

Augmentation

I. i-Gen



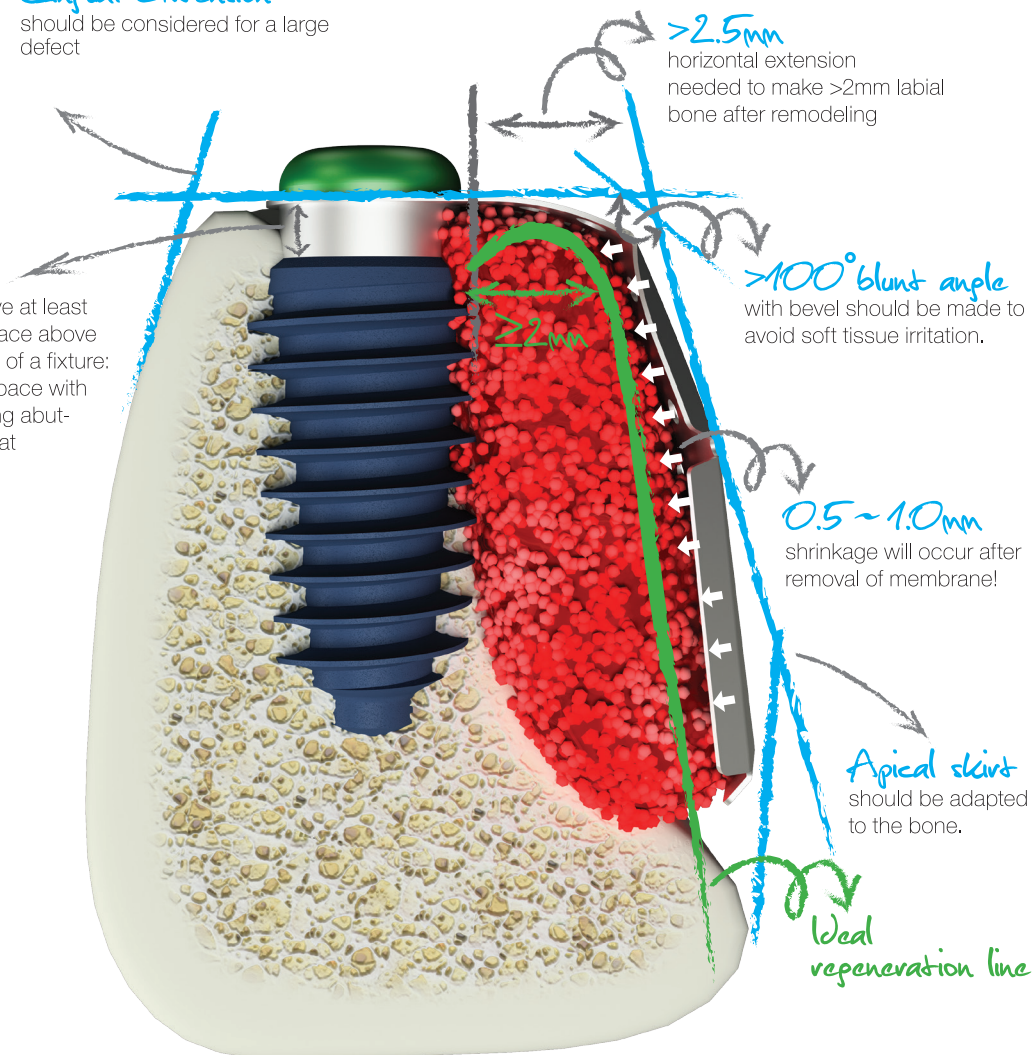
Various height of healing abutment and Cover screw

should be prepared to allow a one or two phase surgical approach according to the situation.

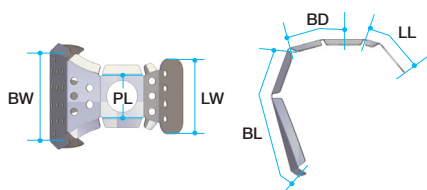
Lingual Extension

should be considered for a large defect

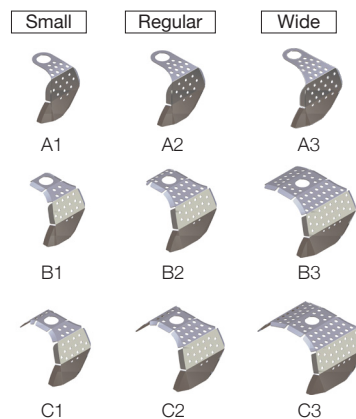
Need to have at least **1mm** of space above the platform of a fixture: Make this space with a pre-existing abutment, eg, Flat abutment...



i-Gen Membrane



PL (Proximal Length)	BW (Buccal width)	Dimension				LW (Lingual width)	LL (Lingual Length)	Type	Ref.C
		BL (Buccal Length)	BD (Buccal Distance)						
4	9	11	4.5	-	-	-	-	A1	IG1W4509
4	10	11	5.5	-	-	-	-	A2	IG1W5510
4	11	11	6.5	-	-	-	-	A3	IG1W6511
5	9	11	4.5	-	-	-	-	B1	IG2W0918
6.5	11	11	5.5	-	-	-	-	B2	IG2W1120
9	13	11	6.5	-	-	-	-	B3	IG2W1323
5	9	11	4.5	6	4.25	-	-	C1	IG3W0921
6.5	11	11	5.5	8	4.25	-	-	C2	IG3W1125
9	13	11	6.5	10	9	-	-	C3	IG3W1328
8	11	11	5.5	9.6	9.25	-	-	D1	IG4W1128



➔ i-Gen Components

i-Gen Screw

* We recommend that you verify the size of the abutment screws before use, it should be noted that it may not be fully compatible depending on the tolerance of each manufacturer.

