

ST™

by MEGA'GEN

11° internal hex connection

KnifeThread combined
with double thread

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

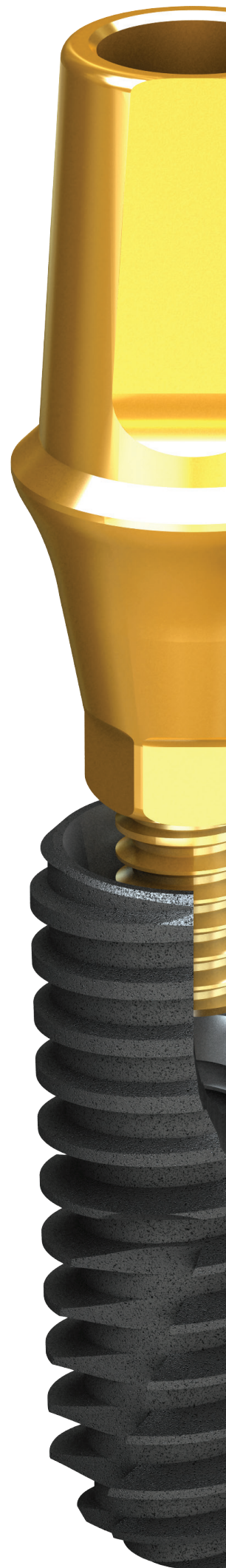




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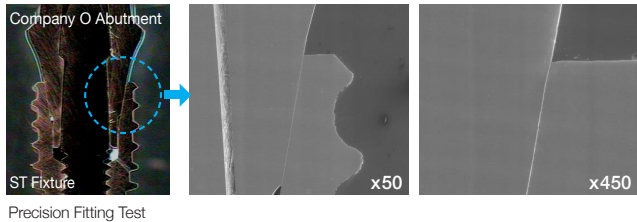
Characteristics & Advantages

I. Features

AnyRidge® technology maintains
100% compatibility with existing systems

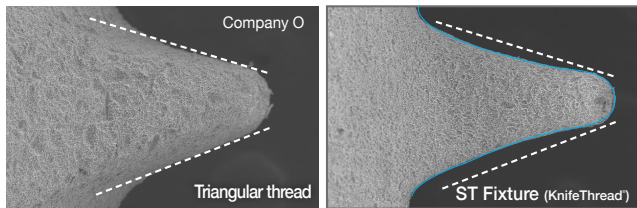
More economical

11° internal connection with high compatibility



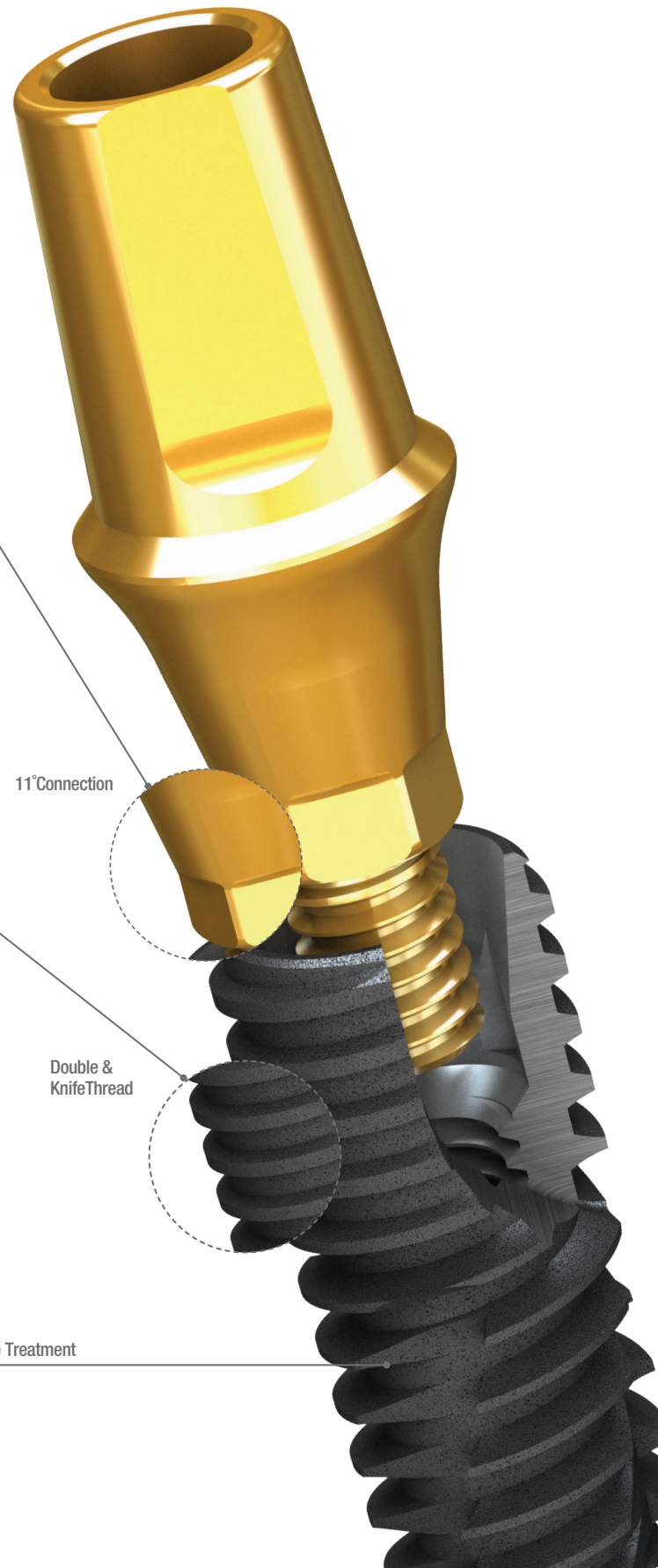
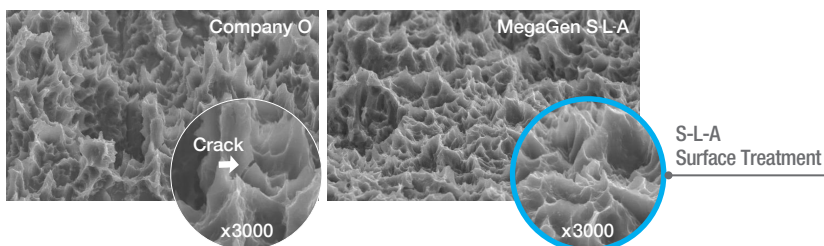
KnifeThread® is added to Double Thread

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
- Proven to be safer, as sharp edges can crack & become foreign objects during implant placement
- Superior bone formation capability

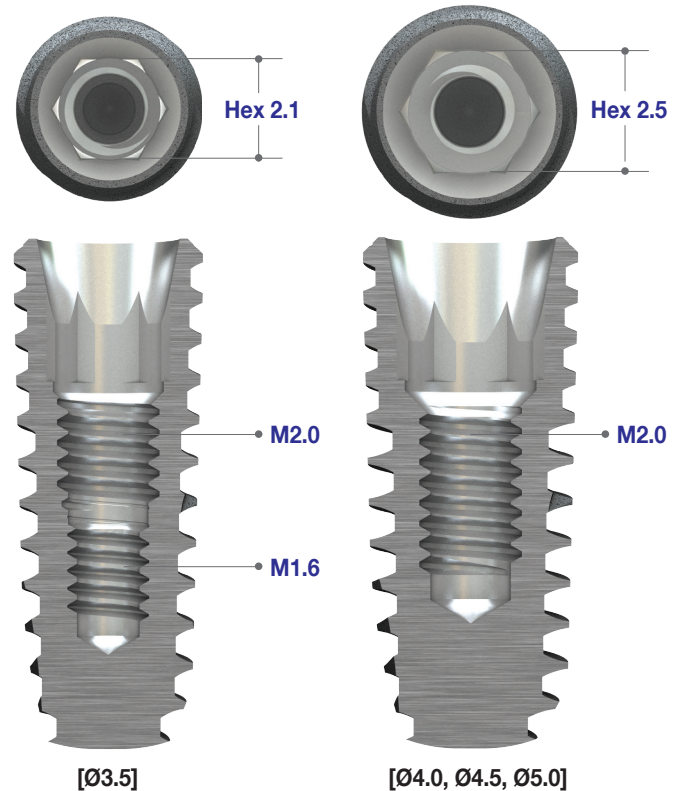


Fixture Product

I. Dimensions

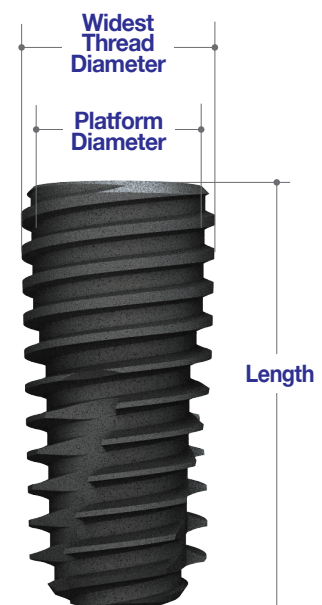
Platform Diameter & Female Screw

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)

