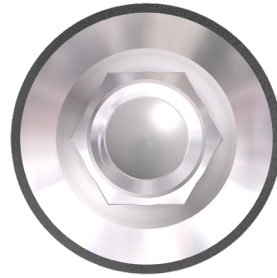
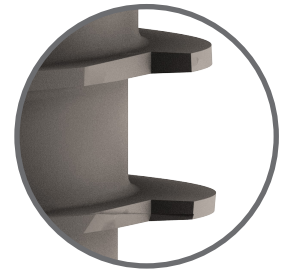


MAGIC FC[®] System

MAGIC FC[®]



(Top View)



Cutting Edge

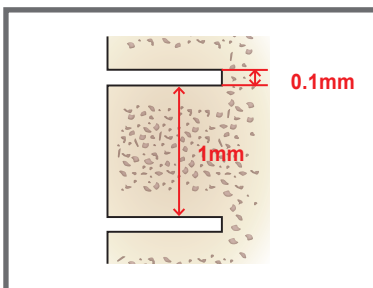
- Self-Threading insertion with excellent directional maintenance

Special Coronal Shape

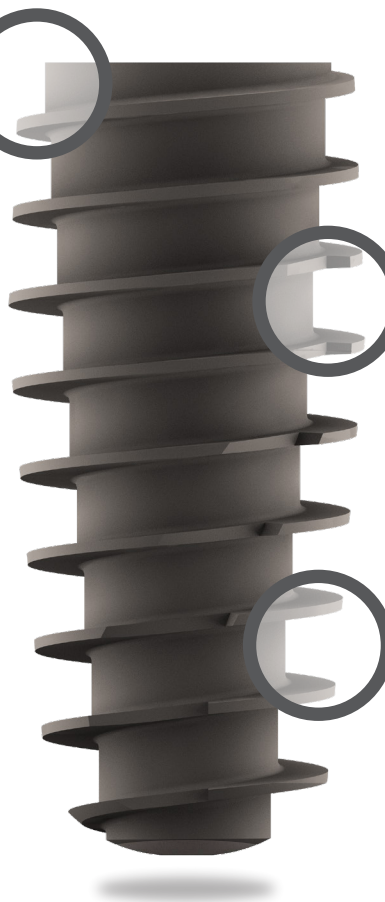
- Prevention of marginal bone loss, increased cortical bone healing ability

Straight-tapered body

- Designed for maximum bone contact and superior primary stability



- Improved strength of bone between threads
- Balanced flexibility and load resistance between threads and bone
- Large volume of bone in contact with implant results in superior stability



(Front View)

FIN THREAD

- Cuts through bone and gains stability by maximum bone-to-thread contact regardless of bone quality.
- Gains stability without bone pressure

Magic FC Drill Guide Table

Fixture Bone Quality	Ø 4.0mm	Ø 4.5mm	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm
Soft Bone	MD38	MD38	MD43	MD48	MD53	MD58
Hard Bone		MD43	MD48	MD53	MD58	MD63

Magic FC Precautions

1. Insert the fixture in the pre-planned and drilled direction. Make sure to match the direction of the fixture to the angle of the placement hole by first placing the final drill into the placement hole to check and confirm direction. Then proceed with fixture placement.
2. Only apply slight vertical pressure for the first 2mm of insertion. DO NOT apply vertical pressure during placement.
3. Do not change directions while placing the implant.
4. Maintain placement speed below 20rpm.
5. Final torque is irrelevant to stability. Rather, the torque indicates bone quality. Dense bone will result in high torque, whereas soft bone will result in low torque.

Magic FC Mini (Ø3.0, Ø3.5)

When using the FC Mini fixture, abutments have an increased cuff of 1mm

Fixture Size

Fixture Diameter Ø3.0 (Mini) [Unit:mm]

Diameter	Length	Code
		PAT
Ø3.0	9	IBS3009F
	11	IBS3011F
	13	IBS3013F



Fixture Diameter Ø3.5 (Mini) [Unit:mm]

Diameter	Length	Code
		PAT
Ø3.5	9	IBS3509F
	11	IBS3511F
	13	IBS3513F

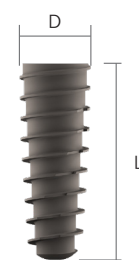


MAGIC FC®

Magic FC

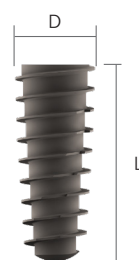
Fixture Diameter Ø4.0 [Unit:mm]

Diameter	Length	Code	
		PAT	SLA
Ø4.0	7	IBS4007FC	FC4007
	9	IBS4009FC	FC4009
	11	IBS4011FC	FC4011
	13	IBS4013FC	FC4013



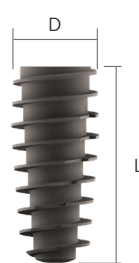
Fixture Diameter Ø4.5 [Unit:mm]

Diameter	Length	Code	
		PAT	SLA
Ø4.5	7	IBS4507FC	FC4507
	9	IBS4509FC	FC4509
	11	IBS4511FC	FC4511
	13	IBS4513FC	FC4513



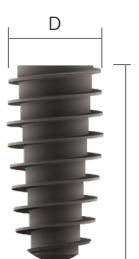
Fixture Diameter Ø5.0 [Unit:mm]

Diameter	Length	Code	
		PAT	SLA
Ø5.0	7	IBS5007FC	FC5007
	9	IBS5009FC	FC5009
	11	IBS5011FC	FC5011
	13	IBS5013FC	FC5013



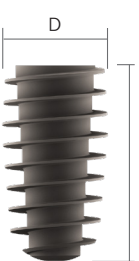
Fixture Diameter Ø5.5 [Unit:mm]

Diameter	Length	Code	
		PAT	SLA
Ø5.5	7	IBS5507FC	FC5507
	9	IBS5509FC	FC5509
	11	IBS5511FC	FC5511
	13	IBS5513FC	FC5513



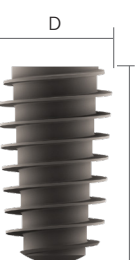
Fixture Diameter Ø6.0 [Unit:mm]

Diameter	Length	Code	
		PAT	SLA
Ø6.0	7	IBS6007FC	FC6007
	9	IBS6009FC	FC6009
	11	IBS6011FC	FC6011
	13	IBS6013FC	FC6013



Fixture Diameter Ø6.5 [Unit:mm]

Diameter	Length	Code	
		PAT	SLA
Ø6.5	7	IBS6507FC	FC6507
	9	IBS6509FC	FC6509
	11	IBS6511FC	FC6511
	13	IBS6513FC	FC6513

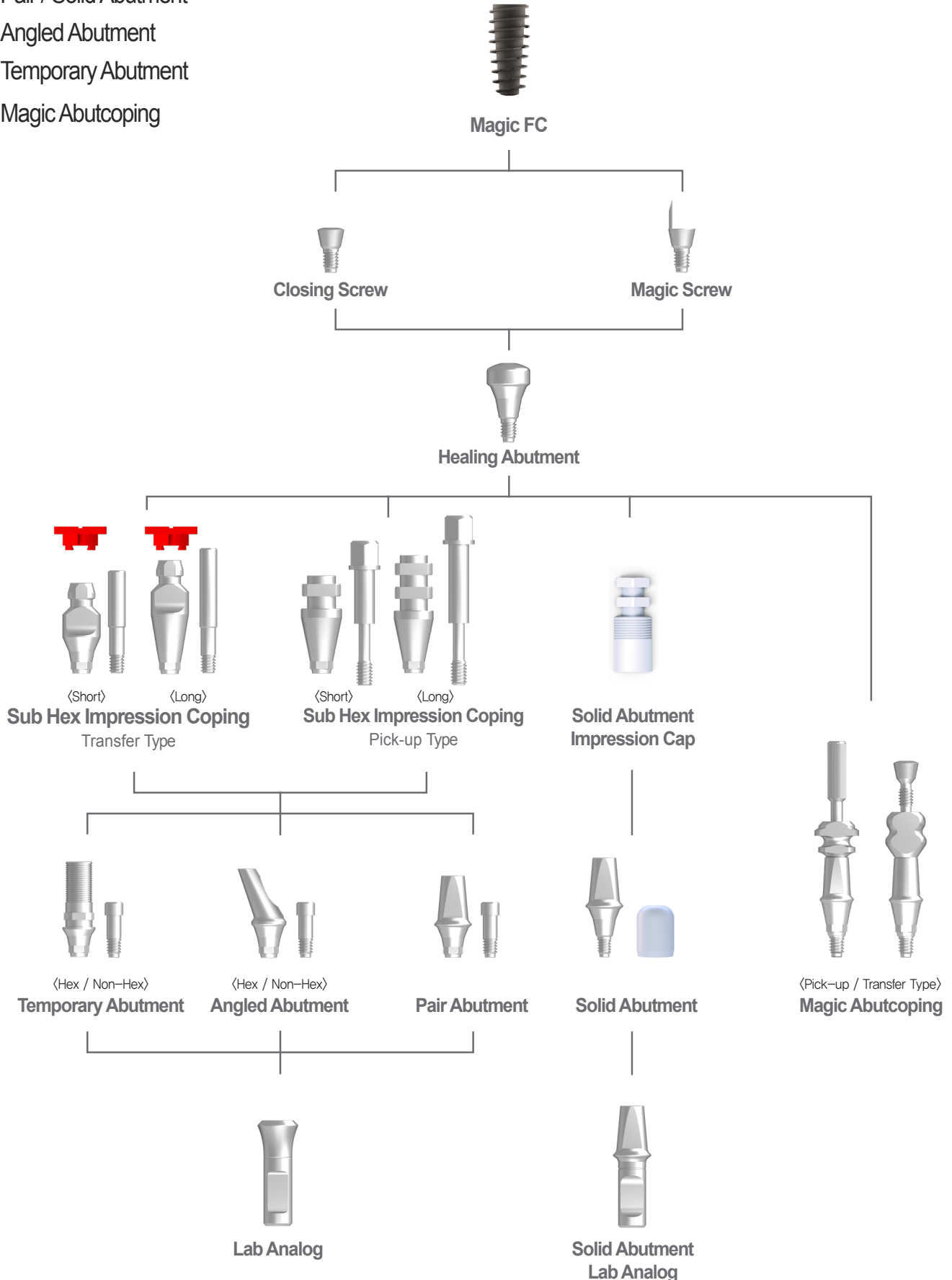


IBS Prosthetic System

Magic FC

Cemented type Prosthetics

- Pair / Solid Abutment
- Angled Abutment
- Temporary Abutment
- Magic Abutcopying



