

ST™

by MEGA'GEN

11° internal hex connection

KnifeThread combined
with double thread

S-L-A surface
treatment for safety &
better bone growth





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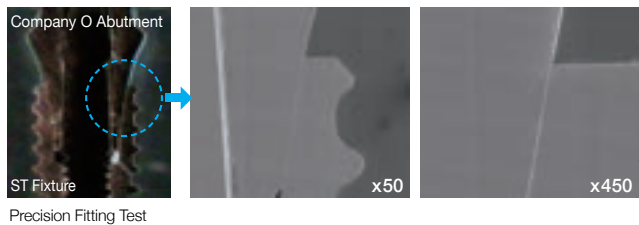


Characteristics & Advantages

I. Features

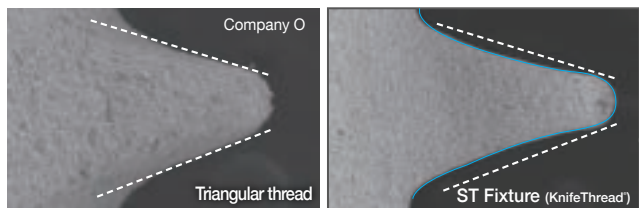
More economical

11° internal connection with high compatibility



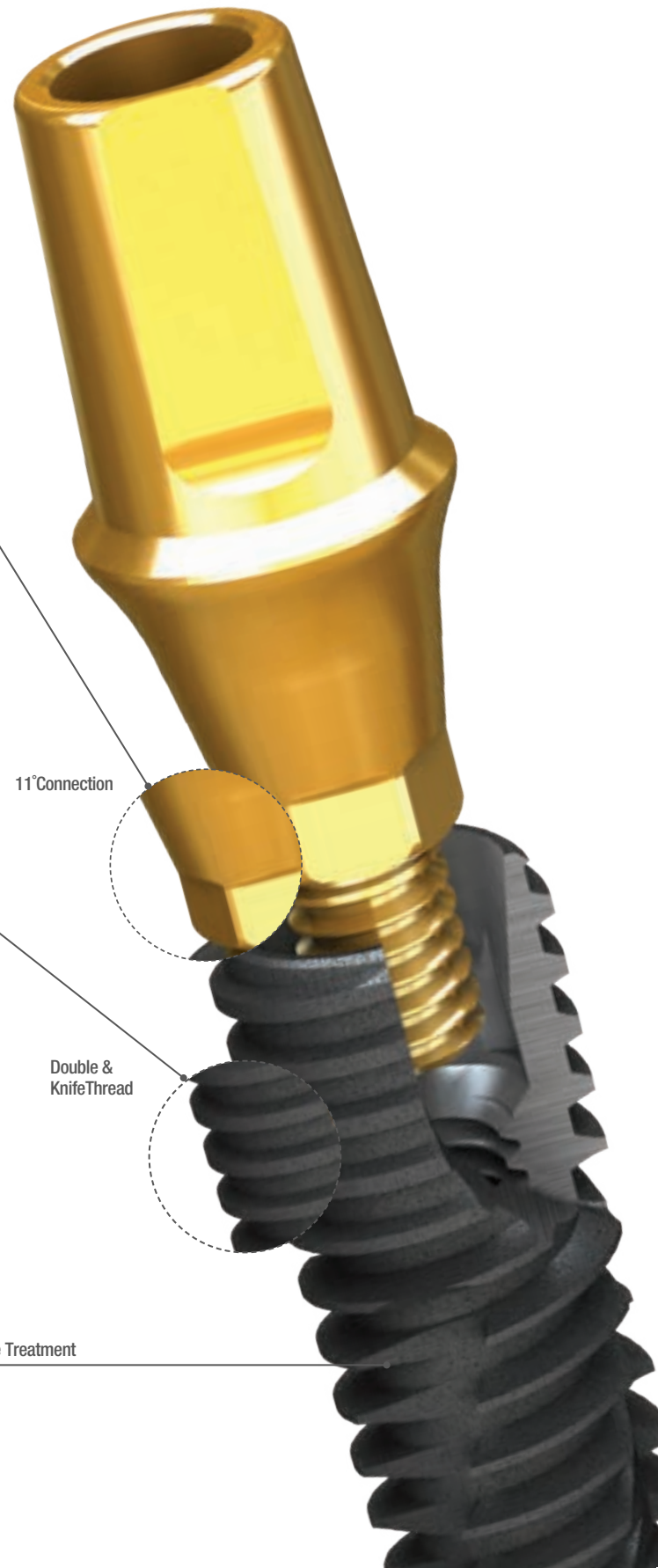
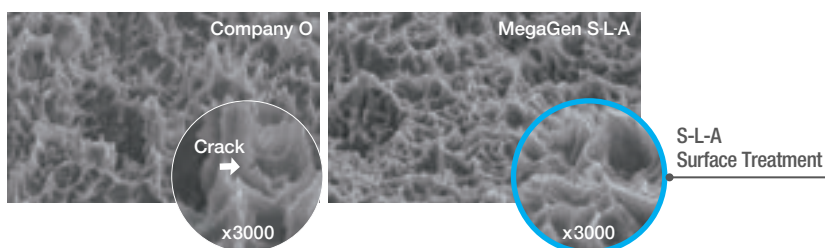
KnifeThread® is added to Double Thread

Thread design is very important for surgery as well as threading. The KnifeThread® of ST™ system has powerful self-threading capability that ensures initial stability, heightens resistance to compressive force, and minimizes the occurrence of shear force, leading to excellent load distribution.



S-L-A surface treatment based on advanced technology

- S-L-A surface morphology combines macro & micro roughness via blasting & etching processes
- Superior bone formation capability

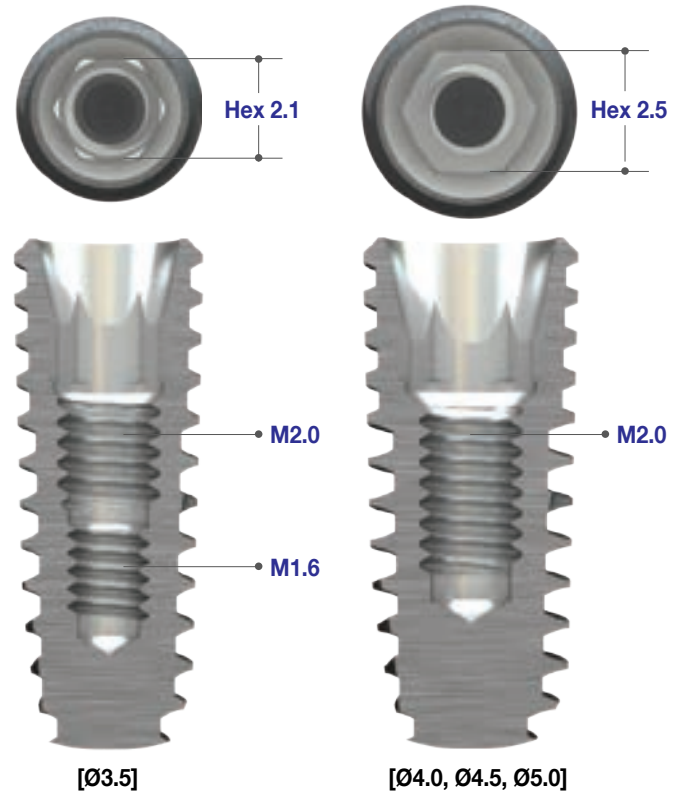


Fixture Product

I. Dimensions

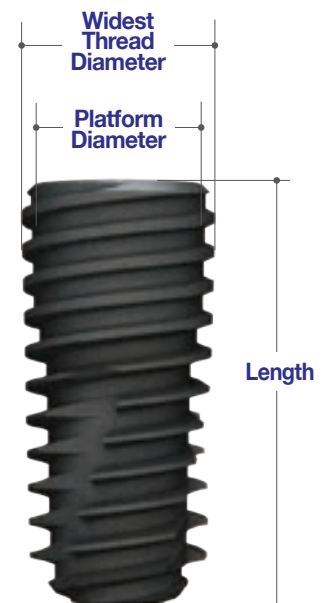
Platform Diameter & Female Screw

Type	Diameter(mm)	Hex(mm)	Thread
Mini	Ø3.5	2.1	M1.6 (M2.0)
Regular	Ø4.0	2.5	M2.0
	Ø4.5		
	Ø5.0		



