



G/H	Platform	Ø4.8	Ø6.0
2.0		SSCAP4826C	SSCAP6026C
4.0		SSCAP4846C	SSCAP6046C
Screw		ASR	200*
Screw	EbonyGold	ASR	200W

Use for thick gingiva and in case of deeply grafted fixtures

Gingival gold color for aesthetic effect

Shoulder contact with the fixture platform

Use a 1.2 hex driver

Packing unit: Abutment + Ti screw Tightening torque: 30 Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : SSCAP4826CTH)

EbonyGold Screw: Can be purchased separately

ComOcta Angled Abutment Cement Retained Restoration



Angle Platform		Ø4.8	Ø6.0
15°		SSA4815	SSA6015
20°		SSA4820	SSA6020
Screw		ASS200*	
Screw	EbonyGold	ASS2	200W

Use for the path adjustment of prosthesis.

8° Morse taper design with stable connection

Since screw loosening occurs somewhat frequently, EbonyGold screw is recommended

Use a 1.2 hex driver

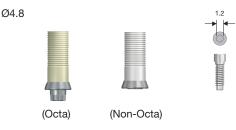
Packing unit: Abutment + Ti Screw

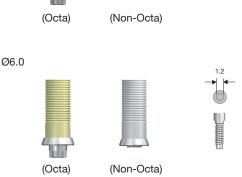
Tightening torque: 30 Ncm

Order code - Abutment + Ti screw: Product code + TH (ex: SSA4815TH)

EbonyGold Screw: Can be purchased separately

ComOcta Gold Abutment Screw or Cement Retained Restoration





Туре	Platform	Ø4.8	Ø6.0
Octa		COG480S	COG600S
Non-Octa		COG480B	COG600B
Screw Ti EbonyGold		ASR200*	
		ASR200W	

Use for cases with path and aesthetic and spatial constraints Shoulder contact with the fixture platfrom

After customization, be sure to use only dental gold alloy for casting to make the prosthesis

Melting point range of abutments (Au, Pt, Pd Alloy): 1400 - 1450C (use of non-precious metal alloy for casting prohibited)

Use non-Octa type for an excessively dislocated path

Use a 1.2 hex driver

Packing unit: Abutment + Ti Screw Tightening torque: 30 Ncm

Order code - Abutment + Ti screw : Product code + TH (ex : COG480STH)

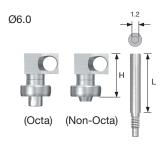
EbonyGold Screw: Can be purchased separately





Fixture pick-up Impression Coping

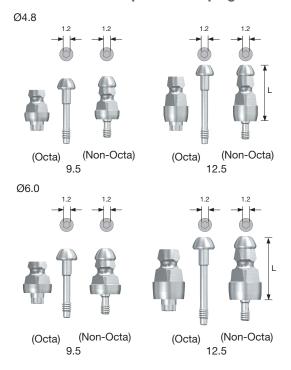




Platf	orm	Ø4.8	Ø6.0
Oc	ta	SSICA480	SSICA600
Non-	Octa	SSICA480N	SSICA600N
	10	C	SR100
Guide Pin (L)	15	CSR150*	
	17	CSR170	

Pick-up type for taking an impression using a customized tray Impression coping designed with Hole-in-one; no need for resin fixation Asymmetrical structure minimizing contact interference () Packing unit: Impression Coping Body + Guide Pin

Fixture Transfer Impression Coping



L	Type	Ø4.8	Ø6.0
0.5	Octa	SSCTIS480	SSCTIS600
9.5	Non-Octa	SSCTIS480N	SSCTIS600N
10.5	Octa	SSCTIL480	SSCTIL600
12.5	Non-Octa	SSCTIL480N	SSCTIL600N

Transfer type for taking an impression using a ready-made tray
Triangular arc () design improves markability following impression
Long and short types enhance convenience
The hex type is designed as a two-piece, and the non-hex type, as a one-

Packing unit : Impression Coping Body + Guide Pin (Octa)
Impression Coping (Non-Octa)

