

MAGICORE[®] System

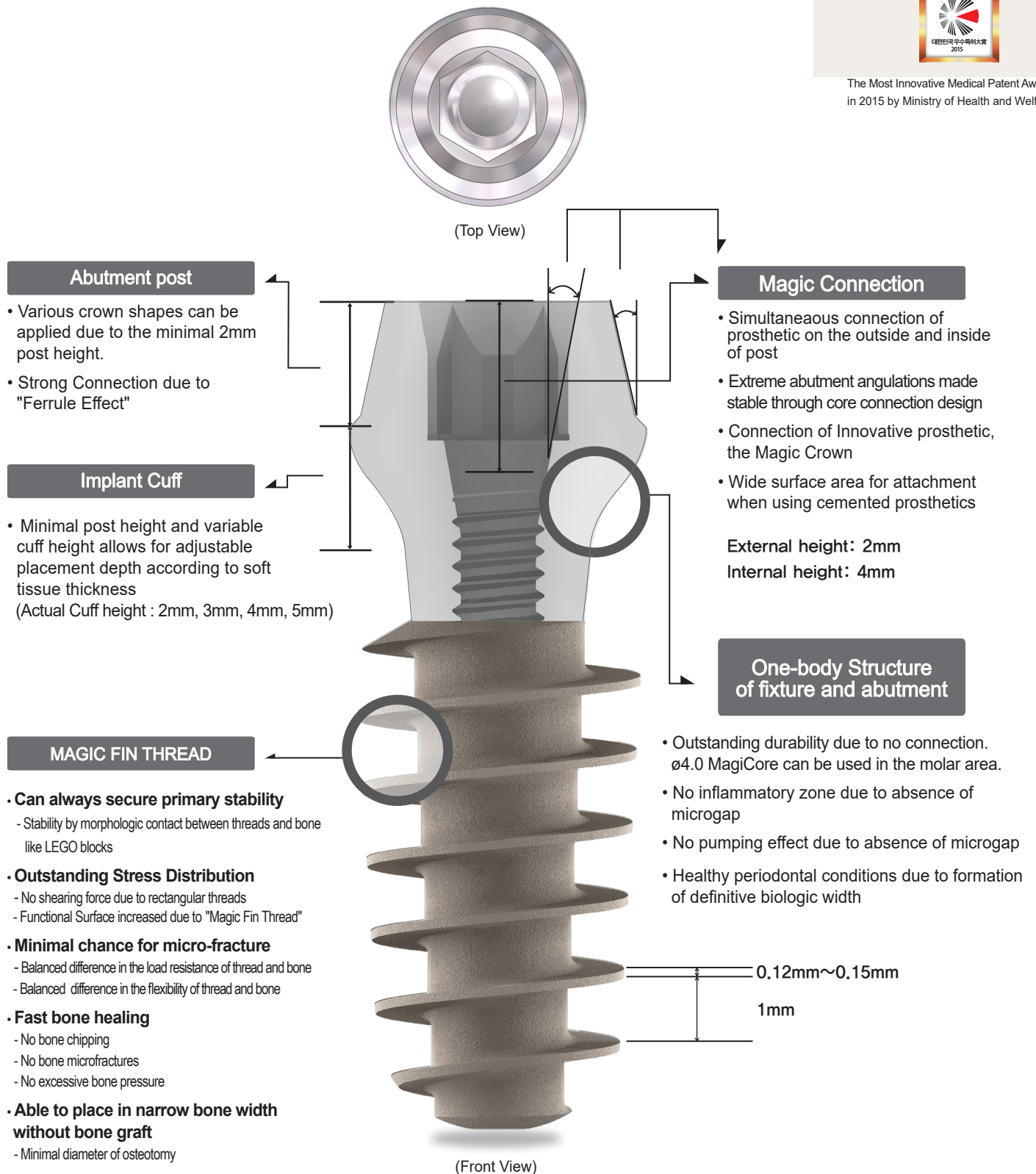
for minimally invasive implant surgery



What is the MAGICORE® System?



The Most Innovative Medical Patent Award
in 2015 by Ministry of Health and Welfare



MAGICORE®

for Minimally Invasive Implant Treatment

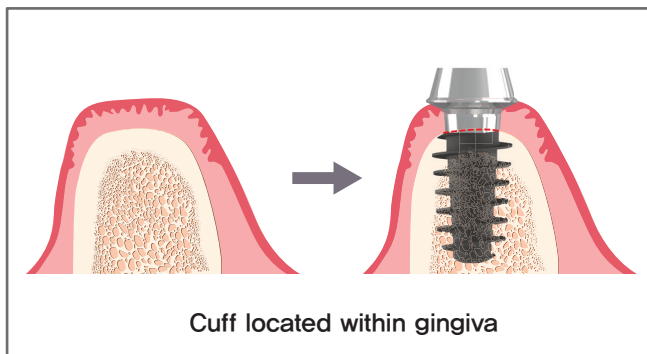
What is the **MAGICORE[®]** System?

1. MagiCore System with no need for grafting

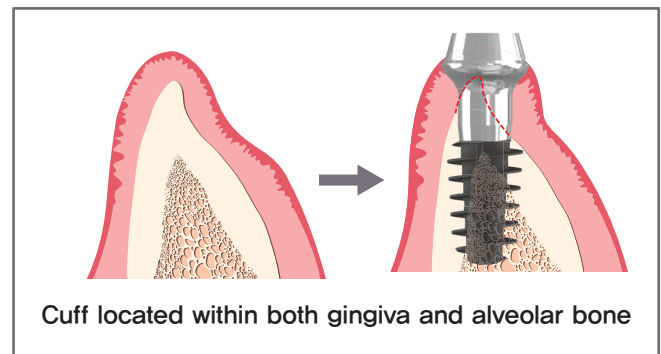
: Fixture can be selected to match the size and shape of the patient's alveolar bone.

1) Use of MagiCore according to various ridge shapes

When the alveolar crest is flat



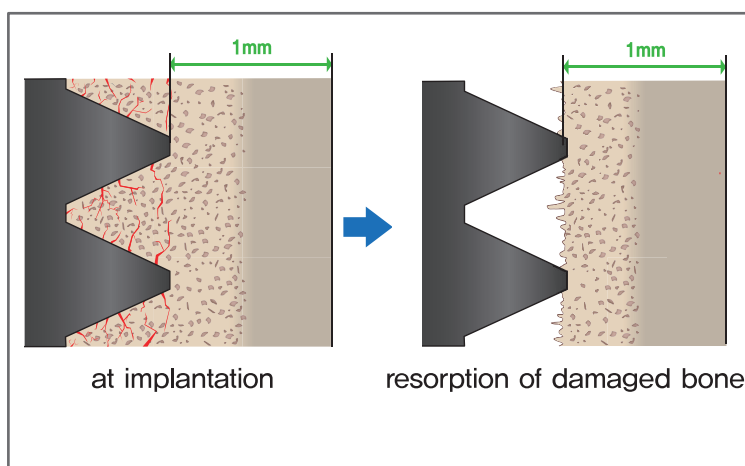
When the alveolar crest is inclined



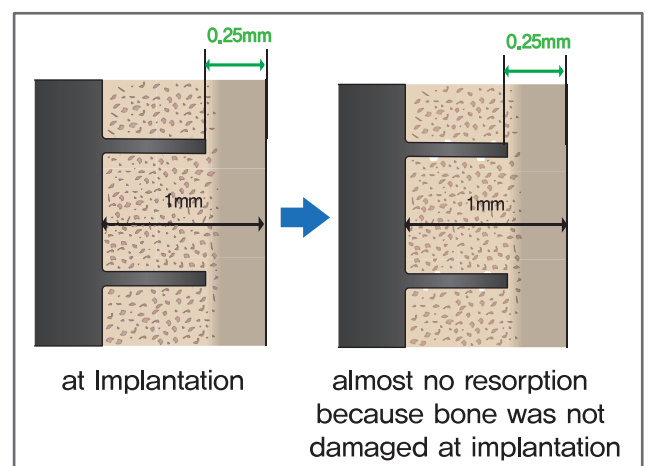
∴ Cuff is selected and fixture is placed according to the height of the area of the angulated ridge, thus grafting is not needed.

2) Magic Fin Thread that can be applied to narrow bone width

→ Because the inter-thread bone is not damaged, only 1mm of bone is needed between the body of the implant and the outer edge of bone (buccal and lingual).



