

# ST™

by MEGA'GEN

11° internal hex connection

KnifeThread combined  
with double thread

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





## Key Advantages

11° internal hex connection

KnifeThread combined with double thread

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



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## 54 Clinical Cases

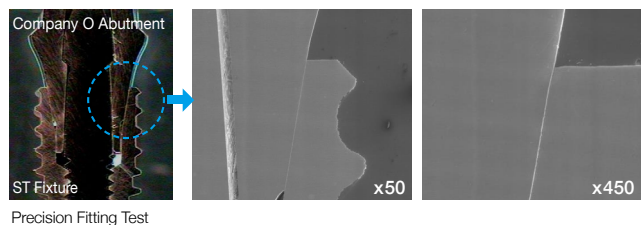
# Characteristics & Advantages

## I. Features

AnyRidge® technology maintains 100% compatibility with existing systems

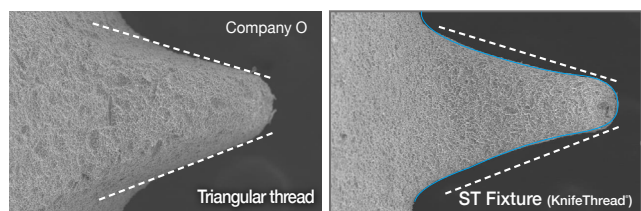
### More economical

11° internal connection with high compatibility



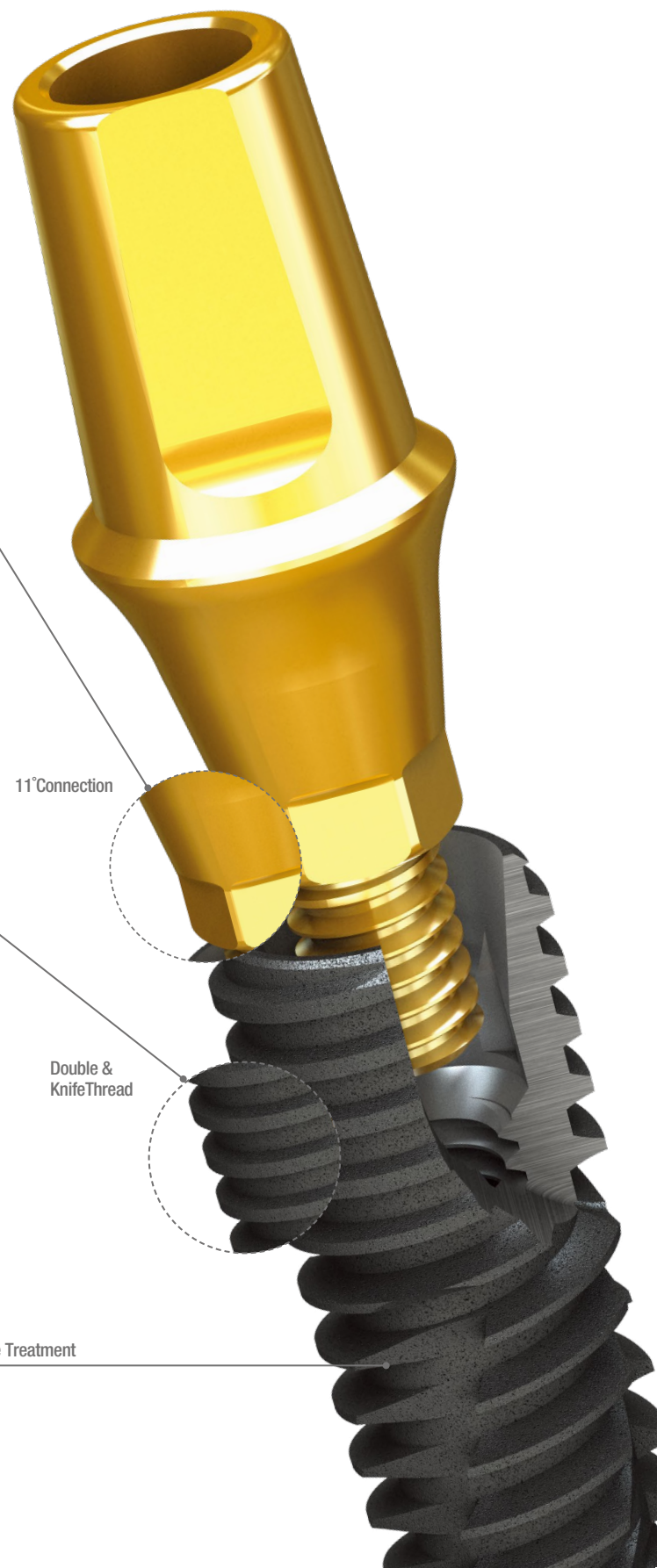
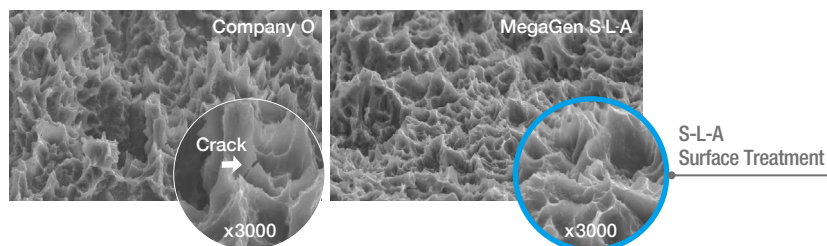
### KnifeThread® is added to Double Thread

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

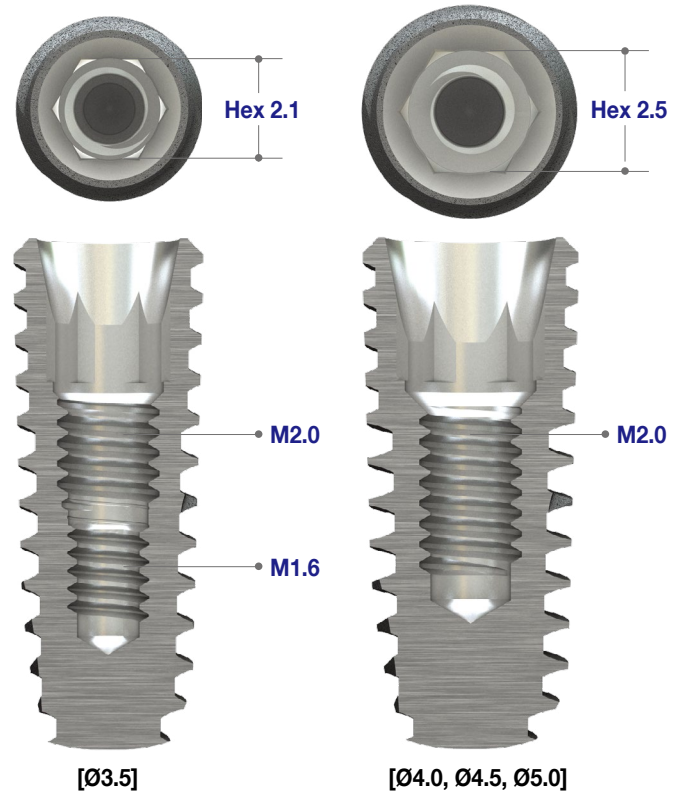


# Fixture Product

## I. Dimensions

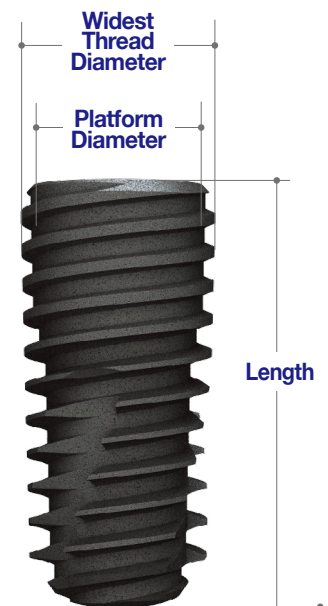
### Platform Diameter & Female Screw

Type	Diameter	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	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



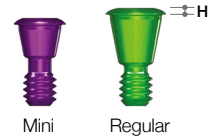
# Cover Screw & Healing Abutment

## 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)

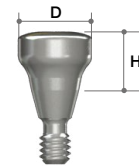
Height (mm)	Type	Ref.C
0.4	Mini	STCSS
	Regular	STCSR



