

SuperLine & Implantium II
Product/Manual Catalog

SuperLine & Implantium II Product Catalog SIPMO-1605 [Rev.1]

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Product/Manual Catalog

Dentium
For Dentists By Dentists

Specifications are subject to change without notice.
Some products listed in this catalog are not available in the market due to pending approval.

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SIPMO-1605 [Rev.1]

for Overseas

Dentium
For Dentists By Dentists

SuperLine & Implantium II

*A New Choice
For the Customer*

Dentium
For Dentists By Dentists

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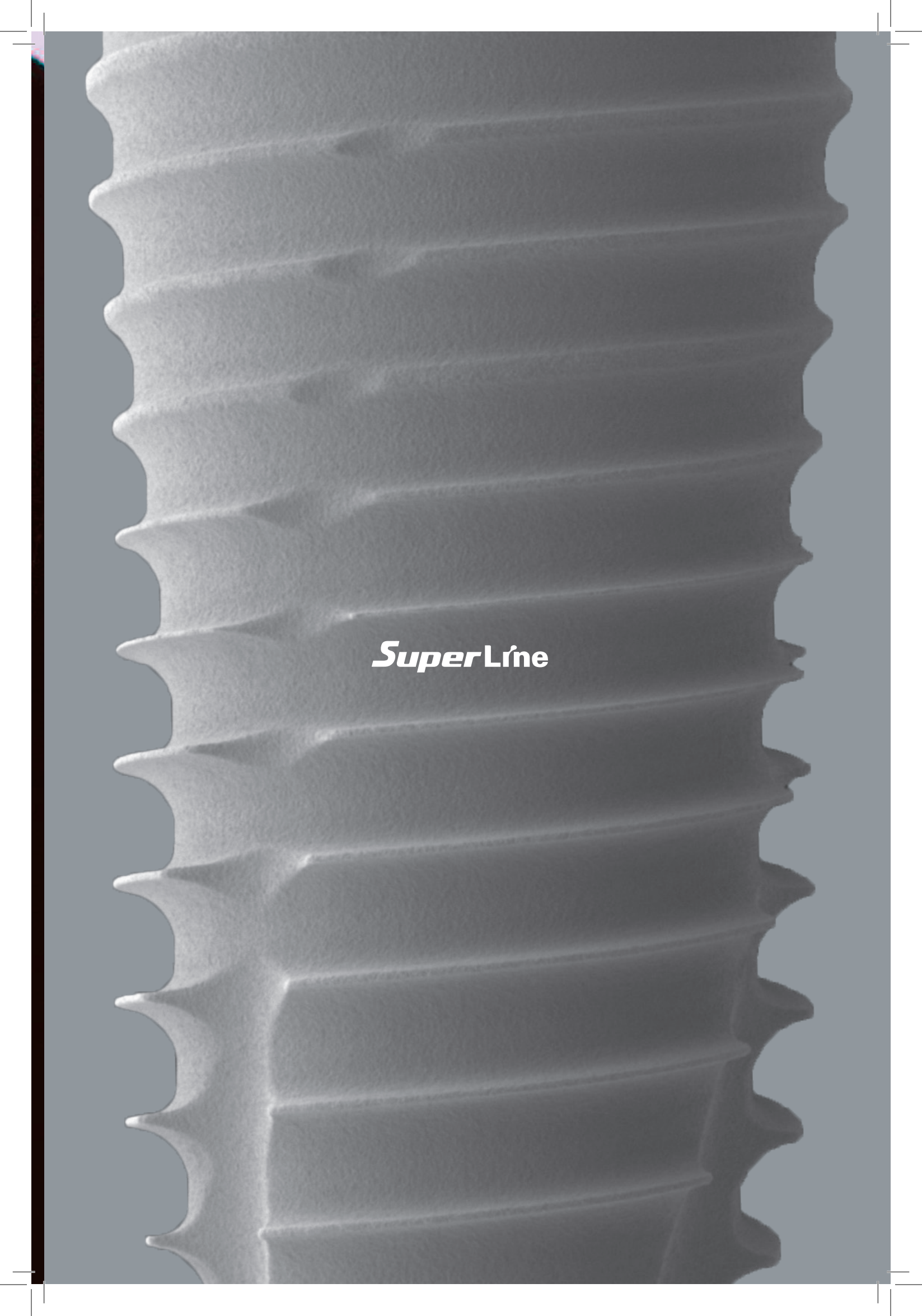


S.L.A. Surface

S.L.A. (Sandblasting with large grit and acid etching)

- Higher bone-to-implant contact.
- Faster bone formation on the surface.