Fixture Size Variation

Diameter(mm)	Widest thread Diameter	Length(mm)	Platform Diameter
Ø3.5	Ø3.7	8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø3.1
Ø4.0	Ø4.2	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø3.6
Ø4.5	Ø4.6	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø4.0
Ø5.0	Ø5.1	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø4.5



II. Sizes

Mini Ø3.5

- Provided with Cover Screw (STCSS)

Diameter(mm)	Length(mm)	Ref.C
Ø3.5	8.5	ST3508C
	10.0	ST3510C
	11.5	ST3511C
	13.0	ST3513C
	15.0	ST3515C



Regular Ø4.0

- Provided with Cover Screw (STCSR)

Diameter(mm)	Length(mm)	Ref.C
Ø4.0	7.0	ST4007C
	8.5	ST4008C
	10.0	ST4010C
	11.5	ST4011C
	13.0	ST4013C
	15.0	ST4015C



Regular Ø4.5

- Provided with Cover Screw (STCSR)

Diameter(mm)	Length(mm)	Ref.C
Ø4.5	7.0	ST4507C
	8.5	ST4508C
	10.0	ST4510C
	11.5	ST4511C
	13.0	ST4513C
	15.0	ST4515C



Regular Ø5.0

- Provided with Cover Screw (STCSR)

Diameter(mm)	Length(mm)	Ref.C
Ø5.0	7.0	ST5007C
	8.5	ST5008C
	10.0	ST5010C
	11.5	ST5011C
	13.0	ST5013C
	15.0	ST5015C



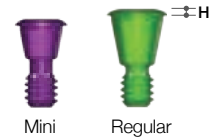
Cover Screw & Healing Abutment

Cover Screw

* Included in fixture package

- Hand driver (1.2 Hex) is used
- Used for submerged-type surgery
- Internal structure of fixture
- Recommended torque: by hand (5 - 8Ncm)

Height (mm)	Type	Ref.C
0.4	Mini	STCSS
	Regular	STCSR



Healing Abutment

- Hand Driver (1.2 Hex) is used
- Used for submerged-type surgery or two-stage surgery
- Various diameters & heights for different cases
- Forms appropriate emergence profile during gingival healing

Diameter(mm)	Type	Height(mm)	Ref.C
Ø4.0	Mini	3.0	STHA403M
		4.0	STHA404M
		5.0	STHA405M
		7.0	STHA407M
		9.0	STHA409M
Ø4.5	Mini	3.0	STHA453M
		4.0	STHA454M
		5.0	STHA455M
		7.0	STHA457M
		9.0	STHA459M
Ø4.0	Regular	3.0	STHA403R
		4.0	STHA404R
		5.0	STHA405R
		7.0	STHA407R
		9.0	STHA409R
Ø4.5	Regular	3.0	STHA453R
		4.0	STHA454R
		5.0	STHA455R
		7.0	STHA457R
		9.0	STHA459R
Ø5.0	Regular	3.0	STHA503R
		4.0	STHA504R
		5.0	STHA505R
		7.0	STHA507R
		9.0	STHA509R
Ø6.0	Regular	3.0	STHA603R
		4.0	STHA604R
		5.0	STHA605R
		7.0	STHA607R
		9.0	STHA609R
Ø7.0	Regular	3.0	STHA703R
		4.0	STHA704R
		5.0	STHA705R
		7.0	STHA707R
		9.0	STHA709R



Abutment & Prosthetic Options

I. Fixture-level Prosthesis



EZ Post Abutment



Angled Abutment



Temporary Abutment
[Titanium]



Lab Analog



Impression Coping
[Transfer/2piece]



Impression Coping
[Pick-up]



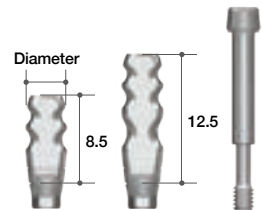
➔ Abutment Options & Components (Continued)

Impression Coping (Transfer Type)

- Guide Pins : STTIG1611 (Mini/ 11mm)
STTIG1615 (Mini/ 15mm),
STTIG2011 (Regular/ 11mm), and
STTIG2015 (Regular/ 15mm) in 2-piece type
are included.

- Easy to transfer due to streamlined shape
- Anti-rotation grooves are aligned with fixture hex direction
- Use transfer impression coping driver & hand driver (1.2 Hex) for accurate tightening of impression coping

Diameter (mm)	Type	Height(mm)	Ref.C
Ø4.0	Mini	11	STTIM4011T
		15	STTIM4015T
Ø4.5	Mini	11	STTIM4511T
		15	STTIM4515T
Ø4.0	Regular	11	STTIS4011T
		15	STTIS4015T
Ø4.5	Regular	11	STTIS4511T
		15	STTIS4515T
Ø5.0	Regular	11	STTIS5011T
		15	STTIS5015T
Ø6.0	Regular	11	STTIS6011T
		15	STTIS6015T
Ø7.0	Regular	11	STTIS7011T
		15	STTIS7015T



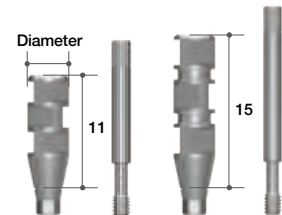
➔ Abutment Options & Components (Continued)

Impression Coping (Pick-up Type)

- Guide Pins : STPIG1611(Mini / 11mm),
STPIG1615(Mini/ 15mm),
STPIG2011(Regular/11mm), and
STPIG2015(Regular/15mm) are included.

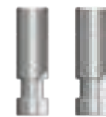
- Accurate impression-taking due to square structure
- Designed for easy & accurate impression-taking

Diameter (mm)	Type	Height(mm)	Ref.C
Ø4.0	Mini	Hex	11 STPIM4011T
		Hex	15 STPIM4015T
Ø4.0	Mini	Non-Hex	11 STPIM4011NT
		Non-Hex	15 STPIM4015NT
Ø4.5	Mini	Hex	11 STPIM4511T
		Hex	15 STPIM4515T
Ø4.5	Mini	Non-Hex	11 STPIM4511NT
		Non-Hex	15 STPIM4515NT
Ø4.0	Regular	Hex	11 STPIS4011T
		Hex	15 STPIS4015T
Ø4.0	Regular	Non-Hex	11 STPIS4011NT
		Non-Hex	15 STPIS4015NT
Ø4.5	Regular	Hex	11 STPIS4511T
		Hex	15 STPIS4515T
Ø4.5	Regular	Non-Hex	11 STPIS4511NT
		Non-Hex	15 STPIS4515NT
Ø5.0	Regular	Hex	11 STPIS5011T
		Hex	15 STPIS5015T
Ø5.0	Regular	Non-Hex	11 STPIS5011NT
		Non-Hex	15 STPIS5015NT
Ø6.0	Regular	Hex	11 STPIS6011T
		Hex	15 STPIS6015T
Ø6.0	Regular	Non-Hex	11 STPIS6011NT
		Non-Hex	15 STPIS6015NT
Ø7.0	Regular	Hex	11 STPIS7011T
		Hex	15 STPIS7015T
Ø7.0	Regular	Non-Hex	11 STPIS7011NT
		Non-Hex	15 STPIS7015NT



Lab Analog

Diameter (mm)	Type	Ref.C
Ø3.5	Mini	STTLA350
Ø4.0	Regular	STTLA400

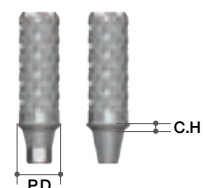


Temporary Abutment (Titanium)

- Abutment Screw is included
(Mini: STABSM / Regular: STABSS)

- To fabricate provisional restorations post area is designed to increase adhesive property of resin.