Lab Analog

Solid Abutment
Lab Analog

IBS Prosthetic System

Closing Screw

- Prevention of foreign substance entering into connection after placement
- Tighten by using 1.2 Hexa Driver and Torque Ratchet (5N~10N/cm)

[Unit:mm]

ØDiameter	Code
Ø3.4	HISC00
FC Mini	HISCM

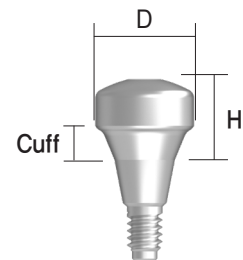


Healing Abutment

- Forming gingival shape after osseointegration
- Tighten by using 1.2 Hexa Driver and Torque Ratchet (5N~10N/cm)

[Unit:mm]

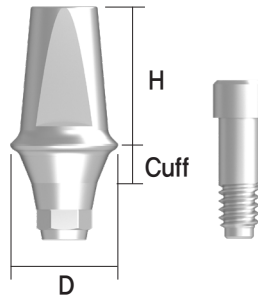
ØDiameter	Height(H)	Cuff	Code
Ø4.0	3.5	1	HISH 4001
	4.5	2	HISH 4002
	5.5	3	HISH 4003
	6.5	4	HISH 4004
Ø4.5	3.5	1	HISH 4501
	4.5	2	HISH 4502
	5.5	3	HISH 4503
	6.5	4	HISH 4504
Ø5.5	3.5	1	HISH 5501
	4.5	2	HISH 5502
	5.5	3	HISH 5503
	6.5	4	HISH 5504
Ø6.0	3.5	1	HISH 6001
	4.5	2	HISH 6002
	5.5	3	HISH 6003
	6.5	4	HISH 6004



IBS Prosthetic System

Pair Abutment

- Two piece type abutment
- Tighten with 1.2 Hexa driver (25N~30N/cm)
- Abutment Screw (OIAS400) included



[Unit:mm]

ØDiameter	Height(H)	Cuff	Code	ØDiameter	Height(H)	Cuff	Code
Ø 4.0	4	1	OSH 4014	Ø 5.5	5.7	1	OSH 5516
		2	OSH 4024			2	OSH 5526
		3	OSH 4034			3	OSH 5536
		4	OSH 4044			4	OSH 5546
Ø 4.5		1	OSH 4514	Ø 6.5		1	OSH 6516
		2	OSH 4524			2	OSH 6526
		3	OSH 4534			3	OSH 6536
		4	OSH 4544			4	OSH 6546
Ø 5.5	1	OSH 5514	Ø 4.0	7.5	1	OSH 4018	
	2	OSH 5524			2	OSH 4028	
	3	OSH 5534			3	OSH 4038	
	4	OSH 5544			4	OSH 4048	
Ø 6.5	1	OSH 6514	Ø 4.5		1	OSH 4518	
	2	OSH 6524			2	OSH 4528	
	3	OSH 6534			3	OSH 4538	
	4	OSH 6544			4	OSH 4548	
Ø 4.0	1	OSH 4016	Ø 5.5	1	OSH 5518		
	2	OSH 4026		2	OSH 5528		
	3	OSH 4036		3	OSH 5538		
	4	OSH 4046		4	OSH 5548		
Ø 4.5	1	OSH 4516	Ø 6.5	1	OSH 6518		
	2	OSH 4526		2	OSH 6528		
	3	OSH 4536		3	OSH 6538		
	4	OSH 4546		4	OSH 6548		

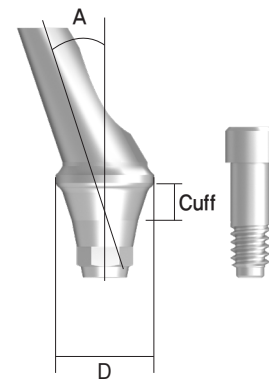
IBS Prosthetic System

Angled Abutment

- Used to compensate for fixture placement direction error or in anterior region
- Tighten with 1.2 Hexa driver (25N~30N/cm)
- Abutment Screw (OIAS400) included

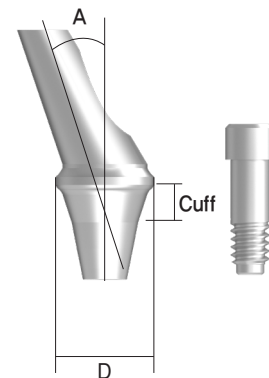
Hex Type [Unit:mm]

ØDiameter	Angle	Cuff	Code
Ø4.0	15 °	1	HISA 40115
		2	HISA 40215
		3	HISA 40315
		4	HISA 40415
	25 °	1	HISA 40125
		2	HISA 40225
		3	HISA 40325
		4	HISA 40425
Ø4.5	15 °	1	HISA 45115
		2	HISA 45215
		3	HISA 45315
		4	HISA 45415
	25 °	1	HISA 45125
		2	HISA 45225
		3	HISA 45325
		4	HISA 45425
Ø5.0	15 °	1	HISA 50115
		2	HISA 50215
		3	HISA 50315
		4	HISA 50415
	25 °	1	HISA 50125
		2	HISA 50225
		3	HISA 50325
		4	HISA 50425



Non-Hex Type [Unit:mm]

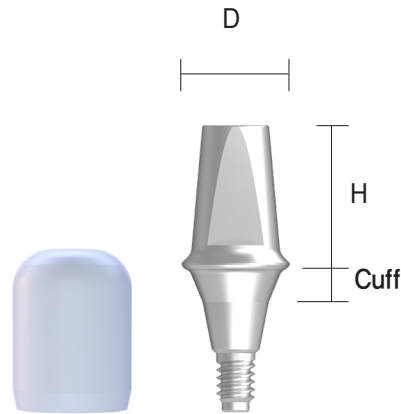
ØDiameter	Angle	Cuff	Code
Ø4.0	15 °	1	NHSA 40115
		2	NHSA 40215
		3	NHSA 40315
		4	NHSA 40415
	25 °	1	NHSA 40125
		2	NHSA 40225
		3	NHSA 40325
		4	NHSA 40425
Ø4.5	15 °	1	NHSA 45115
		2	NHSA 45215
		3	NHSA 45315
		4	NHSA 45415
	25 °	1	NHSA 45125
		2	NHSA 45225
		3	NHSA 45325
		4	NHSA 45425
Ø5.0	15 °	1	NHSA 50115
		2	NHSA 50215
		3	NHSA 50315
		4	NHSA 50415
	25 °	1	NHSA 50125
		2	NHSA 50225
		3	NHSA 50325
		4	NHSA 50425



IBS Prosthetic System

Solid Abutment

- One-piece type abutment
- Protection Cap (OISS) included
- Tighten with 1.2 Hexa Driver (25N~30N/cm)



[Unit:mm]

ØDiameter	Height(H)	Cuff	Code	ØDiameter	Height(H)	Cuff	Code
Ø 4.0	4	1	HISS 4014	Ø 5.5	5.5	1	HISS 5515
		2	HISS 4024			2	HISS 5525
		3	HISS 4034			3	HISS 5535
		4	HISS 4044			4	HISS 5545
Ø 4.5		1	HISS 4514	Ø 6.5		1	HISS 6515
		2	HISS 4524			2	HISS 6525
		3	HISS 4534			3	HISS 6535
		4	HISS 4544			4	HISS 6545
Ø 5.5	7	1	HISS 5514	Ø 4.0	7	1	HISS 4017
		2	HISS 5524			2	HISS 4027
		3	HISS 5534			3	HISS 4037
		4	HISS 5544			4	HISS 4047
Ø 6.5		1	HISS 6514	Ø 4.5		1	HISS 4517
		2	HISS 6524			2	HISS 4527
		3	HISS 6534			3	HISS 4537
		4	HISS 6544			4	HISS 4547
Ø 4.0	5.5	1	HISS 4015	Ø 5.5	5.5	1	HISS 5517
		2	HISS 4025			2	HISS 5527
		3	HISS 4035			3	HISS 5537
		4	HISS 4045			4	HISS 5547
Ø 4.5		1	HISS 4515	Ø 6.5		1	HISS 6517
		2	HISS 4525			2	HISS 6527
		3	HISS 4535			3	HISS 6537
		4	HISS 4545			4	HISS 6547

IBS Prosthetic System

■ Solid Abutment Impression Cap

- Used for precise impression coping on solid abutment

[Unit:mm]

ØDiameter	Code
Ø 4.0	FSPC40
Ø 4.5	FSPC45
Ø 5.5	FSPC55
Ø 6.5	FSPC65

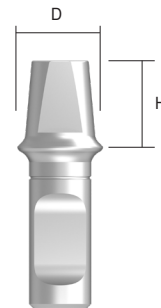


■ Solid Abutment Analog

- Used with Solid Abutment

[Unit:mm]

ØDiameter	Height(H)	Code
Ø 4.0	4	FSLA404
	5.5	FSLA405
	7	FSLA407
Ø 4.5	4	FSLA454
	5.5	FSLA455
	7	FSLA457
Ø 5.5	4	FSLA554
	5.5	FSLA555
	7	FSLA557
Ø 6.5	4	FSLA654
	5.5	FSLA655
	7	FSLA657

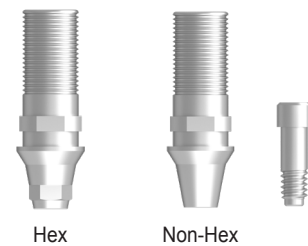


■ Temporary Abutment

- Abutment Screw (OIAS400) included

[Unit:mm]

Type	Code
Hex	TAPH4513
Non-Hex	TAPN4513



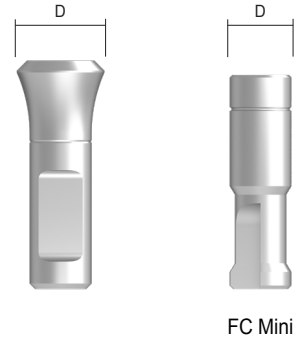
IBS Prosthetic System

Lab Analog

- Used when working cast is fabricated, and has same inner-connection structure as the fixture

[Unit: mm]