In vivo test

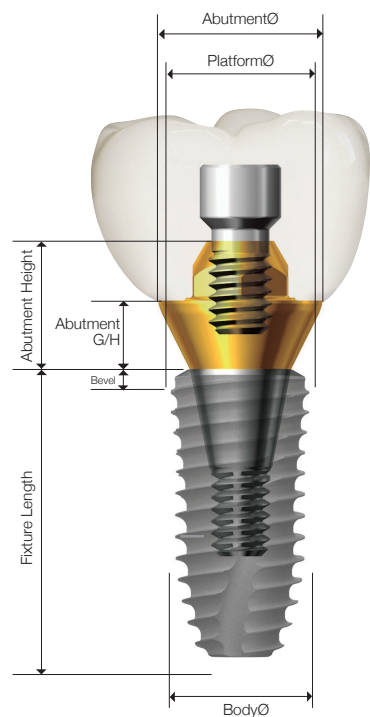
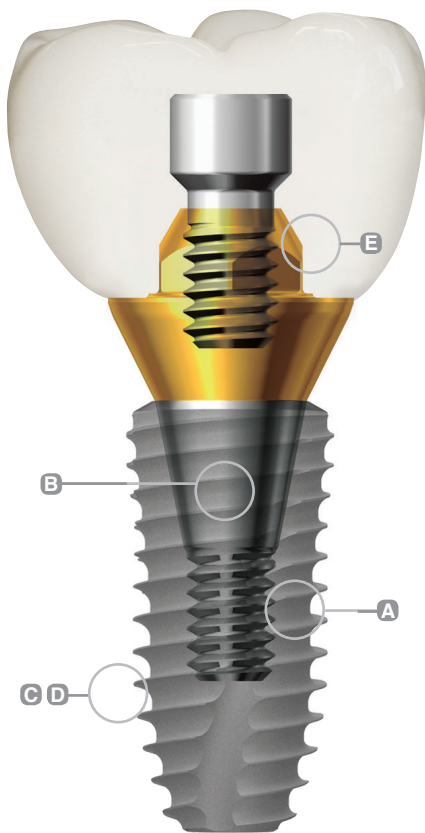


SuperLíne

SuperLine Characteristics

"Immediate Implantation with Excellent Bone Response"

- Higher stabilization in extraction socket
- Early loading in upper posterior
- Harmony with anatomy
- Sharp & fast insertion



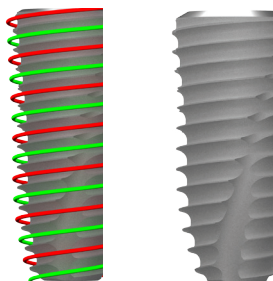
Selection Guideline

Ideal emergence profile for each tooth



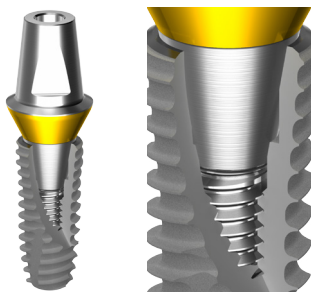
SuperLine Characteristics

A Double-threaded Design & Extended Cutting Edge



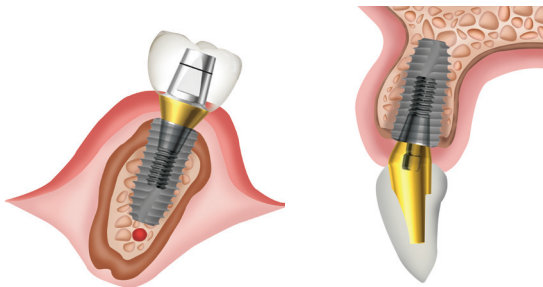
- Improved self-tapping ability
- Allows more control over the depth of fixture placement
- Alleviates the occurrence of over-torque during placement in dense bone
- Sharpened thread design promotes better initial stability in soft bone
- Easy & fast insertion can be done due to double threaded straight body design

B Biological Connection



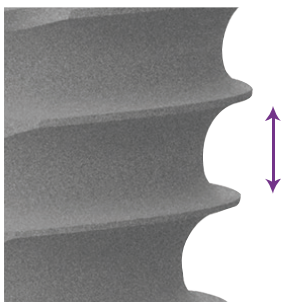
- The conical hex connection between implant and abutment interface ensures hermetic sealing.
- The biologic connection distributes the load to the fixture evenly. Therefore it helps minimize micro-movement and marginal bone loss.
- All implant diameters share the same internal hex.

C Tapered Design



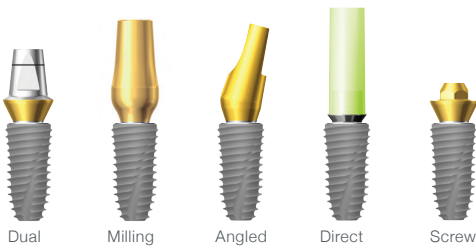
- Tapered design may harmonize with surrounding bone anatomically.
- An ideal design for greater stability during sinus surgeries.

D Osseointegration



- The greater distance between the threads may promote early osseointegration

E Prosthesis

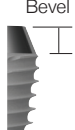


- One abutment screw fits all abutments and fixture platforms.
- Single abutment connection is used for all implant diameters.
- One hex screw driver fits all abutment screws

SuperLine Color Coding by Diameter

Color Coding by Diameter

• Cover screw is not included. (Unit: mm)

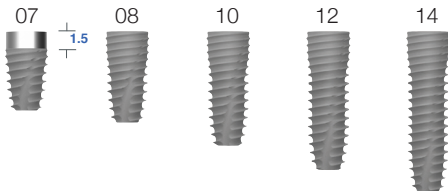
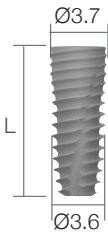
Cap Color							
		Yellow	Green	Blue	Red	Orange	Violet
Fixture SuperLine (Mount Free)							
	PlatformØ Fixture Platform Diameter	3.7	4.0	4.5	5.0	6.0	7.0
	BodyØ Fixture Body Diameter	3.6	4.0	4.5	5.0	5.0	5.8
	L : 7 Fixture Bevel Height	1.5	1.5	1.5	1.5	1.5	1.5
	L : 8, 10, 12, 14 Fixture Bevel Height	0	0.1	0.3	0.4	0.7	1.0