Conventional Triangular Threads



Magic fin Thread

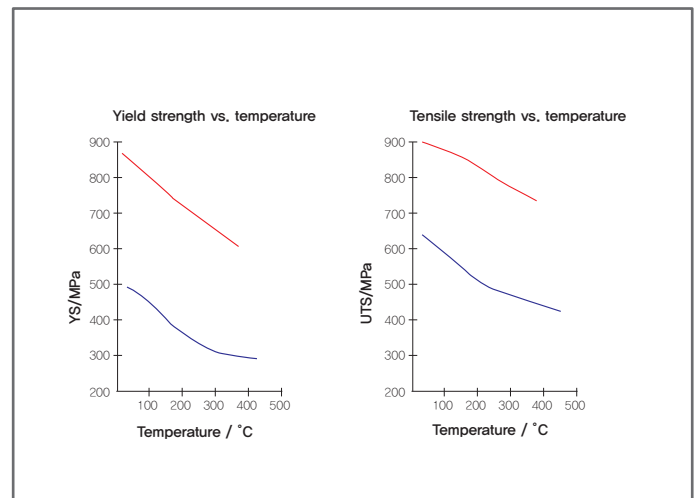
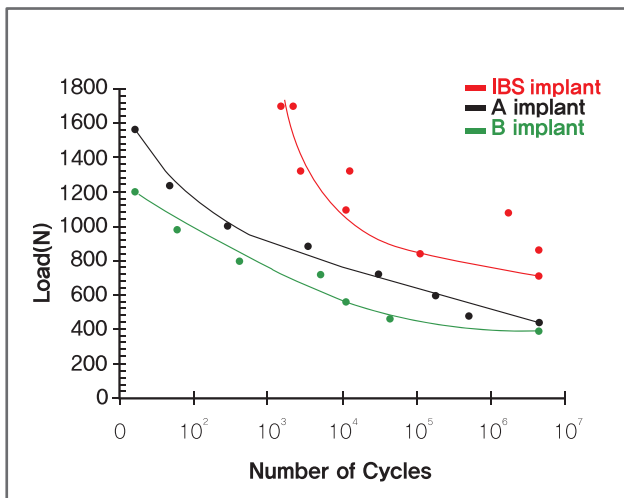
∴ Thus, buccolingual bone width only needs to be 0,5mm greater than MagiCore Ø (Flapless Surgery)

What is the **MAGICORE[®]** System?

3) $\varnothing 4.0$ fixture can be used in the molar area

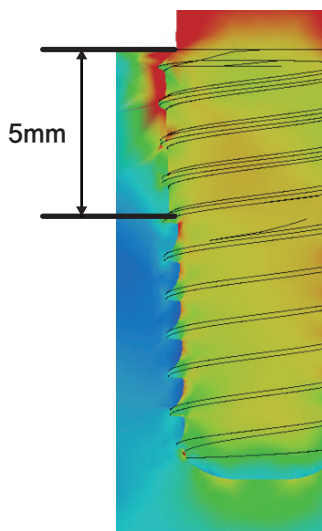
- a) Use of high durability material (TiAl6v4)
- 70% more strength compared with Ti Gr4.

Fatigue test result



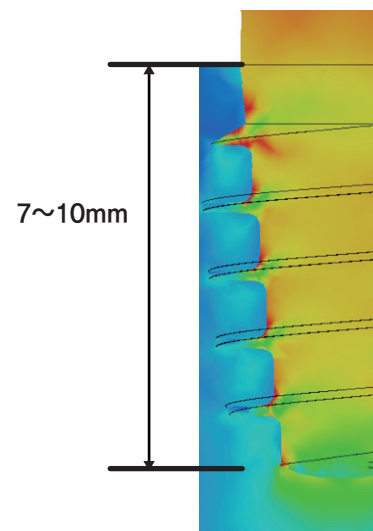
- b) One-body structure with superior durability
- c) Outstanding Stress-Distribution

Conventional Macro-Design



if fixture \varnothing is decreased,
the functional surface area is decreased,
resulting in excessive load to the crestal bone
→ bone resorption

MagiCore Macro-Design

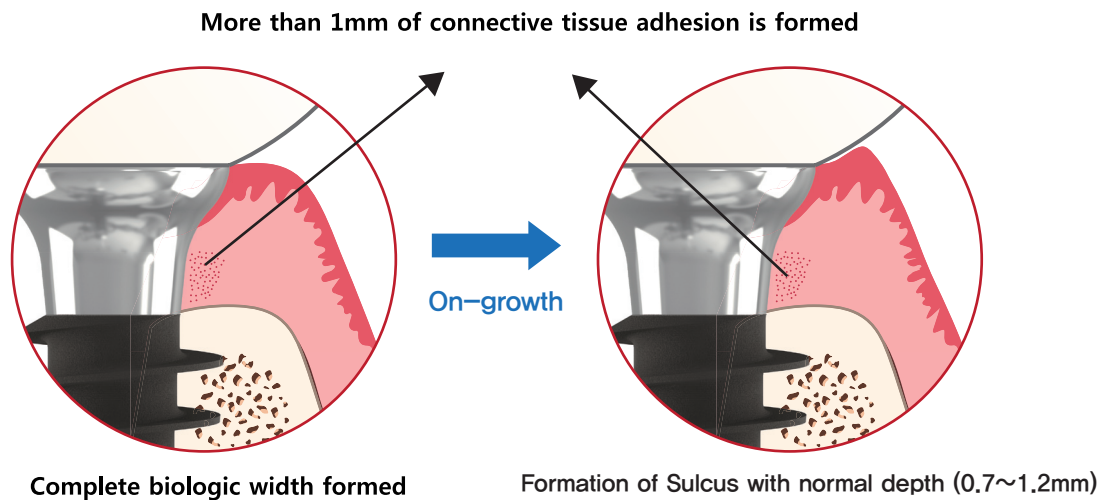


if fixture \varnothing is decreased and the length increased,
plenty functional surface area is secured,
resulting in low load to the crestal bone
→ no bone resorption

What is the **MAGICORE[®]** System?

2. MagiCore System which creates healthy periodontal conditions

1) Formation of healthy periodontal tissues with perfect biologic width



At crown setting

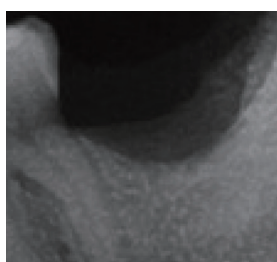


2 months after crown setting

2) No inflammatory zone

3) Because the abutment part does not move, normal sulcus depth is maintained.

4) In immediate placement after extraction cases, bone formation occurs all the way up to the location of connective tissue adhesion.