Fixture Lab Analog



Platform	Ø4.8	Ø6.0
Code	SSFA480	SSFA600

Oral fixtures are built on the working model Small Groove for indication of G/H

Color-coding enables the easy identification of platform size of varying lengths $\emptyset 4.8 (Green)$, $\emptyset 6.0 (Blue)$

Packing unit: Lab Analog

g Abutment Components

O-ring Abutment Set

Overdenture Restoration



	Platform
G/H	Ø4.8
0	SSRA000S
2	SSRA200S
4	SSRA400S

Packing unit: Stud Abutment + Retainer Cap Set Maximum path compensation of 20°

• Can be used with two types of retention force • Excellent retention force with solid denture placement

Code

Packing unit: Retainer cap + O-ring

O-ring Retainer Cap Set











* Includes retainer cap and O-rings (for laboratory, low retention and high retention)

O-ring Retainer Set









Code OARS

OARCS

OAO100S

More advantageous for smaller occlusal gap compared to a retainer cap Packing unit: Retainer + O-ring

O-ring Set

O-ring (for laboratory)



Code Used for production of overdentures Packing unit: O-ring 5 piece

O-ring (Low retention)



Code OAO400S

Oral O-ring with low retention force (approximately 4N) Packing unit: O-ring 5 piece

O-ring (High retention)

OAO600S Code

Oral O-ring with high retention force (approximately 6N) Packing unit: O-ring 5 piece

O-ring Lab Analog



Code OAL

Making oral O-ring abutments on the working model Packing unit: Lab Analog

ATOR Components

HS LOCATOR Abutment

Overdenture Restoration

Regular

P: Ø4.8



	Platform
G/H	Ø4.8
0.7	HSLCA4810R
2	HSLCA4820R
3	HSLCA4830R
4	HSLCA4840R

Packing Unit: Locator Abutment

Stable dual retention & optimal holding capabilities against various retention

forces (6N, 12N, 22N) **Excellent durability**

Possible denture restorations even at small vertical dimension Accommodate up to 40° divergence between two implants Retention males can be easily placed & removed with core tool

Tightening torque: 30Ncm

Can be used in SS system & HS system

LOCATOR Male Pro	cessing Kit
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Code	LMPS
------	------

Packing Unit: Locator Male Processing Kit (2 Set)

-Block out Spacer/Denture Cap connected Black Processing Male

-Replacement Male Blue/Pink/Clear Male Change by Locator Core Tool

LOCATOR Replacement Male







Code	LRM06S

Packing Unit: Blue Replacement Male (4ea)

Retention Force: about 6N

0°~20° divergence (between two implants)

Code	LRM12S
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Packing Unit: Pink Replacement Male (4ea)

Retention Force: about 12N

0°~20° divergence (between two implants)

Code	LRM22S

Packing Unit: clear Replacement Male (4ea)

Retention Force: about 22N

0°~20° divergence (between two implants)

LOCATOR Extended Replacement Male

Code LEM06S

Packing Unit: Red Extended Replacement Male (4ea)

Retention Force : about 6N

20°~40° divergence (between two implants)

Packing Unit: Green Extended Replacement Male (4ea)

Retention Force : about 12N

20°~40° divergence (between two implants)

LOCATOR Black Processing Male

Code

Packing Unit: black processing Male (4ea)

For lab. process

LOCATOR Block out spacers

Code LBSS

Packing Unit: Locator Block out spacers (20ea)

For Space Sealing between Locator Abutment & Denture Cap



LOCATOR Impression Coping

Code

Packing Unit: Locator Impression Coping (4ea)

For Abutment level impression



LOCATOR lab Analog

Code	LAL40S
	LAL50S



Packing Unit: Locator lab Analog (4ea)