SuperLine Fixture

Unit: mm, Scale 1 : 1.5 / mm

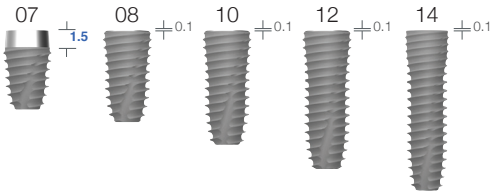
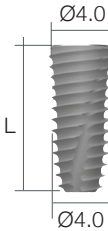
Platform Ø3.7 | Body Ø3.6

L	Art. No.
7	FXS 36 07
8	FXS 36 08
10	FXS 36 10
12	FXS 36 12
14	FXS 36 14



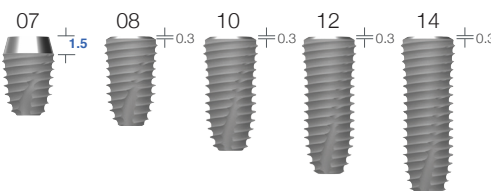
Platform Ø4.0 | Body Ø4.0

L	Art. No.
7	FXS 40 07
8	FXS 40 08
10	FXS 40 10
12	FXS 40 12
14	FXS 40 14



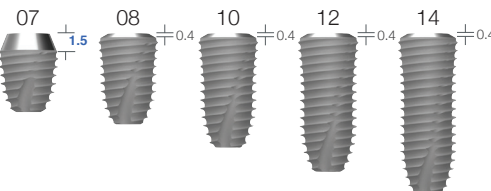
Platform Ø4.5 | Body Ø4.5

L	Art. No.
7	FXS 45 07
8	FXS 45 08
10	FXS 45 10
12	FXS 45 12
14	FXS 45 14



Platform Ø5.0 | Body Ø5.0

L	Art. No.
7	FXS 50 07
8	FXS 50 08
10	FXS 50 10
12	FXS 50 12
14	FXS 50 14



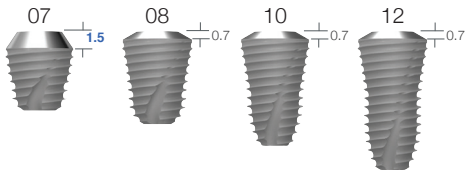
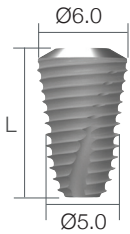
※Note: 1) To prevent damage to the Implant driver or fixture, do not over torque during fixture insertion

SuperLine Fixture

Unit: mm, Scale 1 : 1.5 / mm

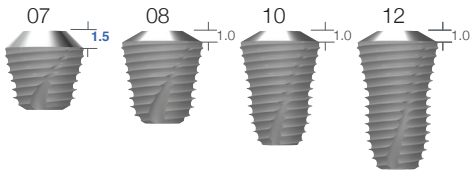
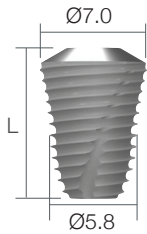
Platform Ø6.0 | Body Ø5.0