After extraction



at placement



at setting

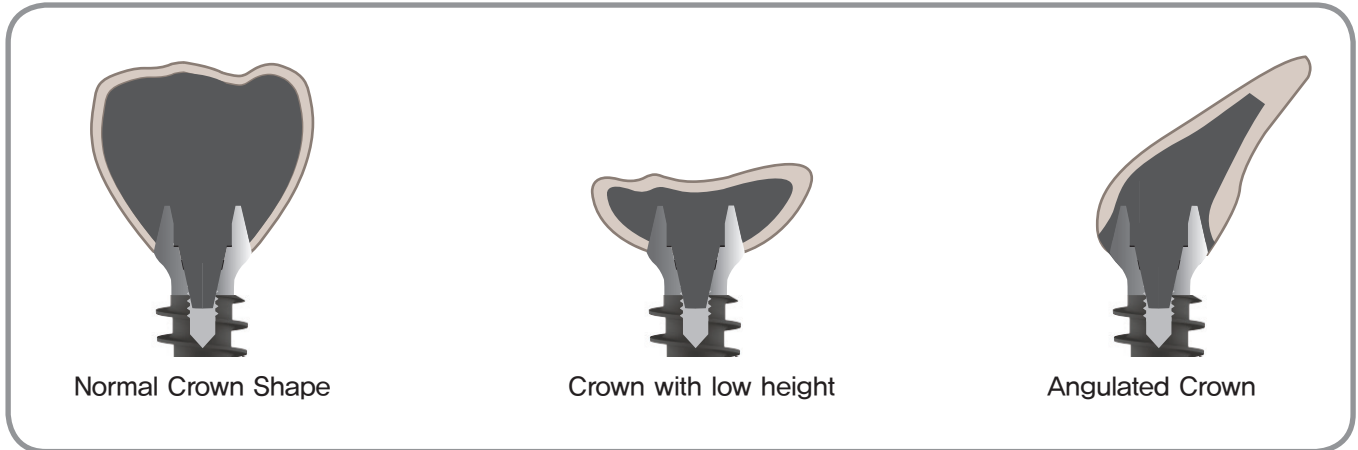


6 months after setting

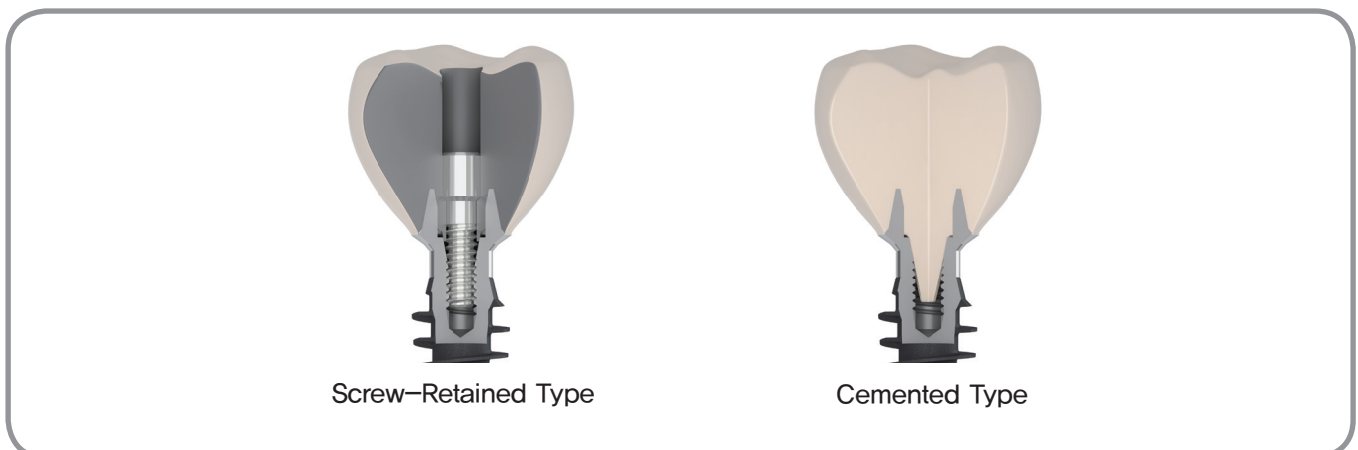
What is the MAGICORE[®] System?

3. MagiCore System which enables prosthetic restoration in all situations

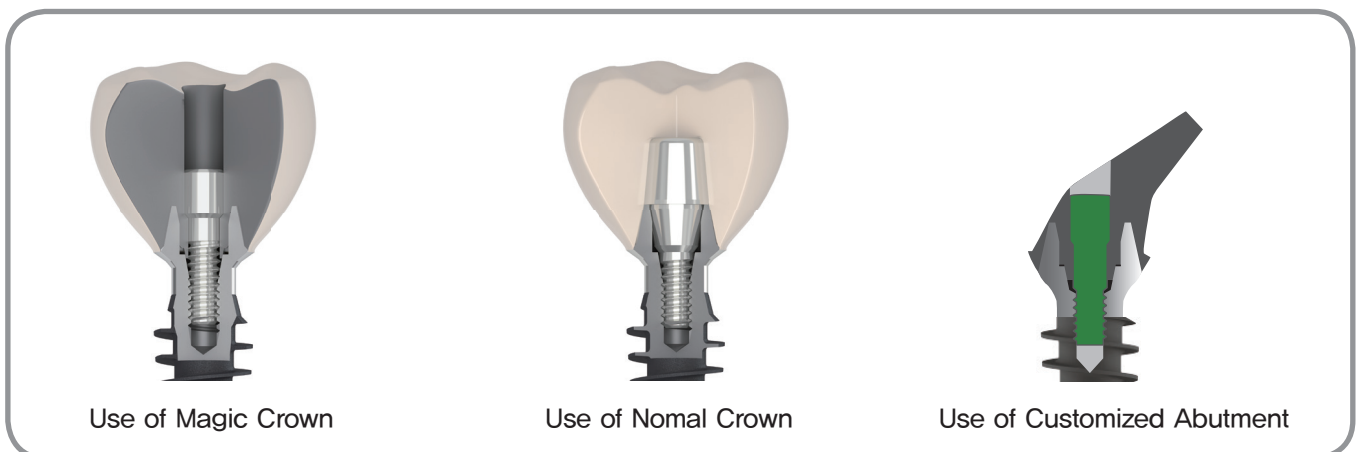
1) Prosthetic treatment possible regardless of the shape of crown



2) Various Method of Prosthetic Retention



3) Use of various types of prosthetics

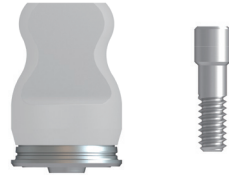


What is the MAGICORE[®] System?

4. Directions for use of the Burn-Out Core Cap/Cylinder

When fabricating crowns by casting method, Burn-Out Core Cap/Cylinder is used. The Burn-Out Core Cap/Cylinder components have hex or non-hex connections.

1) Variations



Burn-out Core Cylinder
(Screw-Type)
Hex/Non-Hex

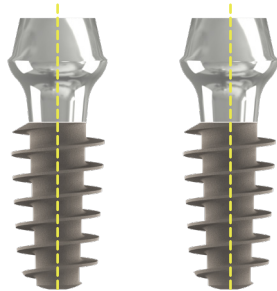


Burn-out Core Cap
(Cemented Type)
Hex/Non-Hex

2) Method of Selection for Hex or Non-Hex

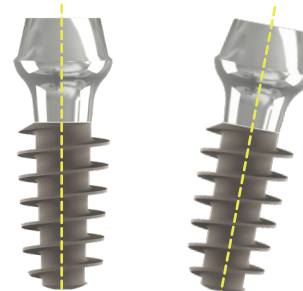
After placement of two MagiCore fixtures and fabricating a crown & bridge or splinting, the use of hex or non-hex is determined by the angulation between the two fixtures.

When the angulation is 0°



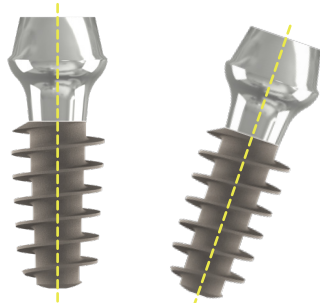
Use 2 Hex type

When the angulation is 1° ~12°



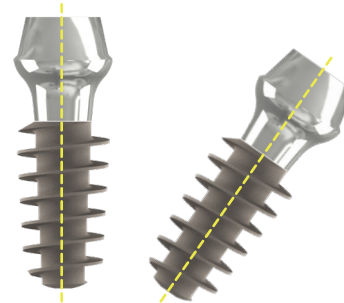
Use 1 Hex type,
1 non-hex type

When the angulation is 13° ~25°



Use 2 non-hex type

When the angulation is 26° or more

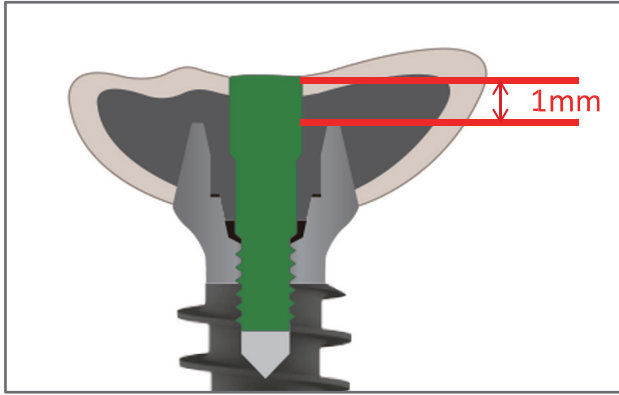


Use 2 Hex type,
Fabricate custom abutment

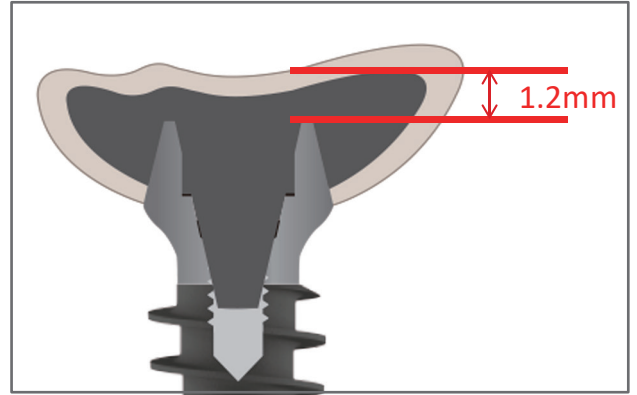
What is the **MAGICORE[®]** System?

5. Minimal Occlusal Clearance for Prosthetic Treatment

In conventional systems, low occlusal clearance makes restoration impossible. With MagiCore, prosthetic restoration is possible even with very little room.



