## Neobiotech SINUSLIFT/REPAIR/GBR

SinusAll Kit / SCA Kit / SLA Kit FR Kit / SR Kit / GBR Kit / EZ GBR Kit GBR Component Cti-mem / Ti-Mesh / ACM



# Sinus Lift Repair GBR Solution

inusAll Kit CA Kit · SLA Kit R Kit · SR Kit BBR Kit · EZ GBR Kit · GBR Component Sti-mem i-Mesh

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Sinus Lift Solution

**Repair Solution** 

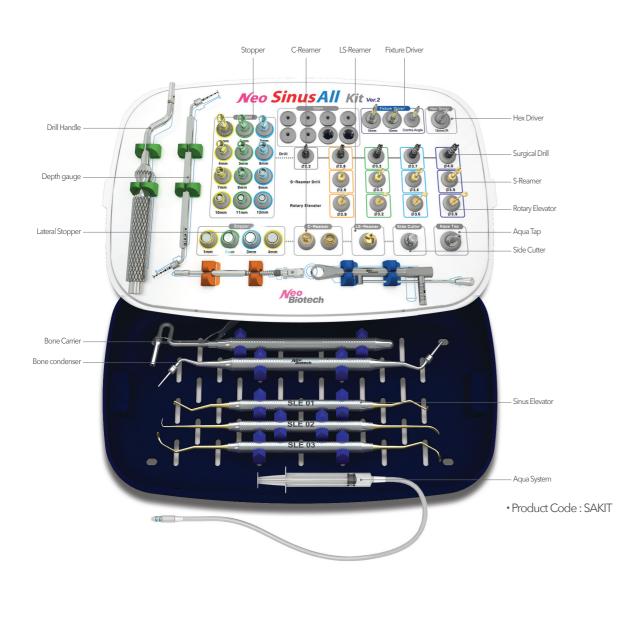
**GBR** Solution

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Surgical Drill

### SinusAll Kit

The SinusAll Kit combines NeoBiotech's SCA (Sinus Crestal Approach) Kit, SLA (Sinus Lateral Approach) Kit, and the Surgical Kit into a single kit. The product allows maxillary sinus implant procedures to take place using a single kit, rather than having to prepare a sinus kit and a surgical kit separately.





### SinusAll Kit (Crestal Approach Tool Components)



•S-Reamer

Diameter(Ø)	Product Name
Ø2.8	SASR28
Ø3.2	SASR32
Ø3.6	SASR36
Ø3.9	SASR39
	* 1,200rpm