## 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
- Recommended torque: by hand (5 - 8Ncm)

Diameter	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



## Healing Abutment

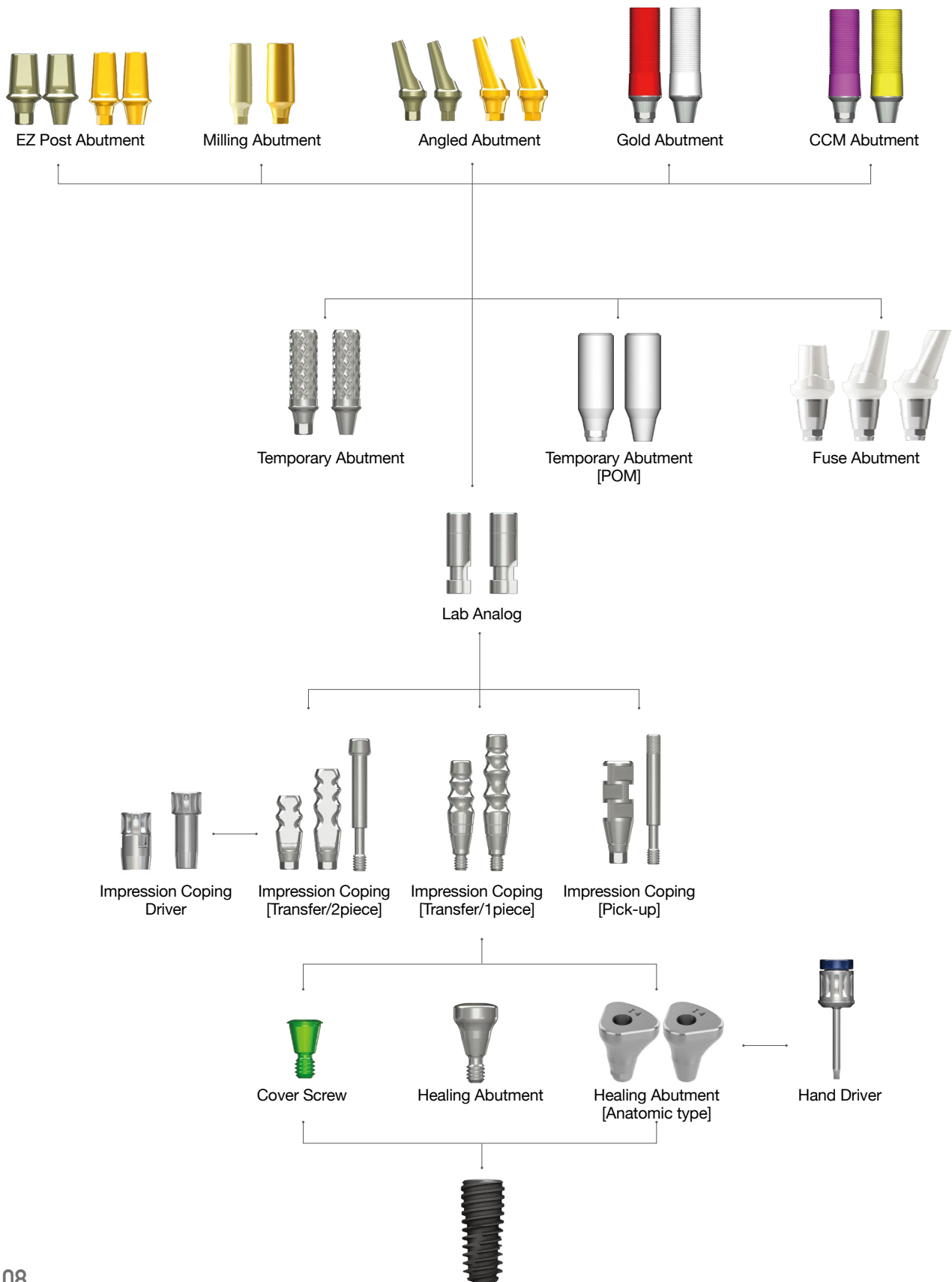
Ø4.5	Regular	3.0	STHA453R
		4.0	STHA454R
		5.0	STHA455R
		7.0	STHA457R
		9.0	STHA459R
Ø5.0	Regular	3.0	STHA503R
		4.0	STHA504R
		5.0	STHA505R
		7.0	STHA507R
		9.0	STHA509R
Ø6.0	Regular	3.0	STHA603R
		4.0	STHA604R
		5.0	STHA605R
		7.0	STHA607R
		9.0	STHA609R
Ø7.0	Regular	3.0	STHA703R
		4.0	STHA704R
		5.0	STHA705R
		7.0	STHA707R
		9.0	STHA709R

All in one package  
(Anatomic type)

Height (mm)	Connection	Ref.C
4	Hex	C-AHA004HP
	Non-Hex	C-AHA004NP
5	Hex	C-AHA005HP
	Non-Hex	C-AHA005NP
7	Hex	C-AHA007HP
	Non-Hex	C-AHA007NP

# Abutment & Prosthetic Options

## I. Fixture-level Prosthesis



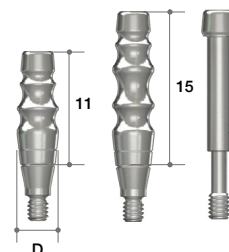
## ➔ Abutment Options & Components (Continued)

### Impression Coping (1-piece, Transfer Type) (For closed-Tray Technique)

- Guide Pins : STTIG1611/ STTIG1615/ STTIG2011/  
STTIG2015

- Should be tightened with Impression Coping Driver
- Special impression coping screw which can be used with a 1.2mm hex driver is available on request.

Diameter	Type	Connection	Height (mm)	Ref.C	
Ø4.0	1-piece	Mini	11	STTIM4011NH	
			15	STTIM4015NH	
11			STTIM4511NH		
15			STTIM4515NH		
Ø4.5		Regular	Mini	11	STTIS4011NH
				15	STTIS4015NH
Regular			11	STTIS4511NH	
			15	STTIS4515NH	
			11	STTIS5011NH	
			15	STTIS5015NH	
Ø5.0	Regular	Regular	11	STTIS6011NH	
			15	STTIS6015NH	
Ø6.0	Regular	Regular	11	STTIS7011NH	
			15	STTIS7015NH	
Ø7.0	Regular	Regular	11	STTIS7011NH	
			15	STTIS7015NH	

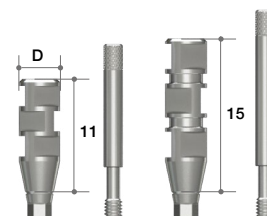


### Impression Coping (2-piece, Pick-up Type) (For closed-Tray Technique)

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

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

Diameter	Type	Connection	Height(mm)	Ref.C		
Ø4.0	2-piece	Mini	Hex	11	STPIM4011T	
				15	STPIM4015T	
			Non-Hex	11	STPIM4011NT	
				15	STPIM4015NT	
			Hex	11	STPIM4511T	
				15	STPIM4515T	
Non-Hex		11	STPIM4511NT			
		15	STPIM4515NT			
Ø4.5		Regular	Mini	Hex	11	STPIS4011T
					15	STPIS4015T
				Non-Hex	11	STPIS4011NT
					15	STPIS4015NT
	Hex			11	STPIS4511T	
				15	STPIS4515T	
Non-Hex	11	STPIS4511NT				
	15	STPIS4515NT				
Ø5.0	Regular	Regular	Hex	11	STPIS5011T	
				15	STPIS5015T	
			Non-Hex	11	STPIS5011NT	
				15	STPIS5015NT	
			Hex	11	STPIS6011T	
				15	STPIS6015T	
Non-Hex	11	STPIS6011NT				
	15	STPIS6015NT				
Ø6.0	Regular	Regular	Hex	11	STPIS7011T	
				15	STPIS7015T	
			Non-Hex	11	STPIS7011NT	
				15	STPIS7015NT	
			Hex	11	STPIS7011T	
				15	STPIS7015T	
Non-Hex	11	STPIS7011NT				
	15	STPIS7015NT				



## ➔ Abutment Options & Components (Continued)

### Lab Analog

Diameter	Connection	Ref.C
Ø3.5	Mini	STTLA350
Ø4.0	Regular	STTLA400

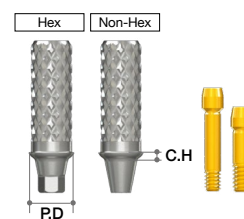


### Temporary Abutment

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

- To fabricate provisional restorations post area is designed to increase adhesive property of resin.
- Recommended torque: Mini 20Ncm/ Regular 25Ncm

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

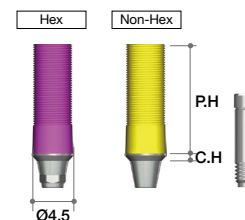


### CCM Abutment

- Abutment Screw(AS20) included

- Useful to make a customized abutment in difficult situations.
- Can be casted with non-precious alloys(Ni-Cr, Cr-Co alloys).
- Non-precious melting temperature : Depend on Manufacturer
- Threaded sleeves for convenient Resin / Wax-up.
- Melting temperature of CCM : 1300~1400°C
- Recommend torque : 35Ncm

Profile Diameter	Connection	Cuff Height (mm)	Post Height (mm)	Ref.C
Ø4.5	Regular	Hex	1.0	CA4515HT
		Non-Hex	11.0	CA4515NT