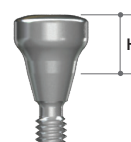
Height (mm)	Type	Ref.C
0.4	Mini	STCSS
	Regular	STCSR



Healing Abutment

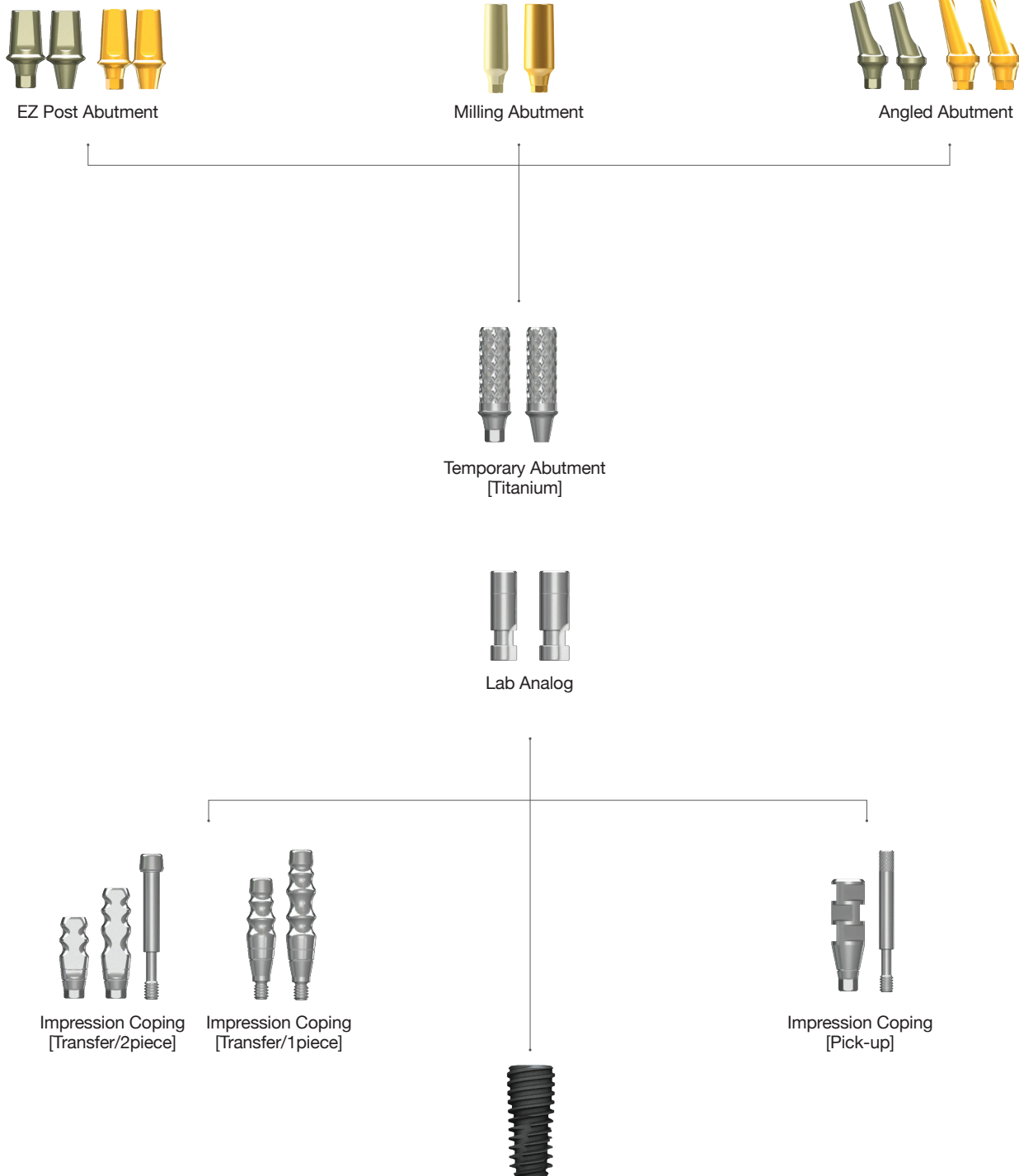
- Hand Driver (1.2 Hex) is used
- Used for submerged-type surgery or two-stage surgery
- Various diameters & heights for different cases
- Forms appropriate emergence profile during gingival healing

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



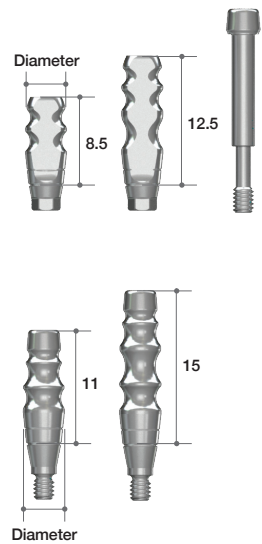
➡ Abutment Options & Components (Continued)

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
Ø4.0	Mini	11	STTIM4011NH
		15	STTIM4015NH
Ø4.5	Mini	11	STTIM4511NH
		15	STTIM4515NH
Ø4.0	Regular	11	STTIS4011NH
		15	STTIS4015NH
Ø4.5	Regular	11	STTIS4511NH
		15	STTIS4515NH
Ø5.0	Regular	11	STTIS5011NH
		15	STTIS5015NH
Ø6.0	Regular	11	STTIS6011NH
		15	STTIS6015NH
Ø7.0	Regular	11	STTIS7011NH
		15	STTIS7015NH



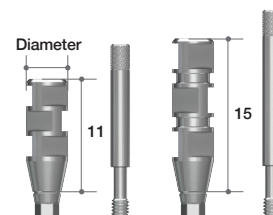
➡ Abutment Options & Components (Continued)

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



Lab Analog

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

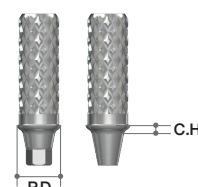


Temporary Abutment (Titanium)

- 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
		3	STTA4030T
Ø4.0	Mini	Non-Hex 1	STTA4010NT
		3	STTA4030NT
Ø4.5	Regular	Hex 1	STTA4510T
		3	STTA4530T
Ø4.5	Regular	Non-Hex 1	STTA4510NT
		3	STTA4530NT

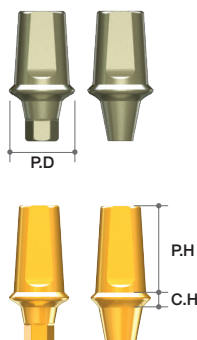


EZ Post Abutment

- 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	5.5	STE4611T
			2		STE4621T
			3		STE4631T
			4		STE4641T
			5		STE4651T
			1	7.0	STE4711T
			2		STE4721T
			3		STE4731T
			4		STE4741T
			5		STE4751T
Ø4.5	Mini	Non-Hex	1	5.5	STE4611NT
			2		STE4621NT
			3		STE4631NT
			4		STE4641NT
			5		STE4651NT
			1	7.0	STE4711NT
			2		STE4721NT
			3		STE4731NT
			4		STE4741NT
			5		STE4751NT
Ø4.5	Regular	Hex	1	5.5	STEAS4611T
			2		STEAS4621T
			3		STEAS4631T
			4		STEAS4641T
			5		STEAS4651T
			1	7.0	STEAS4711T
			2		STEAS4721T
			3		STEAS4731T
			4		STEAS4741T
			5		STEAS4751T
Ø4.5	Regular	Non-Hex	1	5.5	STEAS4611NT
			2		STEAS4621NT
			3		STEAS4631NT
			4		STEAS4641NT
			5		STEAS4651NT
			1	7.0	STEAS4711NT
			2		STEAS4721NT
			3		STEAS4731NT
			4		STEAS4741NT
			5		STEAS4751NT
Ø5.0	Regular	Hex	1	4.0	STE5410T
			2		STE5420T
			3		STE5430T
			4		STE5440T
			5		STE5450T
			1	5.5	STE5610T
			2		STE5620T
			3		STE5630T
			4		STE5640T
			5		STE5650T
Ø5.0	Regular	Non-Hex	1	7.0	STE5710T
			2		STE5720T
			3		STE5730T
			4		STE5740T
			5		STE5750T