Minimal Occlusal Clearance for Screw-Retained Prosthetic

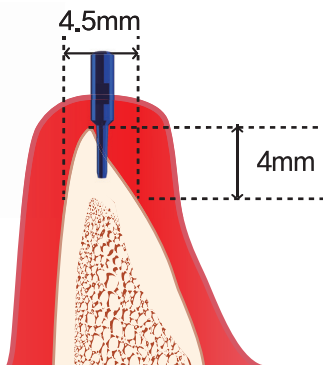


Minimal Occlusal Clearance for Cemented Type Prosthetic

∴ Place fixture at location where the distance between the gingival and the occlusal surface of the opposing tooth is more than 1.5mm.

6. Directions for MagiCore Placement

1) Measurement of Bone Width



In conventional implant treatments, the buccolingual bone width measurement at the crest is the standard for the selection of the fixture diameter. However, with MagiCore, the bone width measurement of the area below the crest can be the standard.

For example, even if the bone width at the crest is 3mm, if the bone width at the area below the crest (up to 4mm) is 4.5mm, it becomes possible to place MagiCore without bone graft.

If the crestal bone width is less than 4.5mm, measure the bone width marginally by 1mm downward from the crest down to 4mm. If the bone width is less than 4.5mm at 4mm below the crest, bone expansion or GBR is required.

2) Selection of Fixture Diameter

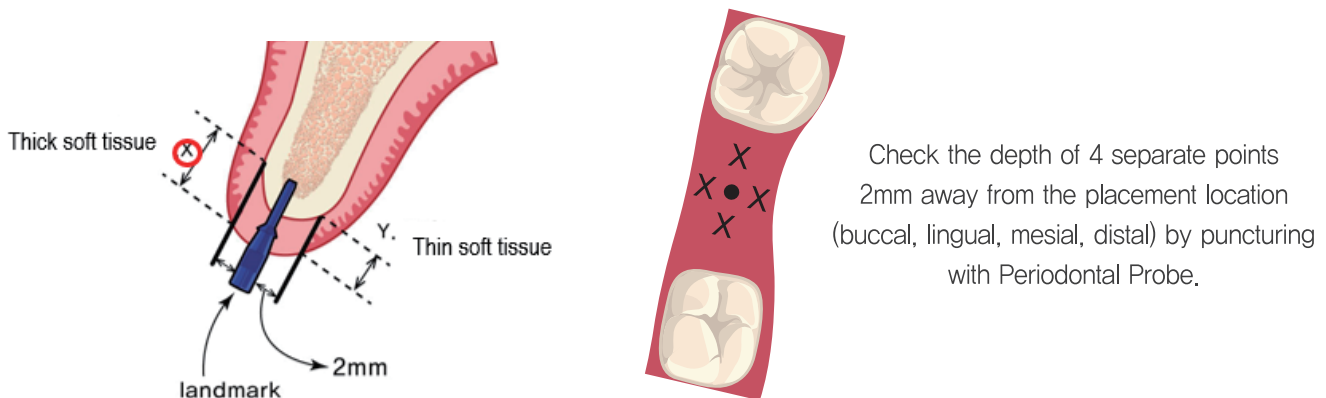
MagiCore's outstanding durability along with its widened range of functional surface makes it safe and easy to place a 4.0 diameter fixture in the molar area.

- Width > 4.5 : Use MagiCore diameter 4.0 or more
- Width > 5.0 : Use MagiCore diameter 4.5 or more
- Width > 5.5 : Use MagiCore diameter 5.0 or more
- Width > 6.0 : Use MagiCore diameter 5.5 or more
- Width > 6.5 : Use MagiCore diameter 6.0 or more
- Width > 7.0 : Use MagiCore diameter 6.5 or more

What is the MAGICORE® System?

3) Measurement of Soft Tissue Thickness

In order to determine the Soft Tissue Thickness, a periodontal probe is used. After installation of the landmark at the intended placement site, use the periodontal probe to puncture the gingiva until the probe makes contact with the alveolar bone and measure the depth. Perform this probing and measuring at 4 points (buccal, lingual, mesial, and distal) each 2mm away from the landmark. The biggest measurement of depth with the probe is determined as the Soft Tissue Thickness.



4) Selection of Cuff Height According to Determined Placement Depth

The machined surface area below the abutment post is the cuff. The machined surface extends 1mm below the actual cuff. In other words, the Actual Cuff is 1mm more than the cuff height labeled on the product labeling.

$$\therefore \text{Labeled Cuff} = \text{Actual Cuff} - 1\text{mm}$$

a) aesthetic zone

→ put the crown margin 1mm below the gingival surface.

$$\therefore \text{Actual cuff} = \text{soft tissue thickness} - 1\text{mm}$$

b) non-aesthetic zone

→ match the crown margin with the gingival surface.

$$\therefore \text{Actual cuff} = \text{soft tissue thickness}$$

What is the **MAGICORE[®]** System?

3) Selection of Magic Drill According to Fixture Diameter

Use table below for drill selection:

Diameter of intended Magicore Implantation	Magic Drill Type	Magic Depth Drill
4.0 mm, 4.5 mm	MDS	MDD(M)
5.0 mm, 5.5 mm	MDM	MDD(M)
6.0 mm, 6.5 mm	MDL	MDD(L)

Drill speed must be between **1500~2000 rpm**.

When Drilling, **do not do Up&Down**.

Perform “bone-dancing” and advance into bone in one stroke

Do not use strong vertical pressure, as Magic Drill has the ability to slice the bone

4) Use of Magic Tap Drill

Do not use Magic Pin in cases involving bone marrow or sinus augmentation.

Diameter of intended Magicore Implantation	Magic pin	Magic Tap Drill
4.0mm	MP(S)	40Tap Drill
4.5mm	MP(S)	45Tap Drill
5.0mm	MP(M)	50Tap Drill
5.5mm	MP(M)	55Tap Drill
6.0mm	MP(L)	60Tap Drill
6.5mm	MP(L)	65Tap Drill

Drill speed must be **20 rpm or less** and Drill torque must be **40N/cm**

5) 2 Protocols According to Bone Density

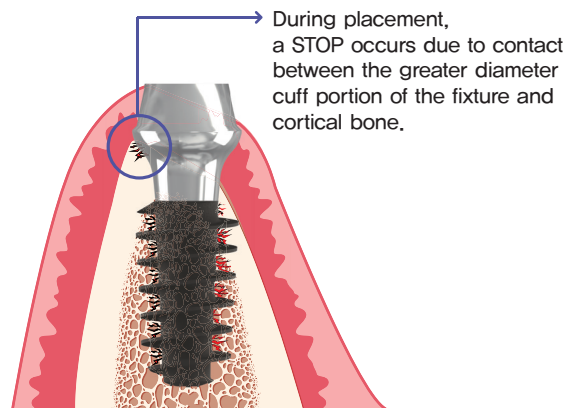
Initial Tap Drill Status	Bone Density	Protocol According to Bone Density	MagiCore Placement Fixture Size
When the tap drill advances smoothly to 5mm depth within bone	Soft Bone	Do not advance further. Reverse and remove Tap Drill.	Matches the size of the Tap Drill (or with diameter 0.5mm bigger than Tap Drill)
When the tap drill stops before reaching 5mm depth within bone	Hard Bone	Connect with Hand-Driver, and use the Hand-Ratchet to Hand-Tap down to 2mm less than the length of the fixture to be placed.	Matches the size of the Tap Drill (or with diameter 0.5mm Smaller than Tap Drill)

What is the MAGICORE[®] System?

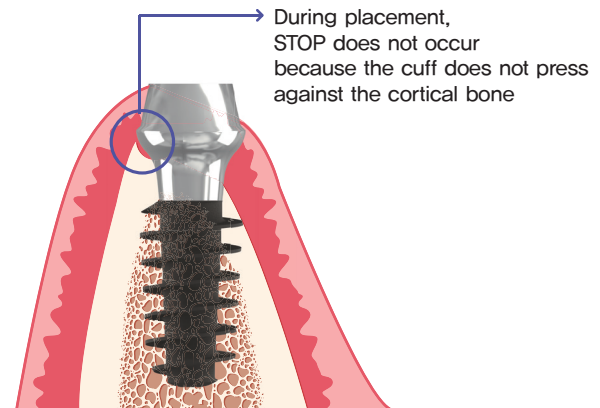
6) Place the fixture carefully by hand in the path that matches the path of the osteotomy.

※ Perform placement using hand-piece in cases when the tap drill was not used
(Sinus or bone marrow involving cases, and/or in cases of very soft, D4 bone.)