ØDiameter	Code
Ø 4.8	HIAL
FC Mini	HIALM

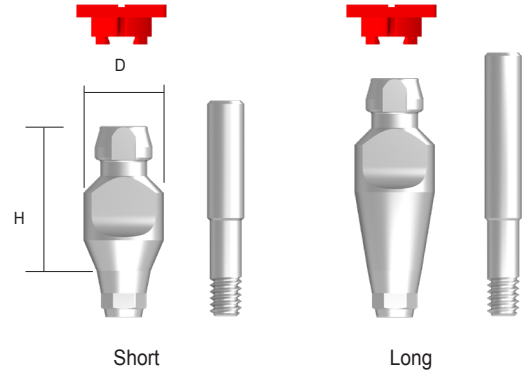


Sub Hex Impression Coping

- Used with closed tray when taking fixture level impression
- Tighten by using 1.2 Hexa Driver and Torque Ratchet (10N/cm)
- Transfer Cap (TCS) included in the package

[Unit: mm]

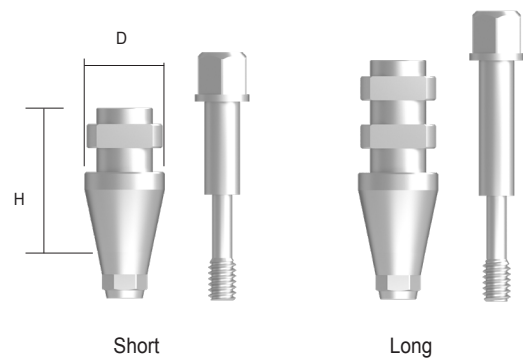
ØDiameter	Height(H)	Code
Ø 4.0	11.9 (Short)	HICTS40S
	14.9 (Long)	HICTS40L
Ø 5.0	11.9 (Short)	HICTS50S
	14.9 (Long)	HICTS50L



- Used with open type tray when taking fixture level impression

[Unit: mm]

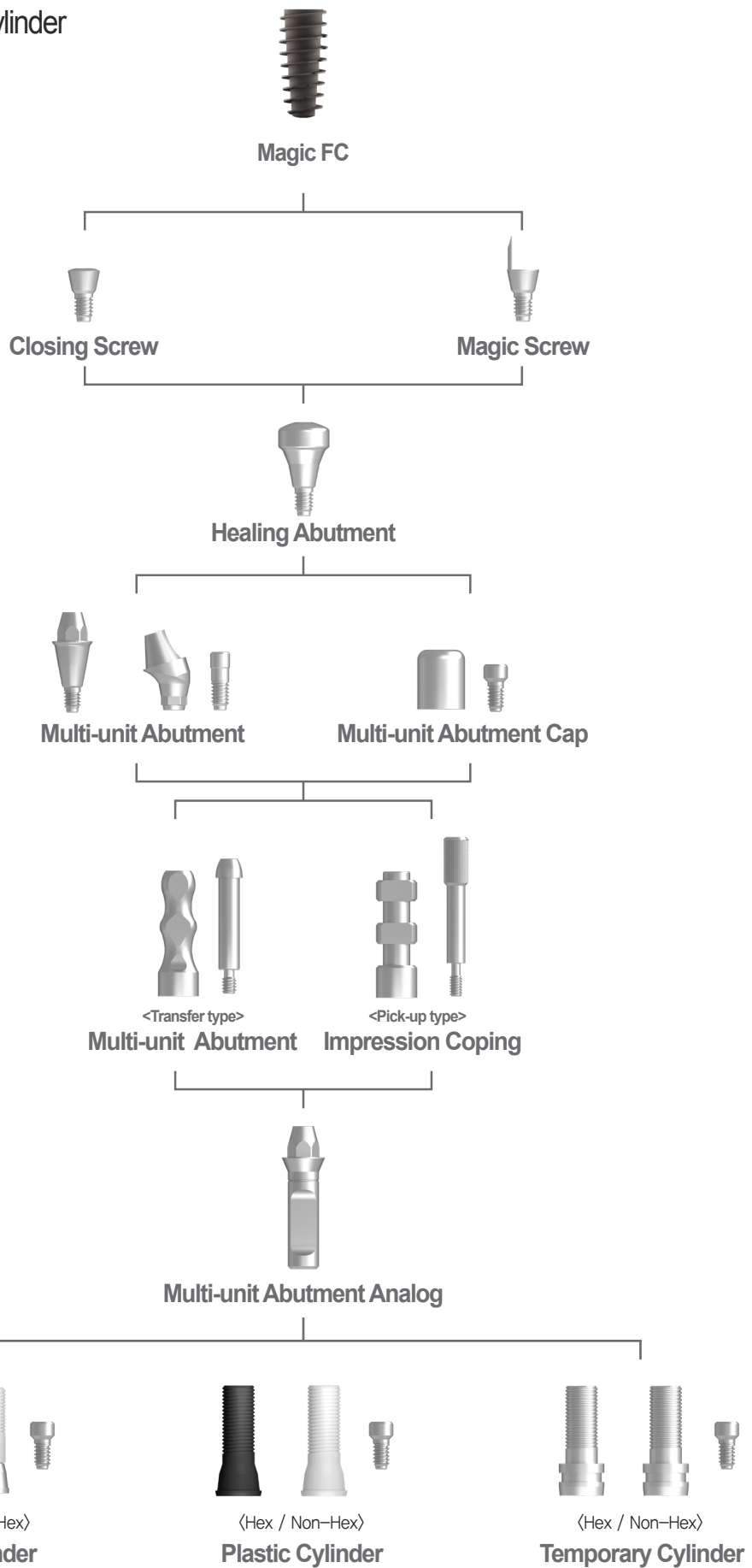
ØDiameter	Height(H)	Code
Ø 4.0	11.9 (Short)	HICP40S
	14.9 (Long)	HICP40L
Ø 5.0	11.9 (Short)	HICP50S
	14.9 (Long)	HICP50L



IBS Prosthetic System

Screw-retained Prosthetics:

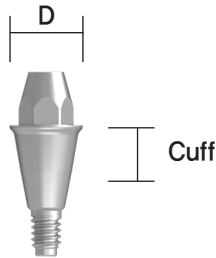
Multi-unit Abutment / Cylinder



IBS Prosthetic System

Multi-unit Abutment

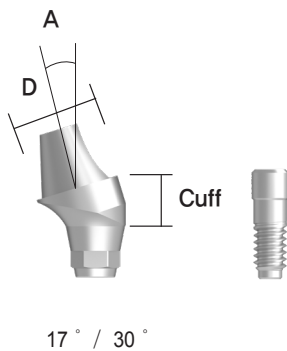
- Used with multiunit cylinders to create screw retained restorations
- Tighten with Multi-unit Abutment Driver (25N~30N/cm)



Multi-unit Abutment (Straight) [Unit:mm]

Diameter	Cuff	Type	Code
Ø4.8	2	Hex	FMH482070
	3		FMH483080
	4		FMH484090
	5		FMH485100

- Improves posterior angulation in screw retained multiple unit restorations
- Tighten with 1.2 Hexa driver (25N~30N/cm)
- Multi-unit Abutment screw (MUASR) included



Multi-unit Abutment (Angled) [Unit:mm]

Diameter	Cuff	17°		30°	
		Hex	Non-Hex	Hex	Non-Hex
Ø4.8	2	FMH482081	FMN482081	-	-
	3	FMH483091	FMN483091	-	-
	4	FMH484101	FMN484101	FMH484103	FMN484103
	5	-	-	FMH485113	FMN485113

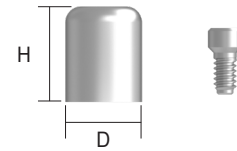
IBS Prosthetic System

Multi-unit Abutment Cap

- Used to protect the abutment in the patients mouth and minimize discomfort for the patient
- Retaining screw (MASR) included
- Tighten with 1.2 Hexa Driver and Torque Ratchet (10N)

[Unit:mm]

Diameter	Height	Code
Ø4.8	6	MAC48R



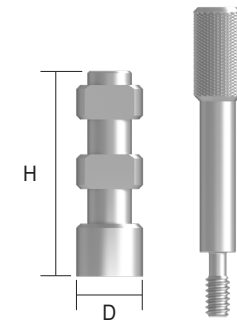
Multi-unit Abutment Impression coping

Pick-up Type

[Unit:mm]

Diameter	Height	Hex / Non-Hex	Code
Ø4.8	14.8	Hex	MIPH48R
		Non-Hex	MIPN48R

- Pick-up type impression-taking process using custom tray (Open tray)
- Tighten with 1.2 Hexa Driver and Torque Ratchet (10N)

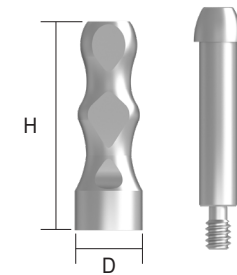


Transfer Type

[Unit:mm]

Diameter	Height	Hex / Non-Hex	Code
Ø4.8	14.8	Hex	MITH48R
		Non-Hex	MITN48R

- Transfer type impression taking process using ready-made tray (Closed Tray)
- Tighten with 1.2 Hexa Driver and Torque Ratchet (10N)



Multi-unit Abutment Analog

- Replacement of abutment shape in working cast

Analog

[Unit:mm]

Diameter	Code
Ø4.8	MAA48R



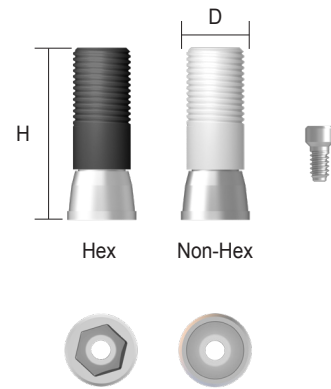
IBS Prosthetic System

Multi-unit Abutment CCM Cylinder

- Used with Multi-unit Abutments to create multiple screw retained prosthetics. Requires the use of dental alloys with lower melting points.
- Retaining screw (MASR) included
- Tighten with 1.2 Hexa Driver and Torque Ratchet (20N)
- The hex type is compatible with the straight type multi-unit abutment only.

CCM Cylinder [Unit:mm]

Diameter	Height	Hex / Non-Hex	Code
Ø4.8	12	Hex	MCC48R
		Non-Hex	MCCN48R

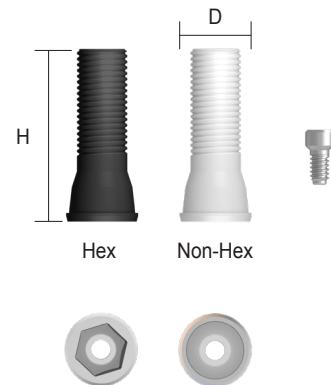


Multi-unit Abutment Plastic Cylinder

- Used with multi-unit abutments to create multiple unit screw retained prosthetics
- All plastic design allows for the use of base alloys
- Retaining screw (MASR) included
- Tighten with 1.2 Hexa Driver and Torque Ratchet (20N)
- The hex type is compatible with the straight type multi-unit abutment only.