Profile Diameter(mm)	Type	Cuff Height(mm)	Ref.C
Ø4.0	Mini	Hex	1 STTA4010T
		Hex	3 STTA4030T
Ø4.0	Mini	Non-Hex	1 STTA4010NT
		Non-Hex	3 STTA4030NT
Ø4.5	Regular	Hex	1 STTA4510T
		Hex	3 STTA4530T
Ø4.5	Regular	Non-Hex	1 STTA4510NT
		Non-Hex	3 STTA4530NT

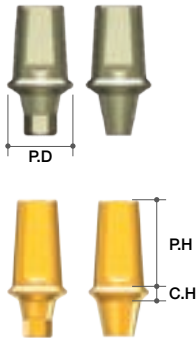


EZ Post Abutment

- Abutment Screw is included.
(Mini : STABSM / Regular : STABSS)

For cement-retained restoration:

- Post heights: 4.0, 5.5, 7.0mm
- Profile diameters: Ø4.5, Ø5.0, Ø6.0, Ø7.0
- Cuff heights: 1, 2, 3, 4, 5mm
- Aesthetic appearance realized via anodizing
- Non-hex abutments have no anti-rotation feature, and are contraindicated for single-unit restoration
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm



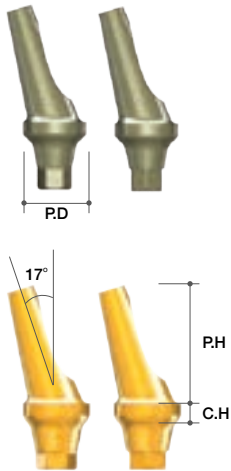
Profile Diameter(mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.5	Mini	Hex	1	STE44611T
			2	STE44621T
			3	STE44631T
			4	STE44641T
			5	STE44651T
	Mini	Non-Hex	1	STE44711T
			2	STE44721T
			3	STE44731T
			4	STE44741T
			5	STE44751T
Ø4.5	Regular	Hex	1	STEAS4611T
			2	STEAS4621T
			3	STEAS4631T
			4	STEAS4641T
			5	STEAS4651T
	Regular	Non-Hex	1	STEAS4711T
			2	STEAS4721T
			3	STEAS4731T
			4	STEAS4741T
			5	STEAS4751T
Ø4.5	Mini	Hex	1	STE44611NT
			2	STE44621NT
			3	STE44631NT
			4	STE44641NT
			5	STE44651NT
	Mini	Non-Hex	1	STE44711NT
			2	STE44721NT
			3	STE44731NT
			4	STE44741NT
			5	STE44751NT
Ø4.5	Regular	Hex	1	STEAS4611NT
			2	STEAS4621NT
			3	STEAS4631NT
			4	STEAS4641NT
			5	STEAS4651NT
	Regular	Non-Hex	1	STEAS4711NT
			2	STEAS4721NT
			3	STEAS4731NT
			4	STEAS4741NT
			5	STEAS4751NT
Ø5.0	Regular	Hex	1	STE55410T
			2	STE55420T
			3	STE55430T
			4	STE55440T
			5	STE55450T
	Regular	Non-Hex	1	STE55610T
			2	STE55620T
			3	STE55630T
			4	STE55640T
			5	STE55650T
Ø5.0	Mini	Hex	1	STE55410NT
			2	STE55420NT
			3	STE55430NT
			4	STE55440NT
			5	STE55450NT
	Mini	Non-Hex	1	STE55610NT
			2	STE55620NT
			3	STE55630NT
			4	STE55640NT
			5	STE55650NT

Profile Diameter(mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø5.0	Regular	Non-Hex	1	STE55410NT
			2	STE55420NT
			3	STE55430NT
			4	STE55440NT
			5	STE55450NT
	Regular	Hex	1	STE55610NT
			2	STE55620NT
			3	STE55630NT
			4	STE55640NT
			5	STE55650NT
Ø6.0	Regular	Hex	1	STE66410T
			2	STE66420T
			3	STE66430T
			4	STE66440T
			5	STE66450T
	Regular	Non-Hex	1	STE66610T
			2	STE66620T
			3	STE66630T
			4	STE66640T
			5	STE66650T
Ø6.0	Mini	Hex	1	STE66410NT
			2	STE66420NT
			3	STE66430NT
			4	STE66440NT
			5	STE66450NT
	Mini	Non-Hex	1	STE66610NT
			2	STE66620NT
			3	STE66630NT
			4	STE66640NT
			5	STE66650NT
Ø7.0	Regular	Hex	1	STE77610T
			2	STE77620T
			3	STE77630T
			4	STE77640T
			5	STE77650T
	Regular	Non-Hex	1	STE77810T
			2	STE77820T
			3	STE77830T
			4	STE77840T
			5	STE77850T
Ø7.0	Mini	Hex	1	STE77610NT
			2	STE77620NT
			3	STE77630NT
			4	STE77640NT
			5	STE77650NT
	Mini	Non-Hex	1	STE77810NT
			2	STE77820NT
			3	STE77830NT
			4	STE77840NT
			5	STE77850NT

➔ Abutment Options & Components

Angled Abutment

- Abutment Screw is included
(Mini : STABSM / Regular : STABSS)
- Only one angle available: 17°
- Various diameters: Ø4.5, 5.0, 6.0
- Various cuff heights: 2mm, 4mm
- Covers 12 different angles (Hex, Hex-E)
- Aesthetic appearance realized via anodizing
- More convenient to use as milling area is widened by minimizing screw head height
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm



Profile Diameter(mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C	
Ø4.5	Mini	Hex	2	STAA4520MBT	
			4	STAA4540MBT	
		Non-Hex	2	STAA4520MNT	
			4	STAA4540MNT	
Ø4.5	Regular	Hex	2	STAA4520BT	
			4	STAA4540BT	
		Non-Hex	2	STAA4520NT	
			4	STAA4540NT	
Ø5.0		Regular	Hex	2	STAA5020BT
				4	STAA5040BT
			Non-Hex	2	STAA5020NT
				4	STAA5040NT
Ø6.0	Regular		Hex	2	STAA6020BT
				4	STAA6040BT
			Non-Hex	2	STAA6020NT
				4	STAA6040NT

II. Digital Prosthesis

1. ZrGEN®

Variety



Sub Structure

Clinical Application

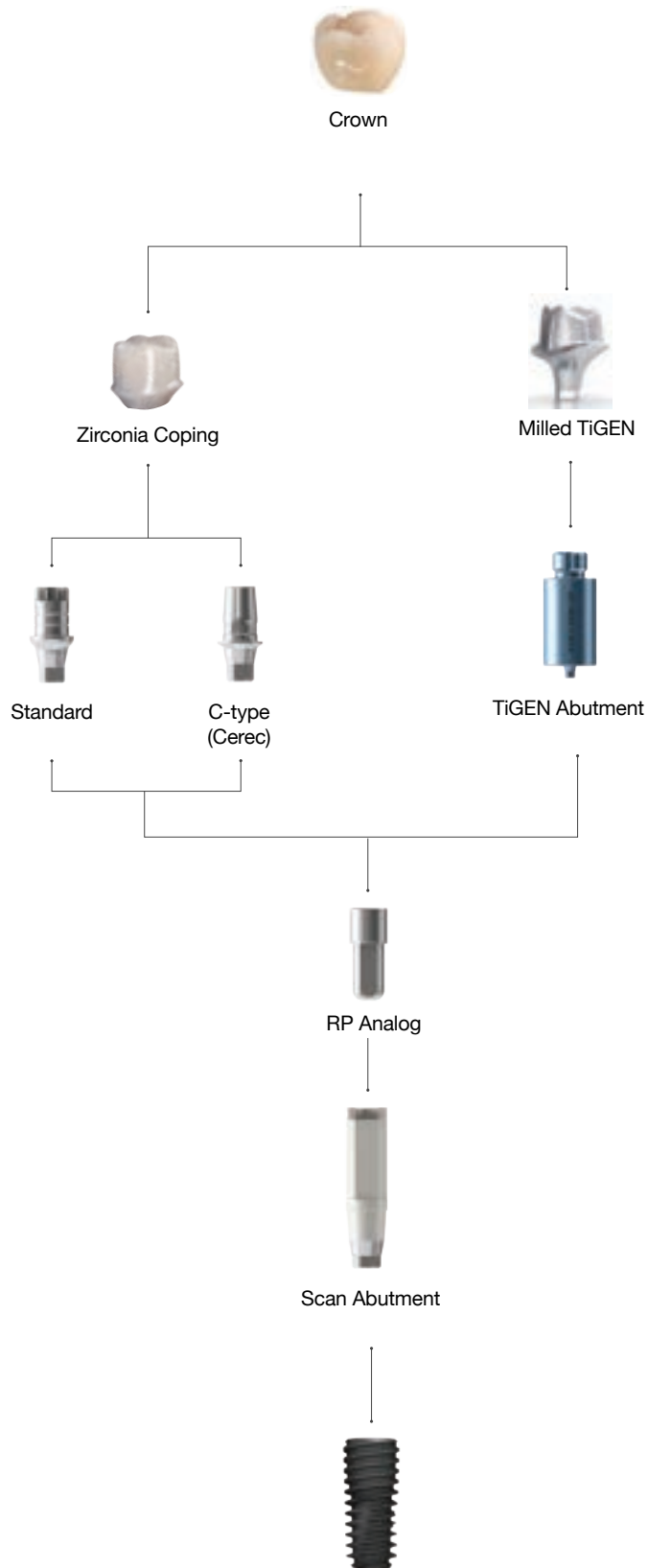


2. TiGEN®

- TiGEN® is brand name of MegaGen titanium customized abutment
- It promises outstanding durability & simplified dental implant prostheses
- Ready-made connection provides strong & precise connection with implant fixture