7) Perform Placement such that "stops" do not occur.

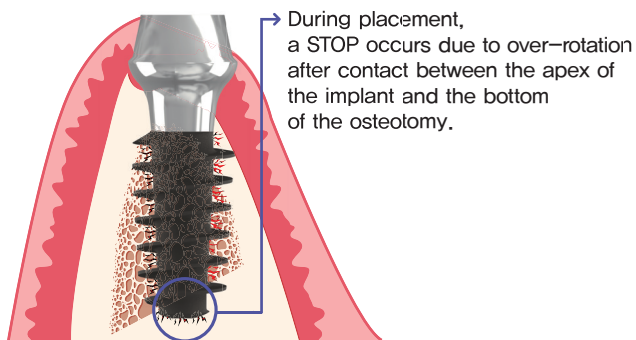


Microfractures Occur (X)

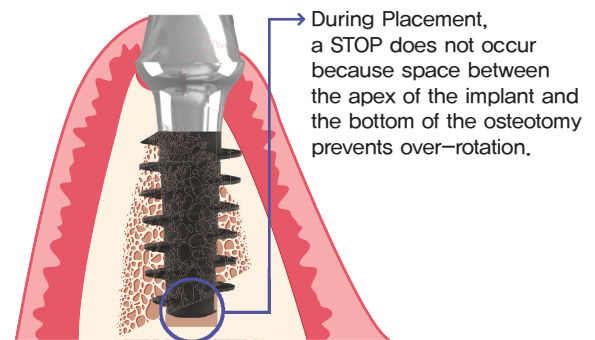


Microfractures do not Occur (O)

∴ If the area 1,5mm below the crown margin is expected to press against cortical bone, then remove a small portion of bone with round burr.



Microfractures Occur (X)



Microfractures do not Occur (O)

∴ In order to place fixture 1mm less than the depth of the osteotomy, use MagiCore with cuff height 1mm shorter than predetermined cuff height.

Ex) If predetermined fixture length : 9mm, cuff 3mm was to be placed, use fixture with 1mm shorter cuff, i.e fixture length 9mm, cuff 2mm.

What is the MAGICORE[®] System?

8) During Tap Drilling or Implantation, do not change directions.
Drill or place fixture in the predetermined path and depth.

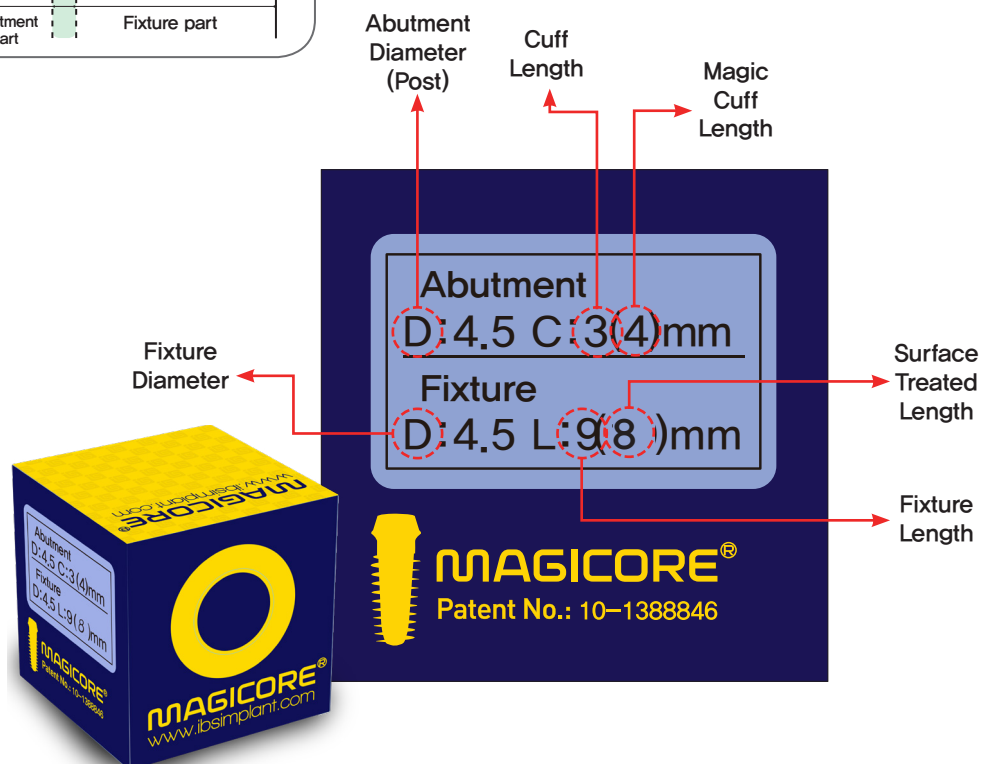
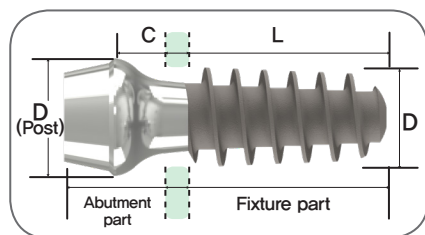
9) During Tap Drilling or during implantation, do not apply vertical pressure.

※ During placement of MagiCore, the bone between the threads (inter-thread bone) must not be fractured.

If the inter-thread bone is fractured due to vertical or horizontal pressure during placement, resorption of the inter-thread bone will occur and the healing period will be prolonged.

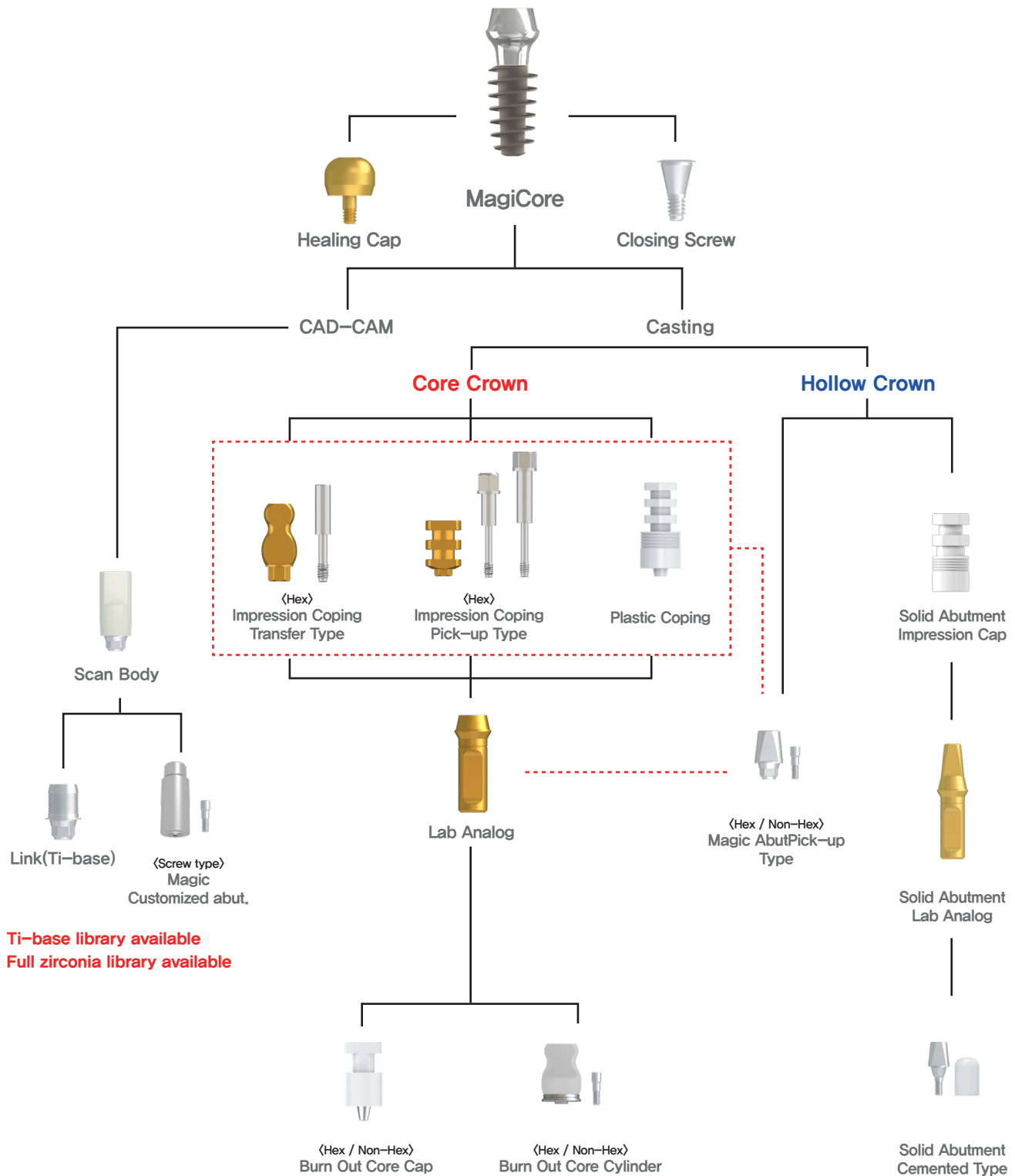
Therefore, for implantologists who are new to MagiCore, a minimum healing time of 6 months should be expected.