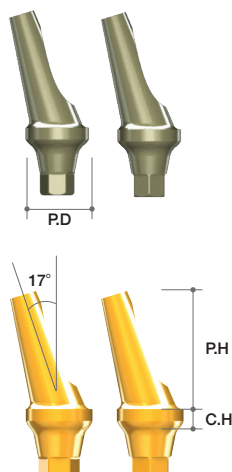
Profile Diameter(mm)	Type		Cuff Height(mm)	Post Height(mm)	Ref.C
Ø5.0	Regular	Non-Hex	1	4.0	STE5410NT
			2		STE5420NT
			3		STE5430NT
			4		STE5440NT
			5		STE5450NT
			1	5.5	STE5610NT
			2		STE5620NT
			3		STE5630NT
			4		STE5640NT
			5		STE5650NT
Ø6.0	Regular	Hex	1	7.0	STE5710NT
			2		STE5720NT
			3		STE5730NT
			4		STE5740NT
			5		STE5750NT
Ø6.0	Regular	Non-Hex	1	4.0	STE6410T
			2		STE6420T
			3		STE6430T
			4		STE6440T
			5		STE6450T
			1	5.5	STE6610T
			2		STE6620T
			3		STE6630T
			4		STE6640T
			5		STE6650T
Ø6.0	Regular	Hex	1	7.0	STE6710T
			2		STE6720T
			3		STE6730T
			4		STE6740T
			5		STE6750T
Ø6.0	Regular	Non-Hex	1	4.0	STE6410NT
			2		STE6420NT
			3		STE6430NT
			4		STE6440NT
			5		STE6450NT
			1	5.5	STE6610NT
			2		STE6620NT
			3		STE6630NT
			4		STE6640NT
			5		STE6650NT
Ø7.0	Regular	Hex	1	7.0	STE6710NT
			2		STE6720NT
			3		STE6730NT
			4		STE6740NT
			5		STE6750NT
Ø7.0	Regular	Non-Hex	1	5.5	STE7610T
			2		STE7620T
			3		STE7630T
			4		STE7640T
			5		STE7650T
			1	7.0	STE7710T
			2		STE7720T
			3		STE7730T
			4		STE7740T
			5		STE7750T

➡ 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

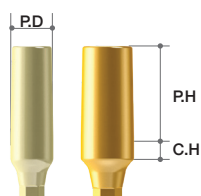


Profile Diameter(mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.5	Mini	Hex-E	2	STAA4520MAT
		Hex-E	4	STAA4540MAT
		Hex	2	STAA4520MBT
		Hex	4	STAA4540MBT
		Non-Hex	2	STAA4520MNT
		Non-Hex	4	STAA4540MNT
Ø4.5	Regular	Hex-E	2	STAA4520AT
		Hex-E	4	STAA4540AT
		Hex	2	STAA4520BT
		Hex	4	STAA4540BT
		Non-Hex	2	STAA4520NT
		Non-Hex	4	STAA4540NT
Ø5.0	Regular	Hex-E	2	STAA5020AT
		Hex-E	4	STAA5040AT
		Hex	2	STAA5020BT
		Hex	4	STAA5040BT
		Non-Hex	2	STAA5020NT
		Non-Hex	4	STAA5040NT
Ø6.0	Regular	Hex-E	2	STAA6020AT
		Hex-E	4	STAA6040AT
		Hex	2	STAA6020BT
		Hex	4	STAA6040BT
		Non-Hex	2	STAA6020NT
		Non-Hex	4	STAA6040NT

Milling Abutment

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

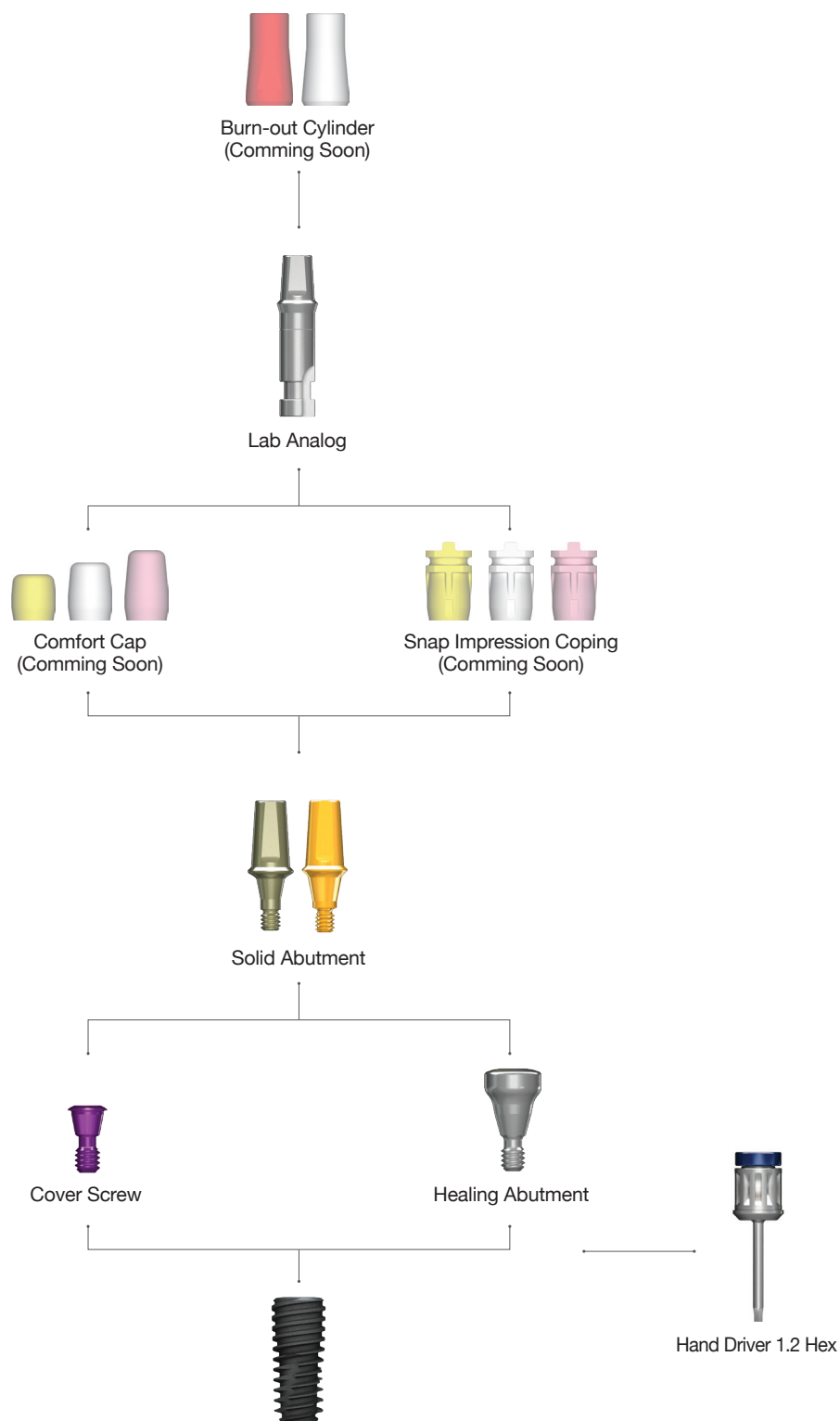
- Used for customized milling
- Profile diameters: Ø4.5/ Ø5.0/ Ø6.0/ Ø7.0
- Cuff heights: 1.5mm, 3.0mm
- Aesthetic appearance realized via anodizing
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm



Profile Diameter(mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.5	Mini	1.5	10.5	STMA4015T
		3.0	9.0	STMA4030T
Ø4.5	Regular	1.5	10.5	STMAS4015T
		3.0	9.0	STMAS4030T
Ø5.0		1.5	10.5	STMAS5015T
		3.0	9.0	STMAS5030T
Ø5.0		1.5	8.0	STMASG5015T
		3.0	7.0	STMASG5030T
Ø6.0		1.5	10.5	STMASG6015T
		3.0	9.0	STMASG6030T
Ø7.0		1.5	10.5	STMASG7015T
		3.0	9.0	STMASG7030T