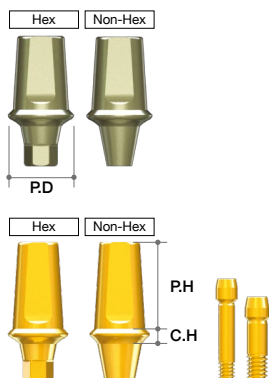


## EZ Post Abutment

- 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	Connection	Cuff Height(mm)	Post Height(mm)	Ref.C	Profile Diameter	Connection	Cuff Height(mm)	Post Height(mm)	Ref.C			
Ø4.5	Mini	Hex	1	5.5	STEA4611T	Non-Hex	Non-Hex	1	4.0	STEA5410NT		
			2		STEA4621T			2		STEA5420NT		
			3		STEA4631T			3		STEA5430NT		
			4		STEA4641T			4		STEA5440NT		
			5		STEA4651T			5		STEA5450NT		
		Non-Hex	1	7.0	STEA4711T		5.5	1	STEA5610NT			
			2		STEA4721T			2	STEA5620NT			
			3		STEA4731T			3	STEA5630NT			
			4		STEA4741T			4	STEA5640NT			
			5		STEA4751T			5	STEA5650NT			
	Non-Hex		1	5.5	STEA4611NT	7.0	1	STEA5710NT				
			2		STEA4621NT		2	STEA5720NT				
			3		STEA4631NT		3	STEA5730NT				
			4		STEA4641NT		4	STEA5740NT				
			5		STEA4651NT		5	STEA5750NT				
		Ø4.5	Regular	Hex	1	7.0	STEA4711NT	Hex	Hex	1	4.0	STEA6410T
					2		STEA4721NT			2		STEA6420T
					3		STEA4731NT			3		STEA6430T
					4		STEA4741NT			4		STEA6440T
					5		STEA4751NT			5		STEA6450T
Non-Hex	1			5.5	STEAS4611T	7.0	1		STEAS46110T			
	2				STEAS4621T		2		STEAS46220T			
	3				STEAS4631T		3		STEAS46330T			
	4				STEAS4641T		4		STEAS46440T			
	5				STEAS4651T		5		STEAS46550T			
	Non-Hex		1	7.0	STEAS4711T	5.5	1	STEAS47110T				
			2		STEAS4721T		2	STEAS47220T				
			3		STEAS4731T		3	STEAS47330T				
			4		STEAS4741T		4	STEAS47440T				
			5		STEAS4751T		5	STEAS47550T				
Ø5.0			Regular	Hex	1	4.0	STEA6410T	Hex	Hex	1	7.0	STEA6610NT
					2		STEA6420T			2		STEA6620NT
					3		STEA6430T			3		STEA6630NT
					4		STEA6440T			4		STEA6640NT
					5		STEA6450T			5		STEA6650NT
	Non-Hex	1		5.5	STEA6610T	7.0	1		STEA6610NT			
		2			STEA6620T		2		STEA6620NT			
		3			STEA6630T		3		STEA6630NT			
		4			STEA6640T		4		STEA6640NT			
		5			STEA6650T		5		STEA6650NT			
		Non-Hex	1	7.0	STEA6710T	5.5	1	STEA6710NT				
			2		STEA6720T		2	STEA6720NT				
			3		STEA6730T		3	STEA6730NT				
			4		STEA6740T		4	STEA6740NT				
			5		STEA6750T		5	STEA6750NT				
	Ø5.0		Regular	Hex	1	5.5	STEA7610T	Hex	Hex	1	7.0	STEA7610NT
					2		STEA7620T			2		STEA7620NT
					3		STEA7630T			3		STEA7630NT
					4		STEA7640T			4		STEA7640NT
					5		STEA7650T			5		STEA7650NT
Non-Hex		1		7.0	STEA7610T	5.5	1		STEA7610NT			
		2			STEA7620T		2		STEA7620NT			
		3			STEA7630T		3		STEA7630NT			
		4			STEA7640T		4		STEA7640NT			
		5			STEA7650T		5		STEA7650NT			
Ø6.0	Regular	Hex	1	4.0	STEA6410NT	Non-Hex	Non-Hex	1	5.5	STEA6610NT		
			2		STEA6420NT			2		STEA6620NT		
			3		STEA6430NT			3		STEA6630NT		
			4		STEA6440NT			4		STEA6640NT		
			5		STEA6450NT			5		STEA6650NT		
		Non-Hex	1	7.0	STEA6610NT		5.5	1	STEA6610NT			
			2		STEA6620NT			2	STEA6620NT			
			3		STEA6630NT			3	STEA6630NT			
			4		STEA6640NT			4	STEA6640NT			
			5		STEA6650NT			5	STEA6650NT			
Ø6.0	Regular	Hex	1	7.0	STEA6710T	Hex	Hex	1	5.5	STEA6710NT		
			2		STEA6720T			2		STEA6720NT		
			3		STEA6730T			3		STEA6730NT		
			4		STEA6740T			4		STEA6740NT		
			5		STEA6750T			5		STEA6750NT		
		Non-Hex	1	5.5	STEA6710T		5.5	1	STEA6710NT			
			2		STEA6720T			2	STEA6720NT			
			3		STEA6730T			3	STEA6730NT			
			4		STEA6740T			4	STEA6740NT			
			5		STEA6750T			5	STEA6750NT			
Ø7.0	Regular	Hex	1	5.5	STEA7610T	Hex	Hex	1	7.0	STEA7610NT		
			2		STEA7620T			2		STEA7620NT		
			3		STEA7630T			3		STEA7630NT		
			4		STEA7640T			4		STEA7640NT		
			5		STEA7650T			5		STEA7650NT		
		Non-Hex	1	7.0	STEA7610T		7.0	1	STEA7610NT			
			2		STEA7620T			2	STEA7620NT			
			3		STEA7630T			3	STEA7630NT			
			4		STEA7640T			4	STEA7640NT			
			5		STEA7650T			5	STEA7650NT			

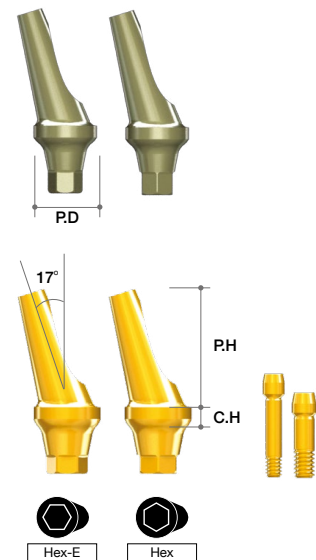
## ➔ Abutment Options & Components

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

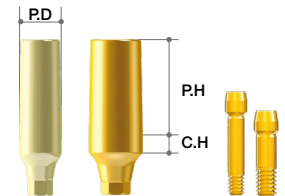


## Milling Abutment

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

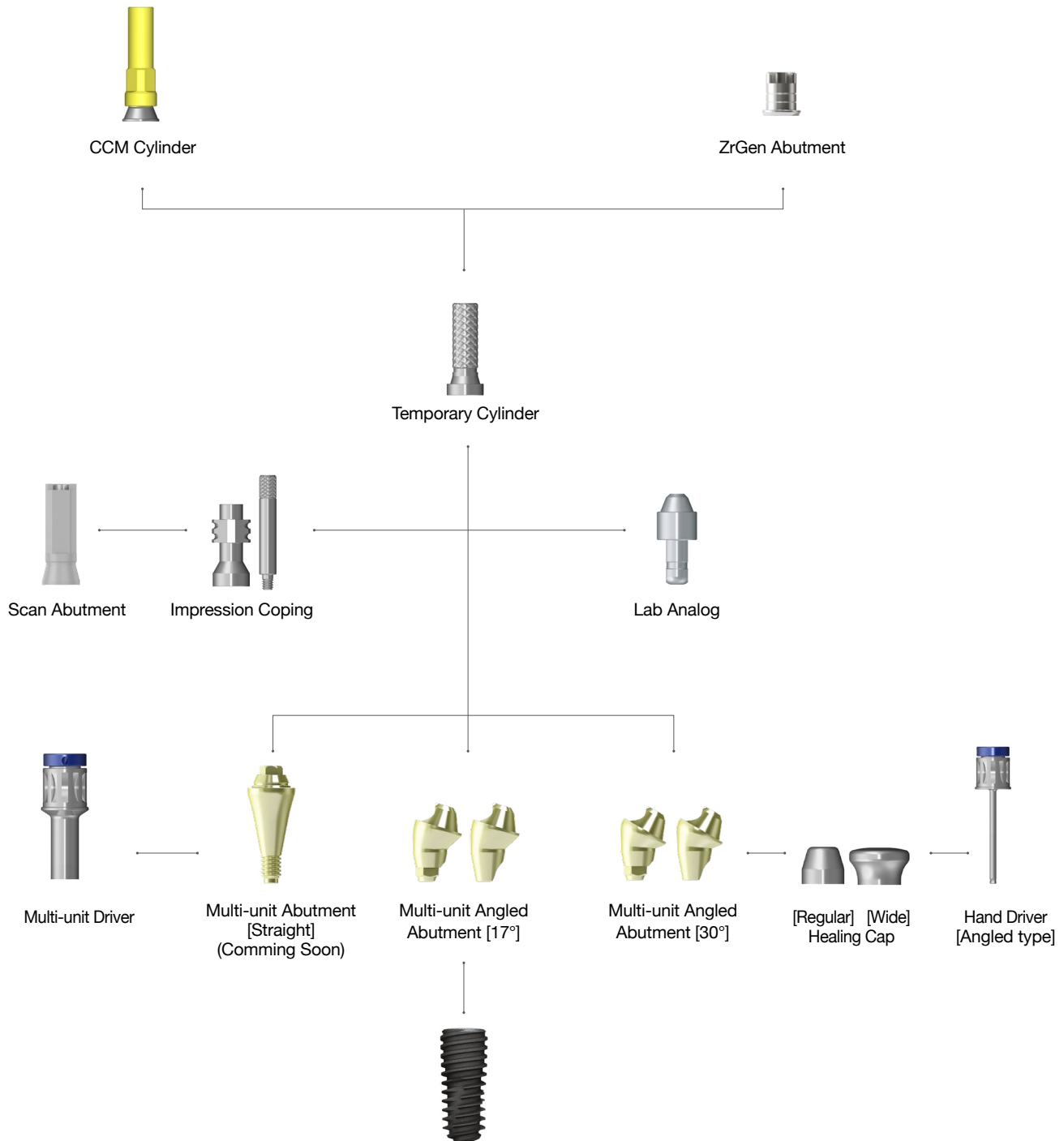
- Used for customized milling
- Profile diameters: Ø4.5/ Ø5.0/ Ø6.0/ Ø7.0
- Cuff heights: 1.5mm, 3.0mm
- Aesthetic appearance realized via anodizing
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm

Profile Diameter	Connection	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.5	Mini	1.5	10.5	STMA4015T
		3.0	9.0	STMA4030T
Ø4.5		1.5	10.5	STMAS4015T
		3.0	9.0	STMAS4030T
Ø5.0		1.5	10.5	STMAS5015T
		3.0	9.0	STMAS5030T
Ø5.0	Regular	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

# 2-1. Multi-unit Abutment & Components (All-on-4) (N-Type)



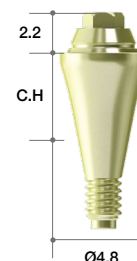
## ➔ Components for Multi-unit Abutment (Continued)

### Multi-unit Abutment - Straight

- MUA Straight Carrier (MUASC) included

- Regular: Compatible with AnyOne Internal System
- Recommend torque : Mini / 25Ncm, Regular / 35Ncm
- Mini, Regular Connection : Coming Soon

Cuff Height (mm)	Connection	Type	Ref.C
1.5	Mini	1-piece (M2)	MUASTMN0015C
2.5			MUASTMN0025C
3.5			MUASTMN0035C
4.5			MUASTMN0045C
1.5	Regular		MUAAON0015C
2.5			MUAAON0025C
3.5			MUAAON0035C
4.5			MUAAON0045C

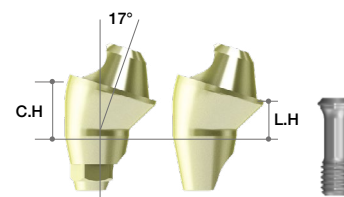


### Multi-unit Angled Abutment - 17°

- MUA Screw (MUAOS) included  
- MUA Angled Carrier (MUAAC) included

- Recommend torque : Mini / 25Ncm, Regular / 25Ncm
- Mini Connection : Coming Soon

Cuff Height (Labial) (mm)	Connection	Ref.C	
2.5 (1.1)	Mini	Hex	
3.5 (2.1)			MUASTMH1725TC
4.5 (3.1)			MUASTMH1735TC
2.5 (1.1)	Mini	Non-Hex	
3.5 (2.1)			MUASTMH1745TC
4.5 (3.1)			MUASTMN1725TC
2.5 (1.1)	Regular	Hex	
3.5 (2.1)			MUASTMN1735TC
4.5 (3.1)			MUASTMN1745TC
2.5 (1.1)	Regular	Non-Hex	
3.5 (2.1)			MUAAOH1725TC
4.5 (3.1)			MUAAOH1735TC
2.5 (1.1)	Regular	Hex	
3.5 (2.1)			MUAAOH1745TC
4.5 (3.1)			MUAAON1725TC
2.5 (1.1)	Regular	Non-Hex	
3.5 (2.1)			MUAAON1735TC
4.5 (3.1)			MUAAON1745TC

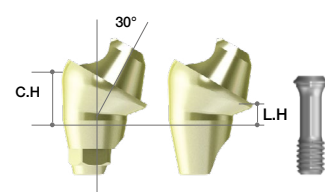


### Multi-unit Angled Abutment - 30°

- MUA Screw (MUAOS) included  
- MUA Angled Carrier (MUAAC) included

- Recommend torque : Mini / 25Ncm, Regular / 25Ncm
- Mini Connection : Coming Soon

Cuff Height (Labial) (mm)	Connection	Ref.C
3.5 (1.1)	Mini	Hex
4.5 (2.1)		
3.5 (1.1)	Mini	Non-Hex
4.5 (2.1)		
3.5 (1.1)	Regular	Hex
4.5 (2.1)		
3.5 (1.1)	Regular	Non-Hex
4.5 (2.1)		
3.5 (1.1)	Regular	Hex
4.5 (2.1)		
3.5 (1.1)	Regular	Non-Hex
4.5 (2.1)		
3.5 (1.1)	Regular	Hex
4.5 (2.1)		
3.5 (1.1)	Regular	Non-Hex
4.5 (2.1)		

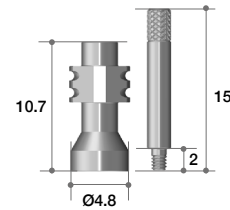


## ➔ Components for Multi-unit Abutment (Continued)

### Impression coping (Pick-up)

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

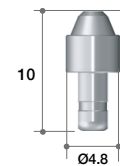
Connection	Ref.C
Non-Hex	MUAICT



### 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.

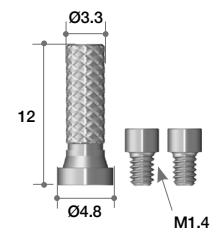
Head form	Ref.C
Multi-unit Abutment(Nobel)	MUALA



### 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

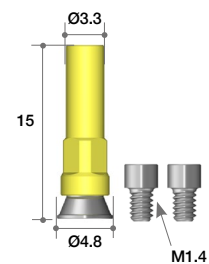
Connection	Ref.C
Non-Hex	MUATCL



### 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

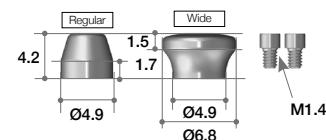
Connection	Ref.C
Non-Hex	MUACCML



## 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 : Available by changing to 'P' instead of 'L' from current Ref.C**

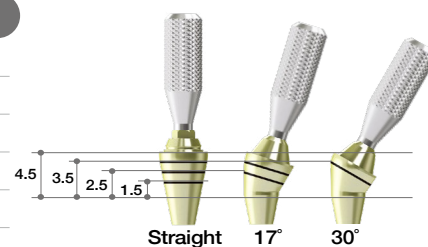
Ex) MUAHCL → MUAHCP



## Try-in Abutment

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

Angle	Connection	Cuff Marking	Ref.C
Straight	Mini	1.5 / 2.5 / 3.5 / 4.5	MUTIASTM00C
17°		2.5 / 3.5 / 4.5	MUTIASTM17C
30°		3.5 / 4.5	MUTIASTM30C
Straight	Regular	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**

\* Kit contains Straight, 17° and 30° type of Try-in Abutments (1 each)

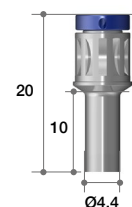


## ➔ Components for Multi-unit Abutment

### Multi-unit Driver

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

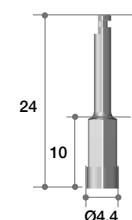
Hex	Length	Ref.C
2.0	10	MUD10



### Right Angle Driver

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

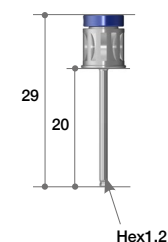
Hex	Length	Ref.C
2.0	10	MURAD10



### Hand Driver

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

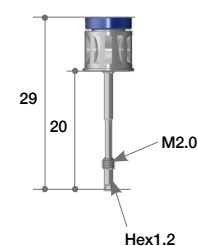
Hex	Length	Ref.C
1.2	20	MUHD1220



### Removal Driver

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

Hex	Length	Ref.C
1.2	20	MUARD20



## ►► Multi-unit Abutment Set Contents

### Multi-unit Abutment Healing Cap-type Set Reference Code

Order code : Available by changing to 'HP' instead of 'C' or 'TC' from current Ref.C

Ex) MUAAOH1725TC → MUAAOH1725 **HP**

### Multi-unit Abutment CCM-type Set Reference Code

Order code : Available by changing to 'P' instead of 'C' or 'TC' from current Ref.C

Ex) MUAAOH1725TC → MUAAOH1725 **P**

ST  
Internal



Cuff  
1.5mm  
2.5mm  
3.5mm  
4.5mm



Cuff  
2.5mm  
3.5mm  
4.5mm



Cuff  
3.5mm  
4.5mm



Impression  
Coping



Lab Analog

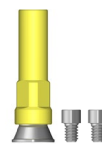


Temporary  
Cylinder



Healing  
Cap  
(Regular)

OR



CCM  
Cylinder

## ▶ Starting Package Contents



	Type	Ref.C
Healing Cap	Hex	SKAOHN3000H
	Non Hex	SKAONN3000H
CCM Abutment	Hex	SKAOHN3000
	Non Hex	SKAONN3000

**Straight 8set**  
(2set x 4kind of cuff)

**Angle 17° 6set**  
(2set x 3kind of cuff)

**Angle 30° 4set**  
(2set x 2kind of cuff)

**Multi-unit Abutment with "carrier"**

\* MUA carrier is used to pick-up an abutment to the patient's mouth, and check its insertion angle.