Product Labeling Guide



What is the **MAGICORE[®]** System?

Prosthetic Flowchart for IBS Implant System: **MagiCore[®]**



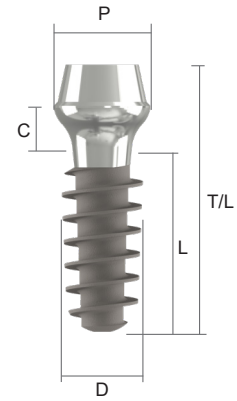
What is the **MAGICORE[®]** System?

Fixture Size

Fixture Diameter $\varnothing 4.0$

[Unit:mm]

Abutment Part		Fixture Part		T / L (Total Length)	Code
Diameter(P)	Cuff(C)	Diameter(D)	Length(L)		PAT
$\varnothing 4.5$	1	$\varnothing 4.0$	9	12	451M4009
	2			13	452M4009
	3			14	453M4009
	4			15	454M4009
	1		11	14	451M4011
	2			15	452M4011
	3			16	453M4011
	4			17	454M4011
	1		13	16	451M4013
	2			17	452M4013
	3			18	453M4013
	4			19	454M4013

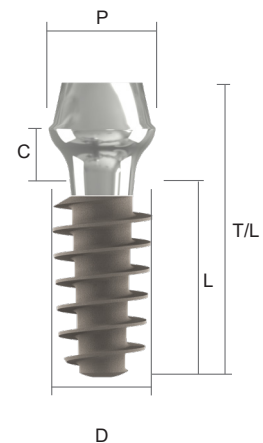


■ Custom Order : Length 7mm

Fixture Diameter $\varnothing 4.5$

[Unit:mm]

Abutment Part		Fixture Part		T / L (Total Length)	Code
Diameter(P)	Cuff(C)	Diameter(D)	Length(L)		PAT
$\varnothing 4.5$	1	$\varnothing 4.5$	7	10	451M4507
	2			11	452M4507
	3			12	453M4507
	4			13	454M4507
	1		9	12	451M4509
	2			13	452M4509
	3			14	453M4509
	4			15	454M4509
	1		11	14	451M4511
	2			15	452M4511
	3			16	453M4511
	4			17	454M4511
	1		13	16	451M4513
	2			17	452M4513
	3			18	453M4513
	4			19	454M4513

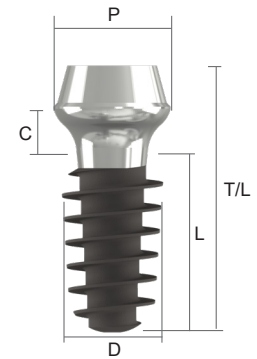


What is the MAGICORE[®] System?

Fixture Diameter Ø5.0

[Unit:mm]

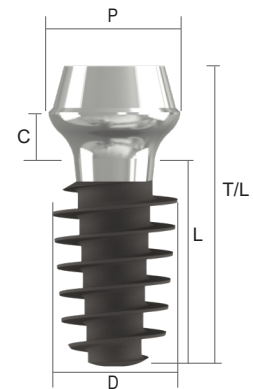
Abutment Part		Fixture Part		T / L (Total Length)	Code
Diameter(P)	Cuff(C)	Diameter(D)	Length(L)		PAT
Ø5.5	1	Ø5.0	7	10	551M5007
	2			11	552M5007
	3			12	553M5007
	4			13	554M5007
	1		9	12	551M5009
	2			13	552M5009
	3			14	553M5009
	4			15	554M5009
	1		11	14	551M5011
	2			15	552M5011
	3			16	553M5011
	4			17	554M5011
	1		13	16	551M5013
	2			17	552M5013
	3			18	553M5013
	4			19	554M5013



Fixture Diameter Ø5.5

[Unit:mm]

Abutment Part		Fixture Part		T / L (Total Length)	Code
Diameter(P)	Cuff(C)	Diameter(D)	Length(L)		PAT
Ø5.5	1	Ø5.5	7	10	551M5507
	2			11	552M5507
	3			12	553M5507
	4			13	554M5507
	1		9	12	551M5509
	2			13	552M5509
	3			14	553M5509
	4			15	554M5509
	1		11	14	551M5511
	2			15	552M5511
	3			16	553M5511
	4			17	554M5511



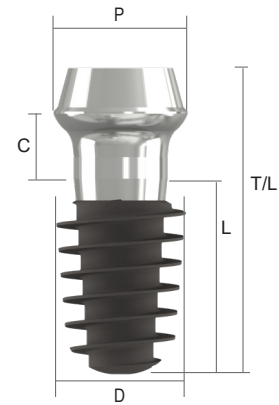
■ Custom Order : Length 13mm

What is the **MAGICORE[®]** System?

Fixture Diameter Ø6.0

[Unit:mm]

Abutment Part		Fixture Part		T / L	Code
Diameter(P)	Cuff(C)	Diameter(D)	Length(L)	(Total Length)	PAT
Ø5.5	1	Ø6.0	7	10	551M6007
	2			11	552M6007
	3			12	553M6007
	4			13	554M6007
	1		9	12	551M6009
	2			13	552M6009
	3			14	553M6009
	4			15	554M6009
	1		11	14	551M6011
	2			15	552M6011
	3			16	553M6011
	4			17	554M6011

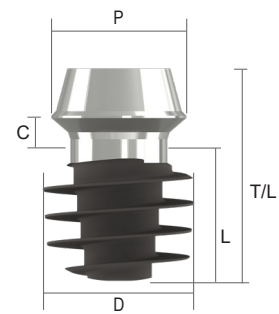


■ Custom Order : Length 13mm

Fixture Diameter Ø6.5

[Unit:mm]

Abutment Part		Fixture Part		T / L	Code
Diameter(P)	Cuff(C)	Diameter(D)	Length(L)	(Total Length)	PAT
Ø5.5	1	Ø6.5	7	10	551M6507
	2			11	552M6507
	3			12	553M6507
	4			13	554M6507
	1		9	12	551M6509
	2			13	552M6509
	3			14	553M6509
	4			15	554M6509
	1		11	14	551M6511
	2			15	552M6511
	3			16	553M6511
	4			17	554M6511



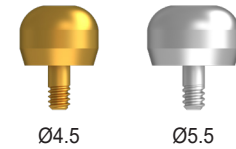
■ Custom Order : Length 13mm

What is the **MAGICORE[®]** System?

Prosthetic components for MagiCore

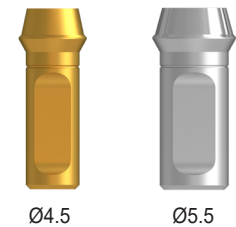
Healing Cap

Abutment Diameter	Color	Code
4.5	● Yellow	MP CAP45
5.5	● Silver	MP CAP55



Lab Analog

Abutment Diameter	Color	Code
4.5	● Yellow	MPL45
5.5	● Silver	MPL55



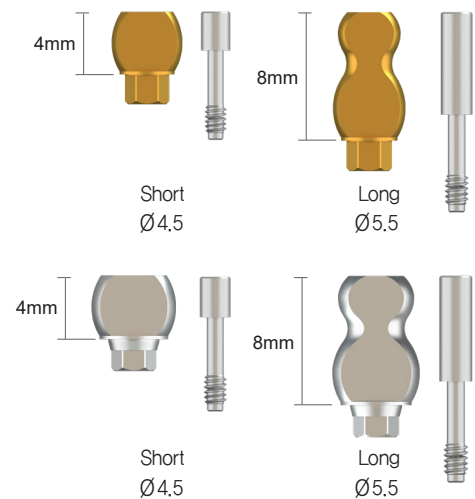
Closing Screw

Abutment Diameter	Code
4.5 / 5.5	HISC07



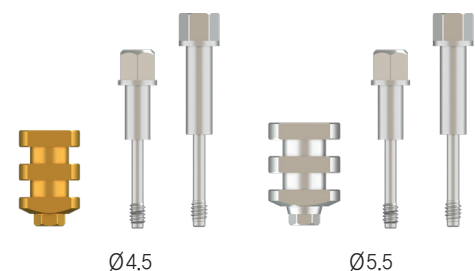
Impression Coping (Transfer Type)

Diameter	Type	Height	Code
4.5	Hex	Short	● MTICH45
5.5			● MTICH55
4.5		Long	● MTICH45L
5.5			● MTICH55L



Impression Coping (Pick-Up Type)

Diameter	Type	Height	Code
4.5	Hex	Short	● MPICH45
5.5			● MPICH55
4.5		Long	● MPICH45L
5.5			● MPICH55L



What is the **MAGICORE[®]** System?