3. Digital Abutment & Components



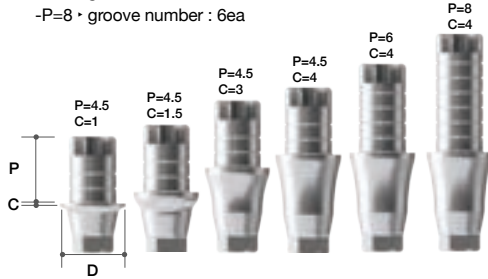
➔ Abutment & Prosthetic Option

ZrGEN Abutment

- Abutment Screw included.
ST(OSGSAS3110/OSGSAS3210)

Titanium Base

- 1Set(=Abutment 10ea)
 - included spare Abutment Screw
 - MiNi ZrGEN has special ZrGEN Screw
- Supporting DentalCAD
 - 3 Shape
 - Exocad
 - Dental Wing
- Different groove number depend on the post size
 - P=4.5 · groove number : 2ea
 - P=6 · groove number : 4ea
 - P=8 · groove number : 6ea

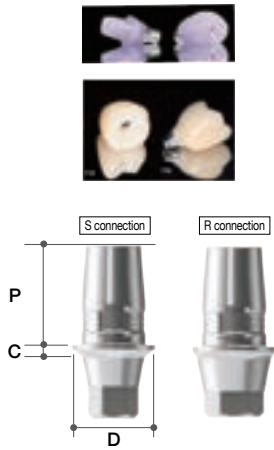


Standard

System	Diameter	Cuff Height	Post Height	Type	Ref.C
Small	4.0	0.6	4.5	Hex	OSGSPA3111.MTN
			6		OSGSPA3112.MTN
			8		OSGSPA3113.MTN
		1.5	4.5		OSGSPA3121.MTN
			6		OSGSPA3122.MTN
			8		OSGSPA3123.MTN
		3.0	4.5		OSGSPA3131.MTN
			6		OSGSPA3132.MTN
			8		OSGSPA3133.MTN
		4.0	4.5		OSGSPA3141.MTN
			6		OSGSPA3142.MTN
			8		OSGSPA3143.MTN
	4.0	0.6	4.5	Non-Hex	OSGSPA3111N.MTN
			6		OSGSPA3112N.MTN
			8		OSGSPA3113N.MTN
		1.5	4.5		OSGSPA3121N.MTN
			6		OSGSPA3122N.MTN
			8		OSGSPA3123N.MTN
		3.0	4.5		OSGSPA3131N.MTN
			6		OSGSPA3132N.MTN
			8		OSGSPA3133N.MTN
		4.0	4.5		OSGSPA3141N.MTN
			6		OSGSPA3142N.MTN
			8		OSGSPA3143N.MTN
ST	4.0	0.6	4.5	Hex	OSGSPA3211.MTN
			6		OSGSPA3212.MTN
			8		OSGSPA4018.MTN
		1.5	4.5		OSGSPA4025.MTN
			6		OSGSPA4026.MTN
			8		OSGSPA4028.MTN
		3.0	4.5		OSGSPA4035.MTN
			6		OSGSPA4036.MTN
			8		OSGSPA4038.MTN
		4.0	4.5		OSGSPA4045.MTN
			6		OSGSPA4046.MTN
			8		OSGSPA4048.MTN
	4.0	0.6	4.5	Non-Hex	OSGSPA3211N.MTN
			6		OSGSPA3212N.MTN
			8		OSGSPA4018N.MTN
		1.5	4.5		OSGSPA4025N.MTN
			6		OSGSPA4026N.MTN
			8		OSGSPA4028N.MTN
		3.0	4.5		OSGSPA4035N.MTN
			6		OSGSPA4036N.MTN
			8		OSGSPA4038N.MTN
		4.0	4.5		OSGSPA4045N.MTN
			6		OSGSPA4046N.MTN
			8		OSGSPA4048N.MTN
Regular	4.5	0.6	4.5	Hex	OSGSPA4515.MTN
			6		OSGSPA4516.MTN
			8		OSGSPA4518.MTN
		1.5	4.5		OSGSPA3221.MTN
			6		OSGSPA3222.MTN
			8		OSGSPA4528.MTN
		3.0	4.5		OSGSPA4535.MTN
			6		OSGSPA4536.MTN
			8		OSGSPA4538.MTN
		4.0	4.5		OSGSPA4545.MTN
			6		OSGSPA4546.MTN
			8		OSGSPA4548.MTN
	4.5	0.6	4.5	Non-Hex	OSGSPA4515N.MTN
			6		OSGSPA4516N.MTN
			8		OSGSPA4518N.MTN
		1.5	4.5		OSGSPA3221N.MTN
			6		OSGSPA3222N.MTN
			8		OSGSPA4528N.MTN
		3.0	4.5		OSGSPA4535N.MTN
			6		OSGSPA4536N.MTN
			8		OSGSPA4538N.MTN
		4.0	4.5		OSGSPA4545N.MTN
			6		OSGSPA4546N.MTN
			8		OSGSPA4548N.MTN

- ZrGEN Abutment

- Ti-base for Sirona Cerec users → CEREC
- In in Lab CAD Software, with Camlog Xive library



C-Type

System	Connection	Diameter	Cuff Height	Post Height	Post Size	Ref.C
ST	S connection	3.9	0.5	4.7	Small	STCSS3405.MTN
			1			STCSS3410.MTN
			2			STCSS3420.MTN
		4.3	0.5			STCSS3805.MTN
			1			STCSS3810.MTN
			2			STCSS3820.MTN
	R connection	3.9	0.5		Small	STCSR3405.MTN
			1			STCSR3410.MTN
			2			STCSR3420.MTN
		4.3	0.5			STCSR3805.MTN
			1			STCSR3810.MTN
			2			STCSR3820.MTN
5.5	Large	0.5	STCLR4505.MTN			
		1	STCLR4510.MTN			
		2	STCLR4520.MTN			

TiGEN Abutment

- Abutment Screw included.
- ST(OSGSAS3110/OSGSAS3210)

- Pre-milled Abutment
- 1Set(=Abutment 10ea)
 - included spare Abutment Screw
- Supporting DentalCAD
 - 3Shape
 - Exocad
 - Dental Wings

Standard

System	Color	Diameter	Length	Type	Ref.C
ST	Small	Sky	10	Hex	OSTG3112.MTN
				Non-Hex	OSTG3112N.MTN
				Hex	OSTG3111.MTN
				Non-Hex	OSTG3111N.MTN
	Regular		12	Hex	OSTG3212.MTN
				Non-Hex	OSTG3212N.MTN
				Hex	OSTG3211.MTN
				Non-Hex	OSTG3211N.MTN

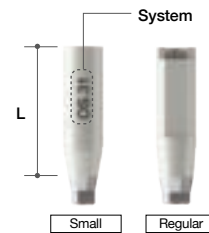


Scan Abutment

- Abutment Screw included.
- ST (OSGSAS3110/OSGSAS3210)

- For Chairside/ Labside
- Included spare Abutment Screw
- Supporting Dental CAD
 - 3 Shape
 - Exocad
 - Dental Wings

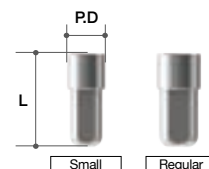
System	Profile Diameter	Length (mm)	Type	Ref.C
ST	4.0	9	Small	OSGSSC3110T
				OSGSSC3111T
		13	Regular	OSGSSC3210T
				OSGSSC3211T