II. Abutment-level Prosthesis

1. Solid Abutment & Components

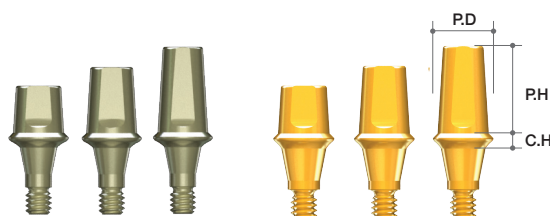


➡ Abutment Options & Components

Solid Abutment

For cement-retained restoration:

- Impression should be taken after connecting abutment to fixture
- Connect using 1.2mm hand driver
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm
- Profile diameters: Ø4.0, Ø4.5, Ø5.0, Ø6.0, Ø7.0
- Cuff heights: 1.0, 2.0, 3.0, 4.0, 5.0mm
- Post heights: 4.0, 5.5, 7.0mm



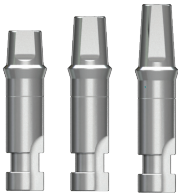
Diameter (mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.0	Mini	1	4.0	STSA4410
		2		STSA4420
		3		STSA4430
		4		STSA4440
		5		STSA4450
Ø4.0	Mini	1	5.5	STSA4610
		2		STSA4620
		3		STSA4630
		4		STSA4640
		5		STSA4650
Ø4.0	Mini	1	7.0	STSA4710
		2		STSA4720
		3		STSA4730
		4		STSA4740
		5		STSA4750
Ø4.5	Mini	1	4.0	STSA4411
		2		STSA4421
		3		STSA4431
		4		STSA4441
		5		STSA4451
Ø4.5	Mini	1	5.5	STSA4611
		2		STSA4621
		3		STSA4631
		4		STSA4641
		5		STSA4651
Ø4.5	Mini	1	7.0	STSA4711
		2		STSA4721
		3		STSA4721
		4		STSA4741
		5		STSA4751

Diameter (mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.0	Regular	1	4.0	STSAS4410
		2		STSAS4420
		3		STSAS4430
		4		STSAS4440
		5		STSAS4450
Ø4.0	Regular	1	5.5	STSAS4610
		2		STSAS4620
		3		STSAS4630
		4		STSAS4640
		5		STSAS4650
Ø4.0	Regular	1	7.0	STSAS4710
		2		STSAS4720
		3		STSAS4730
		4		STSAS4740
		5		STSAS4750
Ø4.5	Regular	1	4.0	STSAS4411
		2		STSAS4421
		3		STSAS4431
		4		STSAS4441
		5		STSAS4451
Ø4.5	Regular	1	5.5	STSAS4611
		2		STSAS4621
		3		STSAS4631
		4		STSAS4641
		5		STSAS4651
Ø4.5	Regular	1	7.0	STSAS4711
		2		STSAS4721
		3		STSAS4731
		4		STSAS4741
		5		STSAS4751

Diameter (mm)	Type	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø5.0	Regular	1	4.0	STSA5410
		2		STSA5420
		3		STSA5430
		4		STSA5440
		5		STSA5450
Ø5.0	Regular	1	5.5	STSA5610
		2		STSA5620
		3		STSA5630
		4		STSA5640
		5		STSA5650
Ø5.0	Regular	1	7.0	STSA5710
		2		STSA5720
		3		STSA5730
		4		STSA5740
		5		STSA5750
Ø6.0	Regular	1	4.0	STSA6410
		2		STSA6420
		3		STSA6430
		4		STSA6440
		5		STSA6450
Ø6.0	Regular	1	5.5	STSA6610
		2		STSA6620
		3		STSA6630
		4		STSA6640
		5		STSA6650
Ø6.0	Regular	1	7.0	STSA6710
		2		STSA6720
		3		STSA6730
		4		STSA6740
		5		STSA6750
Ø7.0	Regular	1	5.5	STSA7610
		2		STSA7620
		3		STSA7630
		4		STSA7640
		5		STSA7650

Lab Analog

Diameter(mm)	Height(mm)	Ref.C
Ø4.0	4.0	STRLA440
	5.5	STRLA460
	7.0	STRLA470
Ø4.5	4.0	STRLA441
	5.5	STRLA461
	7.0	STRLA471
Ø5.0	4.0	STRLA540
	5.5	STRLA560
	7.0	STRLA570
Ø6.0	4.0	STRLA640
	5.5	STRLA660
	7.0	STRLA670
Ø7.0	5.5	STRLA760



III. Overdenture Prosthesis

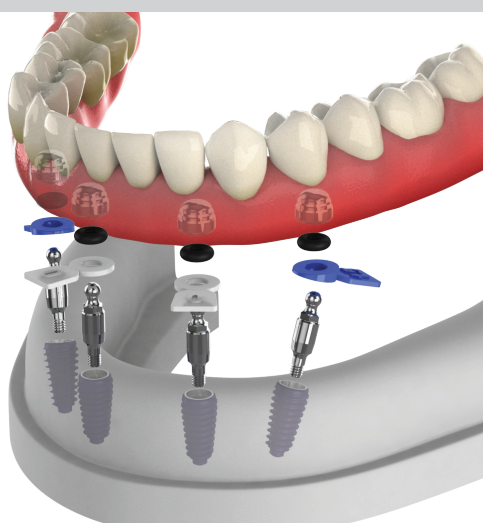
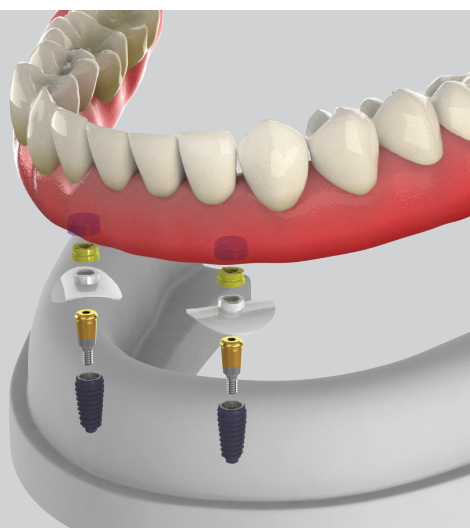
1. MegaGen Overdenture System

Meg-Loc

Compatible with products L & K,
excellent functionality, & incomparable price!

Combination of Titanium housing and Pekkton (reinforced plastic) creates low water solubility and higher wear resistance and durability than other existing products.

Retention insert offers wide range of retention forces (600gf, 1200gf, 1800gf) to suit each patient, resulting in high level of satisfaction for both patient and dentist. Strong physical properties of Pekkton and insert gap increase elasticity, so that insert does not tear or break unlike conventional nylon products, thereby ensuring strong retention and longer life.



Meg-Ball

Smallest housing, retentive ring with longer life!
Even when the implant angle is not parallel, a stable denture can still be produced!

Compatible with other products with Ø2.25 head size, minimized patient inconvenience due to small-size housing, simpler to arrange artificial teeth as space occupied by denture is reduced, and easier to maintain than other systems.

Retentive ring has a high elasticity, abrasion resistance, and durability, thereby doubling the length of life when compared to a silicone O-ring and guaranteeing a longer life than NBR products.

Positioner (0/5/10/15 degrees) maintains parallel housing direction, even with distorted implant placement angle, ensuring denture stability.

Meg-Magnet

Designed to maintain stable & sufficient magnetic force!
Completely blocks bursts & corrosion resistant!

Structure is connected with abutment using magnetic force, which is feasible even with insufficient bone volume or poor bone quality

Easy to attach and detach, and minimal inflammation.

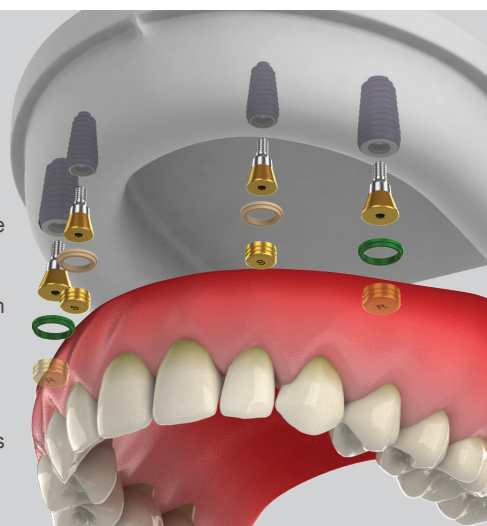
Magnet of Ø4.5 & Ø5.0 is compatible with other products, and laser marking on upper part makes it easy to distinguish between up and down.

Sufficient magnetic force ensures stable retention

Laser sealing blocks any bursting phenomenon.

TiN coating provides corrosion resistance.