Healing Cap (Regular) or CCM Cylinder  
Temporary Cylinder  
Lap Analog  
Impression Coping

**Surgical Instrument**

Multi-unit Driver    Right Angle Driver    Hand Driver    Removed Driver

**Healing Cap 2set**

Regular  
Wide

**Try-in Abutment 1set**  
(Straight, 17°, 30° each 1ea)

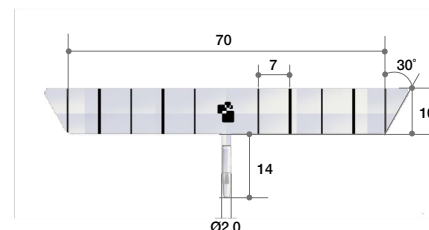
**Surgical Guide 2ea**

## ➔ Components for Multi-unit Abutment

### Surgical Guide

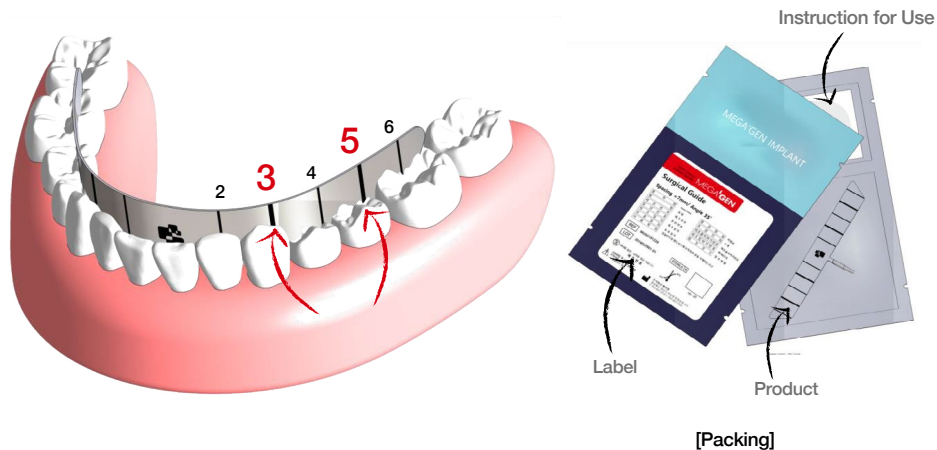
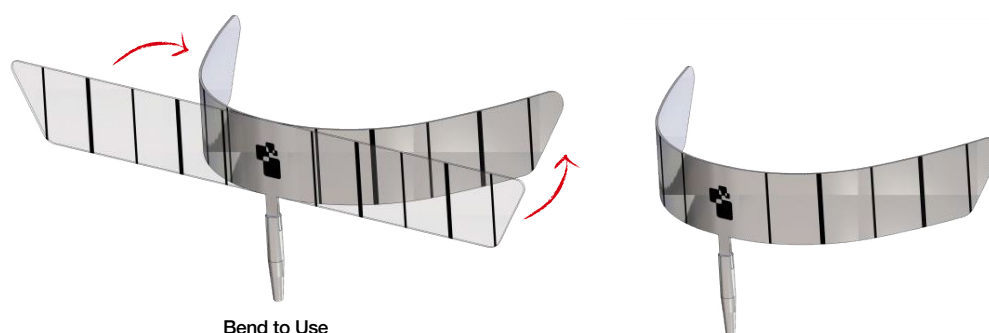
- The distance between the lines is 7mm
- Put center pin after initial drilling at the centric of arch.

Angle	Marking Length	Ref.C
30	7	MUSG70



### ▶▶ How to use Surgical Guide

- ※ As Canine and 2<sup>nd</sup> premolar are most commonly used, the surgical guide has thicker lines for easier identification.
- ※ The surgical guide is able to use for 1st molar depending on surgical plan.



### III. Overdenture Prosthesis

# 1. MegaGen Overdenture System

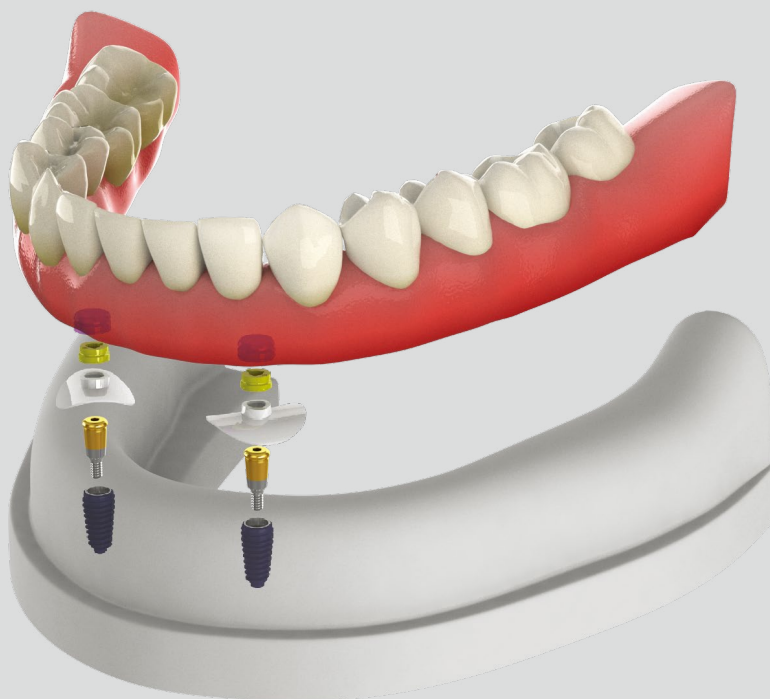
## Meg-Loc

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.



### 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

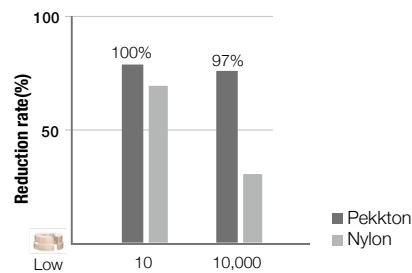
Combination of Titanium housing and reinforced plastic (Pekkton) provides low water solubility and high resistance, making it superior in abrasion resistance and durability compared to existing products.

Water Sorption Test

Property	Meg-Loc (Pekkton)	Product L	Unit
Water Sorption	8.7	93.5	µg/mm <sup>3</sup>

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.



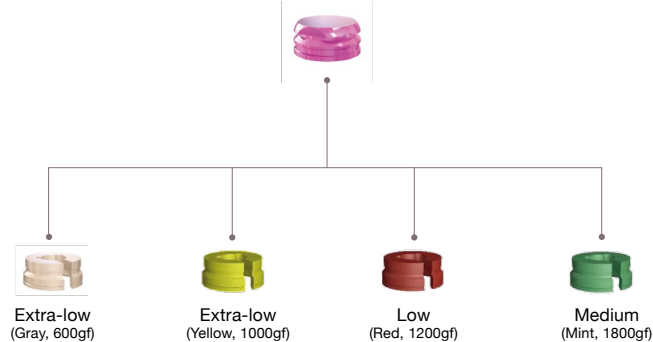
Easy to use

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

Tilting Angle



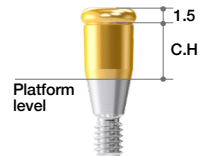
Various Retentive Caps of the Meg-Loc



## ➔ 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



Connection	Cuff Height (mm)	Ref.C	Connection	Cuff Height (mm)	Ref.C
Mini	0	MLSTM00	Regular	0	MLAO00
	1.0	MLSTM01		1.0	MLAO01
	2.0	MLSTM02		2.0	MLAO02
	3.0	MLSTM03		3.0	MLAO03
	4.0	MLSTM04		4.0	MLAO04
	5.0	MLSTM05		5.0	MLAO05
	6.0	MLSTM06		6.0	MLAO06
	7.0	MLSTM07	7.0	MLAO07	



### Meg-Loc Package

- 1 Meg-Loc Abutment

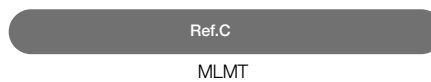
\* Following package items are delivered with San DreMetto Korea packaging.

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

Connection	Cuff Height (mm)	Ref.C	Connection	Cuff Height (mm)	Ref.C
Mini	0	MLSTM00P	Regular	0	MLAO00P
	1.0	MLSTM01P		1.0	MLAO01P
	2.0	MLSTM02P		2.0	MLAO02P
	3.0	MLSTM03P		3.0	MLAO03P
	4.0	MLSTM04P		4.0	MLAO04P
	5.0	MLSTM05P		5.0	MLAO05P
	6.0	MLSTM06P		6.0	MLAO06P
	7.0	MLSTM07P	7.0	MLAO07P	

### Multi Tool

- Retention insert Insert & Remove Tool



## ►► Meg-Ball Overdenture System

<p><b>Advantages</b></p> <p>Easy compatibility</p> <p>Smallest Housing</p> <p>Double length of life</p> <p>Stable denture even when implant placement angle is distorted</p>	<div data-bbox="571 586 624 685"> <p>Ø2.25</p> </div> <p>Ø2.25 head size for easy compatibility with other products</p> <div data-bbox="564 770 635 857"> <p>Ø5</p> </div> <p>Metal Housing</p> <p>Small housing minimizes patient inconvenience, facilitates arrangement of artificial teeth by reducing space occupied by denture, and is easier to maintain than other systems.</p> <div data-bbox="571 1005 635 1048"> </div> <p>Retentive Ring</p> <p>High elasticity, abrasion resistance, and durability doubles the length of life when compared with silicone O-ring and guarantees longer life than NBR products.</p> <p>Positioner (0/5/10/15 degrees) maintains parallel housing direction even when angle of implant placement is distorted, ensuring denture stability</p> <div data-bbox="587 1323 1235 1487"> <p>0°      5°      10°      15°</p> </div>
<p>Tilting Angle</p>	<div data-bbox="746 1738 1110 2078"> <p>30°</p> </div>

## ➔ Meg-Ball Overdenture System

### Meg-Ball Abutment

- Angle compensation to one side 15° (both sides 30°)
- Ø2.25 Ball shape
- Recommend torque : 35Ncm



Connection	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

Connection	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°)