LOCATOR Core Tool

Code	LCCT



Packing Unit: Locator Core Tool For handling of locator system

LOCATOR Torque Driver

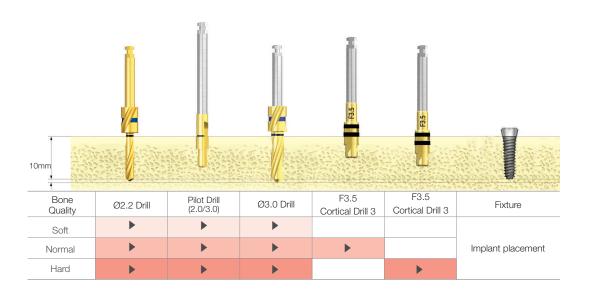


Type	Short	Long
Code	TWLDS	TWLDL

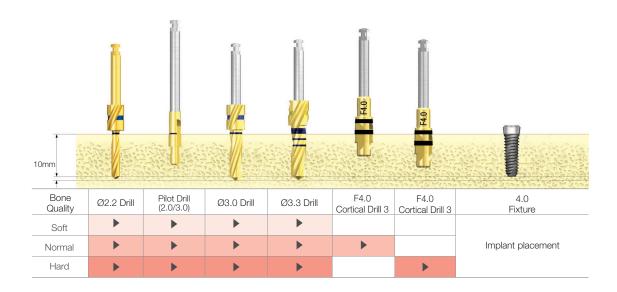
Packing Unit: Locator Torque Driver For tightening of Locator Abutment Select the Short / Long length

Drilling Sequence for SSIII - Straight Drill

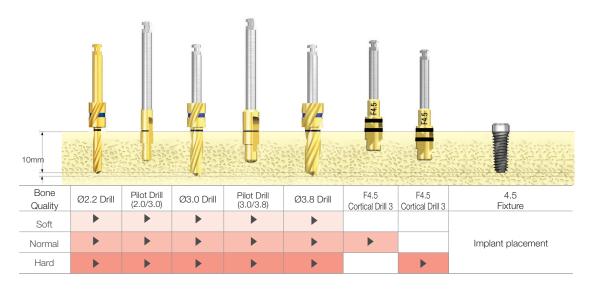
Ø3.5mm Fixture (Length:10mm)



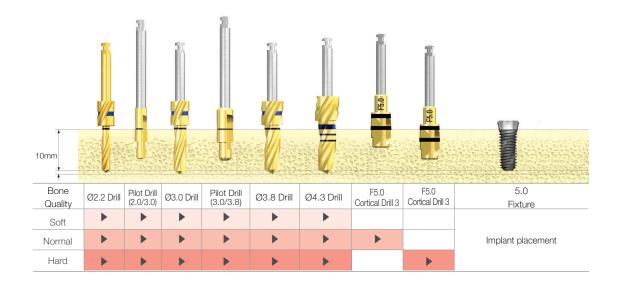
Ø4.0mm Fixture (Length:10mm)



Ø4.5mm Fixture (Length:10mm)

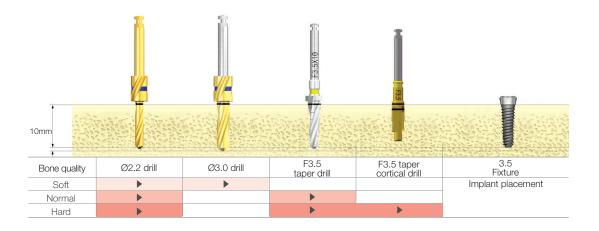


Ø5.0mm Fixture (Length:10mm)

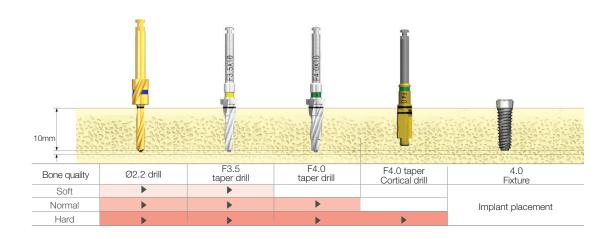


Drilling Sequence for SSIII - Taper Drill

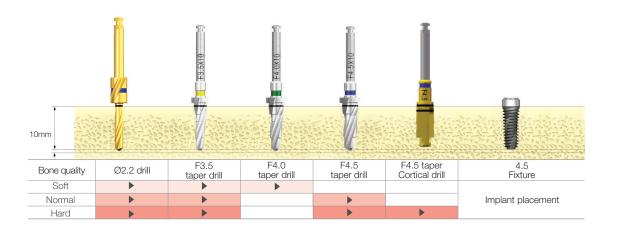
Ø3.5mm Fixture (Length:10mm)