RP Analog

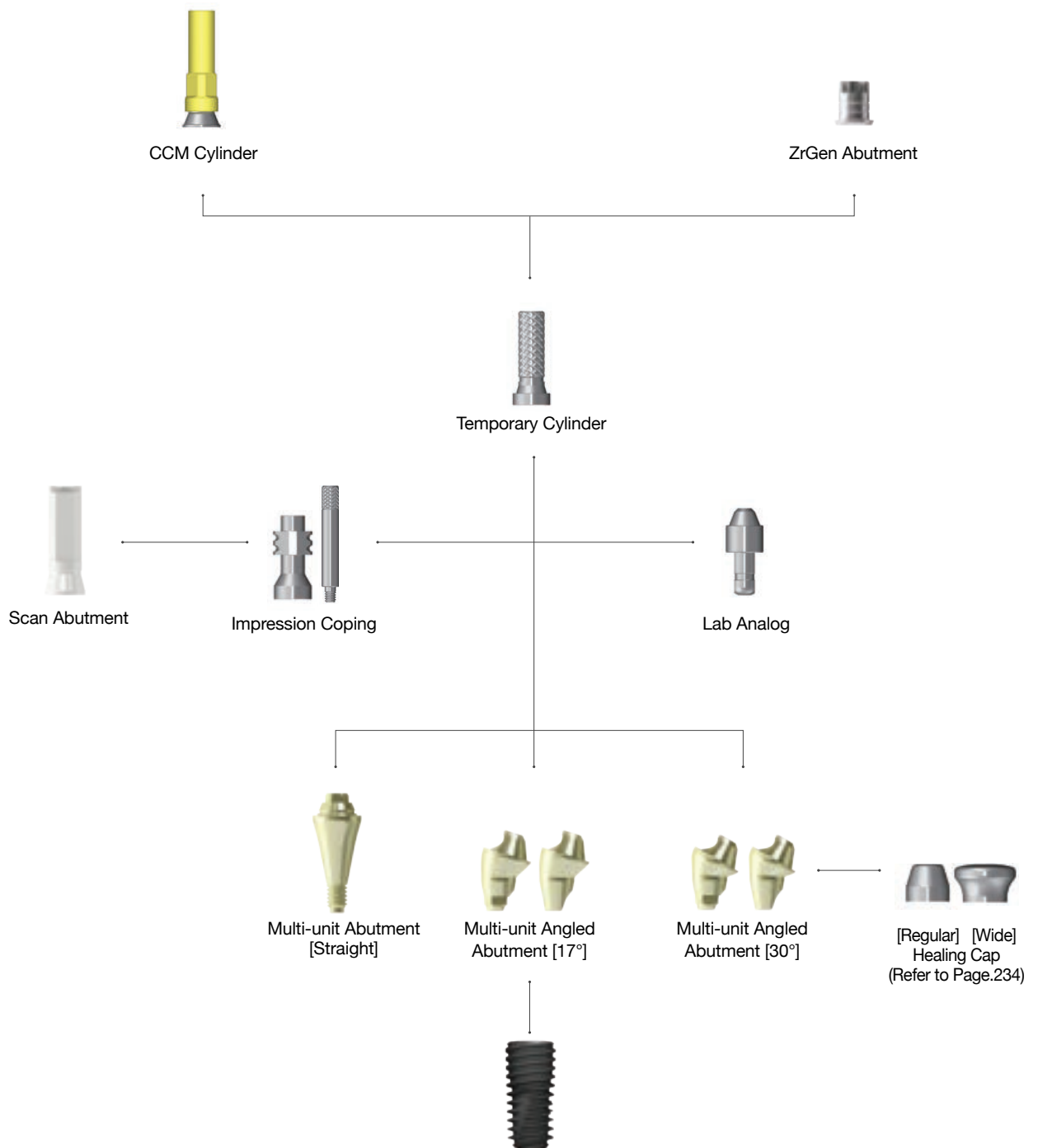
- For Chairside/ Labside
- Included spare Abutment Screw
- Supporting Dental CAD
 - 3 Shape
 - Exocad

System	Profile Diameter	Length (mm)	Type	Ref.C
ST	3.7	9	Small	OSRA3709
	4.3		Regular	OSRA4309



III. Multi-unit Abutment & Components

Multi-unit abutment is available only for ST implants from diameter Ø 4.0 to Ø 5.0



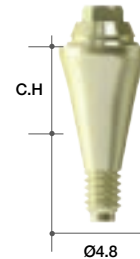
➔ Components for Multi-unit Abutment (Continued)

Multi-unit abutment is available only for ST implants from diameter Ø 4.0 to Ø 5.0

Multi-unit Abutment - Straight

- MUA Straight Carrier (MUASC) included
- Recommend torque : 35Ncm

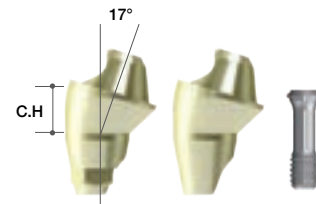
Cuff Height (mm)	Type	Ref.C
1.5	1-piece (M2)	MUAAON0015C
2.5		MUAAON0025C
3.5		MUAAON0035C
4.5		MUAAON0045C



Multi-unit Angled Abutment - 17°

- MUA Screw (MUAAOS) included
- MUA Angled Carrier (MUAAC) included
- Recommend torque : 25Ncm

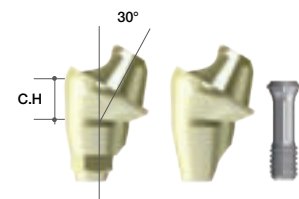
Cuff Height (mm)	Type	Ref.C
2.5	Hex	MUAAOH1725TC
3.5		MUAAOH1735TC
4.5		MUAAOH1745TC
2.5	Non-Hex	MUAAON1725TC
3.5		MUAAON1735TC
4.5		MUAAON1745TC



Multi-unit Angled Abutment - 30°

- MUA Screw (MUAAOS) included
- MUA Angled Carrier (MUAAC) included
- Recommend torque : 25Ncm

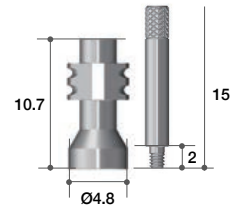
Cuff Height (mm)	Type	Ref.C
3.5	Hex	MUAAOH3035TC
4.5		MUAAOH3045TC
3.5	Non-Hex	MUAAON3035TC
4.5		MUAAON3045TC



Impression coping (Pick-up)

- Guide pin (MUAGP) included
- Use to take an impression at the abutment level.
- Open tray method.

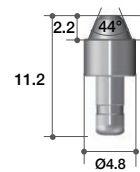
Connection	Ref.C
Non-Hex	MUAICT



Lab Analog

- Use to duplicate the Multi-unit abutment in the working model.
- Available to use as a RP Analog for 3D printed working model.

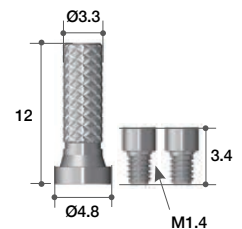
Head form	Ref.C
Multi-unit Abutment(Nobel)	MUALA



Temporary Cylinder

- Cylinder Screw (MUAS) 2EA included
- Use for fabricating acrylic provisional restoration.
- Grooves on the post cylinder allow storing resin adhesion.
- Back-up screw is included.
- Recommend torque : 15Ncm

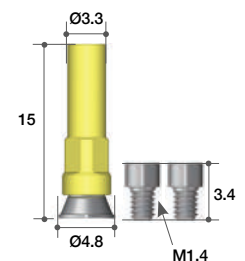
Connection	Ref.C
Non-Hex	MUATCL



CCM Cylinder

- Cylinder Screw (MUAS) 2EA included
- Use for fabricating screw retained prostheses with metal reinforced or bar structured overdentures.
- Available to cast with non-precious dental alloys (Ni-Cr, Cr-Co alloys)
- Melting temperature of CCM base: 1300~1400°C
- Back-up screw is included.
- Recommend torque : 15Ncm

Connection	Ref.C
Non-Hex	MUACCML



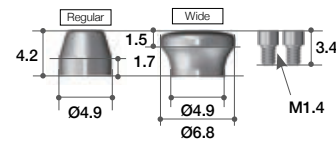
➔ Components for Multi-unit Abutment (Continued)

Multi-unit abutment is available only for ST implants from diameter Ø 4.0 to Ø 5.0

Healing Cap

- Cylinder Screw (MUAS) 2ea included
- The size of healing cap can be selected depending on soft tissue volume or type of restorations.