Connection	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

Connection	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

### Meg-Ball Metal Housing Set

- 1 Metal Housing
- 1 Retentive Ring

Ref.C
MBHR



### Retentive Ring Set

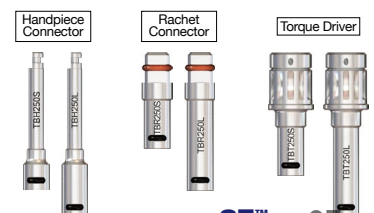
Quantity	Ref.C
5	MBR5
10	MBR10



### 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



## ►► 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

Component of the Meg-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



# ➔ Meg-Magnet Overdenture System

## Meg-Magnet Abutment

- Use to 1.2 Hex Driver

• Recommend torque : 35Ncm



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



## Meg-Magnet Package

- 1 Meg-Magnet Abutment
- 1 Magnet (Ø4.5-450gf, Ø5.0-650gf)
- 1 Magnetic Positioner

### \*Caution!

#### [Magnetic Positioner]

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

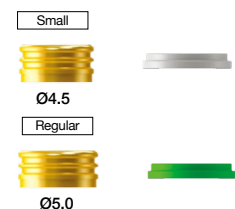
#### [Magnet]

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

## Magnet Attachment Set

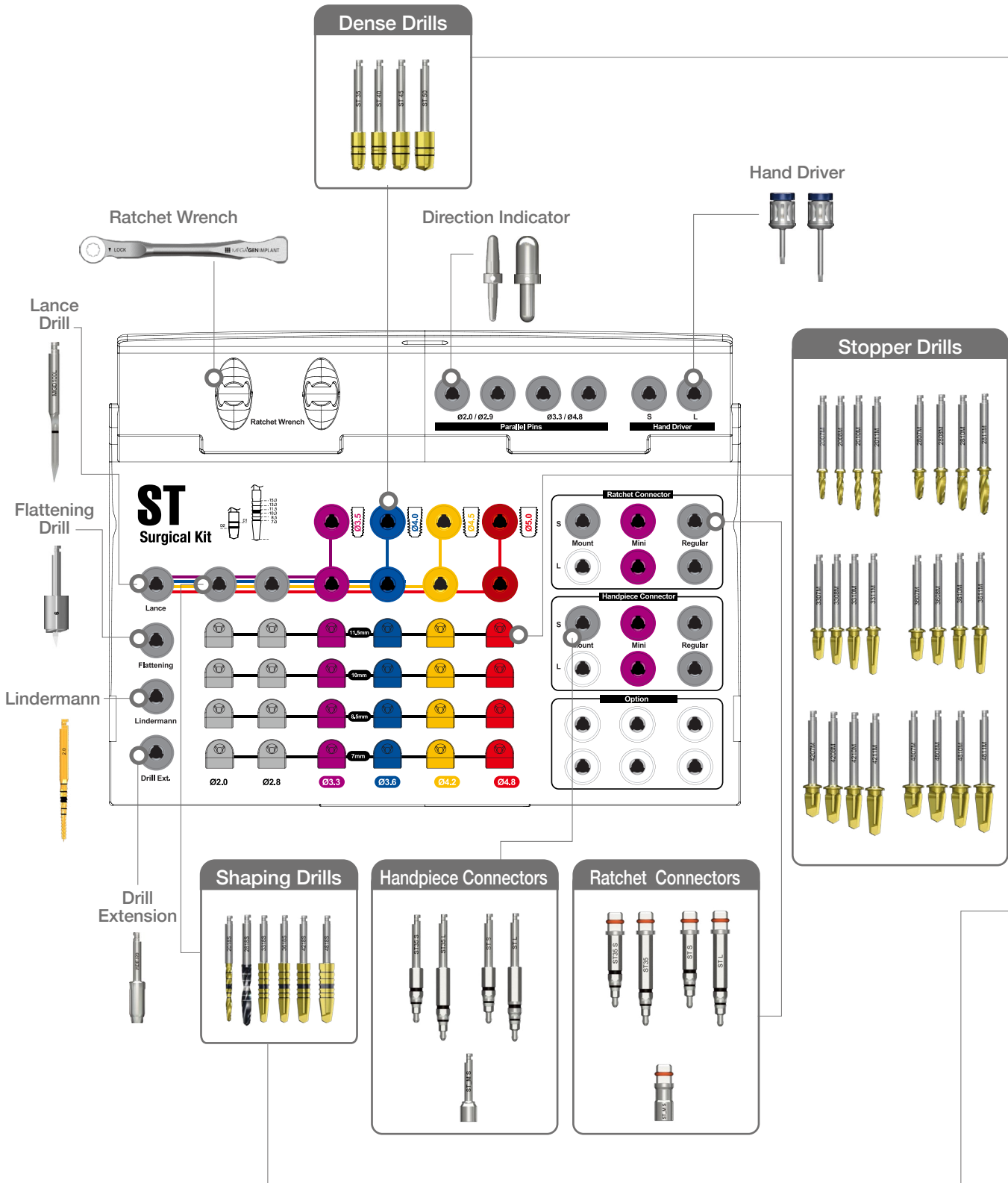
Size	Ref.C
Small	MA402
Regular	MA502



# ST Surgical Kit

Ref.C

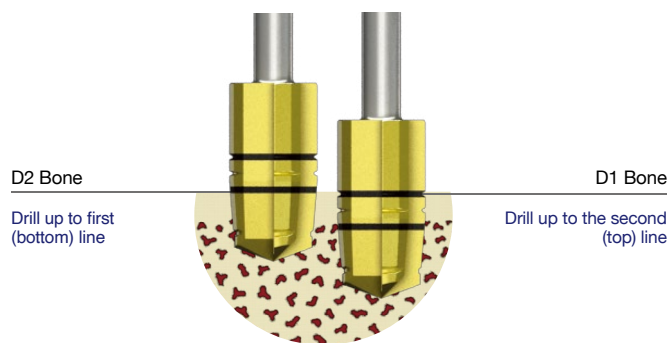
KSTIN3000



Product coordinator : Hyun wook An, rmd\_dir@imegagen.com

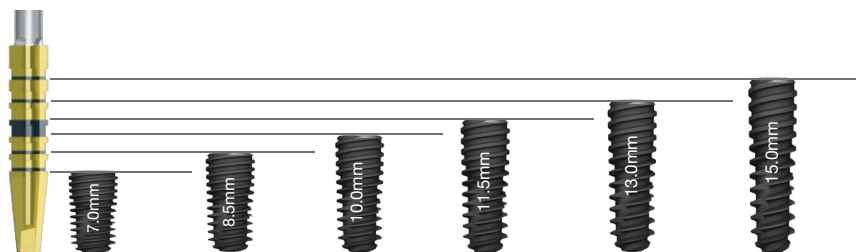
## ○ Dense Drills

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

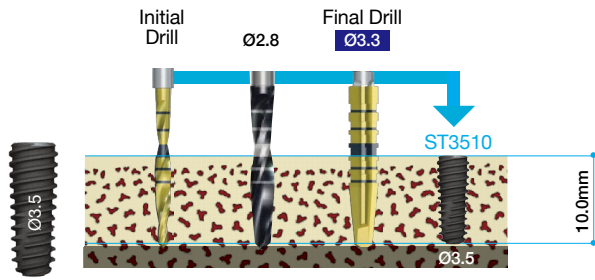


## ○ Shaping Drills

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

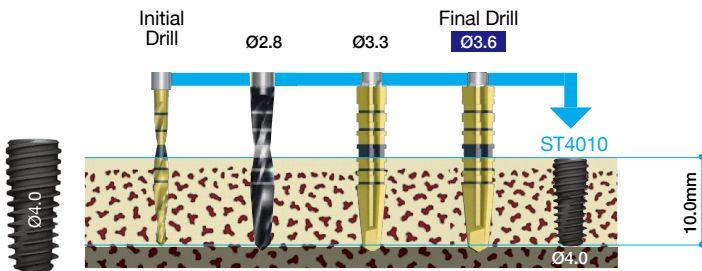


## ▶ ▶ Surgical Drilling Sequence



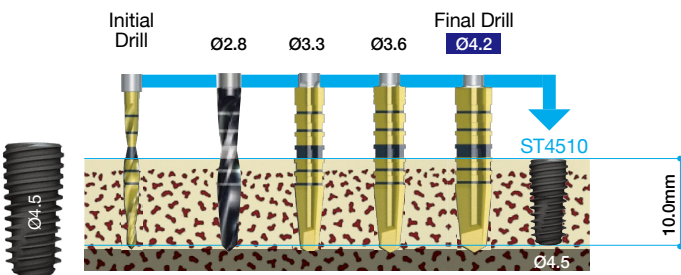
### Ø3.5 Fixture Ø3.5 Drilling Sequence

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



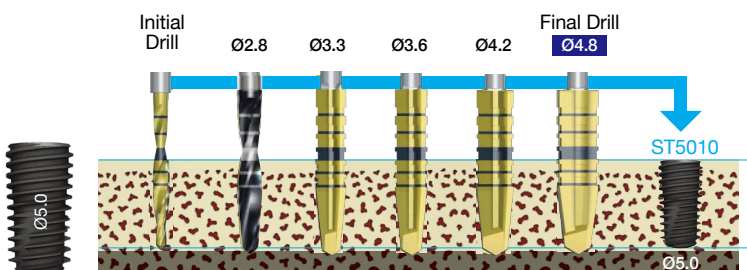
### Ø4.0 Fixture Ø4.0 Drilling Sequence

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

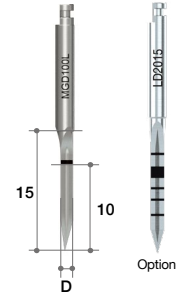
## ➔ ST Surgical Kit Components (Continued)

### Lance Drill

- For easy marking of cortical bone for accurate drilling

Diameter	Type	Ref.C
Ø2.0	Long	MGD100L
	Short	*LD2015
	Long	*LD2025
	Ultra-Long	*LD2030

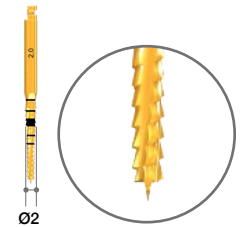
(\*) Separate sales item.