Rotary elevator

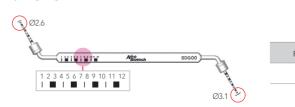


Diameter(Ø)	Pr
Ø2.8	
Ø3.2	
Ø3.6	
Ø3.9	

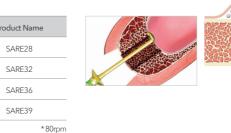
• Stopper



• Depth gauge







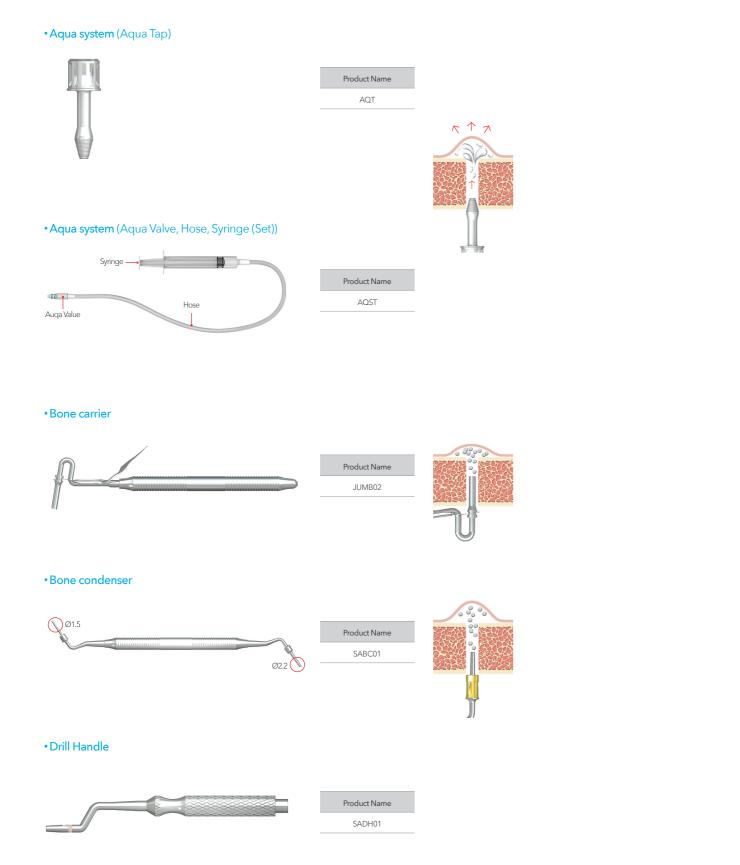
Product Name

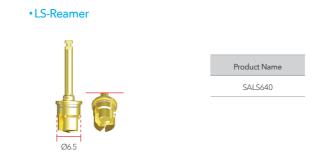
SADG01



### SinusAll Kit (Crestal Approach Tool Components)

### SinusAll Kit (Lateral Approach Tool Components)

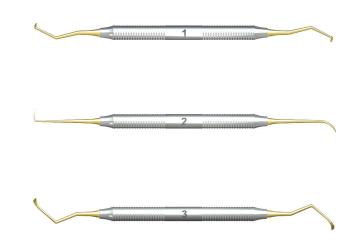




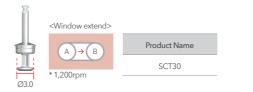




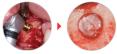
• Sinus Elevator



• Side cutter









Product Name	

SLE01

Product Name

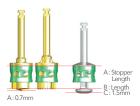
SLE02

Product Name

SLE03

#### • Lateral stopper

010		•==	
Length 1mm	2mm	3mm	4mm
Product Name LTS010	LTS020	LTS030	LTS040



### SinusAll Kit (Implant Placement Tool Components)

#### • Fixture driver (IS Type)



Length	Product Name
Ratchet (Short)	ISFD10R
Ratchet (Long)	ISFD15R
Contra Angle	ISFD05C
	Ratchet (Short) Ratchet (Long)

#### • Hex driver





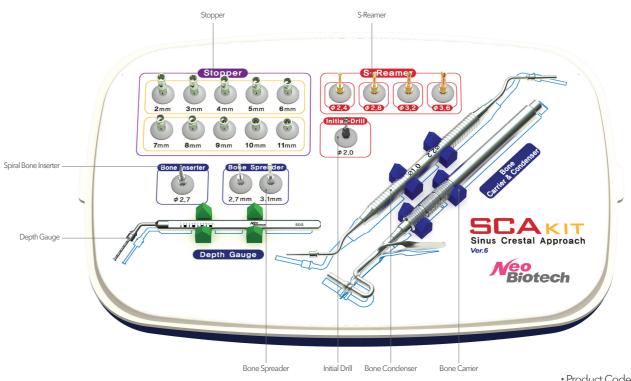
#### • Torque wrench



### Product Name TW60

SCA Kit (Sinus Crestal Approach Kit)

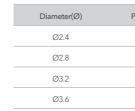
SCA Kit is a drilling tool on the inferior cortical bone without tearing of membrane and make a perforation on the inferior cortical bone without malleting osteotome technique Therefore User can get CMI Fixation. (Initial Fixation in Crest cortical bone, Middle cancellous bone and Inferior cortical bone)



#### Initial Drill

	Diameter(Ø)	Pro
SSD20	Ø2.0	

• S-Reamer



Ø2.4 Ø2.8 Ø3.2 Ø3.6

# Sinus Solution

Product Code : SCAKIT

roduct Name

SSD20

\* 1,200rpm

roduct Name			
ICR24			
ICR28			
ICR32			
ICR36			

\* 1,200rpm



Stopper



• Depth Gauge



Bone carrier



Bone Condenser



Bone Inserter



Product Name SBC01





	Diameter(Ø)	Product Name
CH)	Ø2.7	SBS20
E1	Ø3.1	SBS30
		* 80ron

\* 80rpm

### SCA Kit (Sinus Crestal Approach Kit)

#### Sinus Crestal Approach Kit Intended use





 $\cdot$  Make drills 1mm shorter than measured height of residual bone. Drill only 1mm more in each step by step using 1mm longer stopper before the final drilling.

stopper and drilling continuously.