Plastic Cylinder [Unit:mm]

Diameter	Height	Hex / Non-Hex	Code
Ø4.8	12	Hex	MCP48R
		Non-Hex	MCPN48R

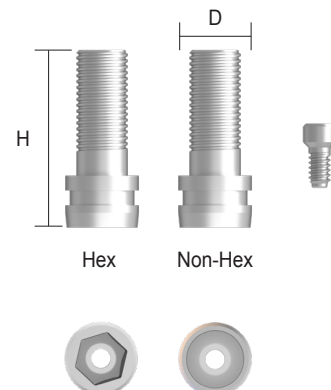


Multi-unit Abutment Temporary Cylinder

- Allow appliances to be constructed or modified to become implant supported and screw retained
- Retaining screw (MASR) included
- Tighten with 1.2 Hexa Driver and Torque Ratchet (20N)
- The hex type is compatible with the straight type multi-unit abutment only.

Temporary Cylinder [Unit:mm]

Diameter	Height	Hex / Non-Hex	Code
Ø4.8	12	Hex	MCTH48R
		Non-Hex	MCTN48R



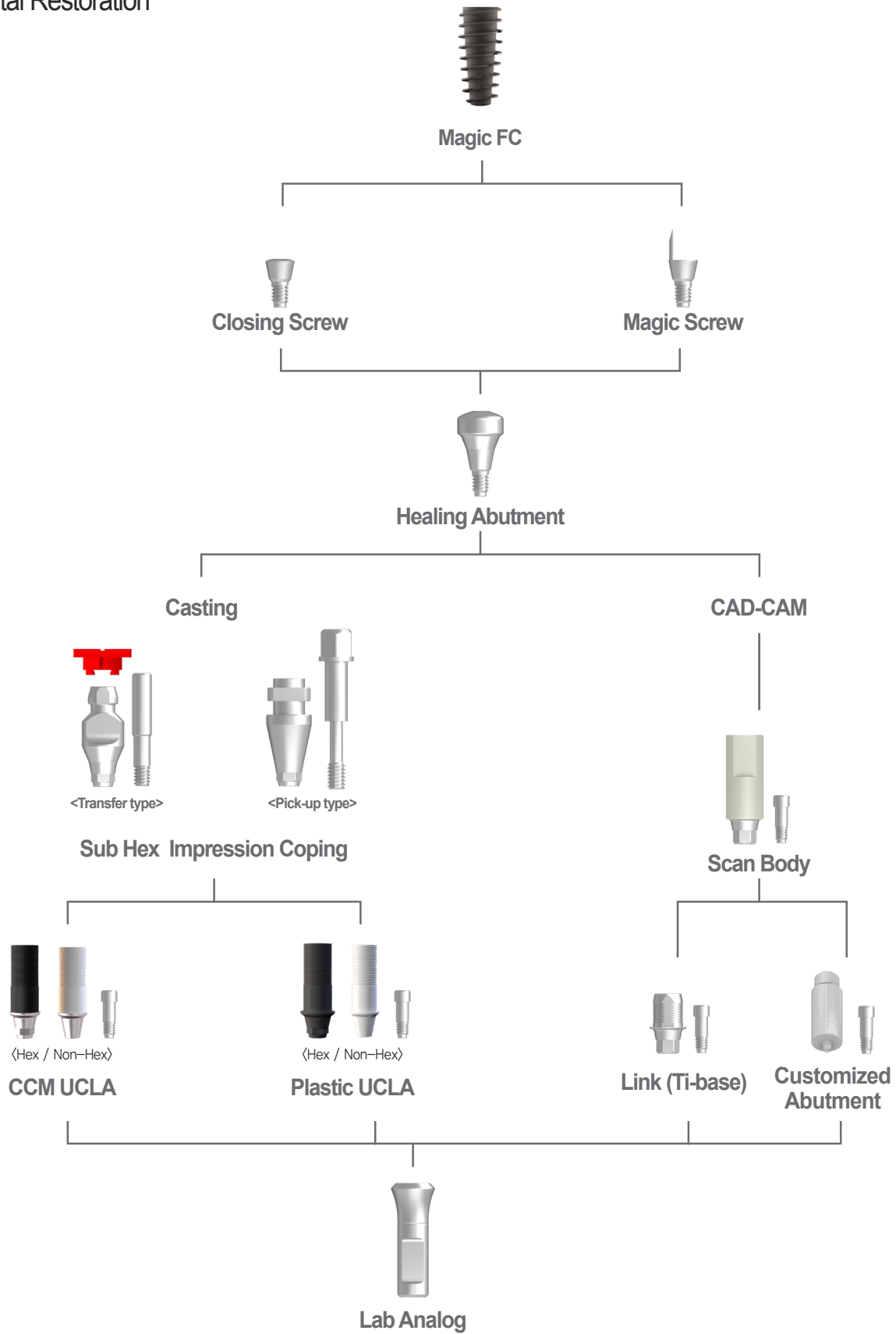
IBS Prosthetic System

Screw-retained Prosthetics:

UCLA Abutment

Digital Restoration

Magic FC



IBS Prosthetic System

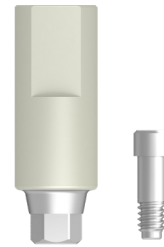
☐ Magic FC CAD/CAM Components

- ※ CAD/CAM Components
- ※ Link library available in 3shape and EXOCAD

• Abutment Screw (OIAS400) included

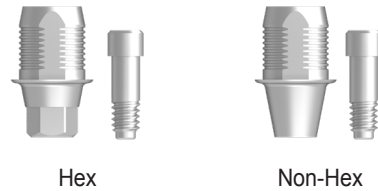
Magic FC Scanbody

Code
FSB



Magic FC Link (Ti-base)

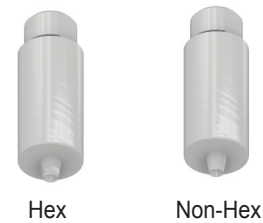
Type	Code
Hex	FLH45
Non-Hex	FLN45



Customized Abutment

[Unit:mm]

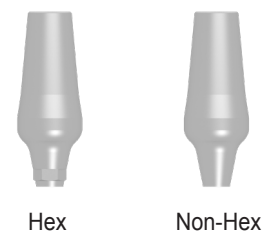
Diameter	Length	Code	
		Hex	Non-Hex
Ø10.0	20	FCH1020A1	FCN1020A



Milling Abutment

[Unit:mm]

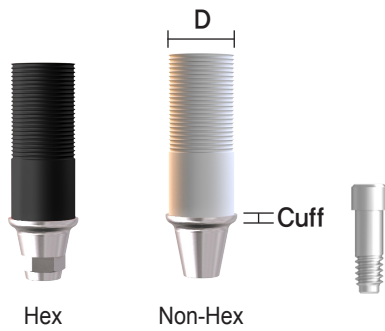
Diameter	Length	Code	
		Hex	Non-Hex
Ø4.5	2	FMAH4521	FMAN452
	4	FMAH4541	FMAN454
Ø5.5	2	FMAH5521	FMAN552
	4	FMAH5541	FMAN5541
Ø6.5	2	FMAH6521	FMAN6521
	4	FMAH6541	FMAN6541



MAGIC FC®

UCLA Abutment

- Used for construction of screw retained prosthetics or custom abutment
- Requires the use of dental alloys with lower melting ranges
- Tighten with 1.2 Hexa driver (25N~30N/cm)
- Abutment Screw (OIAS400) included

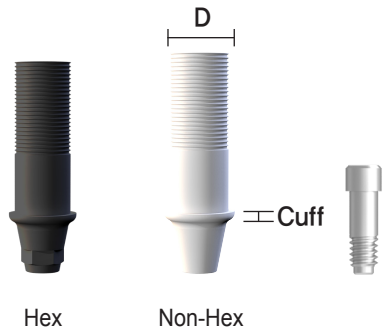


CCM Type

[Unit:mm]

Diameter	Cuff	Code	
		Hex	Non-Hex
Ø4.0	1	FUCH 4001	FUCN 4001
Ø4.5		FUCH 4501	FUCN 4501

- Used for construction of screw retained prosthetics or custom abutment
- All plastic design allows for the use of base alloys
- Tighten with 1.2 Hexa driver (25N~30N/cm)



Plastic Type

[Unit:mm]

Diameter	Cuff	Code	
		Hex	Non-Hex
Ø4.0	1	FUPH 4001	FUPN 4001
Ø4.5		FUPH 4501	FUPN 4501

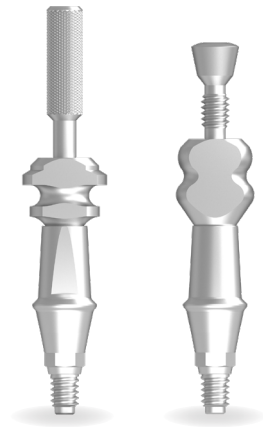
MEMO

caution : Not all model listed in the brochure are licensed in accordance with Canadian law.
The IBS abutments and accessories are only intended to be used with the IBS implants.