### Lindermann Drill

- For controlling drilling path

Diameter	Ref.C
Ø2	TEEL200M



### Shaping Drill

- 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

(\*) Separate sales item.



### Dense Drill

- 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



# ➔ ST Surgical Kit Components

## Stopper Drill

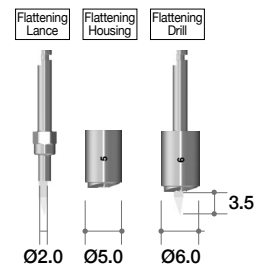
Diameter	Blade Length (mm)	Ref.C
Ø2.0	7	SD2007M
	8.5	SD2008M
	10	SD2010M
	11.5	SD2011M
Ø2.8	7	SD2807M
	8.5	SD2808M
	10	SD2810M
	11.5	SD2811M
Ø3.3	7	SD3307M
	8.5	SD3308M
	10	SD3310M
	11.5	SD3311M
Ø3.6	7	SD3607M
	8.5	SD3608M
	10	SD3610M
	11.5	SD3611M
Ø4.2	7	SD4207M
	8.5	SD4208M
	10	SD4210M
	11.5	SD4211M
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		FD6020



## Drill Extension

- For extending length of drill connected to handpiece
- Can be damaged if 45Ncm or higher torque is applied

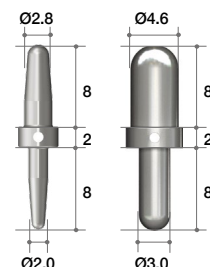
Ref.C
MDE150



## Direction Indicator

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

Diameter	Ref.C
Ø2.0 / Ø2.8	MDI100
Ø3.0 / Ø4.6	MDI3348



## 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

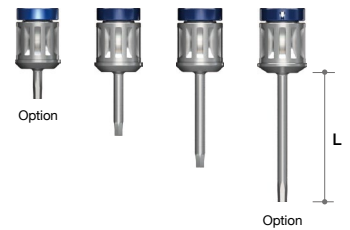
Ref.C
MRW040S



## 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



(\*) Separate sales item.

## 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



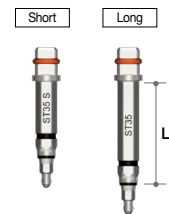
Length(mm)	Type	Connection	Ref.C
15	Short	Mount	STHCS36M



## 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



# Digital Material

## I. ZrGEN®

ZrGEN® is the brand name of MegaGen's Titanium Base. ZrGEN provides an aesthetic outcome and simplified dental implant prosthesis. A ZrGEN® crown and monolithic crown connected to a ZrGEN® Abutment provide strong and precise connection with the implant fixture.

### Variety of ZrGEN®

ZrGEN Coping

PMMA Provisional Crown

ZrGEN Monolithic

ZrGEN Crown

ZrGEN Bridge

ZrGEN Coping for PFZ

ZrGEN Sub Structure

ZrGEN Abutment

Zirconia customized body

Zirconia Final Crown

ZrGEN®

The strength of ZrGEN® frees you from the chipping of conventional PFM prosthesis. Monolithic zirconia crowns have no metal substructure, ensuring more aesthetic results. ZrGEN® crown and bridge are a superior substitutes for all conventional dental materials.

Tooth Shade Cuff Area

Minimized Ti-connection

## II. TiGEN®

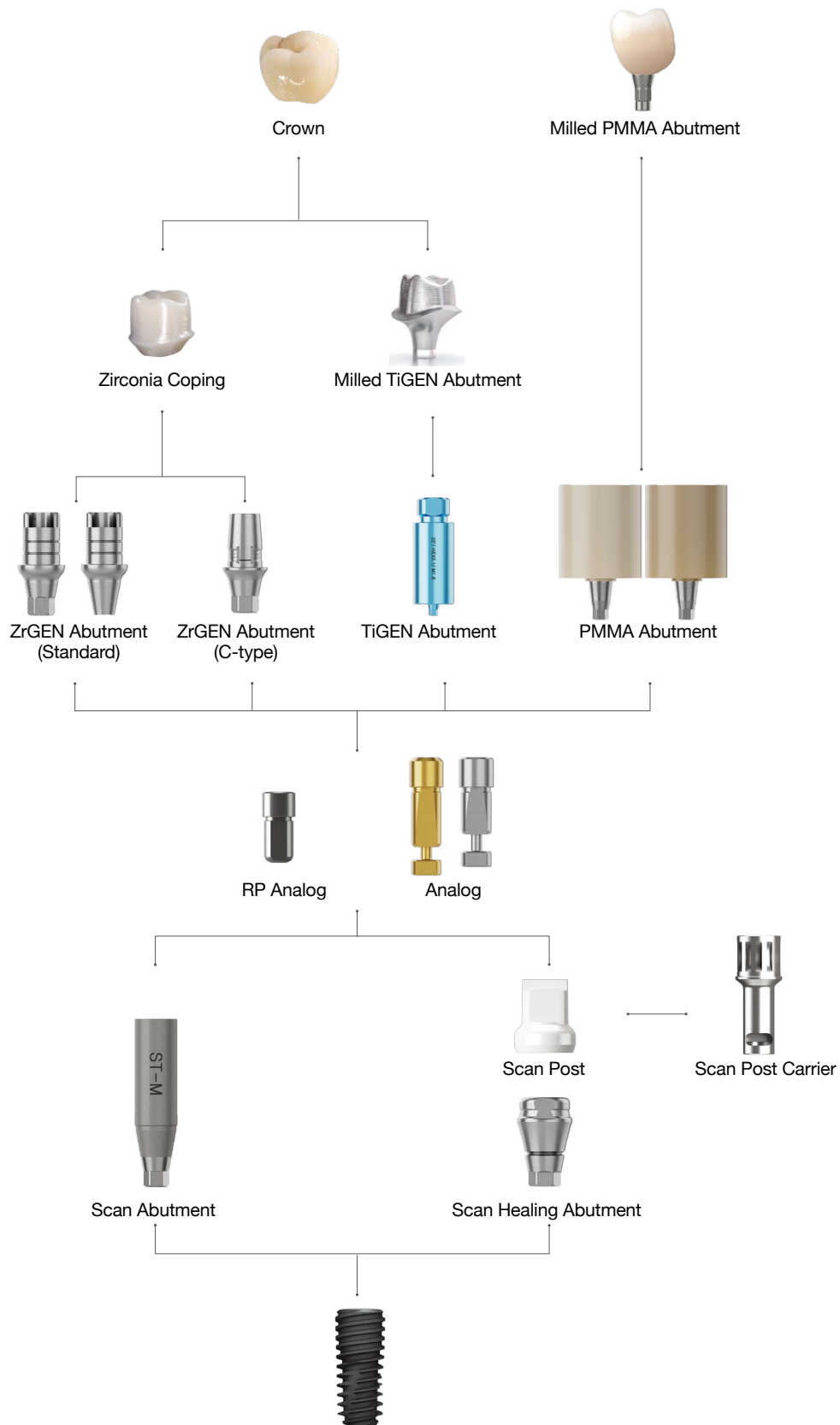
TiGEN® is the brand name of MegaGen's Pre-milled Abutment. It promises outstanding durability and simplified dental implant prosthesis. Ready-made connection part provides a strong and precise connection with the implant fixture.



### Clinical Application



## ➔ Digital Prosthesis

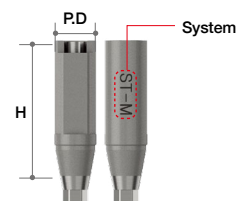


## ➔ Abutment & Prosthetic Option

### Scan Abutment

- Abutment Screw included.
  - ✓ ST Mini (SAOSGSAS3110)
  - ✓ ST Regular (SAOSGSAS3210)
- For Chairside/ Labside
- Included spare Abutment Screw
- Supporting Dental CAD
  - 3Shape
  - exocad
  - Dental Wings
- Recommend torque : By Hand (5~8Ncm)

System	Profile Diameter	Height (mm)	Ref.C
ST	Mini	9	OSGSSC3110T
		13	OSGSSC3111T
	Regular	9	OSGSSC3210T
		13	OSGSSC3211T

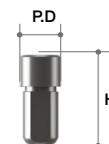


## ➔ RP Analog Option

### RP Analog

- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape
  - exocad

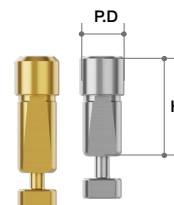
System	Profile Diameter	Height (mm)	System
ST	Mini	9	OSRA3709
	Regular		OSRA4309



### Analog

- Analog Screw(ALS18) included.
- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape
  - exocad
- 2 piece type

System	Profile Diameter	Height (mm)	System
ST	Mini	10.5	STIALM
	Regular	9	STIALR



# ➔ ZrGEN Abutment Option

## ZrGEN Abutment

- Abutment Screw included.
  - ✓ ST Mini (OSGSAS3110)
  - ✓ ST Regular (OSGSAS3210)
- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
  - MiNi ZrGEN has special abutment screw (Available only in ZrGEN Abutment)