Burn Out Core Cylinder (Screw-Retained Type)

[Unit:mm]

Abutment Diameter	Type	Color	Code
Ø4.5	Hex	○ White	MPSR45ST
	Non-Hex		MPSR45BT
Ø5.5	Hex	● Black	MPSR55ST
	Non-Hex		MPSR55BT



Ø4.5



Ø5.5

· Torque Screw at 15N/cm~20N/cm

Burn Out Core Cap (Cemented Type)

[Unit:mm]

Abutment Diameter	Type	Color	Code
Ø4.5	Hex	○ White	MPLP45S
	Non-Hex		MPLP45B
Ø5.5	Hex	● Black	MPLP55S
	Non-Hex		MPLP55B



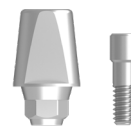
Ø4.5



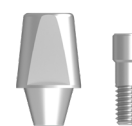
Ø5.5

Magic Abutment

Abutment Diameter	Height	Code	
		Hex	Non-Hex
Ø4.5	3	MMAH4503	MMAN4503
	5	MMAH4505	MMAN4505
Ø5.5	3	MMAH5503	MMAN5503
	5	MMAH5505	MMAN5505



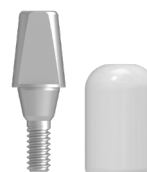
Hex



Non-Hex

MagiCore Solid Abutment

Abutment Diameter	Height	Code
Ø4.5	3	MA4503
	5	MA4505
Ø5.5	3	MA5503
	5	MA5505



Ø4.5



Ø5.5

· Connect using Tighten with 1.2 Hexa driver (25N~30N/cm)

What is the **MAGICORE[®]** System?

Plastic Impression Coping

[Unit:mm]

Abutment Diameter	Type	Color	Code
Ø4.5	Hex	○White	MFPC45
Ø5.5		●Black	MFPC55



Ø4.5



Ø5.5

MagiCore Solid Abutment Impression Cap

Abutment Diameter	Code
Ø4.5	MSPC45
Ø5.5	MSPC55



Ø4.5



Ø5.5

MagiCore Solid Abutment Lab Analog

Abutment Diameter	Height	Code
Ø4.5	3	MAL453
	5	MAL455
Ø5.5	3	MAL553
	5	MAL555



Ø4.5



Ø5.5

What is the **MAGICORE[®]** System?

■ CAD / CAM Components

※ CAD/CAM Components

※ Link library available

- Abutment Screw (MPCS) included

MagiCore Scanbody

Abutment Diameter	Code
Ø4.5	MSB45
Ø5.5	MSB55



Ø4.5



Ø5.5

MagiCore Link (Ti-base)

Abutment Diameter	Type	Code
Ø4.5	Hex	MLH 40
	Non-Hex	MLN 40
Ø5.5	Hex	MLH 45
	Non-Hex	MLN 45



Ø4.5
(Hex / Non-Hex)



Ø5.5
(Hex / Non-Hex)

Customized Abutment

[Unit:mm]

Diameter	Length	Code	
		Hex	Non-Hex
Ø8.0	10	MC45H1020AB	MC45N1020AB
		MC55H1020AB	MC55N1020AB



Hex

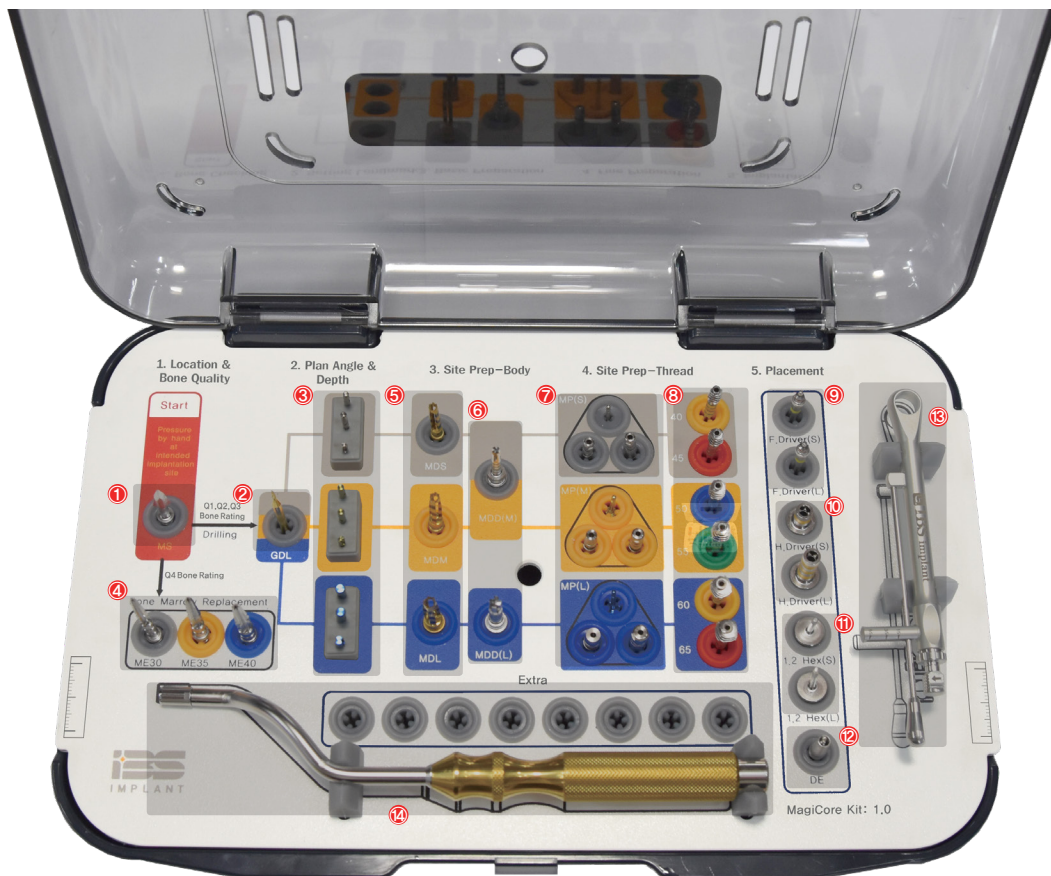


Non-Hex

What is the **MAGICORE[®]** System?

MagiCore Kit

for Minimally Invasive Implant Surgery



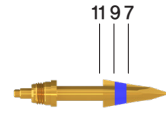
- | | |
|---------------------------|---------------------------------|
| ① Magic Split | ⑧ Magic Tap Drill |
| ② Guide Drill | (4.0/4.5/5.0/5.5/6.0/6.5) |
| ③ Guide Pin | ⑨ MagiCore Machine Driver (S/L) |
| ④ Magic Expander | ⑩ Ratchet Driver (S/L) |
| ⑤ Magic Drill (S/M/L) | ⑪ 1.2 Hex Driver (S/L) |
| ⑥ Magic Depth Drill (M/L) | ⑫ Drill Expansion |
| ⑦ Magic Pin (S/M/L) | ⑬ Torque Ratchet |
| – Magic Pin Body (S/L) | ⑭ Angled Hand Lever |
| – Magic Pin Guide | |

What is the **MAGICORE[®]** System?

Magic Split

[Unit:mm]

Diameter (D)	Code
Ø2.5	MS25SI

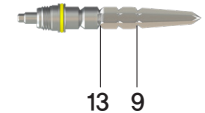


- Tapping instrument, used after connecting to Angled Hand Lever.
- Used as the 1st step in implant surgery to check the bone quality.
- Used as an initial step in the bone expansion technique (BEB) to form the first osteotomy

Magic Expander

[Unit:mm]

Diameter (D)	Code
Ø3.0	● ME30I
Ø3.5	● ME35I
Ø4.0	● ME40I

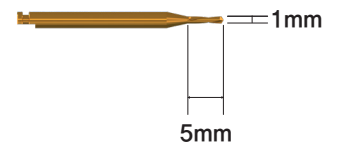


- It is used to perform the osteotomy in Q4 bone (very soft bone).
- Tapping instrument, used after connecting to Angled Hand Lever.
- Used in the bone expanding technique (BEB)
- Specially designed star shaped tool that absorbs condensation and reduces load to safely expand bone width.