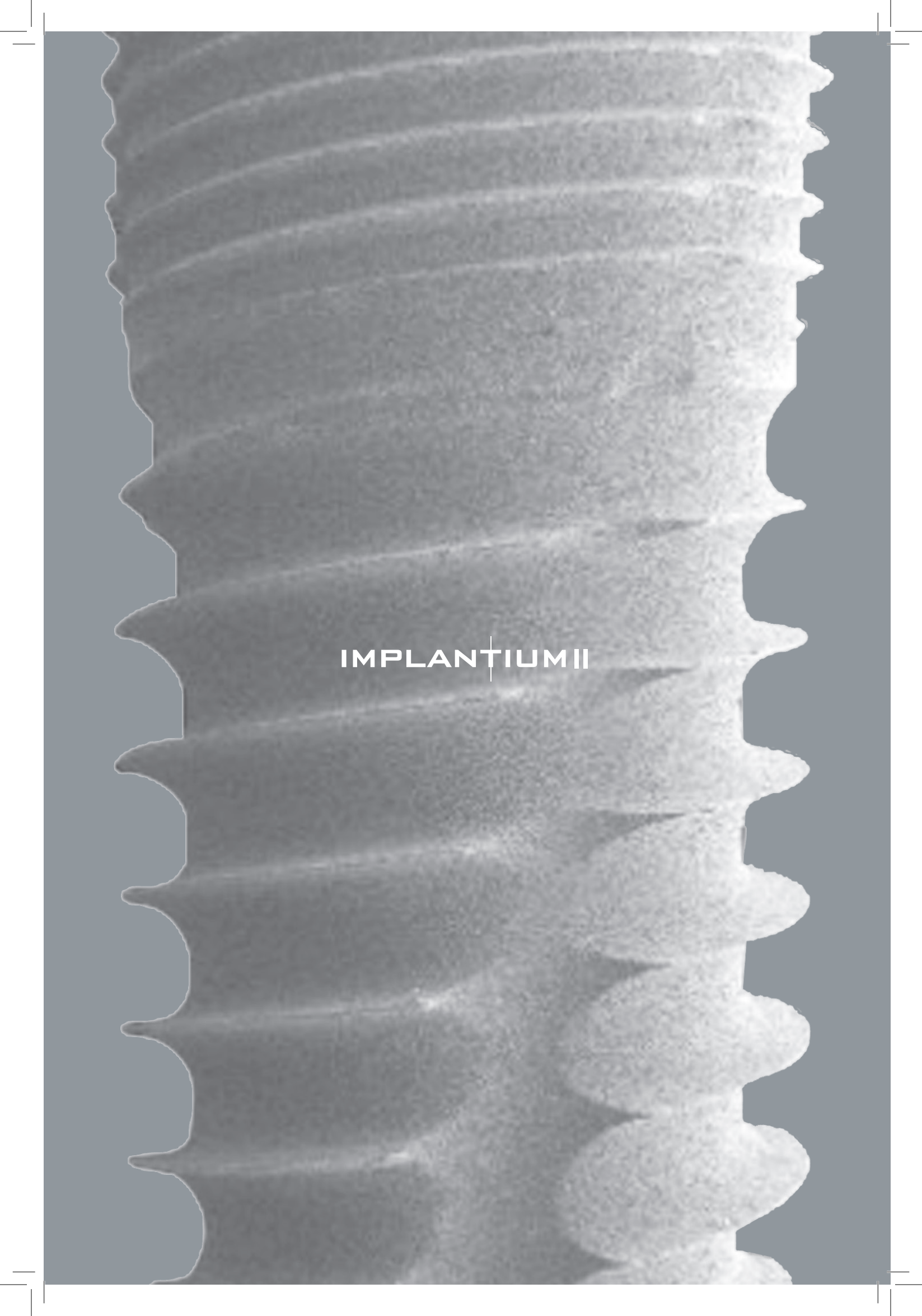
L	Art. No.
7	FXS 60 07
8	FXS 60 08
10	FXS 60 10
12	FXS 60 12



Platform Ø7.0 | Body Ø5.8

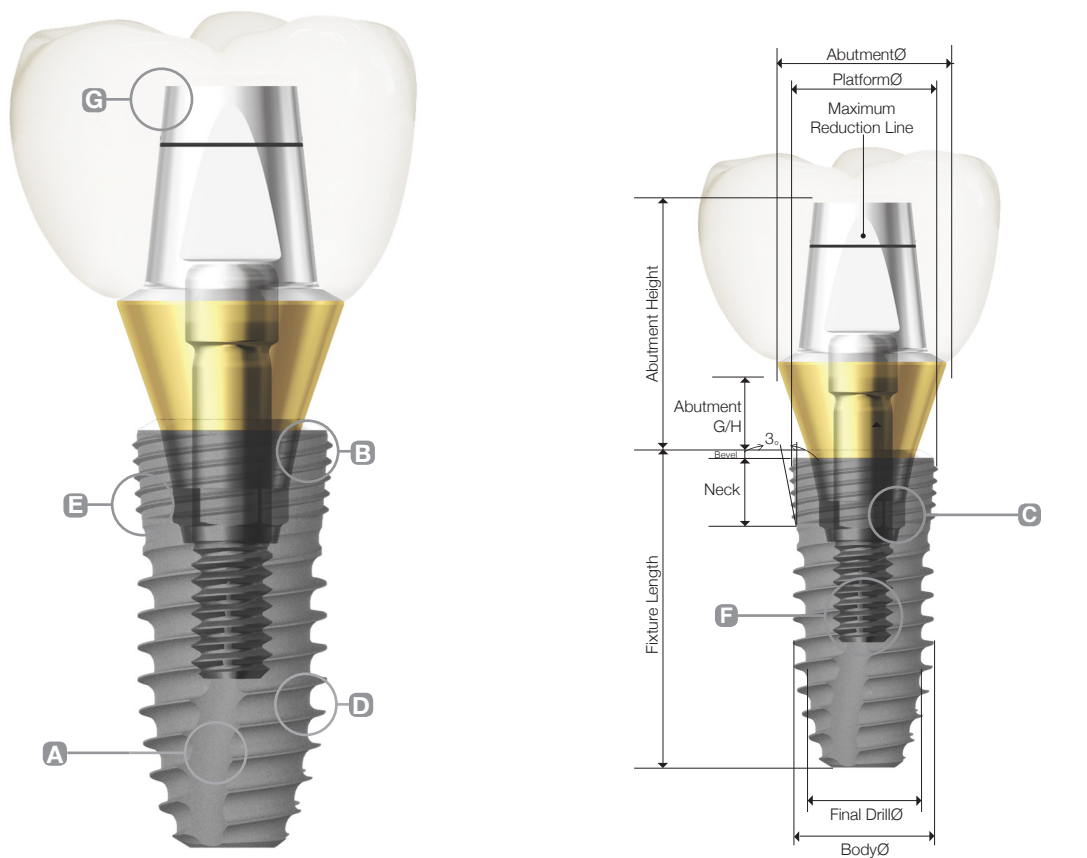
L	Art. No.
7	FXS 70 07
8	FXS 70 08
10	FXS 70 10
12	FXS 70 12