5

Bone condenser

teotome site.



Bone carrier

· Carry the bone grafting materials into osteotome site.

· One time insertion capacity 0.05cc. · To make 1mm graft height, 0.1cc is needed.



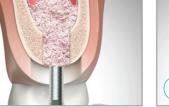
 $\cdot$  Spreading the bone and reduce pressure in sinus area. 80rpm speed.

 $\cdot$  Use bone spreader at least after inserting the bone more than 2 times.



· Do a Final Drilling

· After finishing a whole of drilling, do a implantation.

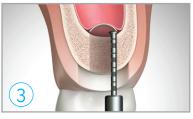




 $\cdot$  For safety, select a proper Sreamer in diameter and 1mm shorter than measured height of remained bone. And make drills.

If the sinus inferior cortical wall doesn't perforate until the stopper reaches to the crestal bone, change 1mm longer size

 $\cdot$  You can feel perforating in inferior cortical wall.



Check perforation

· Using Depth Gauge, check whether being perforated. Then, hang on the end of depth gauge in sinus wall inside. And check whether the tip side of gauge is hung on the interior wall.



 $\cdot$  Push and keep the graft materials in place on the floor of the sinus through the os-



Bone inserter

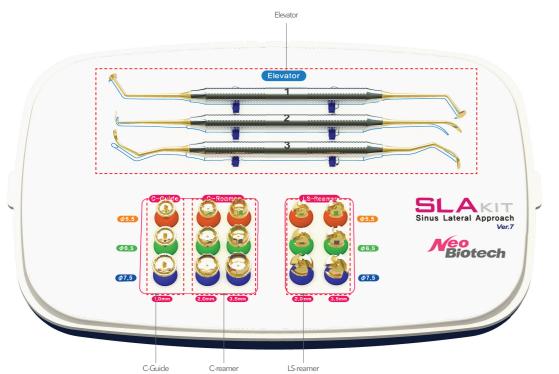
- · Push the bone into sinus after inserting the bone into a hole with bone carrier.
- · Can be safely used with 1mm long stopper. 80rpm speed.

Final Drilling & Implantation

· Based on the density of Crestal cortical bone, the Countersink should be done (Except IT Type of Fixture). Generally, it should be done for D1-D2 bone. But, in case of below of D3 bone, it is Okay to skip according to the decision of dentist.

### SLA Kit (Sinus Lateral Approach Kit)

Lateral window technique is the formation of the access to the maxillary sinus through its lateral wall. The process using this tool is simpler and much comfortable than any other techniques. Above all, this surgical kit provides ultimate solutions for the cases of only having with a thin residual bone height which is diffi cult to approach with a crestal technique, membrane rupture by a sinus crestal approach or placing a multiple implants. In addition, SLA reamers can be easily adapted for the case of formation of minimum fl ap size on the inferior wall.



Product Code : SLAKIT

### SLA Kit (Sinus Lateral Approach Kit)

#### • C-Reamer & C-Guide Reamer



Sinus Elevator





#### •LS-reamer



\* SPEED - 1:1 contra angle -5,000RPM / 1:20 contra angle-2,000RPM

	C-Reamer				
2.0mm	2.0mm	2.0mm	3.5mm	3.5mm	3.5mm
Ø5.5	Ø6.5	Ø7.5	Ø5.5	Ø6.5	Ø7.5
LC520	LC620	LC720	LC535	LC635	LC735

\* SPEED - 1:1 contra angle - 5,000RPM / 1:20 contra angle - 2,000RPM

Product Name SLE05

> Product Name SLE02

Product Name

SLE03

### SLA Kit (Sinus Lateral Approach Kit)

#### • Sinus Lateral Approach Kit Technique Guide



Flap • Open the soft tissue.



LS-Reamer · FMake a lateral hole with the LSreamer.

• Keep the drill upright and maintain a steady drilling motion; Both sides of the LS-reamer blade should be in contact with the bone while drilling.

 $\cdot$  Continue drilling.

· Speed : 2,000rpm

• NOTE : C-Reamer can be used instead of the LS-Reamer if you wish to save a circular bone core disk from the lateral wall.