Different But, Better

MAGIC ABUTCOPING



1 Superior impression accuracy due to impression taken directly with final abutment

2 Multifunctional and Superior Impression Coping Mechanisms

-4 in 1 function

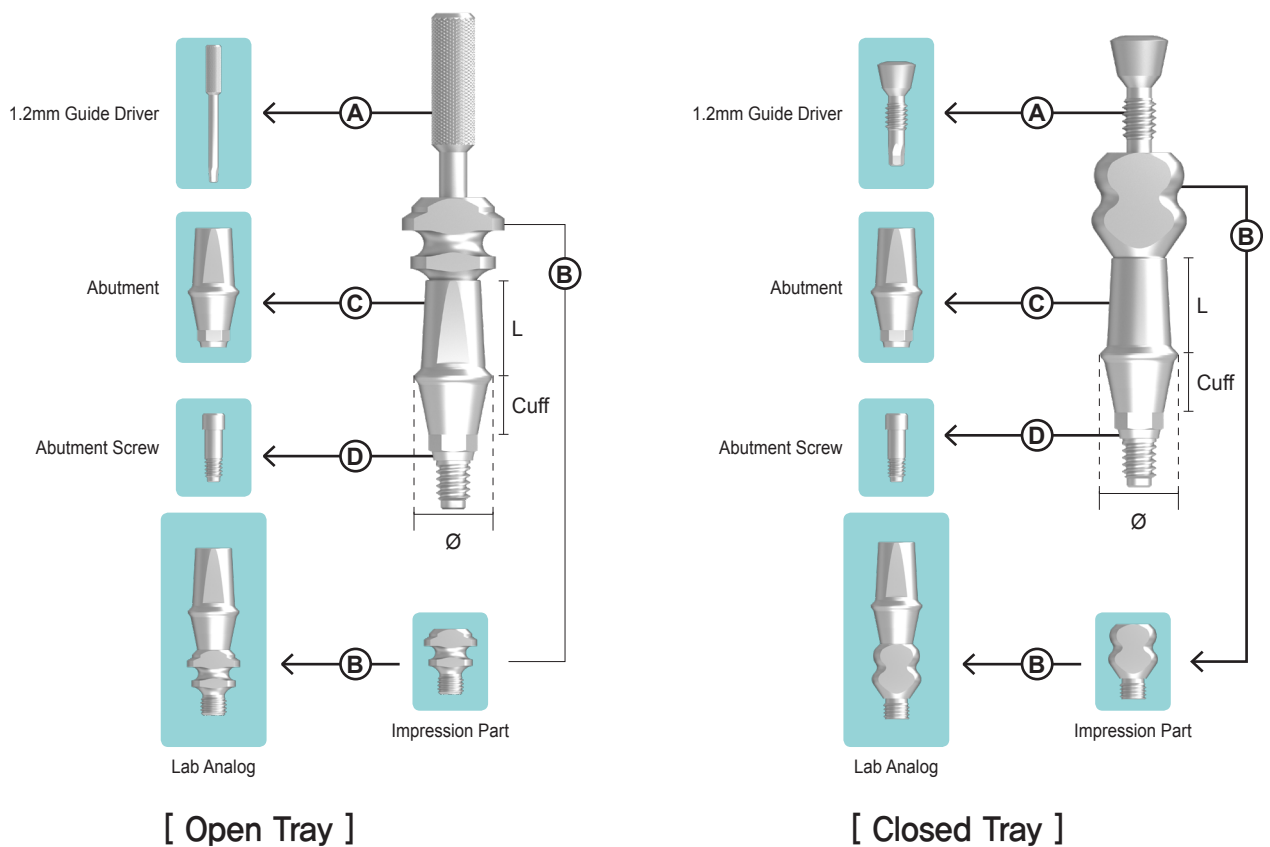
(Abutment + Lab analog + Impression coping + Anti-screw loosening)

MAGIC ABUTCOPING

MAGIC ABUTCOPING

Features

1. Simplified process and precise impression
2. Convenient cuff selection according to patient's gingiva condition to address aesthetics
3. Economical as single product has 4 functions
(Abutment + Lab analog + Impression coping + Anti-screw loosening)



Ⓐ 1.2mm Guide Driver

- Functions as both an abutment screw driver and anti-screw loosening device that rests inside of the final abutment

Ⓑ Impression Part

- Functions as impression and as lab analog

Ⓒ Abutment + Ⓓ Screw

- Pair Abutment with abutment screw

MAGIC ABUTCOPING

Magic Abutcopying

[Unit:mm]

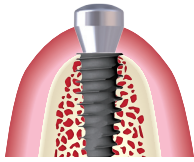
ØDiameter	Height		Cuff	Code			
				Pick-up Type(Open-tray Impression)		Transfer Type(Closed-tray Impression)	
				4	5.7	4	5.7
Ø 4.0			1	OSH 4014PA	OSH 4016PA	OSH 4014TA	OSH 4016TA
			2	OSH 4024PA	OSH 4026PA	OSH 4024TA	OSH 4026TA
			3	OSH 4034PA	OSH 4036PA	OSH 4034TA	OSH 4036TA
			4	OSH 4044PA	OSH 4046PA	OSH 4044TA	OSH 4046TA
Ø 4.5	4	5.7	1	OSH 4514PA	OSH 4516PA	OSH 4514TA	OSH 4516TA
			2	OSH 4524PA	OSH 4526PA	OSH 4524TA	OSH 4526TA
			3	OSH 4534PA	OSH 4536PA	OSH 4534TA	OSH 4536TA
			4	OSH 4544PA	OSH 4546PA	OSH 4544TA	OSH 4546TA
Ø 5.5			1	OSH 5514PA	OSH 5516PA	OSH 5514TA	OSH 5516TA
			2	OSH 5524PA	OSH 5526PA	OSH 5524TA	OSH 5526TA
			3	OSH 5534PA	OSH 5536PA	OSH 5534TA	OSH 5536TA
			4	OSH 5544PA	OSH 5546PA	OSH 5544TA	OSH 5546TA
Ø 6.5			1	OSH 6514PA	OSH 6516PA	OSH 6514TA	OSH 6516TA
			2	OSH 6524PA	OSH 6526PA	OSH 6524TA	OSH 6526TA
			3	OSH 6534PA	OSH 6536PA	OSH 6534TA	OSH 6536TA
			4	OSH 6544PA	OSH 6546PA	OSH 6544TA	OSH 6546TA

MAGIC ABUTCOPING

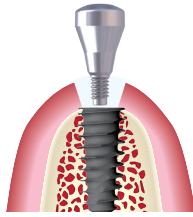
Procedure Manual for Magic Abutcopying (Pick-up Type)

Clinic

1

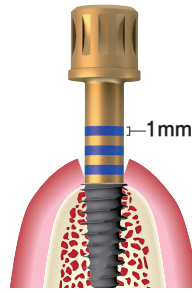


2



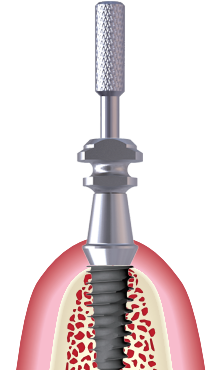
Remove healing abutment after soft tissue is healed. (2-3 weeks after second surgery)

3



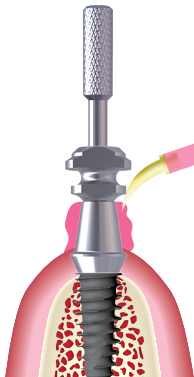
Measure gingiva thickness by using a mount driver. Tighten the impression part of the Magic Abutcopying by turning it clockwise before attaching it to the fixture.

4



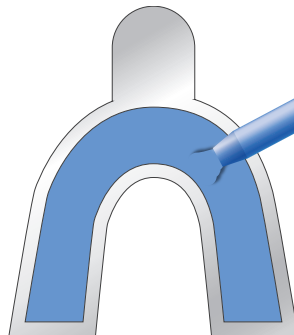
Choose suitable Abutcopying cuff height with consideration to patient's gingiva thickness and attach to fixture. (Verify the connection between Abutcopying and fixture by taking X-ray)

5



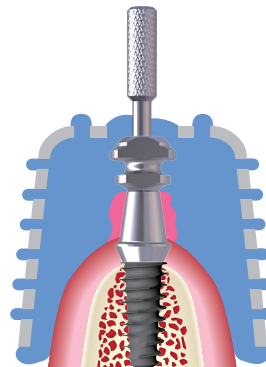
Apply impression material (light body) on gingiva and adjacent teeth.

6



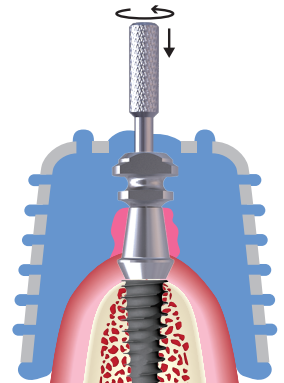
Apply impression material (heavy body) on open tray.

7



Take impression by applying certain pressure on the tray around the region. (Pressure should be exerted from soft palate to hard palate)

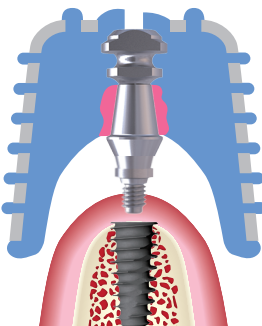
8



After material has hardened, loosen abutment screw by using 1.2 guide driver.

As shown in the figure, loosen the abutment screw using the 1.2 Guide Driver and detach the abutment from the fixture. The detachment can be confirmed by a "click" sound.

9

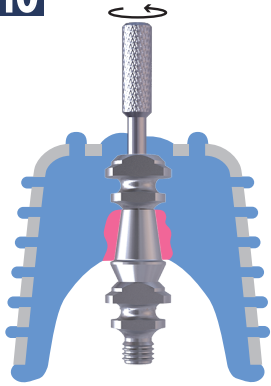


After impression material is completely hardened, remove tray with care.

MAGIC ABUTCOPING

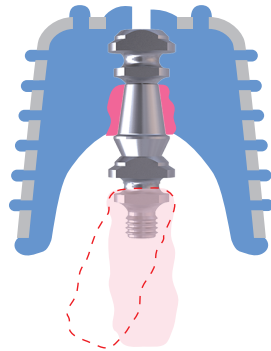
Laboratory

10



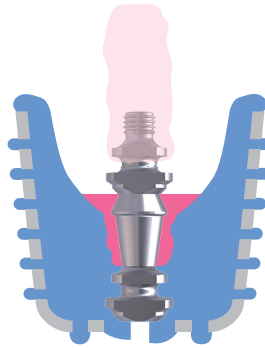
Connect impression part (the one used previously) to the abutment by using 1.2 guide driver. Impression part can be reused as lab analog, because it has the same inner connection as the fixture.

11



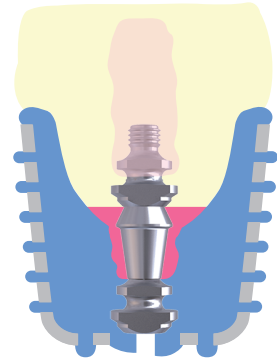
Because the length of the impression part is relatively short, extend its length by using laboratory resin.

12



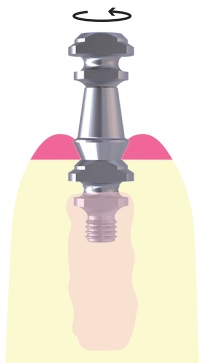
Apply separating medium on impression material. Make artificial soft tissue using silicon.

13



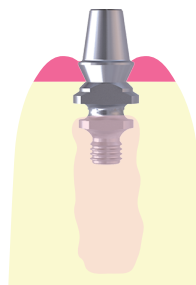
Pour stone.