Type	Ref.C
Regular	MUAHCL
Wide	MUAHCWL



Healing Cap Set reference code

Order code : Add "P" after the existing reference code

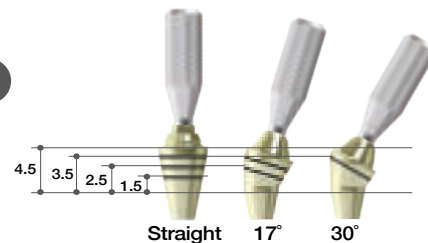
Ex) MUAHCL → MUAHCP



Try-in Abutment

- Cuff height is indicated with laser markings
- Straight, 17°, 30°
- Non-hex type

Angle	Cuff Marking	Ref.C
Straight	1.5 / 2.5 / 3.5 / 4.5	MUTIAAO00C
17°	2.5 / 3.5 / 4.5	MUTIAAO17C
30°	3.5 / 4.5	MUTIAAO30C



Try-in Abutment Set reference code

Order code : MUTIAAO00C P



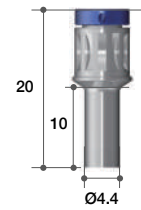
- * Available Systems : AnyRidge, AnyRidge Octa 1, AnyOne Internal, AnyOne External
- * Kit contains Straight, 17° and 30° type of Try-in Abutments (1 each)



Multi-unit Driver

- Use to torque straight type Multi-unit Abutments.
- Use with a torque wrench (ref code: **MTW300A**)

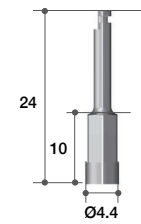
Hex	Length	Ref.C
2.0	10	MUD10



Right Angle Driver

- Use to torque straight type Multi-unit Abutments.
- Use with latch-type handpiece.
- Use with Meg-TORQ (ref code: **MEG_TORQ**)

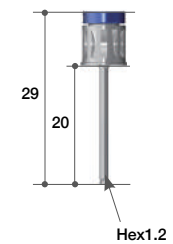
Hex	Length	Ref.C
2.0	10	MURAD10



Hand Driver

- Use for abutment screw with 1.2 hex hole.
- Use up to 15° divergent.
- It should use under 30Ncm torque.

Hex	Length	Ref.C
1.2	20	MUHD1220



➔ ZrGEN Abutment Option

ZrGEN Abutment

- Titanium Base
- Abutment Screw included
- Supporting Dental CAD
 - 3 Shape
 - Exocad
 - Dental Wings

System	Diameter	Cuff Height	Post Height	Type	Ref.C
MUA Level	Ø5.5	0.8	5	N-Type (Nobel)	AMUAPR5515N.MTN
			6		AMUAPR5516N.MTN
			8		AMUAPR5518N.MTN



Scan Abutment

- For Chairside/ Labside
- Included spare Abutment Screw
- Supporting Dental CAD
 - 3 Shape
 - Exocad
 - Dental Wings

System	Profile Diameter	Length (mm)	Ref.C
MUA Level (N-Type)	Ø4.0	13	AMUASR4013T



RP Analog

- For Chairside/ Labside
- Included spare Abutment Screw
- Supporting Dental CAD
 - 3 Shape
 - Exocad

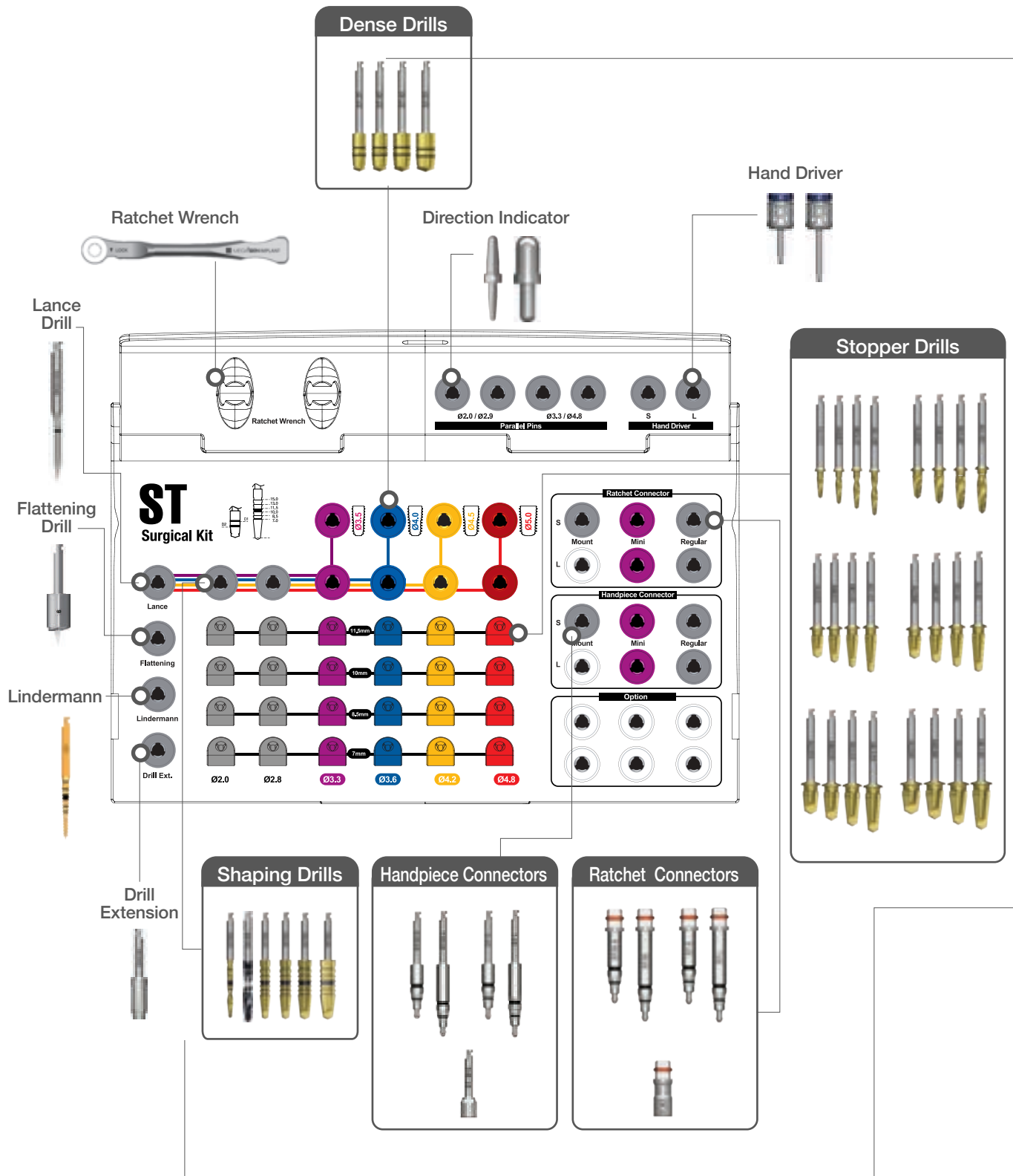
System	Profile Diameter	Length (mm)	Ref.C
MUA Level (N-Type)	Ø4.8	9	MUALA



ST Surgical Kit

Ref.C

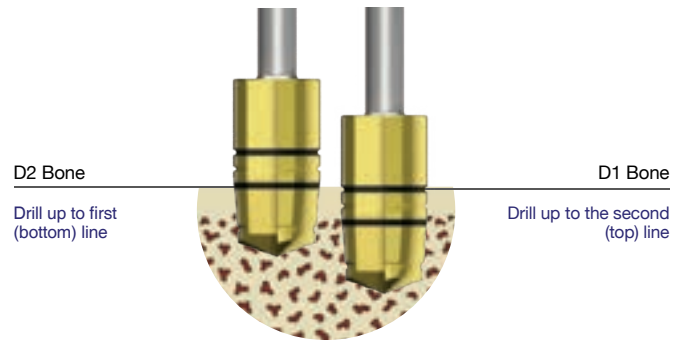
KSTIN3000



Product coordinator : Hyun wook An, rnd_dir@imegagen.com

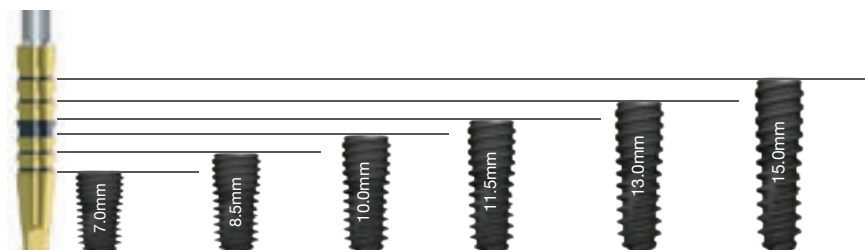
○ Dense Drills

- For cutting & shaping cortical bone to secure initial stability in hard bone (D1 & D2)