Guide Drill

[Unit:mm]

Code
GDL

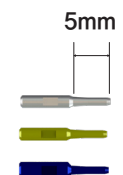


- Used to drill the hole in which the Guide Pin will be fixed, guiding the path and location of the drill and implantation.

Guide Pin

[Unit:mm]

Diameter (D)	Code
Ø2.9	● P33L
Ø3.4	● P38L
Ø4.4	● P48L



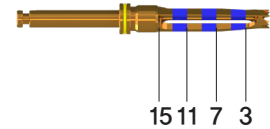
- Used while fixed into the hole made by the Pin Drill, this Guide Pin serves both as a landmark and as a physical internal drill guide. The Guide Pin prevents the Magic Drill from drilling in any other direction than the path set by the fixed path of the Pin.

What is the MAGICORE[®] System?

Magic Drill

[Unit:mm]

Diameter (D)	Code
Ø2.9	● MDS
Ø3.4	● MDM
Ø4.4	● MDL

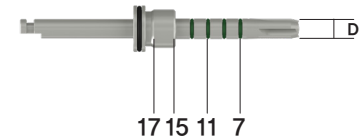


- Drilling instrument used to perform osteotomy in both hard and soft bone types.
- Hollowed shape allows retrieval of autologous bone.
- Recommended drill speed: > 1,500 rpm
- Recommended use limit : 50 times

Magic Depth Drill

[Unit:mm]

Diameter (D)	Code
Ø2.4	MDDS
Ø3.1	MDDW

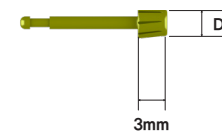


- A drill with no horizontal blades, able only to drill vertically.
- Used to confirm the depth of the osteotomy.
- Used to classify bone quality at the bottom of the osteotomy.
- In case the bone is classified to be D1 bone, this drill can be used to form a deeper osteotomy.

Magic Tap Pin

[Unit:mm]

Diameter (D)	Code
Ø2.4	P4
Ø2.7	P5
Ø3.3	P6



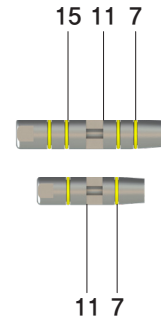
- Used while connected to the Magic Pin Body.
- Used to confirm the path and location of osteotomy.
- Guides the path of the Tap Drill, making it possible for precision tapping.

What is the MAGICORE[®] System?

Magic Parallel Pin

[Unit:mm]

Length (L)	Diameter (D)	Code
15	Ø2.9mm	● BS4
20	Ø2.9mm	● BL4
15	Ø3.4mm	● BS5
20	Ø3.4mm	● BL5
15	Ø4.4mm	● BS6
20	Ø4.4mm	● BL6

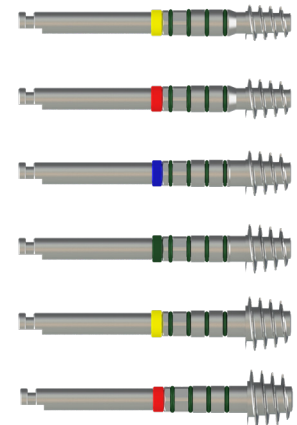


- The Magic Tap Pin must be used while connected to the Magic Parallel Pin. The Magic Parallel Pin may be used by itself.
- Used while connected to the Magic Pin.
- Used to confirm the path and location of the osteotomy
- Used to fix the Magic Pin to match the path of the osteotomy
- Can be used without the Magic Pin as a conventional Parallel Pin.

Magic Tap Drill

[Unit:mm]

Diameter (D)	Code
Ø3.8	● TD40
Ø4.3	● TD45
Ø4.8	● TD50
Ø5.3	● TD55
Ø5.8	● TD60
Ø6.3	● TD65

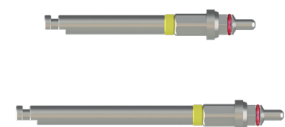


- Performs a tap in the exact shape of the MagiCore Implant to be placed. (Fit Drilling)

Magicore Machine Driver

[Unit:mm]

Length (L)	Code
Short	MHMDS
Long	MHMDL



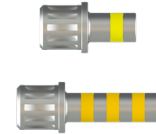
- Specially designed for the placement of MagiCore in case of implantation using the hand-piece.

What is the **MAGICORE[®]** System?

Ratchet Driver

[Unit:mm]

Length (L)	Code
Short	RDS
Long	RDL



- The machine driver or tap drill can be connected to the ratchet driver and turned into hand-use form.
- Used while connected to the MagiCore Machine Driver, this tool allows for the passive, hand-placement of the MagiCore fixture, and also allows for engagement with the torque ratchet.

1.2 Hex Driver

[Unit:mm]

Length (L)	Code
Short	HD1.2S
Long	HD1.2L



- Used to engage the Closing Screw, Magic Screw, and Abutment Screws.
- Able to be engaged with the torque ratchet.

Torque Ratchet

[Unit:mm]

Code
TRW



Angled Hand Lever

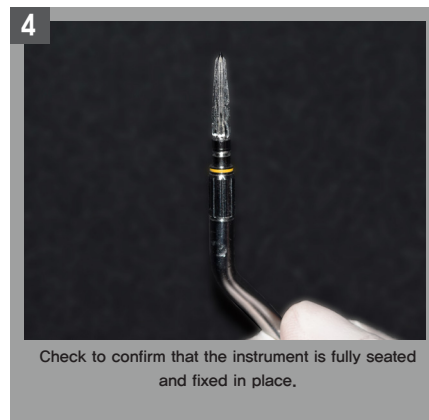
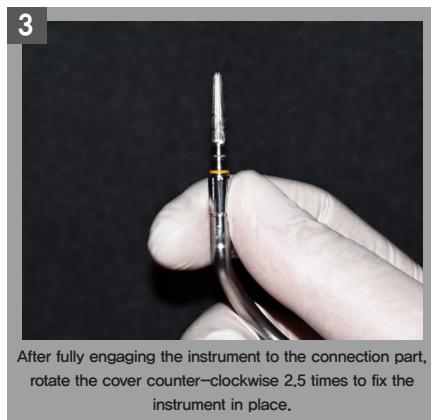
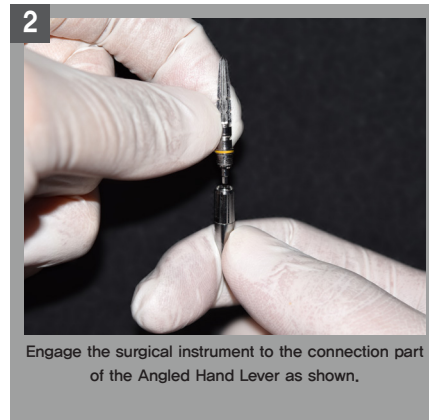
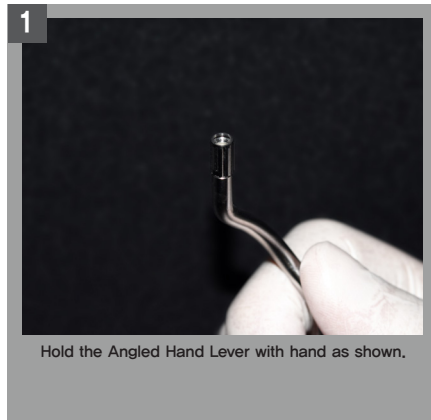
[Unit:mm]

Code
HLAI



What is the **MAGICORE[®]** System?

• Directions for connecting instruments to the Angled Hand Lever



– **MagiCore KIT Precautions Before Use**

- Precautions when connecting instruments to the Angled Hand Lever
 - Do not try to excessively remove the instrument from the Angled Hand Lever when connected together without properly disengaging the screw cover.
- When using a tapping instrument, do not apply strong force. Only gentle tapping must be performed. If the instrument does not advance, use the drill to adjust, then resume gentle tapping.
- The Magic Sinus Lifter has a circular bladed tip. This tip must be applied to a flat portion of bone. If the intended site of procedure is not flat, prepare the area with the Magic Drill.
- Cleanse instrument immediately after use in clean water.
 - Do not use saline solution or hydrogen peroxide to wash.
 - Ultrasonic wave is recommended.
- After cleaning, the instrument should be stored in a cool and dry place.



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