Bone Disk • The LS reamer will leave a thin bone disk.



Detach sinus membrane • #1 elevator is used to initiate detachment of the membrane in the mesial-distal area.



Elevate sinus membrane • #2 elevator is used for detaching the membrane in the inferior area. • #3 elevator is used for the anterior and posterior areas.

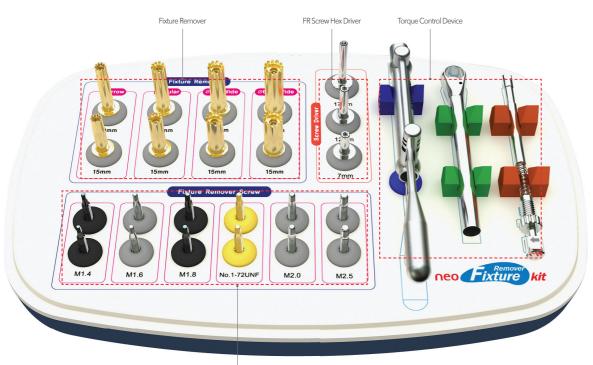


Bone graft
Place bone graft material.
Cover the lateral hole with a collagen membrane.
Suture the soft tissue.

### Sinus Lift Solution 15

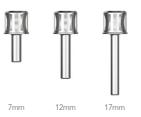
### FR Kit (Fixture Remover Kit)

This product is a surgical tool designed to remove implants that were stopped during the implantation due to excessive torque or implants whose surrounding bones have been damaged. After removing the implant, a new implant with the same diameter can be immediately implanted.



Fixture Remover Screw

• FR Screw Hex Driver



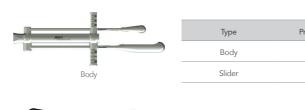
Length	
7mm	
12mm	
17mm	

Fixture Remover



Туре	Length
	15mm
Narrow	20mm
	15mm
Regular	20mm
	15mm
Wide (Ø5)	20mm
	15mm
Wide (Ø6~8)	20mm

#### Torque Control Device



ET.

Slider

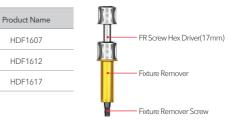
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• Fixture Remover Screw

Screw size	Product Name
M1.4	FRS14
M1.6	FRS16
M1.8	FRS18
1-72UNF	FRS172
M2.0	FRS20
M2.5	FRS25

\* "M" means a metric screw, and the number stands for the size of the external diameter of the screw Product Code : FRKIT





Product Name	
FR315	
FR320	
FR415	
FR420	
FR515	
FR520	
FR615	
FR620	



TW80400

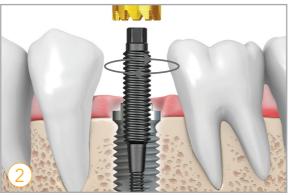
FRCHT

### FR Kit (Fixture Remover Kit)

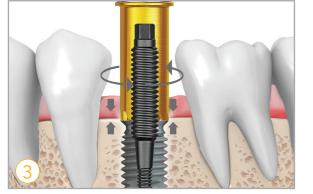
#### • Fixture Remover Kit Technique Guide



Failed implant  $\cdot$  Completely remove the prosthesis of the implant that needs to be removed.



Fixture Remover Screw · Select an appropriate size of Fixture Remover Screw · Connect the Fixture Remover Screw to the FR Screw Hex Driver and tighten it clockwise.

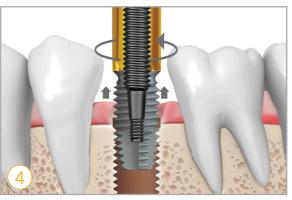


#### Fixture Remover

· Select an appropriate size of Fixture Remover

· Connect the selected Fixture Remover and tighten it counterclockwise until it is completely tightened to the Fixture Remover Screw that is fixed in the implant.