Positioner (small & regular) prevents magnet from slipping in the mouth and stops any flow of impression materials under the abutment.



III. Overdenture Prosthesis

2. Meg-Loc Abutment & Components



Meg-Loc Metal Housing set



Block-out Spacer



Meg-Loc Abutment



►► Meg-Loc Overdenture System

Advantages

Easy compatibility

Compatible with Product L and Product K (same specifications)

Better abrasion resistance and durability

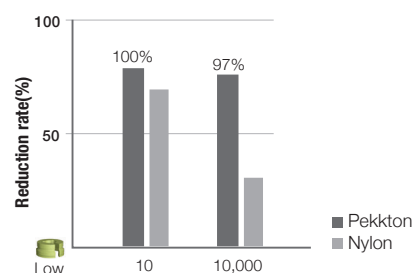
Combination of Titanium housing and reinforced plastic (Pekkton) provides low water solubility and high resistance, making it superior in abrasion resistance and durability compared to existing products.

Water Sorption Test

Property	Meg-Loc (Pekkton)	Product L	Unit
Water Sorption	8.7	93.5	µg/mm³

Stronger retention and longer life

Strong physical properties of Pekkton and gap in insert increase the elasticity, preventing the insert from being torn or broken unlike existing nylon products, even when angle does not match when attaching & removing denture.



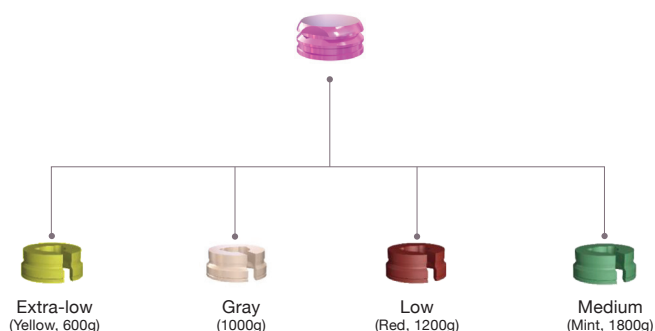
Easy to use

High resistance to plaque and easy cleaning
Easy replacement of retention insert

Tilting Angle



Various Retentive Caps of the Meg-Loc



➡ Meg-Loc Overdenture System

Meg-Loc Abutment

- Angle compensation to one side 20 °
(both sides 40 °)
- Gently rounded shape
- Compatible with 1.2 Hex Driver
- Recommend torque : 35Ncm



Type	Cuff Height (mm)	Ref.C
Mini	0	MLSTM00
	1.0	MLSTM01
	2.0	MLSTM02
	3.0	MLSTM03
	4.0	MLSTM04
	5.0	MLSTM05
	6.0	MLSTM06
	7.0	MLSTM07

Type	Cuff Height (mm)	Ref.C
Regular	0	MLAO00
	1.0	MLAO01
	2.0	MLAO02
	3.0	MLAO03
	4.0	MLAO04
	5.0	MLAO05
	6.0	MLAO06
	7.0	MLAO07



Meg-Loc Package

- 1 Meg-Loc Abutment

* Following package items are delivered with San DreMetto Korea packaging.

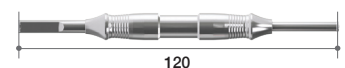
- 1 Titanium Housing
- 1 Block Out Spacer
- 4 Pekkton Retention Inserts
(Yellow-600gf(for lab), Gray-1000gf, Red-1200gf, Mint-1800gf)

Type	Cuff Height (mm)	Ref.C
Mini	0	MLSTM00P
	1.0	MLSTM01P
	2.0	MLSTM02P
	3.0	MLSTM03P
	4.0	MLSTM04P
	5.0	MLSTM05P
	6.0	MLSTM06P
	7.0	MLSTM07P

Type	Cuff Height (mm)	Ref.C
Regular	0	MLAO00P
	1.0	MLAO01P
	2.0	MLAO02P
	3.0	MLAO03P
	4.0	MLAO04P
	5.0	MLAO05P
	6.0	MLAO06P
	7.0	MLAO07P

Multi Tool

- Retention insert Insert & Remove Tool



III. Overdenture Prosthesis

3. Meg-Ball Abutment & Components



►► Meg-Ball Overdenture System

Advantages

Easy compatibility



Ø2.25 head size for easy compatibility with other products

Smallest Housing



Metal Housing

Small housing minimizes patient inconvenience, facilitates arrangement of artificial teeth by reducing space occupied by denture, and is easier to maintain than other systems.

Double length of life



Retentive Ring

High elasticity, abrasion resistance, and durability doubles the length of life when compared with silicone O-ring and guarantees longer life than NBR products.

Stable denture even when implant placement angle is distorted

Positioner (0/5/10/15 degrees) maintains parallel housing direction even when angle of implant placement is distorted, ensuring denture stability



0°



5°



10°



15°

Tilting Angle



➡ Meg-Ball Overdenture System

Meg-Ball Abutment

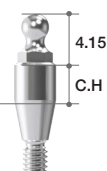
- Angle compensation to one side 15 °
(both sides 30 °)

- Ø2.25 Ball shape

• Recommend torque : 35Ncm



Platform
level



4.15

C.H

Type	Cuff Height (mm)	Ref.C
Mini	0	MBSTM00
	1.0	MBSTM10
	2.0	MBSTM20
	3.0	MBSTM30
	4.0	MBSTM40
	5.0	MBSTM50
	6.0	MBSTM60
	7.0	MBSTM70

Type	Cuff Height (mm)	Ref.C
Regular	0	MBAO00
	1.0	MBAO10
	2.0	MBAO20
	3.0	MBAO30
	4.0	MBAO40
	5.0	MBAO50
	6.0	MBAO60
	7.0	MBAO70



Meg-Ball Package

- Composed of Meg-Ball Abutment/
Metal Housing Set/
Housing Positioner (0°,5°,10°,15°)

Type	Cuff Height (mm)	Ref.C
Mini	0	MBSTM00P
	1.0	MBSTM10P
	2.0	MBSTM20P
	3.0	MBSTM30P
	4.0	MBSTM40P
	5.0	MBSTM50P
	6.0	MBSTM60P
	7.0	MBSTM70P

Type	Cuff Height (mm)	Ref.C
Regular	0	MBAO00P
	1.0	MBAO10P
	2.0	MBAO20P
	3.0	MBAO30P
	4.0	MBAO40P
	5.0	MBAO50P
	6.0	MBAO60P
	7.0	MBAO70P

Metal Housing

- 1 Metal Housing
- 1 Retentive Ring

Ref.C
MBHR



Ø5.0

Retentive Ring

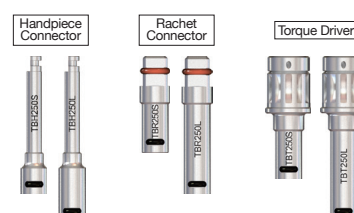
Quantity	Ref.C
5	MBR5
10	MBR10



Ball Driver

• For seating of the Ball Abutment into the fixture.
• Can connect to a Handpiece, Ratchet or Torque Wrench.
• Available in long and short.

Type	Ref.c
Toque Driver(Short)	TBT250S
Toque Driver(Long)	TBT250L



III. Overdenture Prosthesis

4. Meg-Magnet Abutment & Components



►► Meg-Magnet Overdenture System

Advantages

Easy to apply for elderly patients or disabled patients

Designed for maximum magnetic efficiency and durability

Outstanding retention

- Blocks bursting
- Corrosion resistant
- Abrasion resistant

Easy to distinguish between up and down via laser marking on upper section

No slippage of magnet

Applicable with insufficient bone volume and poor bone quality
Easy to attach and detach
Unlikely to cause inflammation

Sufficient magnetic force (450gf, 650gf) to ensure stable retention
Laser sealing blocks any bursting phenomenon

TiN coating provides corrosion resistance
Over 0.1mm thickness at contact with attachment to ensure wear resistance



Magnet of Ø4.5 & Ø5.0 is compatible with other products
Laser marking on upper part makes it easy to distinguish between up and down



Positioner (small & regular) prevents magnet from slipping in mouth and stops any flow of impression materials under the abutment



Component of the Meg-Magnet

➡ Meg-Magnet Overdenture System

Meg-Magnet Abutment

- Use to 1.2 Hex Driver

• Recommend torque : 35Ncm



Profile Diameter	Type	Cuff Height (mm)	Ref.C	Profile Diameter	Type	Cuff Height (mm)	Ref.C
Ø4.5	Mini	0	MMSTM400	Ø4.5	Regular	0	MMAO400
		1.0	MMSTM410			1.0	MMAO410
		2.0	MMSTM420			2.0	MMAO420
		3.0	MMSTM430			3.0	MMAO430
		4.0	MMSTM440			4.0	MMAO440
		5.0	MMSTM450			5.0	MMAO450
		6.0	MMSTM460			6.0	MMAO460
Ø5.0		7.0	MMSTM470	7.0		MMAO470	
		0	MMSTM500	0		MMAO500	
		1.0	MMSTM510	1.0		MMAO510	
		2.0	MMSTM520	2.0		MMAO520	
		3.0	MMSTM530	3.0		MMAO530	
		4.0	MMSTM540	4.0		MMAO540	
		5.0	MMSTM550	5.0		MMAO550	
Ø5.0	6.0	MMSTM560	6.0	MMAO560			
	7.0	MMSTM570	7.0	MMAO570			



Meg-Magnet Package

- 1 Meg-Magnet Abutment
- 1 Magnet (Ø4.5-S, Ø5.0-R)
- 1 Magnetic Positioner

*Caution!