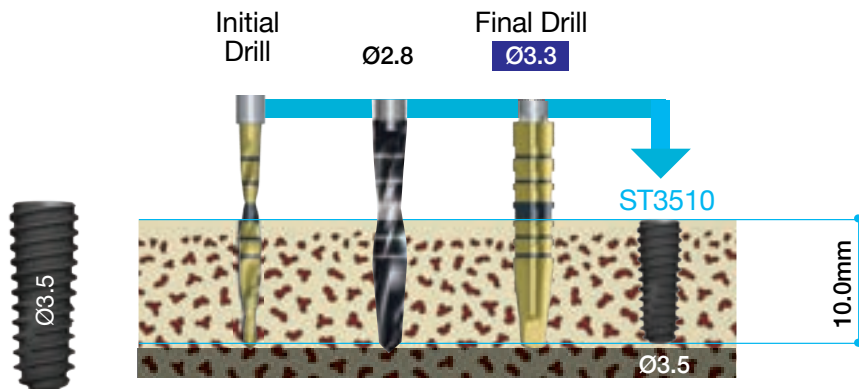


○ Shaping Drills

- Depth markings up to 7.0~15.0 mm
- Dual marking system (groove & laser markings) designed for easy recognition of placement depth



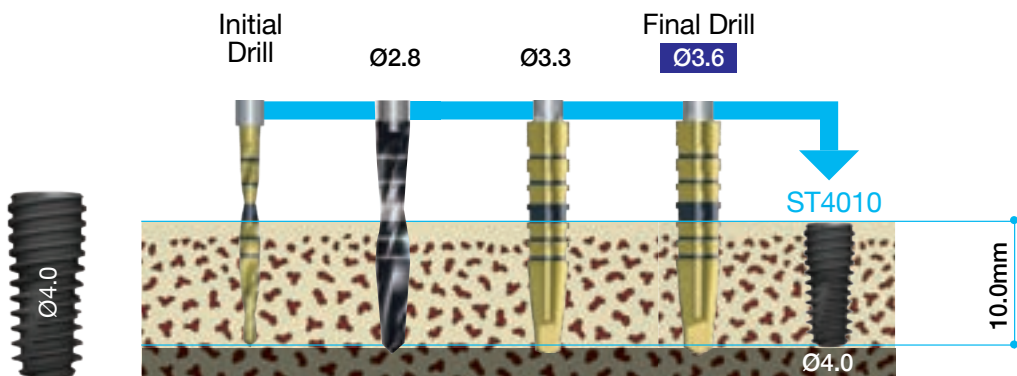
► ► Surgical Drilling Sequence



Ø3.5 Fixture

Ø3.5 Drilling Sequence

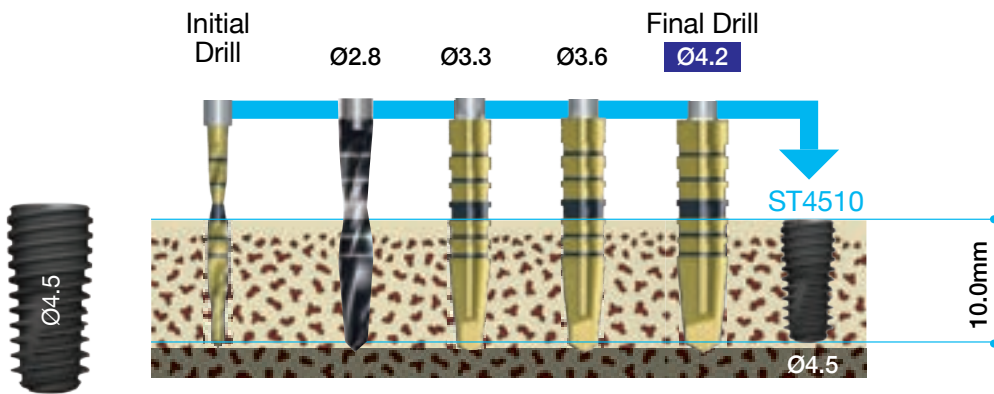
Actual fixture length is 10.0mm & shaping drill length is 0.59mm, so total drill depth is 10.59mm



Ø4.0 Fixture

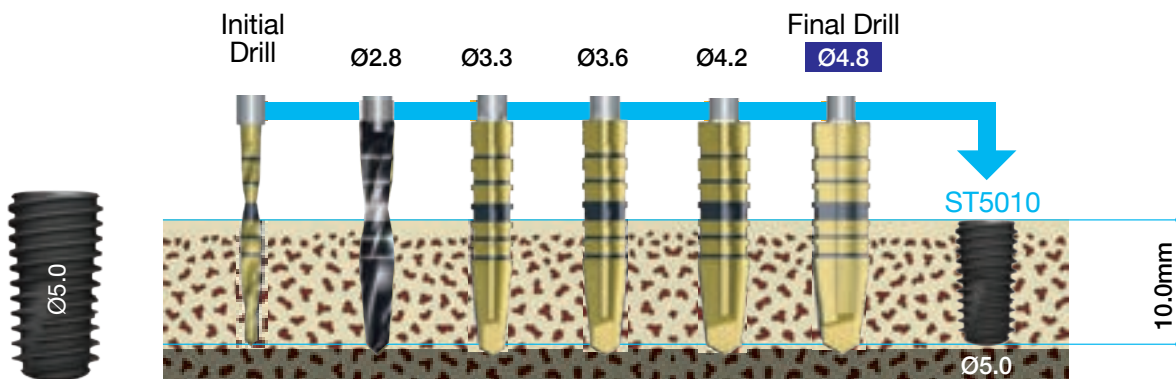
Ø4.0 Drilling Sequence

Actual fixture length is 10.0mm & shaping drill length is 0.68mm, so total drill depth is 10.68mm



Ø4.5 Fixture
Ø4.5 Drilling Sequence

Actual fixture length is 10.0mm & shaping drill length is 0.85mm,
 so total drill depth is 10.85mm



Ø5.0 Fixture
Ø5.0 Drilling Sequence

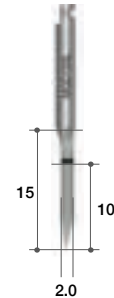
Actual fixture length is 10.0mm & shaping drill length is 0.89mm,
 so total drill depth is 10.89mm

➔ ST Surgical Kit Components (Continued)

Lance Drill

- For easy marking of cortical bone for accurate drilling

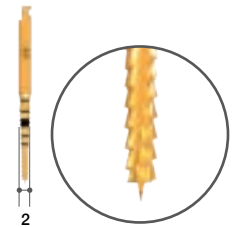
Diameter	Type	Ref.C
Ø2.0	Long	MGD100L



Lindermann Drill

- For controlling drilling path

Diameter(mm)	Ref.C
2	TEEL200M



Shaping Drills

- Depth markings up to 7.0~15.0mm
- Dual marking system (groove & laser markings) designed for easy recognition of placement depth
- Coated with TiN to resist corrosion & damage

Diameter	Length(mm)	Ref.C
Ø2.0	33	SD2018S
	38	*SD2018M
	43	*SD2018L
Ø2.8	33	SD2818S
	38	*SD2818M
	43	*SD2818L
Ø3.3	33	SD3318S
	38	*SD3318M
	43	*SD3318L
Ø3.6	33	SD3618S
	38	*SD3618M
	43	*SD3618L
Ø4.2	33	SD4218S
	38	*SD4218M
	43	*SD4218L
Ø4.8	33	SD4818S
	38	*SD4818M
	43	*SD4818L

(*) Separately purchasable items



Dense Drills

- For cutting & shaping cortical bone to secure initial stability in hard bone (D1, D2)
- Coated with TiN to resist corrosion & damage

Diameter	Type	Ref.C
Ø3.9	Long	STDD39
Ø4.3		STDD43
Ø4.8		STDD48
Ø5.3		STDD53



Stopper Drills

Diameter	Length(mm)	Ref.C
Ø2.0	7	SD2007M
	8.5	SD2008M
	10	SD2010M
	11.5	SD2011M
Ø2.8	7	SD2807M
	8.5	SD2808M
	10	SD2810M
	11.5	SD2811M
Ø3.3	7	SD3307M
	8.5	SD3308M
	10	SD3310M
	11.5	SD3311M
Ø3.6	7	SD3607M
	8.5	SD3608M
	10	SD3610M
	11.5	SD3611M
Ø4.2	7	SD4207M
	8.5	SD4208M
	10	SD4210M
	11.5	SD4211M
Ø4.8	7	SD4807M
	8.5	SD4808M
	10	SD4810M
	11.5	SD4811M