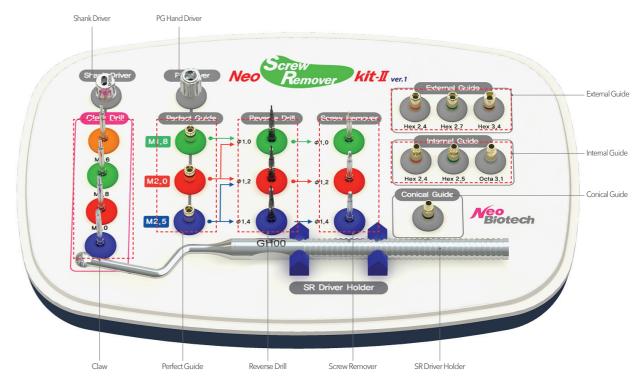
 $\cdot$  Using a Torque Wrench, further apply torque to the Fixture Remover (counterclockwise) until the implant is finally unscrewed from the site.



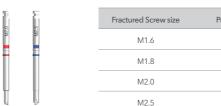
Clear

### SR Kit (Screw Remover Kit)

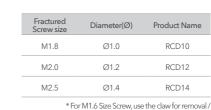
This product is a surgical tool developed in order safely and quickly to remove screws that have become fractured inside an implanted Fixture for various reasons. After removing the Screw, a new Abutment may be connected to the Fixture.



• Drill



Reverse Drill



• Product Code : SRKIT-II

roduct Name			
CD16			
CD18			
CD20			
CD25			
	* 80rpm		

		Reverse
J	>	
	Claw	

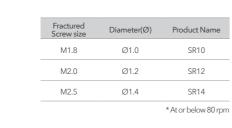
Product Name	
RCD10	
RCD12	
RCD14	

2,000 rpm

### SR Kit (Screw Remover Kit)

#### • Screw Remover







#### Shank Driver



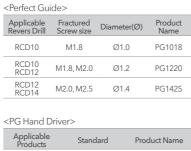




#### • Perfect Guide & PG Hand Driver



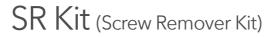






Screw Remover (PG1018, PG1220, PG1425) 2.5Hex PGHD25SS





#### • Conical, Internal, External Guide



<Conical Guide> Applicable Products Having 11° / 8° Internal Fixture

<Internal Guide> Applicable fixture Having 2.4Hex Internal Connection Fixture M2.0 Having 2.5Hex Interna Connection Fixture Having 3.1Octa Internal Connection Fixture

Applicable fixture

<External Guide>



GH00

Having 2.4Hex External Connection Fixture Having 2.7Hex External Connection Fixture Having 3.4Hex External Connection Fixture

•SR Driver Holder

### Applicable fixture Conical Guide : CG00 Internal Guide : IHG24, IHG25, IOG3

External Guide : EHG24, EHG27, EHG34

• Thread Former - This instrument aim to restore the thread inside of damaged fixture. - Not Included



Thread Spec.	
M1.6 * 0.35P	
M1.8 * 0.35P	
M2.0 * 0.4P	
M2.5 * 0.45P	

Standard	Product Name
11°/8°	CG00

Standard	Product Name
2.4Hex	IHG24
2.5Hex	IHG25
3.1Octa	IOG31

Standard	Product Name
2.4Hex	EHG24
2.7Hex	EHG27
3.4Hex	EHG34

	Standard	Product Name
31	2.4Hex	GH00



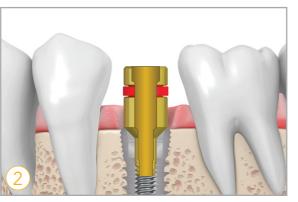
\_\_\_\_ SR Driver Holder (3.5Double Hex)

Product Name			
TF16			
TF18			
TF20			
TF25			

### SR Kit (Screw Remover Kit)

#### • Screw Remover Kit Technique Guide



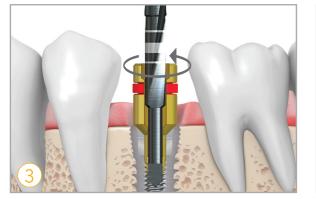


Fractured screw

Perfect Guide

 $\cdot$  Select an appropriate size of Perfect Guide

 $\cdot\,$  By using the PG Hand Driver, tighten the Perfect Guide to the Fixture in a clockwise direction until it touches the screw inside the fixture.

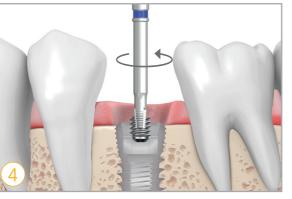


#### Reverse Drill

 $\cdot$  Select an appropriate size of Reverse Drill and connect it to the contra angle of the surgical engine.