IMPLANTUM II

Implantium II Characteristics



Selection Guideline

Ideal emergence profile for each tooth



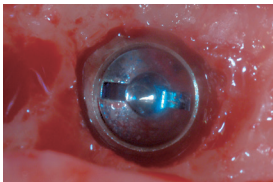
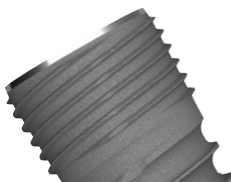
Implantium II Characteristics

A Extended Cutting Edge



- Improved self-tapping ability
- Allows more control over the depth of fixture placement
- Alleviates the occurrence of over-torque during placement in dense bone

B Bacteria Resistant Bevel



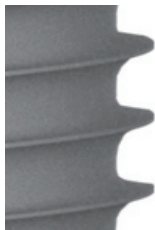
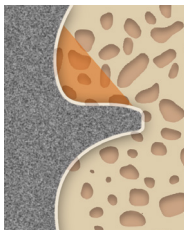
- The tapered bevel platform design may make bone profiling unnecessary at 1st, 2nd surgery.

C Biological Connection



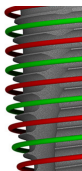
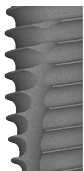
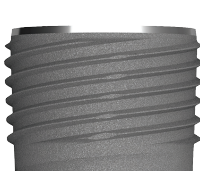
- The conical hex connection between implant and abutment interface ensures hermetic sealing.
- The biologic connection distributes the load to the fixture evenly. Therefore it helps minimize micro-movement and marginal bone loss.
- All implant diameters share the same internal hex.

D Biological Thread



- Thread platform design creates excellent bone to implant contact.
- Threads engage and penetrate bone with ease.

E Quadruple & Double-threaded Design



- Chair time decreased through faster fixture placement

F Optimal Fixation Threads

- Greater advantage for Immediate and Early Loading
- Enhanced initial stability through longer and sharper threading

G Maintained Compatibility

- Prosthetic components and Surgical Kit 100% compatible with the existing Implantium II Implant System

Implantium II Color Coding by Diameter

Color Coding by Diameter

• Cover screw is not included. (Unit: mm)

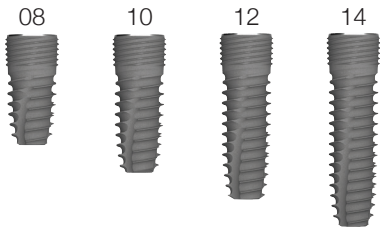
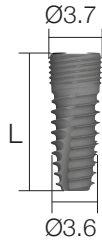
Cap Color					
		Yellow	Green	Blue	Red
Fixture Implantium II (Mount Free)					
	PlatformØ Fixture Platform Diameter	3.7	4.0	4.5	5.0
	BodyØ Fixture Body Diameter	3.6	4.0	4.5	5.0
	Bevel Fixture Bevel Height	0.2	0.1	0.3	0.4

Implantium II Fixture

Unit: mm, Scale 1 : 1.5 / mm

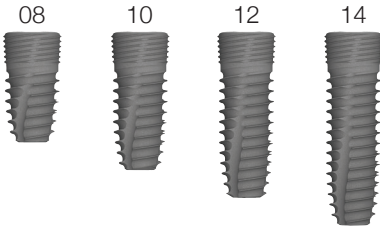
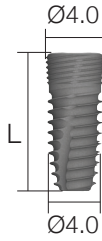
Platform Ø3.7 | Body Ø3.6

L	Art. No.
8	FXI 36 08
10	FXI 36 10
12	FXI 36 12
14	FXI 36 14



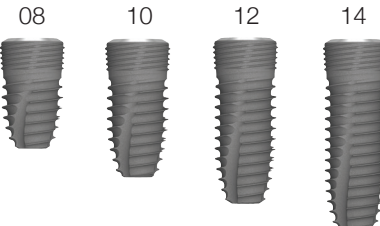
Platform Ø4.0 | Body Ø4.0

L	Art. No.
8	FXI 40 08
10	FXI 40 10
12	FXI 40 12
14	FXI 40 14



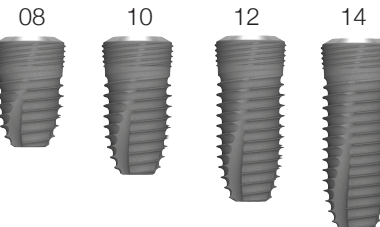
Platform Ø4.5 | Body Ø4.5

L	Art. No.
8	FXI 45 08
10	FXI 45 10
12	FXI 45 12
14	FXI 45 14



Platform Ø5.0 | Body Ø5.0

L	Art. No.
8	FXI 50 08
10	FXI 50 10
12	FXI 50 12
14	FXI 50 14

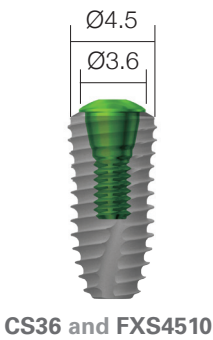


※ Note: 1) To prevent damage to the Implant driver or fixture, do not over torque during fixture insertion