- Supporting DentalCAD
  - 3 Shape
  - Exocad
  - Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 4.5mm → Groove : 2ea
  - Post Height : 5mm → Groove : 3ea
  - Post Height : 6mm → Groove : 4ea
  - Post Height : 8mm → Groove : 6ea
- Recommend torque
  - 30Ncm : ST (Regular)
  - 20Ncm : ST (Mini)

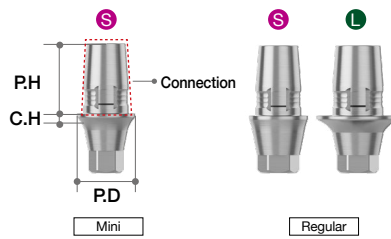
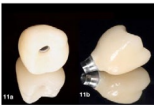


### Standard

System	Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
ST	Mini	Ø4.0	0.6	Hex	OSGSPA3111.MTN
					OSGSPA3112.MTN
			1.5		OSGSPA3121.MTN
					OSGSPA3122.MTN
			3.0		OSGSPA3131.MTN
					OSGSPA3132.MTN
	Regular	Ø4.0	0.6	Non-Hex	OSGSPA3111N.MTN
					OSGSPA3112N.MTN
			1.5		OSGSPA3121N.MTN
					OSGSPA3122N.MTN
			3.0		OSGSPA3131N.MTN
					OSGSPA3132N.MTN

System	Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
Regular	Ø4.0	0.6	Hex	OSGSPA3211.MTN	
				OSGSPA3212.MTN	
		1.5		OSGSPA4025.MTN	
				OSGSPA4026.MTN	
		3.0		OSGSPA4035.MTN	
				OSGSPA4036.MTN	
		Non-Hex	0.6	OSGSPA3211N.MTN	
				OSGSPA3212N.MTN	
			1.5	OSGSPA4025N.MTN	
				OSGSPA4026N.MTN	
			3.0	OSGSPA4035N.MTN	
				OSGSPA4036N.MTN	
	Ø4.5	1.5	4.5	Hex	OSGSPA3221.MTN
					OSGSPA4535.MTN
		3.0	4.5	Non-Hex	OSGSPA3221N.MTN
					OSGSPA4535N.MTN

- Abutment Screw included.
  - ✓ ST Mini (OSGSAS3110)
  - ✓ ST Regular (OSGSAS3210)
- Titanium base for CEREC users.
- In in Lab CAD Software, compatible with Xive Library.
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw.
- Recommend torque
  - 30Ncm : ST (Regular)
  - 20Ncm : ST (Mini)



### C-type

System	Profile Diameter	Cuff Height (mm)	Post Height	Connection	Ref.C		
ST	Mini	Ø3.9	0.5	S	STCSS3405.MTN		
			1		STCSS3410.MTN		
			2		STCSS3420.MTN		
		Ø4.3	0.5		STCSS3805.MTN		
			1		STCSS3810.MTN		
			2		STCSS3820.MTN		
	Regular	Ø3.9	0.5		S	STCSR3405.MTN	
			1			STCSR3410.MTN	
			2			STCSR3420.MTN	
			Ø4.3			0.5	STCSR3805.MTN
						1	STCSR3810.MTN
						2	STCSR3820.MTN
		Ø5.5	0.5	L		STCLR4505.MTN	
			1			STCLR4510.MTN	
			2			STCLR4520.MTN	

# 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.

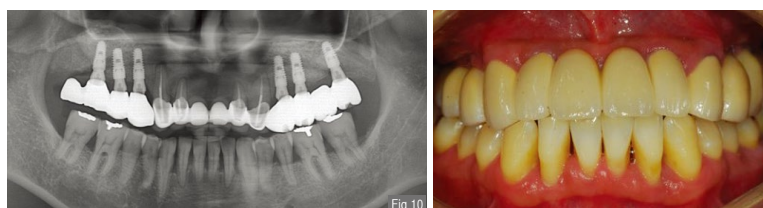
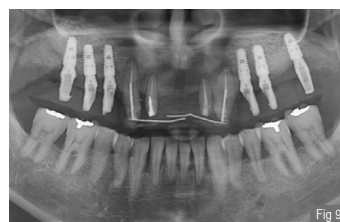
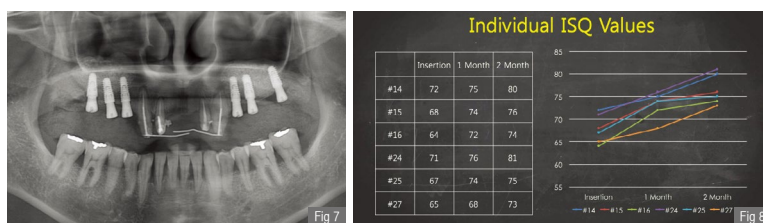
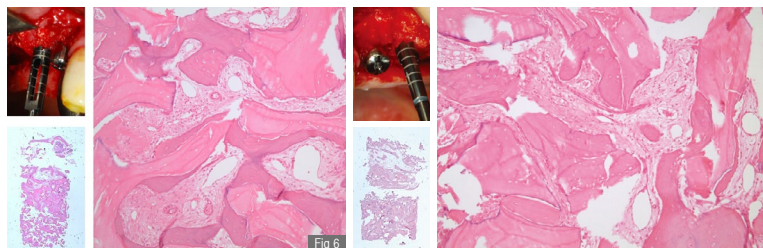
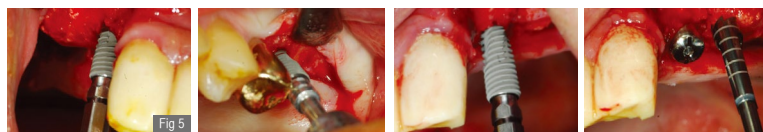
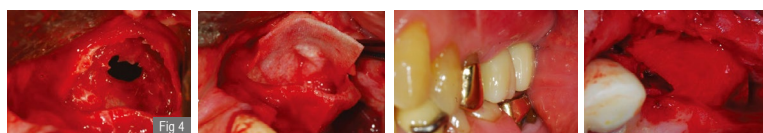
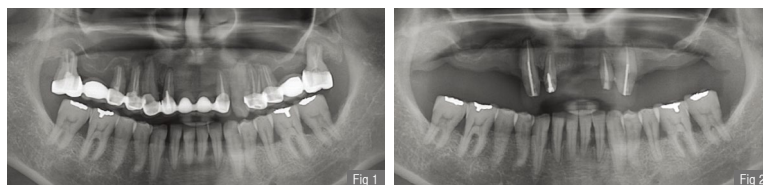
**Fig 6.** Vital bone formation area at 5 mm depth cut > 30%

**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

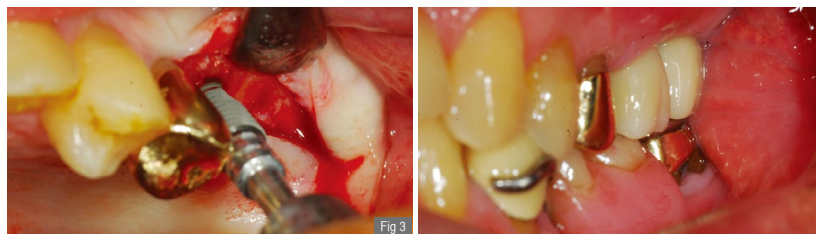
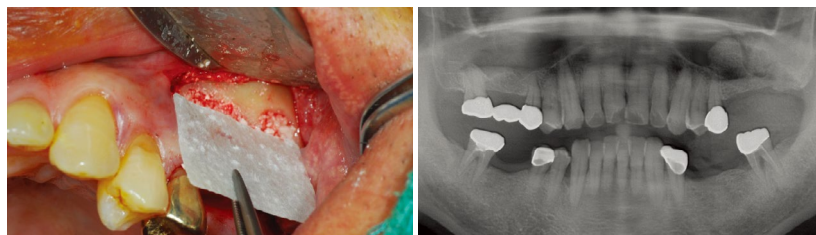
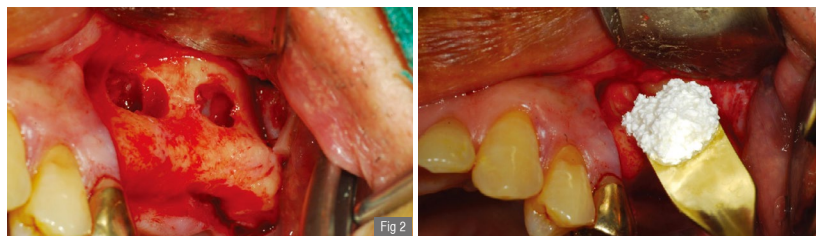
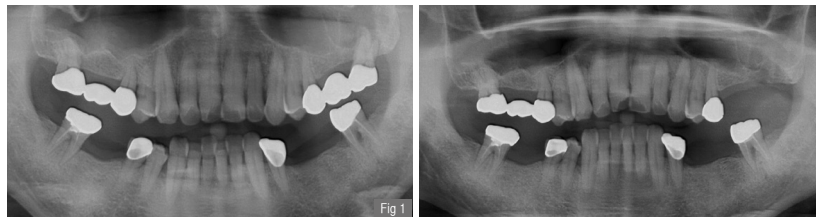
- Courtesy of Dr. Dae Hee Lee

**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.





**ST™**  
by MEGA'GEN



**MegaGen Iberia S.L.**

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