14



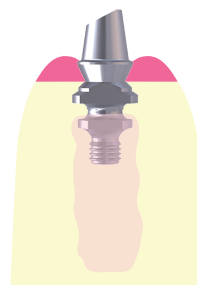
Remove the tray and detach the impression part (Turn counter clockwise to unscrew it).

15



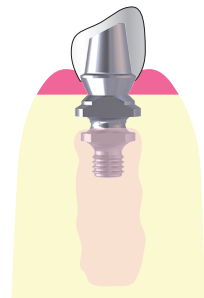
Complete working cast.

16



Mill the abutment, considering crown to be made.

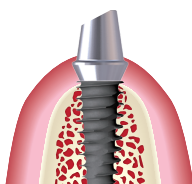
17



Completed Crown fabrication

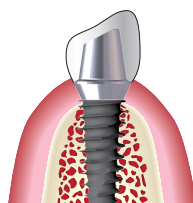
Clinic

18



Connect abutment

19



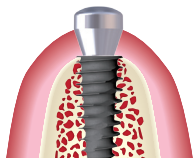
Temporary crown setting (About 6 months recommended)

MAGIC ABUTCOPING

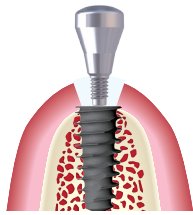
Procedure Manual for Magic Abutcopying (Transfer Type)

Clinic

1

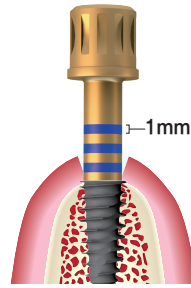


2



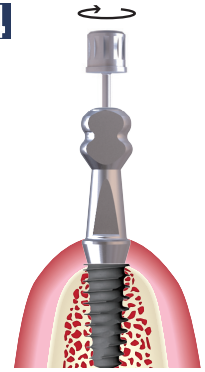
Remove healing abutment after soft tissue is healed (2-3 weeks after second stage surgery).

3



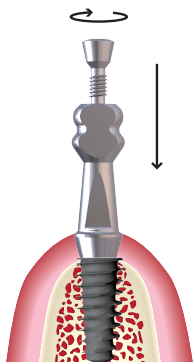
Measure gingiva thickness by using a mount driver. Tighten the impression part of the Magic Abutcopying by turning it clockwise before attaching it to the fixture.

4



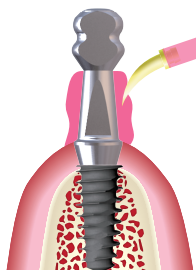
Choose suitable Abutcopying cuff height with consideration to patient's gingiva thickness and attach to fixture.

5



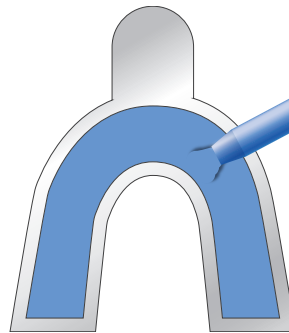
Attach 1.2 guide pin.

6



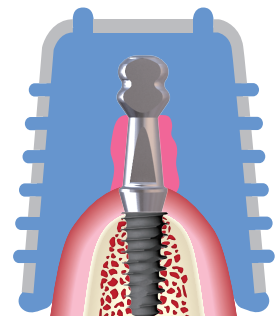
Apply impression material (light body) on gingiva and adjacent teeth

7



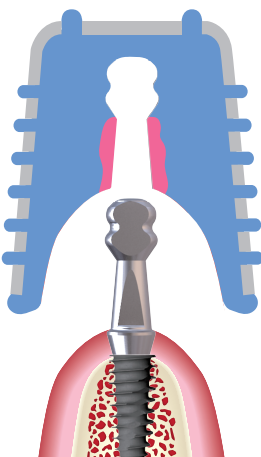
Apply impression material (heavy body) on open tray.

8

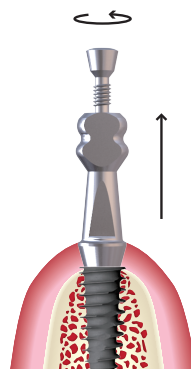


Take impression by applying certain pressure on the tray around the region. Pressure should be exerted from soft palate to hard palate.

9



After material has hardened, carefully remove the tray from abutcopying. Connect healing abutment to the fixture.



Detach 1.2 guide pin.

MAGIC ABUTCOPING

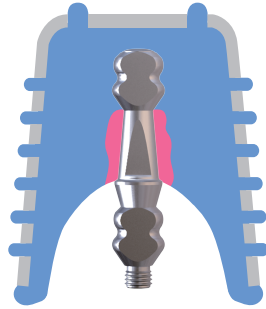
Laboratory

10



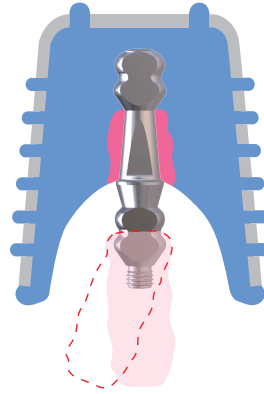
Connect impression part (the one used previously) to the abutment by using 1.2 hexa driver. Impression part can be re-used as lab analog, because it has the same inner connection as the fixture.

11



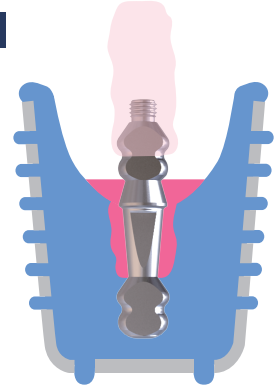
Insert Abut coping back into tray.

12



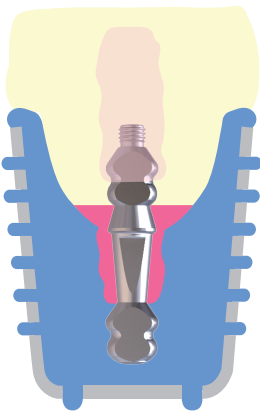
Because the length of impression part is relatively short, extend its length by using laboratory resin.

13



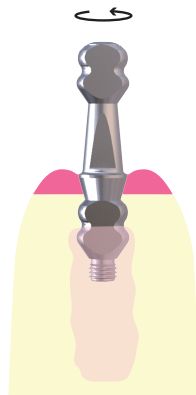
Apply separating medium on impression material
Make artificial soft tissue using silicon

14



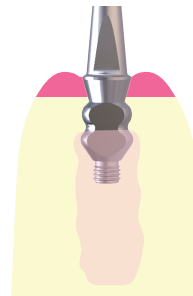
Pour stone.

15



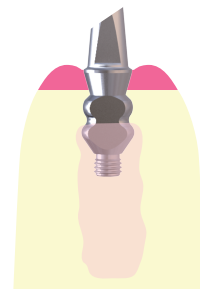
Remove tray, and detach the impression part.
(Turn counter clockwise to unscrew it.)

16



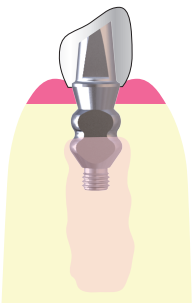
Complete working cast.

17



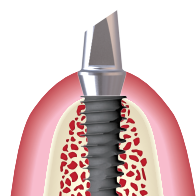
Mill the abutment, considering the crown to be made.

18



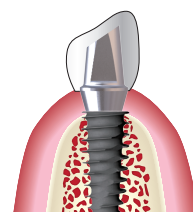
completed crown fabrication

19



Connect abutment.

20



Temporary crown setting
(about 6 months recommended)

Clinic

MAGIC ABUTCOPING

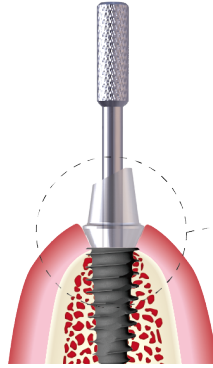
Prevention of abutment screw loosening

1



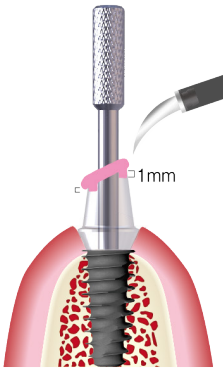
Remove temporarily attached crown and tighten abutment screw. After taking X-ray, tighten with Torque Ratchet (25~30N)

2



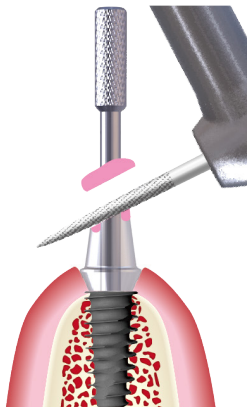
Engage the 1.2 Guide Pin/Driver onto the abutment screw as shown in figure.

3



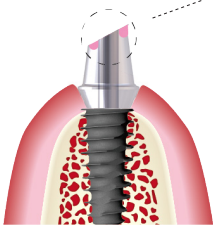
Apply resin into the space between the shaft of the 1.2 Guide Pin/Driver and the inside of the abutment and perform light curing.

4



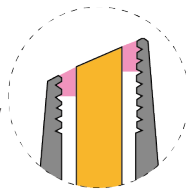
Cut 1.2 guide driver to abutment level with diamond bur.

5



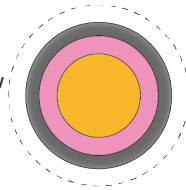
The milled 1.2 Guide Pin/Driver is completely fixed into the hexagon of the abutment screw.

Section View

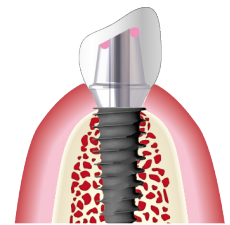


1.2 Guide Driver
Resin
Abutment

Axial View



6



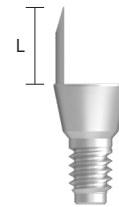
Final crown setting
Loosening of the abutment screw is prevented due to vertical fixation and anti-rotation of the Driver/Pin.