 $\cdot$  Insert the Reverse Drill into the Perfect Guide attached on the fixture.

- By drilling counterclockwise at a speed of approximately 2000rpm, drill 1~2mm into the surface of the fractured screw.
- $\cdot$  Check the marking line (in 1mm intervals) of the Drill body while drilling with adequate irrigation.



#### Screw Remover

 $\cdot\, \mbox{Remove the Perfect guide connected to the Fixture}$ 

- $\cdot$  Select a Screw Remover that fits to the hole created by the Reverse Drill.
- Connect the Screw Remover to the contra angle of surgical engine and drill slowly (less than 80rpm) while pressing down with enough force to remove the fractured screw.

### **GBR** Kit

GBR Kit is a surgical tool used for oral bone grafting onto areas in which there are defects in autogenous bones. It consists of surgical tool components that can affix membranes.



• Philips Head Screw Driver



Length(L)	
5mm	
10mm	
20mm	

• Dual Hex Driver



Туре	Length(L)
Contra Angle	10mm
	20mm
Ratchet	15mm

• Driver Handle

#### Screw Fixation Drill



Diameter(Ø)	Product Name
Ø1.0	SFD10
Ø1.3	SFD13
Ø1.5	SFD15

#### • Screw Fixation Drill Stopper



Drilling Depth	Product Name
3mm	SFDS030
5mm	SFDS050
7mm	SFDS070





Product Name Length(L) 15mm GRC15

• Hex Hand Driver



Length(L)	Hex Size
15mm	Hex 1.2

# **GBR** Kit



roduct Name	
PHSD05	
PHSD10	
PHSD20	



- Fixing Screw





Tent CTi-Cover Screw Screw



Hex1.6 (Tent Screw, CTi-Spacer) Hex1.0 (CTi-Cover Screw)





Product Name

HDH1215S

### **GBR** Kit

#### • GBR KIT Technique Guide









· Drill at least 3mm deep depending on the bone density.



Tent Screw Insert Tent Screw while leaving space for augmentation.

· Insert at least 3mm deep or more and obtain 15~25Ncm initial stability. Tent Screw may be fractured when torque is over 30Ncm.



CTi-mem & Fixing Screw  $\cdot$  Place the Fixing Screws in the Fixing Holes (20~25Ncm)

 $\cdot$  Using a sharp instrument, create a hole on the CTi-mem where the Tent Screw is located to allow the Cover Screw to be connected afterwards.



EZ-GBR Kit



Bone Graft

 $\cdot \text{Before bone graft, connect the Cover Screw}$ onto the Tent Screw to prevent bone materials from entering inside.

· At this time, check if the location of the hole on the CTi-mem matches with the Cover Screw.



Cover Screw · Remove the cover screw.

Fixate CTi-mem to the Tent Screw by reconnecting the Cover Screw above the CTi-mem. (10~15Ncm)

· Fixate the remaining parts of the CTi-mem so that grafted bones can be stably fixed.

· Cover the CTi-mem with soft tissue





EZ-Screw Fixation Drill

Screw Fixation Drill Stopper



Length(L) 5mm

EZ-GBR Kit is a surgical tool used for oral bone grafting onto areas in which there are defects in autogenous bones. It consists of surgical tool components that can affix membranes.

EZ-Break Driver

EZ-Handle Connector

Driver Handle



Dual Hex Driver

Product Code : EZGBRKIT

Product Name

EZSFD17

Product Name

EZSFDS050



### EZ-GBR Kit

#### • EZ-Handle Connector





#### • GBR Ratchet Connector





#### • Driver Handle



Product Name DRH

#### • Philips Head Screw Driver



Length(L)	Product Name
5mm	PHSD05
10mm	PHSD10
20mm	PHSD20

#### • EZ-Break Driver







### EZ-GBR Kit





#### • EZ-Philips Head Driver



Length(L)	F
2mm	
12mm	
20mm	

#### • EZ-Ti-Mem Push Driver



\_\_\_\_\_

#### • EZ-Cover Cap Driver



roduct Name	
DHDC10	

DHDC20

Product Name EZPHD3502

EZPHD3512

EZPHD3520



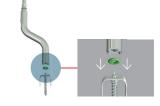
Product Name

EZPD68





EZCCD42



### EZ-GBR Kit

#### • EZ-GBR Kit Technique Guide

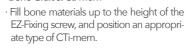


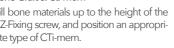






EZ-Fixing Screw  $\cdot$  To secure enough space for bone formation, place EZ-Fixing Screw on the bone defect area.