M 2.0

- MegaGen (AnyOne, EZ Plus(R&W) & MegaFix)
- Straumann (Standard & Standard Plus)
- Nobel Biocare (Nobel Replace Tapered Groovy)
- Dentium (Superline)
- Dio (Steady, SM, IFI)
- Neobiotech (IS)
- Osstem (TS IV)

M 1.8

- MegaGen (AnyRidge)
- Dentsply-Frident (Ankylos C/X Implant)
- Zimmer (TSV)

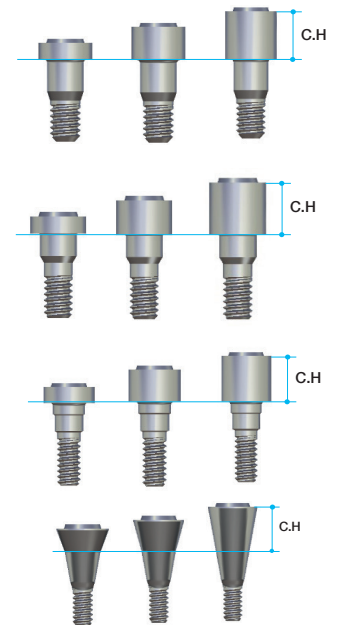
M 1.6

- MegaGen (EZ Plus Internal _Small)
- Straumann (Bone Level)
- 3i (Osseotite certain & Full Osseotite NT Certain)

M 1.4

- MegaGen (MiNi)

Type	Cuff Height (mm)	Ref.C
M2.0	1.0	IA2010
	2.0	IA2020
	3.0	IA2030
	4.0	IA2040
	5.0	IA2050
M1.8	1.0	IA1810
	2.0	IA1820
	3.0	IA1830
	4.0	IA1840
	5.0	IA1850
M1.6	1.0	IA1610
	2.0	IA1620
	3.0	IA1630
	4.0	IA1640
	5.0	IA1650
M1.4	1.5	IA1415
	2.0	IA1420
	3.0	IA1430
	4.0	IA1440
	5.0	IA1450

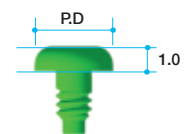


i-Gen Cover Screw

- Use Hand Driver(1.2 Hex)

- Used for primary closure after i-Gen(on top of i-Gen screw).

Profile Diameter	Height (mm)	Ref.C
Ø3.5	1.0	ICS3510



Flat Healing Abutment

- Used for one stage approach after i-Gen (on top of i-Gen screw).

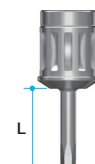
Profile Diameter	Height (mm)	Ref.C
Ø4.0	1.5	FHA402
	2.5	FHA403
	3.5	FHA404



Hand Driver (1.6 Hex)

- This driver is designed to deliver i-Gen screw into a fixture. Just finger force is enough to tighten the i-Gen screw.

Length(mm)	Type	Ref.C
10	Short	TCMHDS1600

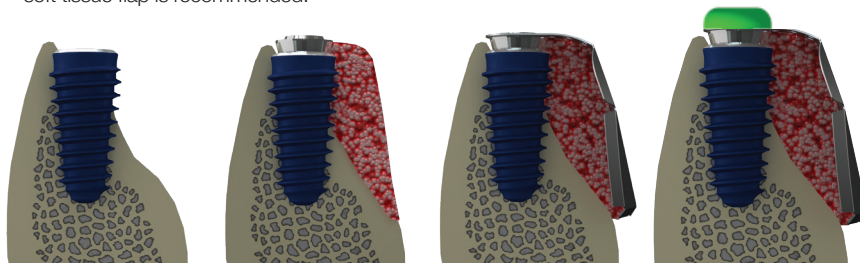


►► i-Gen Membrane

1. How to use

Ideal + Regeneration membrane ⇒ i-Gen membrane

1. Place an implant into the recipient site.
2. Connect a i-Gen screws to the implant and bone grafting. Usually 1 mm cuff height is good enough for vertical space, but 2 or 3 mm cuff height of i-Gen Screw can be chosen according to situation. The amount of graft material should be enough to fill the space between i-Gen membrane and the fixture.
3. Selection of i-Gen membrane and placement. According to the size and shape of bone defect, an i-Gen membrane can be chosen from 9 different shapes. Match the hole of i-Gen membrane with the screw hole of i-Gen screws.
4. Fixate i-Gen membrane with a i-Gen Screw. Choose a i-Gen Cover Screw or Flat Healing Abutment to fix i-Gen membrane depending on the need of one or two stage surgery. Tight adaptation of soft tissue flap is recommended.



(Proper soft tissue management is the key to successful regeneration! If the i-Gen membrane is denuded following wound dehiscence, it is advisable to remove it immediately)

2. Which i-Gen?

i-Gen membrane has 9 different sizes and shapes.

As seen on the figure left, alveolar bone has different widths according to locations. It can be divided into three categories; Anterior (Sky blue dots), Premolar (Blue dots) and Molar (Dark blue dots). For Anteriors, 'narrow' membranes can be used, which has 4.5mm buccal horizontal extension from the center of fixture. For Premolars, 'Regular' membranes which has 5.5mm buccal extension, can be selected. The molar area usually needs wide membrane (6.5mm from fixture center), especially at the immediate placement case with wall defects. Type A and B membranes are only to cover single wall defects. Type C has a lingual extension to cover lingual wall defect.