[Magnetic Positioner]

- Use according to the standard
- : Small(White) / Regular(Green)
- Do not reuse

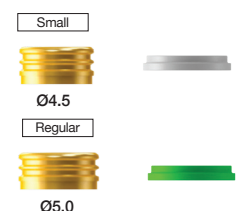
[Magnet]

- Do not heat above 70°C
- : Loss of magnetism at high temperatures
- : If sterilization is required, alcohol disinfection is recommended, not autoclave
- Remove if taking MRI.
- No direct contact between products during the procedure
- : Difficulty in separation due to attraction between magnets

Profile Diameter	Type	Cuff Height (mm)	Ref.C	Profile Diameter	Type	Cuff Height (mm)	Ref.C
Ø4.5	Mini	0	MMSTM400P	Ø4.5	Regular	0	MMAO400P
		1.0	MMSTM410P			1.0	MMAO410P
		2.0	MMSTM420P			2.0	MMAO420P
		3.0	MMSTM430P			3.0	MMAO430P
		4.0	MMSTM440P			4.0	MMAO440P
		5.0	MMSTM450P			5.0	MMAO450P
		6.0	MMSTM460P			6.0	MMAO460P
7.0		MMSTM470P	7.0	MMAO470P			
Ø5.0		0	MMSTM500P	Ø5.0		0	MMAO500P
		1.0	MMSTM510P			1.0	MMAO510P
		2.0	MMSTM520P			2.0	MMAO520P
		3.0	MMSTM530P			3.0	MMAO530P
		4.0	MMSTM540P			4.0	MMAO540P
		5.0	MMSTM550P			5.0	MMAO550P
	6.0	MMSTM560P	6.0		MMAO560P		
	7.0	MMSTM570P		7.0	MMAO570P		

Magnet Attachment Set

Size	Ref.C
Small	MA402
Regular	MA502



IV. Digital Prosthesis

1. ZrGEN®

Variety



Sub Structure

Clinical Application

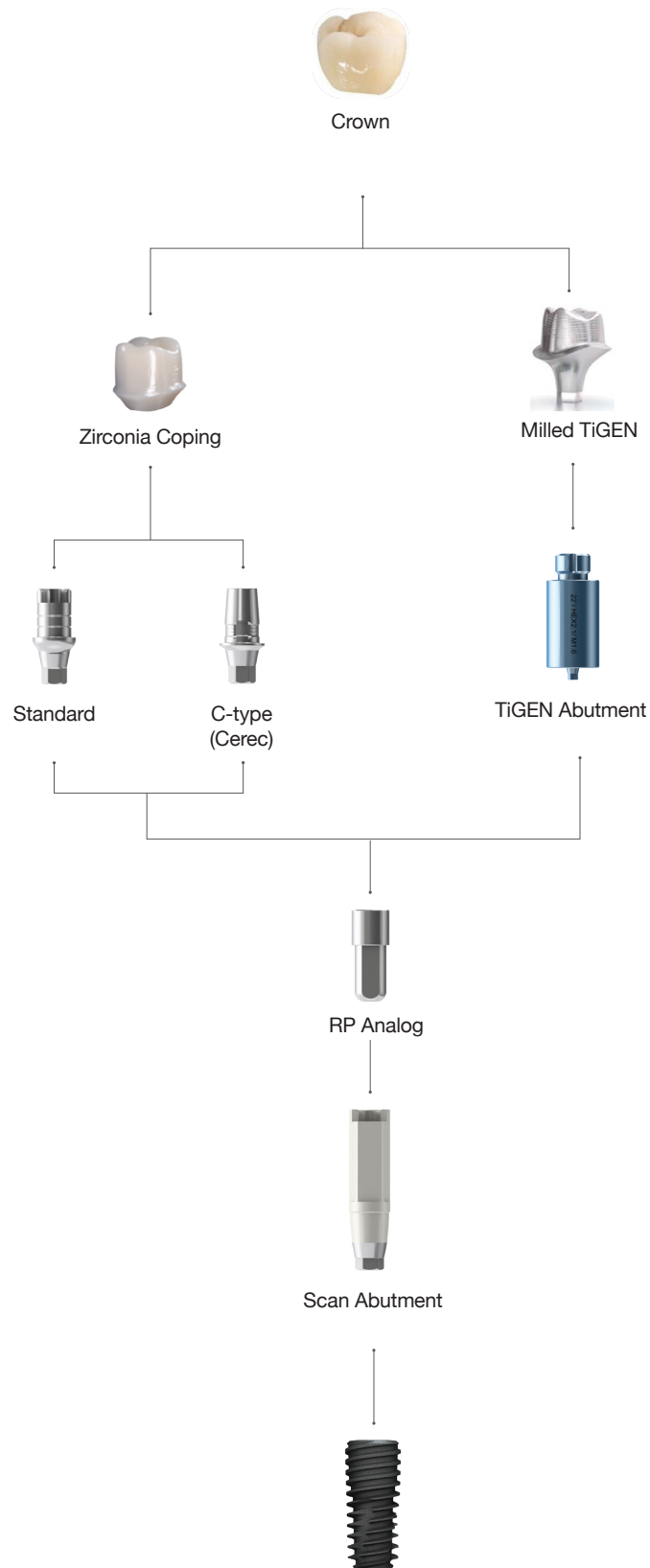


2. TiGEN®

- 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



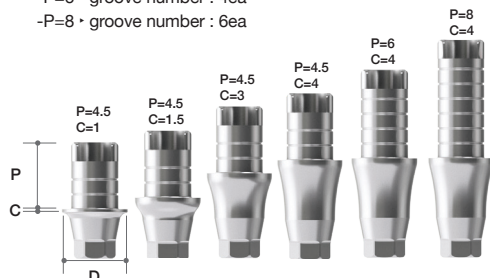
➔ Abutment & Prosthetic Option

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

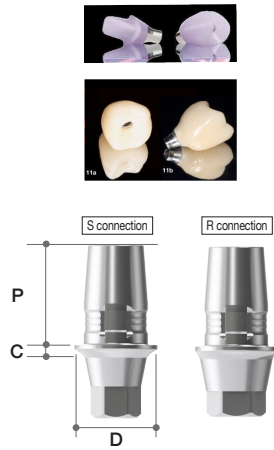


Standard

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

- ZrGEN Abutment

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



C-Type

System	Diameter	Cuff Height	Post Height	Post Size	Ref.C	
ST	S connection	3.9	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		Small	0.5	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	20	Hex	OSTG3112.MTN
					Non-Hex	OSTG3112N.MTN
			12		Hex	OSTG3111.MTN
					Non-Hex	OSTG3111N.MTN
	Regular		10		Hex	OSTG3212.MTN
					Non-Hex	OSTG3212N.MTN
			12		Hex	OSTG3211.MTN
					Non-Hex	OSTG3211N.MTN

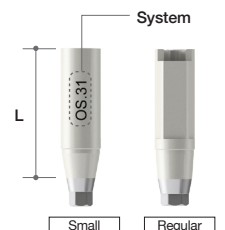


Scan Abutment

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

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

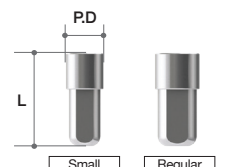
System	Profile Diameter	Length (mm)	Type	Ref.C
ST	4.0	9	Small	OSGSSC3110T
		13		OSGSSC3111T
		9	Regular	OSGSSC3210T
		13		OSGSSC3211T