Cover Screw

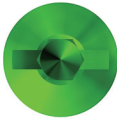
- Single use only

Unit: mm, Scale 1 : 1.5 / mm



Color: Green

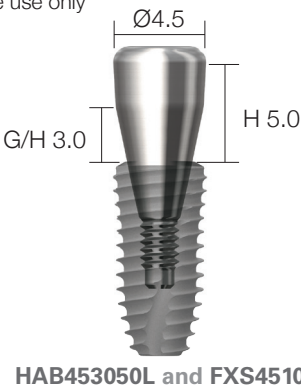
Art. No.	CS36
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Healing Abutment

- Single use only

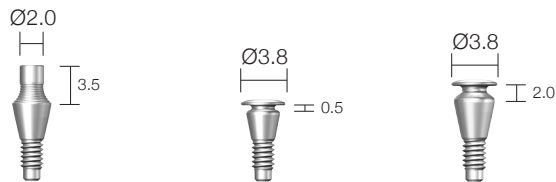
Unit: mm, Scale 1 : 1.5 / mm



※ Hex driver: Use no more than 5N-cm torque when screwing a cover screw to a fixture.
If hex is worn, slot on the head of the product can be used to rotate it.

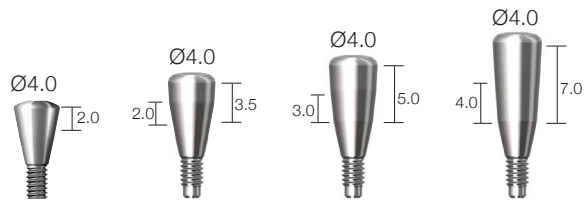
Diameter Ø3.3 / Ø3.8

G/H	Art. No.
3.5	GBHAB 33 35
0.5	GBHAB 38 05
2.0	GBHAB 38 20



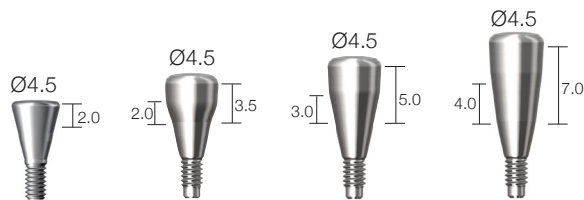
Diameter Ø4.0

G/H	H	Art. No.
2.0	2.0	HAB 40 20 20 L
2.0	3.5	HAB 40 20 35 L
3.0	5.0	HAB 40 30 50 L
4.0	7.0	HAB 40 40 70 L