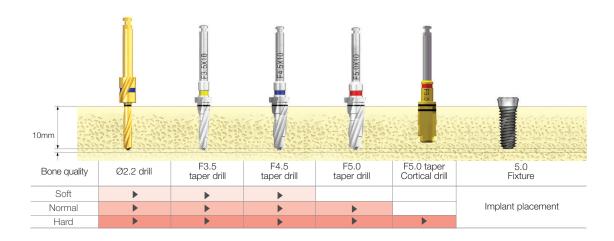
Ø4.0mm Fixture (Length:10mm)



Ø4.5mm Fixture (Length:10mm)

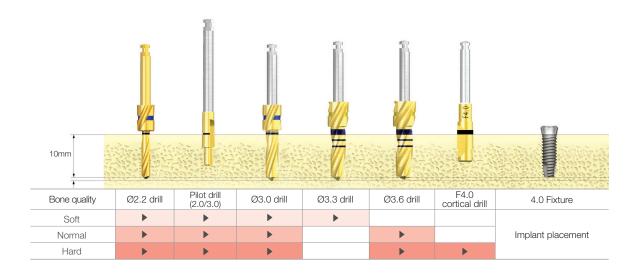


Ø5.0mm Fixture (Length:10mm)

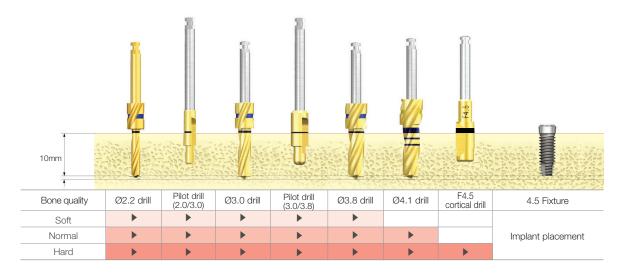


Drilling Sequence for SSII

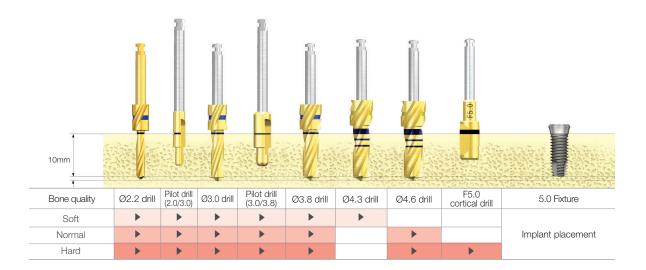
Ø4.0mm Fixture (Length:10mm)



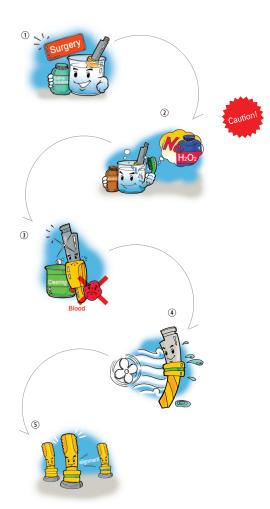
Ø4.5mm Fixture (Length:10mm)



Ø5.0mm Fixture (Length:10mm)



How to Maintain Surgical KIT



- ① During the surgery, be sure to keep the used tools in saline or distilled water.
- After the surgery, wash all tools used in the surgery in alcohol.
 Caution: Do NOT use hydrogen peroxide.
 Exposure to hydrogen peroxide may cause discoloration of the laser marking and/or TiN coating.
- ^③ Wash the tool with distilled water or under running water until all blood stains and/or foreign objects are removed.
- ⁽⁴⁾ Remove moisture completely with dry cloth or a warm fan.
- ⑤ Place the dried tools inside the Kit case. (Refer to the color-coding for easy placement.)
- ⑥ After drying the Kit in the Autoclave for 15 minutes at 132°c, store the Kit at room temperature.

Precautions

Separate, wash and store all tools used immediately after the surgery. It is advised to disinfect the Hiossen Surgical KIT again prior to the surgery (at 132°C for 15 minutes).

Although the Hiossen Surgical KIT is covered under the product warranty for one year after opening the Kit, all drills and drivers may be used up to 50 times only.

SS IMPLANT SYSTEM