EZ-Cover Cap Driver · Additionally fixate membrane by placing the EZ-Cover Cap onto the EZ-Fixing Screw using the EZ-Cover Cap Driver.



EZ-Break Driver  $\cdot$  Use EZ-Break Driver to remove the conical part of the EZ-Fixing Screw by rotating it in a clockwise direction.



EZ-TI-Mem Push Driver

of the EZ-Fixing Screw.

• Fixate membrane by pressing down the EZ-Ti-Mem Push Driver to the conical part

Fixing Screw  $\cdot$  If necessary, make an additional fixation by using fixing screws.

· After adapting Cti-mem to surrounding part of tissue, cover the Cti-mem with soft tissue.

### GBR Components \*Optional

### • Fixing Screw



Length(L)	Product Name
3mm	MFS1603
5mm	MFS1605
7mm	MFS1607
Set / Consists of 4 each per Length, total 12EA	MFSSET01
	* Disposable

#### Tent Screw



Length(L)	Product Name
7mm	CTS2007
10mm	CTS2010
13mm	CTS2013
15mm	CTS2015
Set / Consists of 2 each per Length, total 8EA	CTSSET02
	* Disposable

#### • EZ-Fixing Screw

|--|--|

_	3mm	EZFS1703C
	5mm	EZFS1705C
_	7mm	EZFS1707C
	10mm	EZFS1710C
	13mm	EZFS1713C
	15mm	EZFS1715C
		* Disposable

Product Name

Length(L)

#### **EZ-Fixing Spacer**



Length(L)	Product Name
1.0mm	ISEZFS3410S
1.5mm	ISEZFS3415S
2.0mm	ISEZFS3420S
	* Disposable



### GBR Components \* Optional

• Universal Spacer - Dual Hex Driver (DHDC10 / DHDC20) is required to use Universal Spacer. - Cover Screw - 1.0 hex / Universal Spacer - 1.6 hex



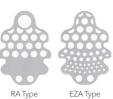
)5 - Neobiotech IS	
C .	
System 10 - OSSTEM TS	
- Megagen EZ Plus RP 15 - Warantec Oneplant	
- Astra Large 20 - Nobel Active RP	



### CTi-mem

New Concept of Titanium Membrane, Customized Ti Membrane





RB Type

EZB Type

One Wall Augmetation Bone defect in Buccal area



Three Wall Augmetation Bone defect in Buccal, Proximal, Lingual area

• Tent Screw Type

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Two Wall Augmetation Bone defect in Buccal, Proximal area



Non-fixed Submerged





EZC Type

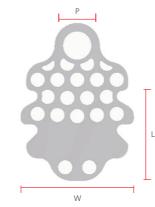
RT Type

RC Type

Bone defect in large area

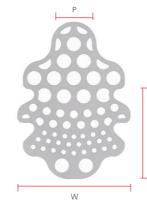


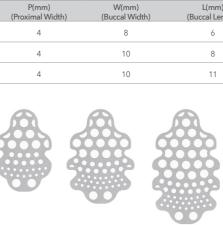
CTi-mem



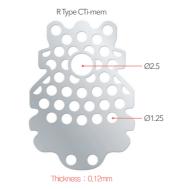


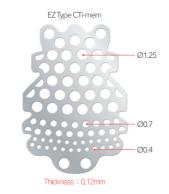
















W(mm) ccal Width)	L(mm) (Buccal Length)	TYPE	Product Name
8	6	RA1	RATMB0810F
10	8	RA2	RATMB0912F
10	11	RA3	RATMB0915F

\* Disposable / Thickness : 0.12mm

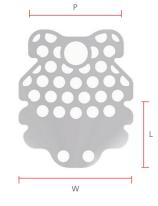


W(mm) ccal Width)	L(mm) (Buccal Length)	TYPE	Product Name
8	6	EZA1	EZTM0810A1
10	8	EZA2	EZTM0912A2
10	11	EZA3	EZTM0915A3