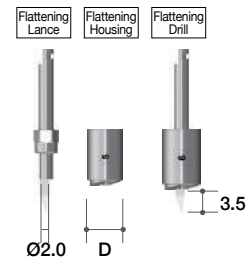


Flattening Drill

- For flattening irregular bone so that stopper drill can drill to accurate depth
- To use flattening lance, connect to housing (Ø5.0 & Ø6.0) according to final drill diameter
- Ø5.0 = Stopper Drill Ø2.0~ Ø4.3
- Ø6.0 = Stopper Drill Ø4.8~ Ø5.4
- Boundary is formed by housing & guides position of subsequent fixture drilling

Diameter	Length(mm)	Ref.C
Ø5.0 / Ø2.0	3.5	*FD5020
Ø6.0 / Ø2.0	3.5	FD6020

(* Separately purchasable items)



Drill Extension

- For extending length of drill connected to handpiece
- Can be damaged if 35Ncm or higher torque is applied

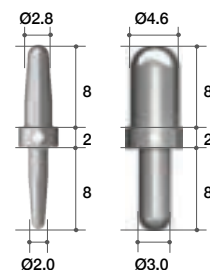
Ref.C
MDE150



Direction Indicator

- For checking location, direction, & depth of drilled hole

Length (mm)	Ref.C
Ø2.0 / Ø2.8	MDI100
Ø3.0 / Ø4.6	MDI3348



➔ ST Surgical Kit Components

Ratchet Wrench

- For applying stronger force than handpiece
- No bearing system: no blood-triggered corrosion, not easily damaged
- Connect to ratchet extension to use
- Arrow on head indicates direction of force to be applied

Ref.C
MRW040S



Hand Driver (1.2 Hex)

- For all cover screws, abutment screws, & healing abutments
- Various lengths available
- Can be used as torque driver after connecting it to torque wrench without separate adapter
- Hex tip is designed to withstand 35~45Ncm torque

Length(mm)	Type	Ref.C
5	*Ultra-short	TCMHDU1200
10	Short	TCMHDS1200
15	Long	TCMHDL1200
20	*Extra-long	TCMHDE1200

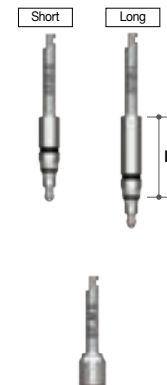


Handpiece Connector

- For retrieving fixture from ampule & positioning in mouth using handpiece
- Spring-type connection allows easier & safer fixture pick-up & positioning
- First (bottom) mark on shaft indicates position of fixture platform, while second (top) mark indicates distance from fixture platform. Lower part indicates 3.5mm from bone level & upper part indicates 4.5mm as guide for flapless surgery.

Length(mm)	Type	Connection	Ref.C
10	Short	Mini	STHCS21
15	Long	Mini	STHCL21
15	Short	Regular	STHCS25
20	Long	Regular	STHCL25

Length(mm)	Type	Connection	Ref.C
15	Short	Mount	STHCS36M

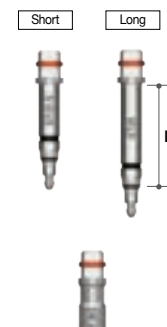


Ratchet Connector

- For placing or removing fixture using ratchet wrench
- Check if ratchet wrench & ratchet connector are connected properly before use
- Too much torque can damage internal hex
- First (bottom) mark on shaft indicates position of fixture platform, while second (top) mark indicates distance from fixture platform. Lower part indicates 3.5mm from bone level & upper part indicates 4.5mm as guide for flapless surgery.

Length(mm)	Type	Connection	Ref.C
10	Short	Mini	STRCS21
15	Long	Mini	STRCL21
15	Short	Regular	STRCS25
20	Long	Regular	STRCL25

Length(mm)	Type	Connection	Ref.C
15	Short	Mount	STRCS36M



ST Clinical Cases

➔ Clinical Case 1

- Courtesy of Dr. Dae Hee Lee

Fig 1. Due to severe chronic adult periodontitis, bone is quite significantly resorbed across entire upper dentition.

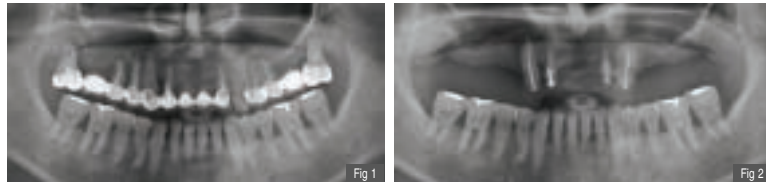


Fig 2. All teeth from premolars to molars were extracted, and waited for more than 2 months.

Fig 3. Lateral sinus graft and GBR were performed on right side.

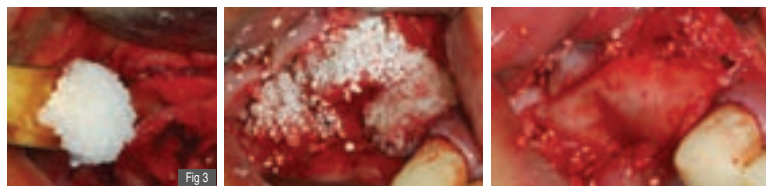


Fig 4. Same procedures were performed on left side, and perforated sinus membrane was repaired with collagen membrane.

Fig 5. After 5 months, ST implants were placed and bone core biopsies taken from #15 and #25.



Fig 6. Vital bone formation area at 5 mm depth cut > 30%

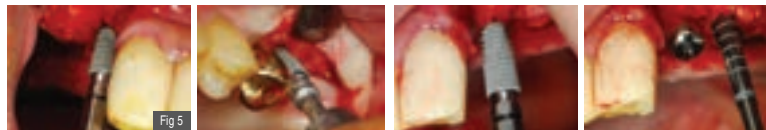


Fig 7. ST Implant 4010 were placed at #14 and #24, and ST Implant 4510 in other areas.

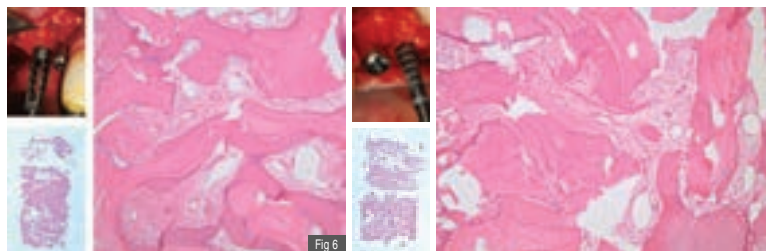
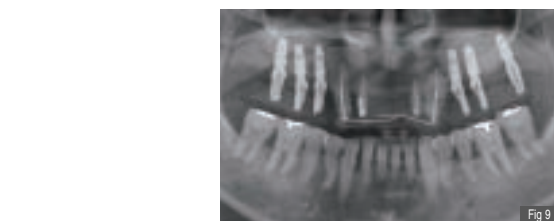


Fig 8. All ISQ values were good, so impression was taken after 2 months.

Fig 9. Temporary bridge after 2.5 months.

Fig 10. Final prosthesis.



➔ Clinical Case 2

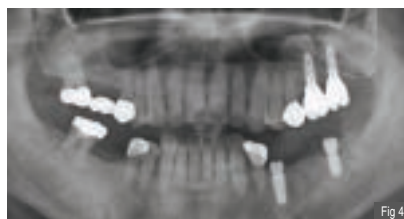
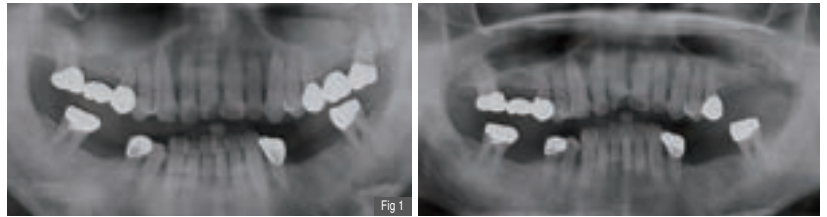
- Courtesy of Dr. Dae Hee Lee

Fig 1. #27 was extracted due to chronic periodontitis, and waited for 2 months.

Fig 2. Two lateral windows were made on septum.

Fig 3. Two ST implants (4510) were placed after 4 months.

Fig 4. 2-year follow-up.



STTM
by MEGA'GEN