MAGIC SCREW

Magic Screw

[Unit:mm]

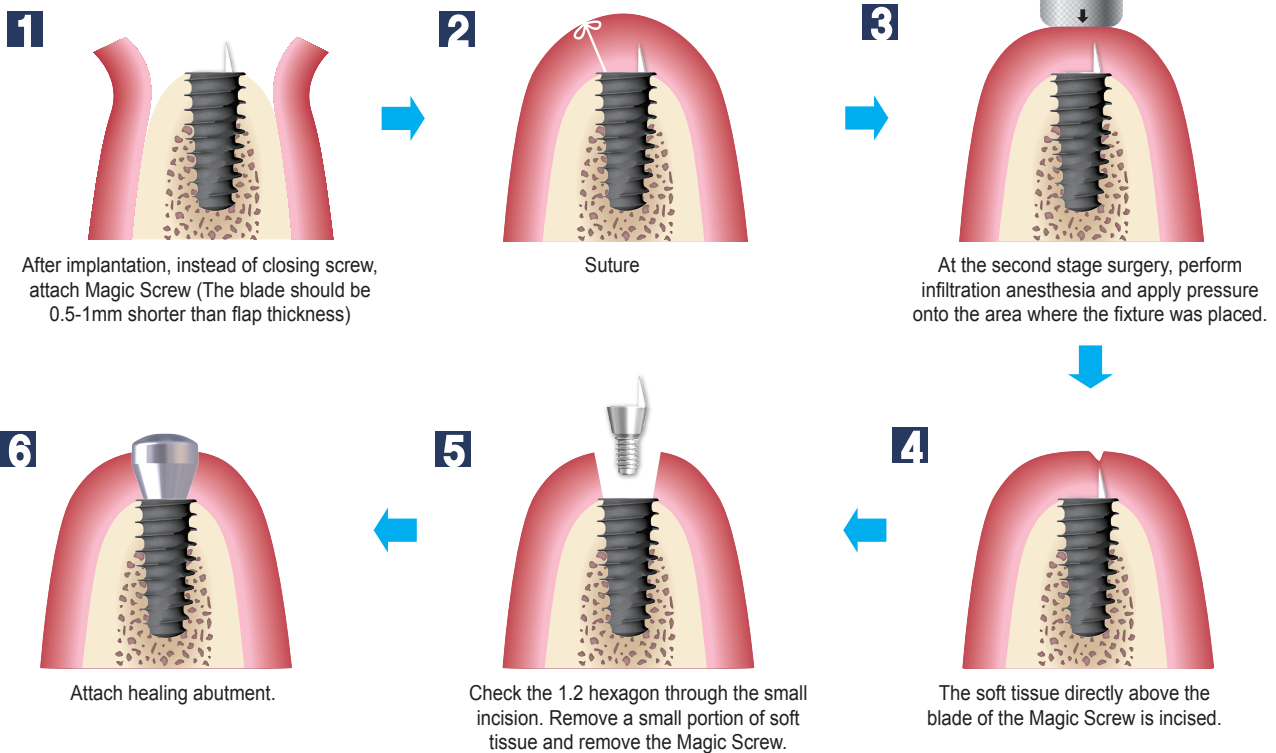
Flap thickness	Length of blade (L)	Code
2mm~2.5mm	1.5	MS 1.5
3mm~3.5mm	2.5	MS 2.5
4mm~4.5mm	3.5	MS 3.5
5mm~More	4.5	MS 4.5



Advantages

- . Minimally invasive
 - Flap reflection is not required in second-stage surgery
- . Simple surgery
 - Only a very small incision is required and suturing is not needed in second surgery
 - Prevention of failure in using 'temporary denture'

How to use

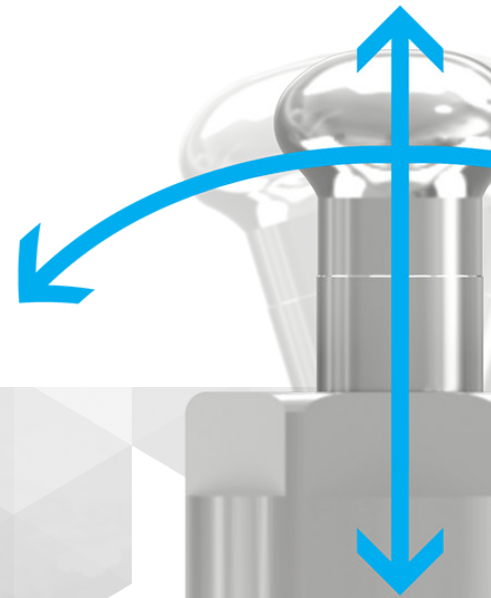




Different But, Better



MAGIC MOTION[®]



- 1** Complete Denture possible with only 2 implants mandible or maxilla.
- 2** More convenient treatment procedure
- 3** Long-lasting, easy maintenance, and sufficient retention force
- 4** Prevention of denture damage
- 5** Less force imposed onto implant resulting in better implant and bone health

MAGIC OVERDENTURE SYSTEM

MAGIC MOTION®

Advantages

.A. Reduced chair time and easier procedure

- Requires less surgical time as only two narrow fixtures are placed with one drill regardless of location, maxillary or mandibular.
- Dentures attached to housings are completed at the dental lab and exclude the need to fix them separately in the clinic.
- Use of undercut retention obtains moderate retaining force, lengthens change periods, and shortens chair time.

.B. Prevention of fixture failure

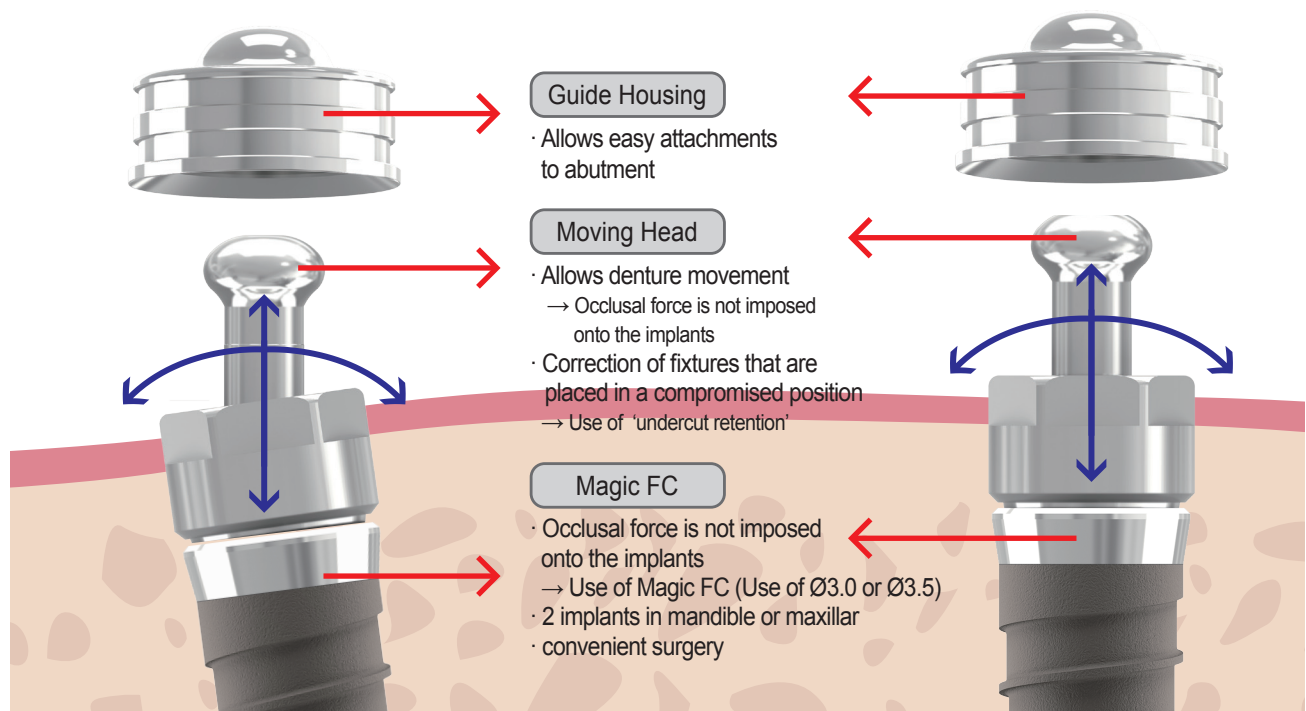
- The abutment does not hinder the (up and down or sliding) movement of denture during occlusion, preventing occlusal force from being imposed onto the fixtures.
- Patients become aware when denture needs relining, leading to better maintenance and overall condition of denture system.

.C. Correction of fixtures placed in wrong direction

- Inaccurate placement direction is compensated by the abutment and housing attachment design and undercut retention function is maintained.

.D. Prevent denture damage

- Stress is dissipated onto the soft tissue. Thus, denture housing is not damaged over time.



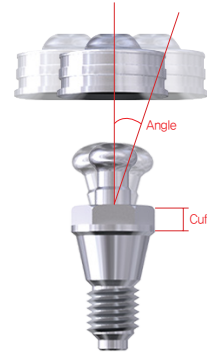
MAGIC OVERDENTURE SYSTEM

MAGIC MOTION®

Magic Motion (Magic FC)

[Unit:mm]

Angle	Cuff	Code
8 °	1	M4108
	2	M4208
	3	M4308
	4	M4408
	6	M4608



■ Custom Order : Angle 12°

• Magic Motion Housing & O-ring (MMRO) included

Moving head angle according to color

■ Angle 8 ° / ■ Angle 12 °

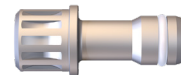
Magic Motion Housing & O-rings



Code

MMRO

Magic Motion Driver



Code

MDR

Magic Motion O-ring (Lab)



Code

MMOR

Magic Motion O-ring (Clinic)



Code

MMOB

MAGIC OVERDENTURE SYSTEM

MAGIC MOTION®

■ IBS Overdenture Experimental Analysis

1. Strong durability allows long term usage

Compressive Load Test

(Unit:N)

Code	Standard	1	2	3	4	5	judgement
Abutment : MM5008 Fixture : IBS3011	More than 330	884.4	1003.0	831.5	541.2	569.3	P

* P:Pass , F:Fail , N/A:Not Applicable

A thesis entitled 'Compressive Study on Masticatory Pressure of Natural Teeth and Artificial Teeth' states that the maximum shearing compressive load is 300N. The average shearing compressive load of IBS implant's Magic Motion measured 5 tests results in 755N, which attests that our Magic Motion outlasts other competitor's overdenture products thanks to its strong durability.

2. Optimal retention force is possible

Retention test

(Unit:N)

Company	IBS Magic Motion	'O-ring' from A brand	'Locator' from B brand
average retention force	7	4	9

IBS Magic Motion is optimized to have a retaining force of 7N, which enables both appropriate retention and easy mounting / dismounting.