\* Disposable / Thickness : 0.12mm

### CTi-mem

#### • RB Type



P(mm) (Proximal Width)	W(mm) (Buccal Width)	L(mm) (Buccal Length)	TYPE	Product Name
		5	RB4	RPTMB1210SF
10	12	7	RB5	RPTMB1212SF
		10	RB6	RPTMB1215SF
			*D	isposable / Thickness : 0.12r

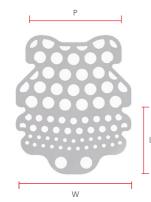
### CTi-mem

RC Type

### Ρ P(mm) (Proximal Width) 7 10 W 12



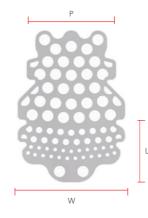
### • EZB Type



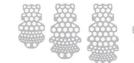
P(mm) (Proximal Width)	W(mm) (Buccal Width)	L(mm) (Buccal Length)	TYPE	Product Name
		5	EZB4	EZTM1210B4
10	12	7	EZB5	EZTM1212B5
		10	EZB6	EZTM1215B6
			*D	isposable / Thickness : 0.12m



#### • EZC Type







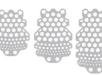
W(mm) (Buccal Width)	L(mm) (Buccal Length)	TYPE	Product Name
	6	RC1	RPTML0910F
9	8	RC2	RPTML0912F
	11	RC3	RPTML0915F
	5	RC4	RPTML1210SF
12	7	RC5	RPTML1212SF
	10	RC6	RPTML1215SF
	5	RC7	RPTML1210LF
12	7	RC8	RPTML1212LF
	10	RC9	RPTML1215LF
		*D	visposable / Thickness : 0.12mm

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\* Disposable / Thickness : 0.12mm









### CTi-mem

### • RE Type



P(mm) (Proximal Width)	L(mm) (Length )	TYPE	Product Name
12	15	RE1	RCTM1215
12	20	RE2	RCTM1220
15	25	RE3	RCTM1525
			* Disposable / Thickness : 0.12mi

# Ti-Mesh

•Type Of Ti-mesh

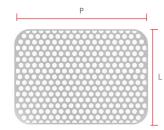


Size(mm)
20 x 12
25 x 20
35 x 25
50 x 35





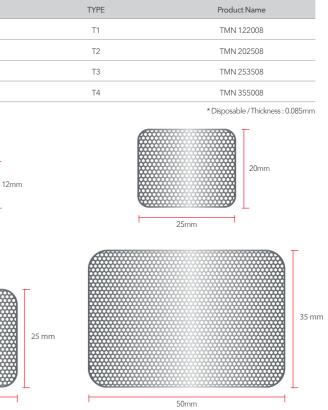
• RT Type



V(mm) (Vertical)	H(mm) (Horizontal)	TYPE	Product Name
12	20	RT1	RTMN1220125
20	25	RT2	RTMN2025125
25	35	RT3	RTMN2535125
35	50	RT4	RTMN3550125
			* Disposable / Thickness : 0.12mn



35mm



### ACM (Auto Chip Maker)

ACM is an instrument to collect autograft bone from mandibular molars or incisor for GBR in defected area.



#### • Auto Chip Maker Technique Guide





Stopper · Connect the stopper to the sterilized ACM drill.





#### Drilling

• To prevent slipping of the ACM drill, slightly tilt the drill left and right until the drill stably positions itself. (80rpm / Non-irrigation recommended)

• In order to collect high quality autograft bone, drill only 3~4mm deep from one site, and move on to a different site to continue drilling.



Locate the ACM
· Select the most suitable place to collect autograft bone.
· Position the ACM Drill where the autograft bone will be collected.



# Sinus Lift Repair GBR Solution

SinusAll Kit SCA Kit · SLA Kit FR Kit · SR Kit GBR Kit · EZ GBR Kit · GBR Component Cti-mem Ti-Mesh ACM

### **Neobiotech Sinuslift/Repair/GBR**

SinusAll Kit / SCA Kit / SLA Kit / FR Kit / SR Kit / GBR Kit / EZ GBR Kit / GBR Component / Cti-mem / Ti-Mesh / ACM