RP Analog

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

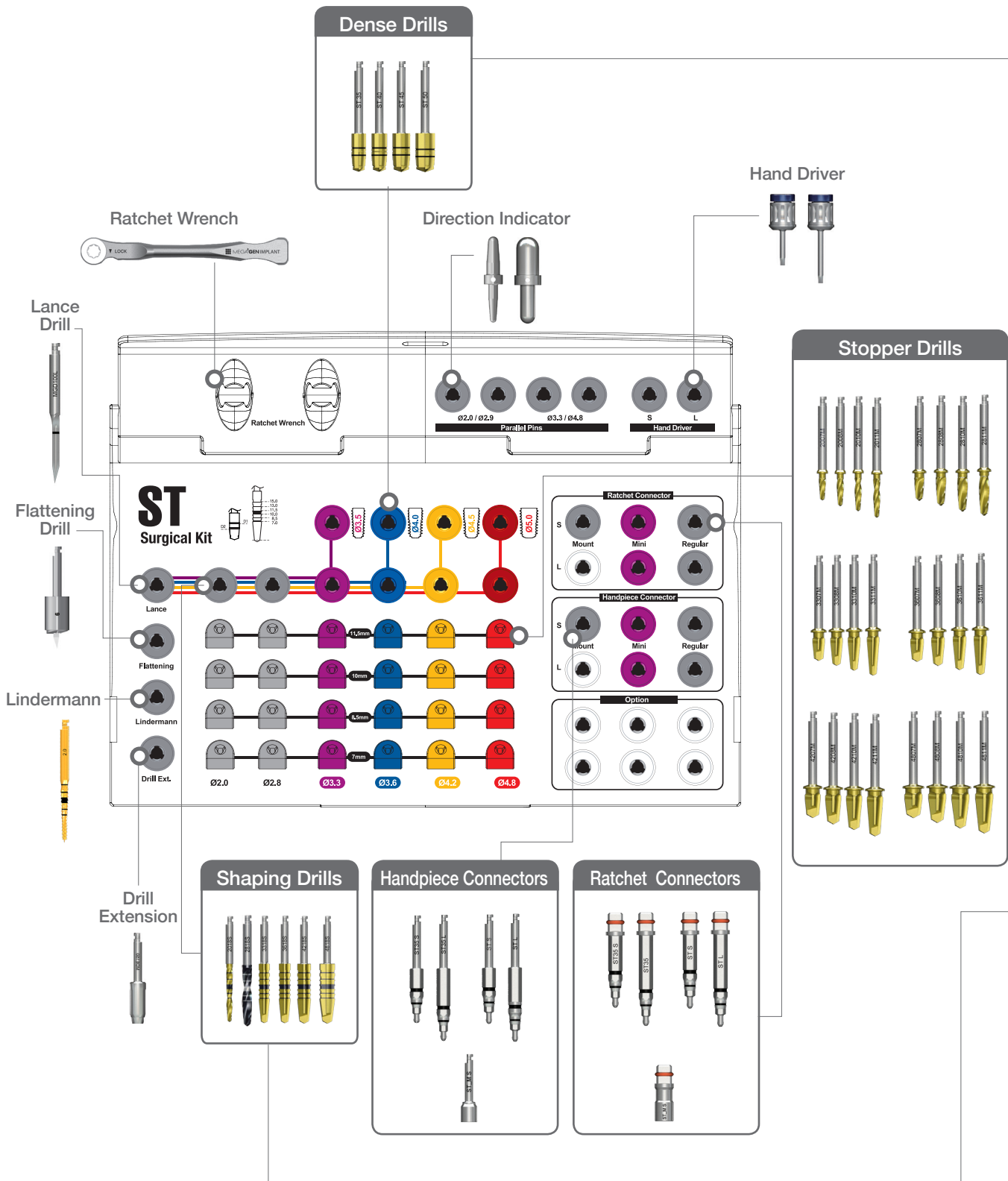
System	Profile Diameter	Length (mm)	Type	Ref.C
ST	3.7	9	Small	OSRA3709
	4.3		Regular	OSRA4309



ST Surgical Kit

Ref.C

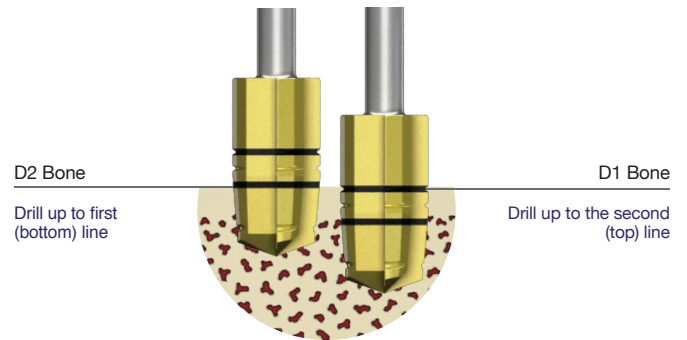
KSTIN3000



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

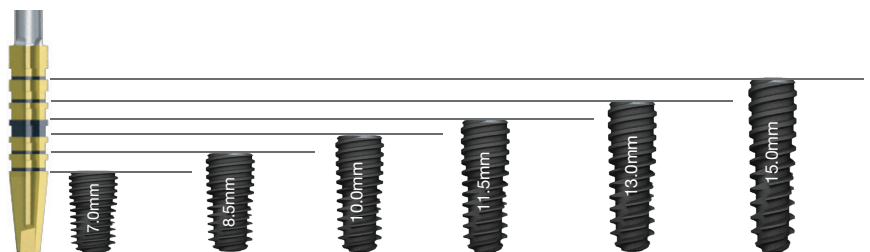
○ Dense Drills

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

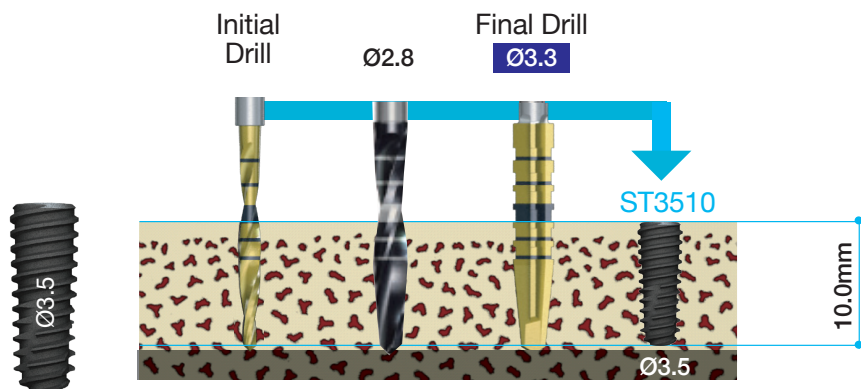


○ Shaping Drills

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



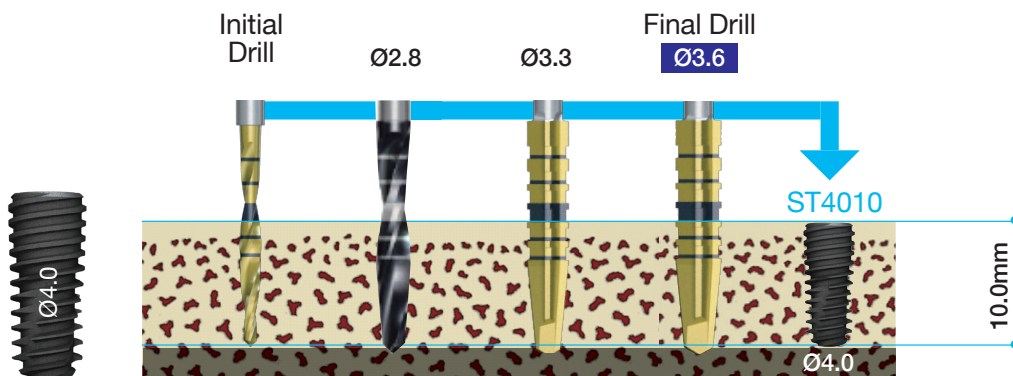
► ► Surgical Drilling Sequence



Ø3.5 Fixture

Ø3.5 Drilling Sequence

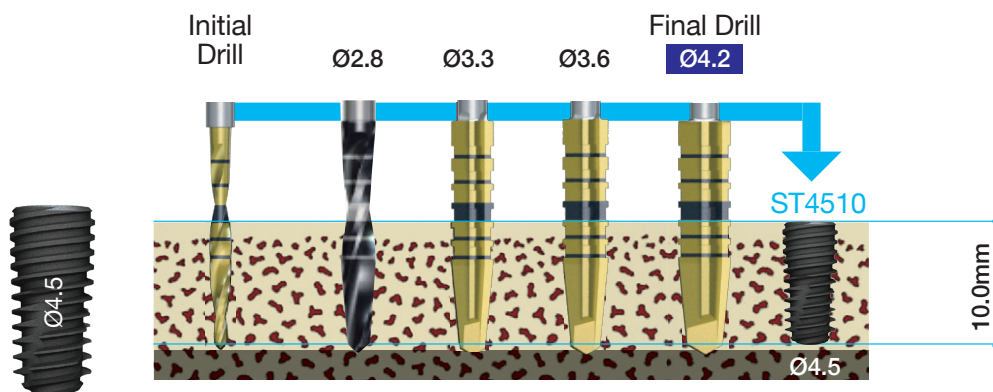
Actual fixture length is 10.0mm & shaping drill length is 0.59mm,
so total drill depth is 10.59mm