■ Precaution of IBS Overdenture System

• A. Silicon O-ring can be frequently damaged if:

- 1) Housing is not placed parallel to each other
- 2) When placement angulation is greater than the angle of movement allowed by moving head
- 3) When housing is placed into denture too deep that it is not precisely attached

• B. Denture can be loose if the denture base does not properly fit the soft tissue of edentulous area.

• C. Denture may not attach to the attachment if the housing is placed too deep within the denture.

MAGIC OVERDENTURE SYSTEM

MAGIC MOTION®

Guide Housing Positioner KIT

Guide Housing Positioner Kit



Code
GHP

- Developed to attach denture to guide housing more effectively.
- Allows for improved precision and convenience in production of dentures and accurate placement of attachments and housing within the denture.
- The table below indicates components provided in a single Kit.

Guide Housing Position Body (HB) 1,2,3,4,6 Cuff 2 EA.	Guide Housing Positioner Angle (HA) 0,2,4,6,8,10 ° 2 EA.	Guide Housing Positioner Driver (SD05) 1 EA.	Resin Protector (RP) 2 EA.

Code	HA0	HA2	HA4	HA6	HA8	HA10	SD05
Quantity	2	2	2	2	2	2	1
Code	HB1	HB2	HB3	HB4	HB6	RP	Option
Quantity	2	2	2	2	2	2	

Guide Housing Positioner Kit Components

Guide Housing Positioner Body [Unit:mm]

Cuff	Code
1	HB1
2	HB2
3	HB3
4	HB4
6	HB6

Guide Housing Positioner Angle [Unit:mm]

Cuff	Code
0°	HA0
2°	HA2
4°	HA4
6°	HA6
8°	HA8
10°	HA10

Guide Housing Positioner Driver

Code
SD05

Resin Protector

Code
RP

MAGIC OVERDENTURE SYSTEM

MAGIC MOTION®

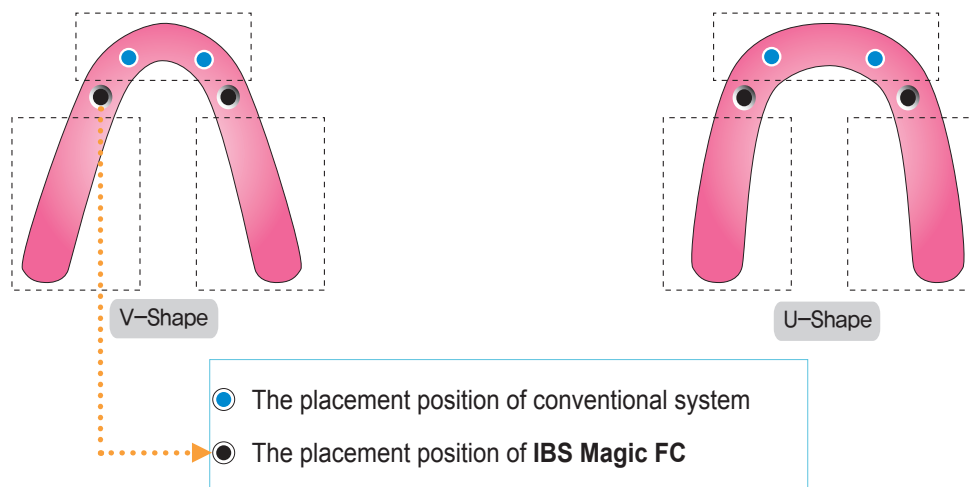
Procedures for Magic Motion

① Placement of Magic FC

- Place 2 fixtures parallel to each other, maxillar and mandibular
 - Mandibular: Ø3.0 9mm
 - Maxillar: Ø3.0 11mm or Ø3.5 9mm
- Location: Cuspid or 1st premolar

② Proper location of Implant Placement

- The location of the fixture should be determined so that the amount of edentulous area is well balanced in all directions around the implant site.
- **Implant & Soft tissue support** → Fixtures are placed towards the anterior to reduce implant support
- **Soft tissue support (Magic Motion)** → Fixtures are placed towards the posterior tooth to reduce implant support

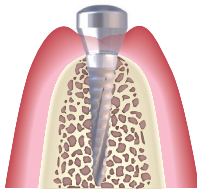


MAGIC OVERDENTURE SYSTEM

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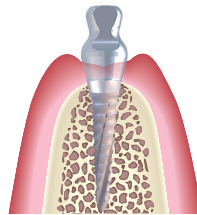
③ Impression taking and working cast (Transfer Type)

1



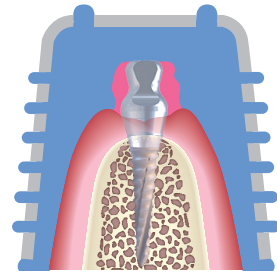
Soft tissue healed after second stage surgery.

2



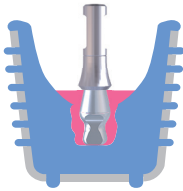
Connect impression coping.

3



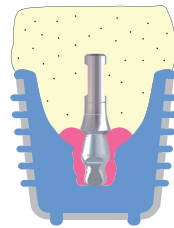
Take impression with impression material.

4



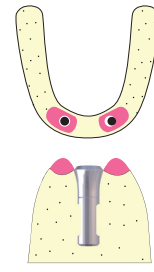
Connect lab analog with impression coping and insert back into tray.

5



Pour stone and let harden.

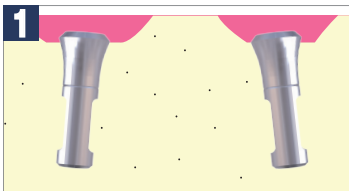
6



Completion of working cast

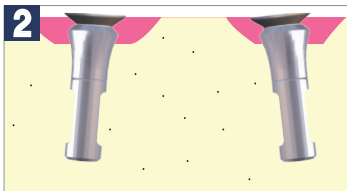
④ To attach the 'Housing' using a 'Positioner'

1



Insert a 'Mount Driver' into the lab analog of the working cast and measure the inclination of the 'Lab analog' and the gingival thickness.

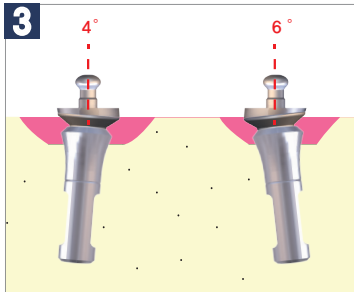
2



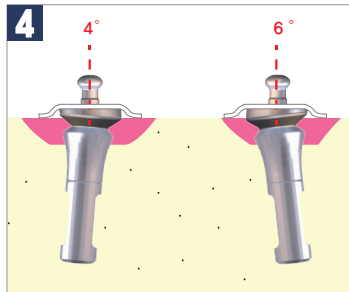
Engage the "positioner body" with the lab analog of the working cast.

MAGIC OVERDENTURE SYSTEM

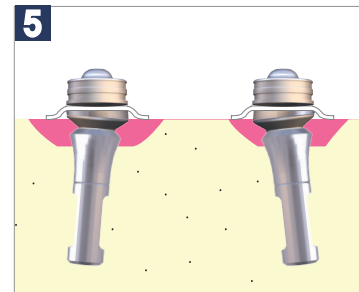
MAGIC MOTION®



Find the positioner angle that is suitable for proper alignment with the housing and connect it to the positioner body.



Engage "Resin Protector".



Connect the 'Housing' and mount the 'Denture'.

⑤ Remove excess 'Resin' left on guide surface of 'Housing' after denture is completed.

⑥ Connect 'Magic Motion Abutment' to the fixture inside the patient's mouth.

- Remove healing abutment from the patient and attach Magic Motion abutment to the fixture at 25~30N.

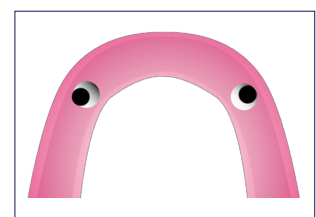
⑦ Diagnose denture attachment and condition **(IMPORTANT)**

1) Make sure 'direction of housing' is parallel.

: Visually check the inside of denture and make sure housing is attached in the same direction.

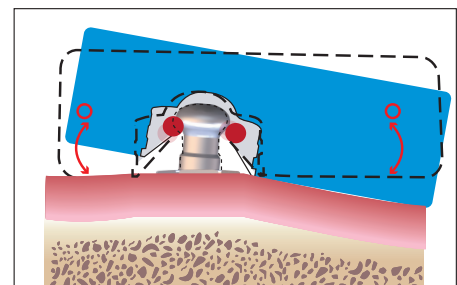


(1) Housing attached parallel



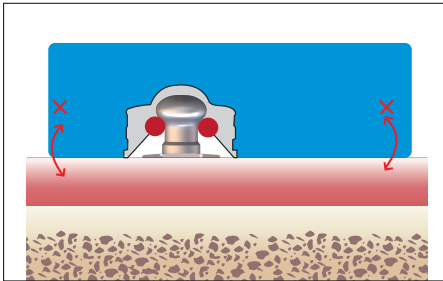
(2) Housing attached NOT parallel

2) Attach the denture and check for any movement of the denture by alternating pressure onto the anterior and posterior parts of the denture. If the denture base is not properly seated onto the edentulous area, the denture will tend to move in a "rocking" motion. Reline the base of the denture to ensure a proper fit.



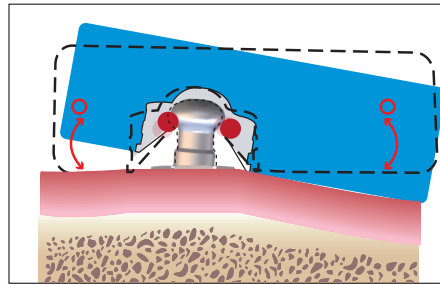
MAGIC OVERDENTURE SYSTEM

⑧ Re-lining period must be explained to the patients **(IMPORTANT)**



The beginning period after overdenture treatment
(In perfect fit with soft tissue)

► Denture does not move.



Alveolar bone resorption takes place after about 1 year
(The denture base is not properly seated onto the soft tissue)

► The denture moves.

■ Diagnosis and Treatment according to Chief Complaints by Patient

- Denture comes off during eating → Retention loss → replace O-rings.
- Denture feels loose → Stability loss → Re-lining is needed.
- Silicon ring is frequently damaged → Housing Positioner was not used.

Global Network

IBS Implant is recognized around the world for its innovation in implantology and excellence in quality of products and services



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Different but Better



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