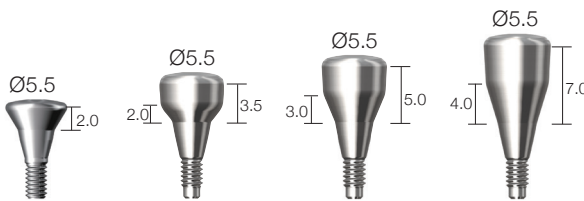
Diameter Ø4.5

G/H	H	Art. No.
2.0	2.0	HAB 45 20 20 L
2.0	3.5	HAB 45 20 35 L
3.0	5.0	HAB 45 30 50 L
4.0	7.0	HAB 45 40 70 L



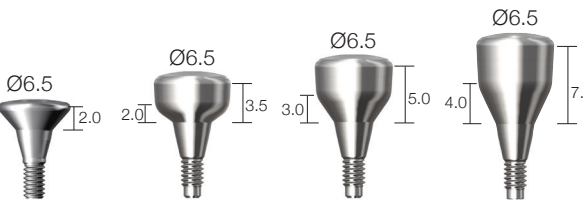
Diameter Ø5.5

G/H	H	Art. No.
2.0	2.0	HAB 55 20 20 L
2.0	3.5	HAB 55 20 35 L
3.0	5.0	HAB 55 30 50 L
4.0	7.0	HAB 55 40 70 L



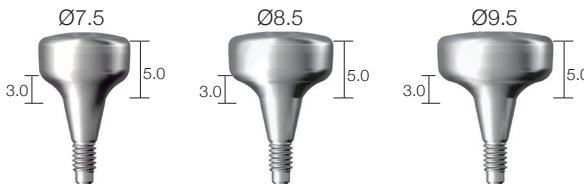
Diameter Ø6.5

G/H	H	Art. No.
2.0	2.0	HAB 65 20 20 L
2.0	3.5	HAB 65 20 35 L
3.0	5.0	HAB 65 30 50 L
4.0	7.0	HAB 65 40 70 L



Diameter Ø7.5 / 8.5 / 9.5

G/H	H	Art. No.
3.0	5.0	HAB 75 30 50 L
3.0	5.0	HAB 85 30 50 L
3.0	5.0	HAB 95 30 50 L

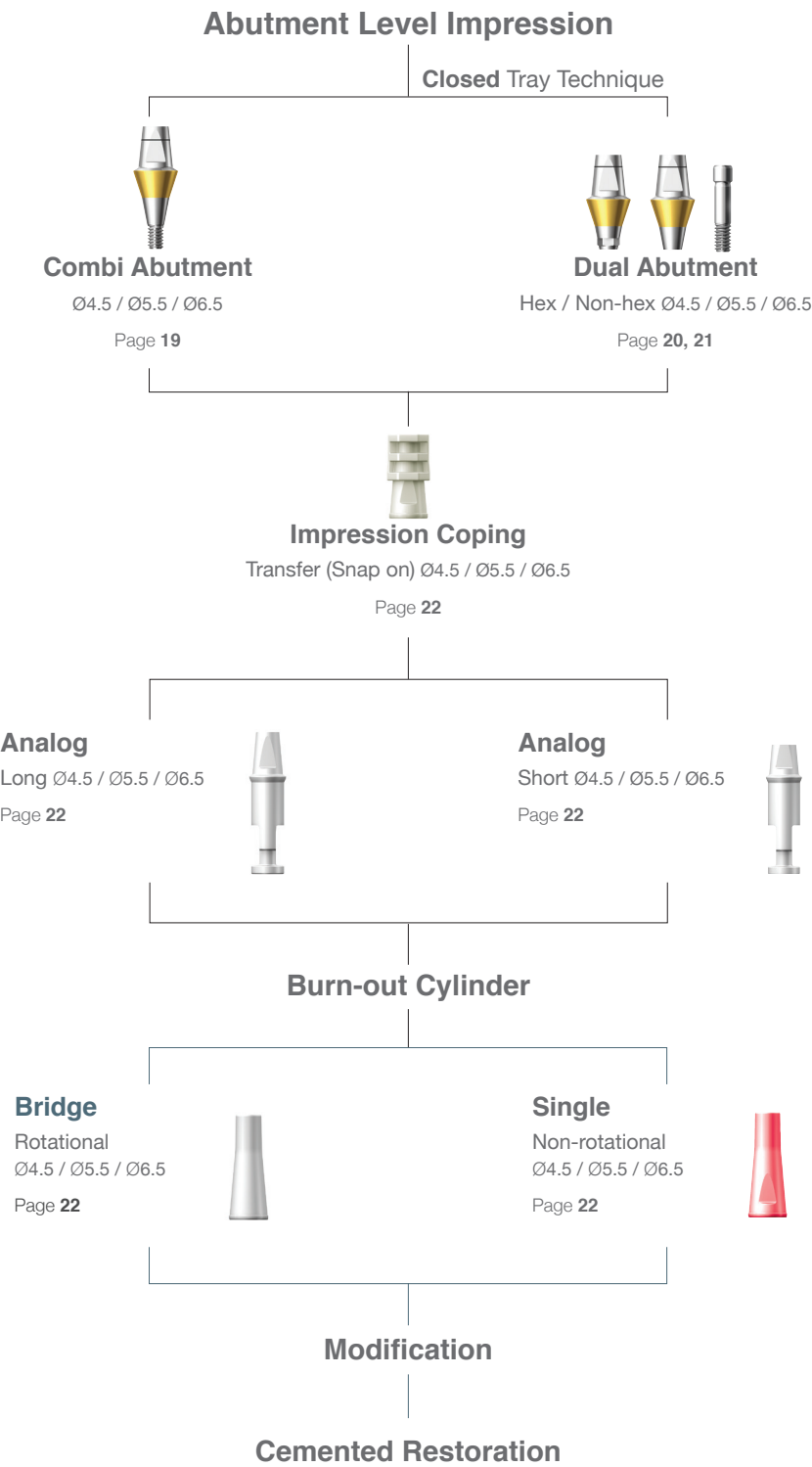


※ Hex driver: Use no more than 10N·cm of torque when screwing a healing abutment to a fixture.
If hex is worn, slot on the head of the product can be used to rotate it.