Ø4.0 Fixture

Ø4.0 Drilling Sequence

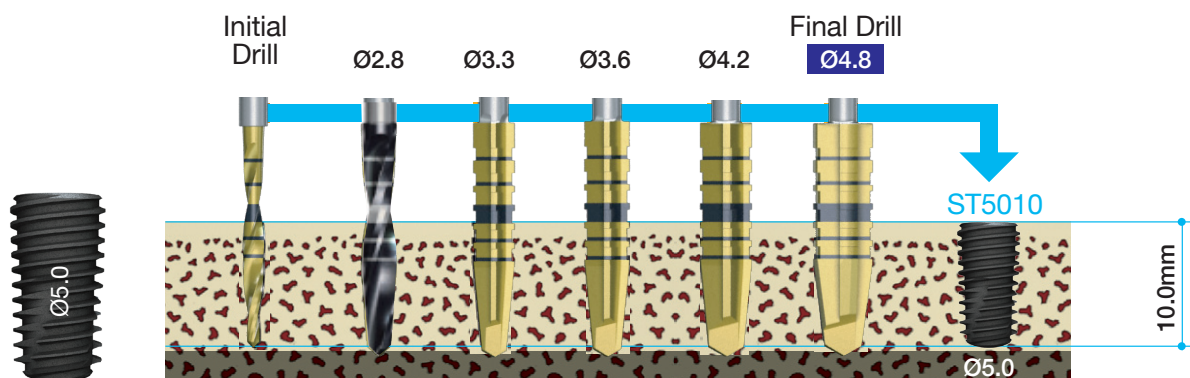
Actual fixture length is 10.0mm & shaping drill length is 0.68mm,
so total drill depth is 10.68mm



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

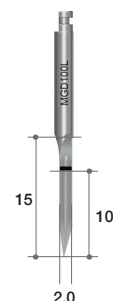
Actual fixture length is 10.0mm & shaping drill length is 0.89mm,
so total drill depth is 10.89mm

➔ ST Surgical Kit Components (Continued)

Lance Drill

- For easy marking of cortical bone for accurate drilling

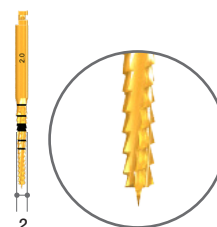
Diameter	Type	Ref.C
Ø2.0	Long	MGD100L



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

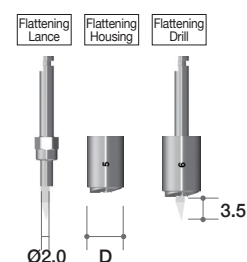


Flattening Drill

- 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

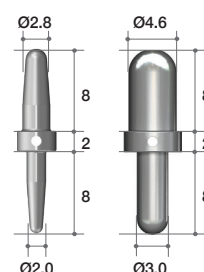
Ref.C
MDE150



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

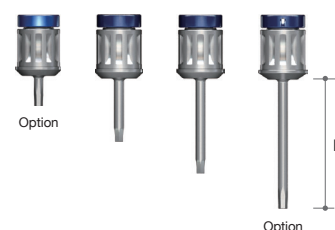
Ref.C
MRW040S



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	TCMH DU1200
10	Short	TCMH DS1200
15	Long	TCMH DL1200
20	*Extra-long	TCMH DE1200

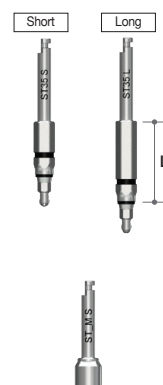


Handpiece Connector

- 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

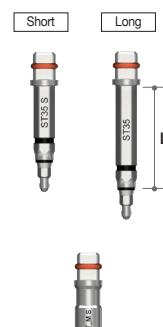


Ratchet Connector

- 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.

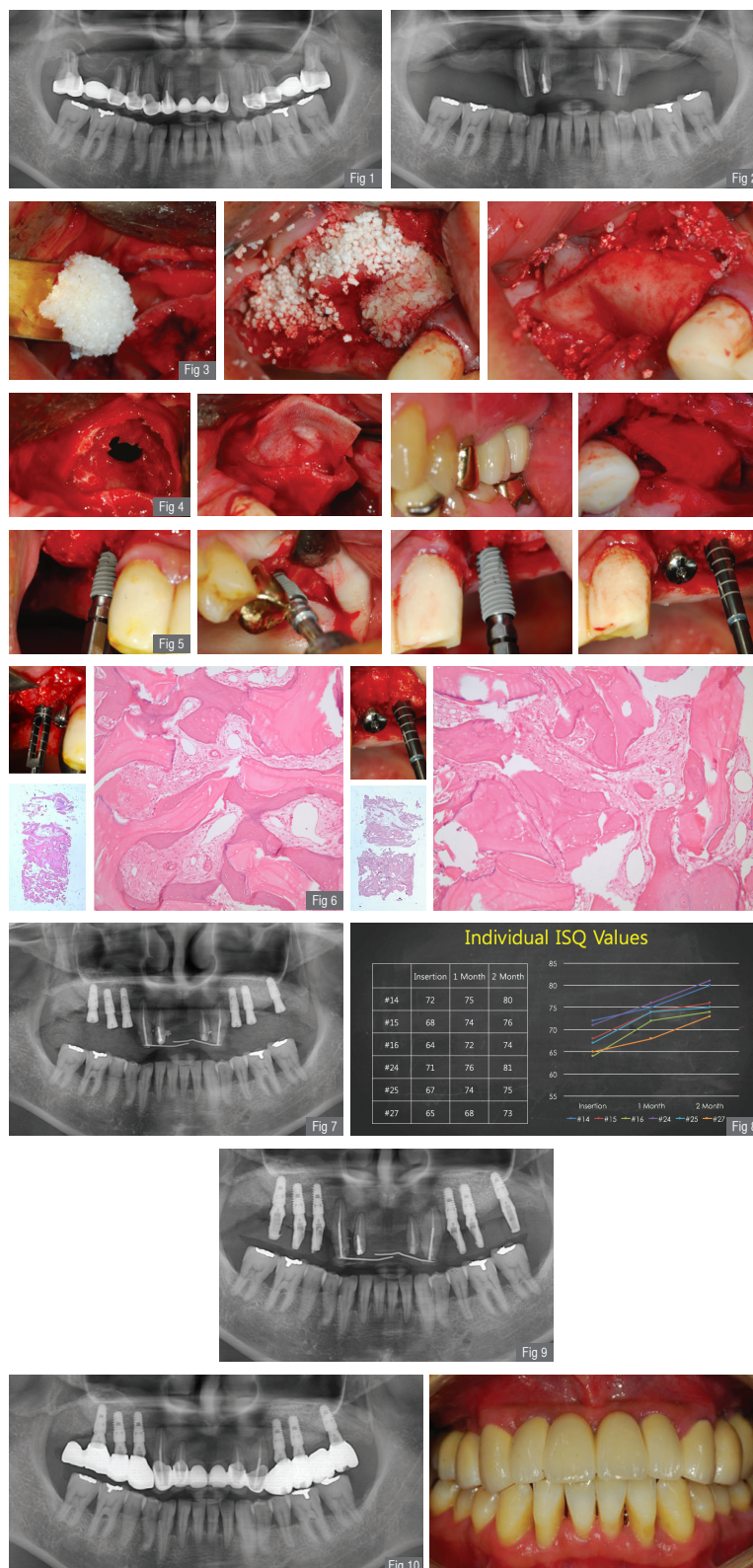
Fig 6. Vital bone formation area at 5 mm depth cut > 30%

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.





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