Prosthetic Procedure 1

Impression Technique and Restoration Selection

Dual / Combi Abutment



Analog
Long Ø4.5 / Ø5.5 / Ø6.5
Page 22



Analog
Short Ø4.5 / Ø5.5 / Ø6.5
Page 22



Bridge
Rotational
Ø4.5 / Ø5.5 / Ø6.5
Page 22

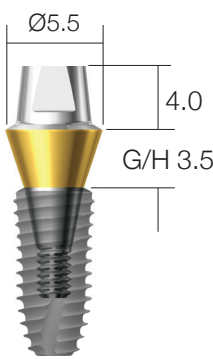


Single
Non-rotational
Ø4.5 / Ø5.5 / Ø6.5
Page 22

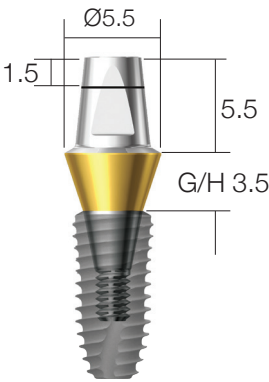


Combi Abutment

Unit: mm, Scale 1 : 1 / mm



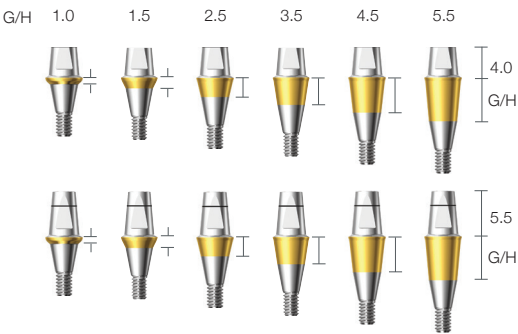
CAB5535SL and FXS4510



CAB5535L and FXS4510

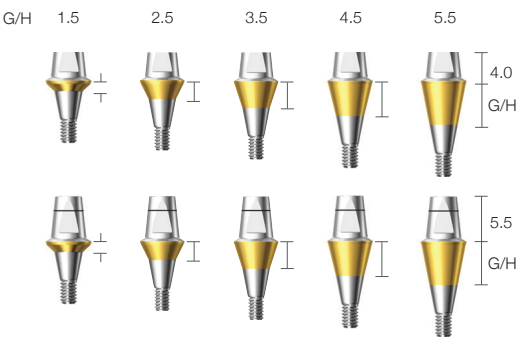
Diameter Ø4.5

G/H	Type	Art. No.	Type	Art. No
1.0	Short	CAB 45 10 SL	Long	CAB 45 10 L
1.5		CAB 45 15 SL		CAB 45 15 L
2.5		CAB 45 25 SL		CAB 45 25 L
3.5		CAB 45 35 SL		CAB 45 35 L
4.5		CAB 45 45 SL		CAB 45 45 L
5.5		CAB 45 55 SL		CAB 45 55 L



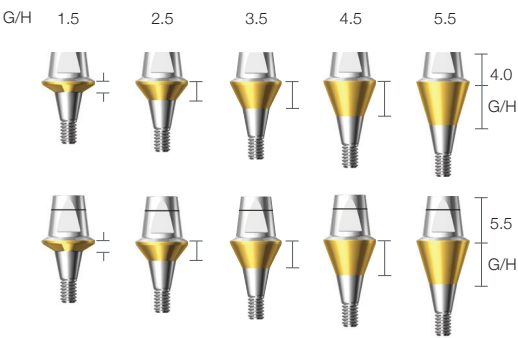
Diameter Ø5.5

G/H	Type	Art. No.	Type	Art. No
1.5	Short	CAB 55 15 SL	Long	CAB 55 15 L
2.5		CAB 55 25 SL		CAB 55 25 L
3.5		CAB 55 35 SL		CAB 55 35 L
4.5		CAB 55 45 SL		CAB 55 45 L
5.5		CAB 55 55 SL		CAB 55 55 L



Diameter Ø6.5

G/H	Type	Art. No.	Type	Art. No
1.5	Short	CAB 65 15 SL	Long	CAB 65 15 L
2.5		CAB 65 25 SL		CAB 65 25 L
3.5		CAB 65 35 SL		CAB 65 35 L
4.5		CAB 65 45 SL		CAB 65 45 L
5.5		CAB 65 55 SL		CAB 65 55 L

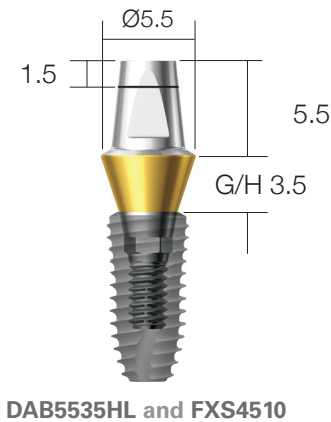


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the combi abutment with fixture.

Dual Abutment [Hex]

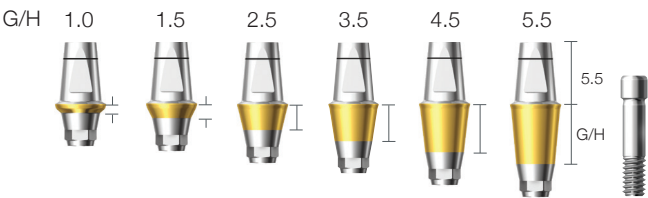
• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



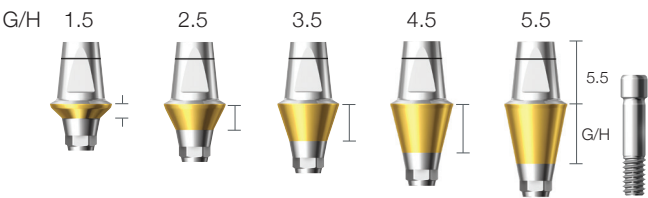
Diameter Ø4.5 | Hex

G/H	Art. No.
1.0	DAB 45 10 HL
1.5	DAB 45 15 HL
2.5	DAB 45 25 HL
3.5	DAB 45 35 HL
4.5	DAB 45 45 HL
5.5	DAB 45 55 HL



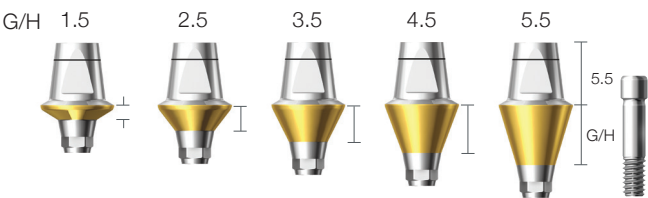
Diameter Ø5.5 | Hex

G/H	Art. No.
1.5	DAB 55 15 HL
2.5	DAB 55 25 HL
3.5	DAB 55 35 HL
4.5	DAB 55 45 HL
5.5	DAB 55 55 HL



Diameter Ø6.5 | Hex

G/H	Art. No.
1.5	DAB 65 15 HL
2.5	DAB 65 25 HL
3.5	DAB 65 35 HL
4.5	DAB 65 45 HL
5.5	DAB 65 55 HL

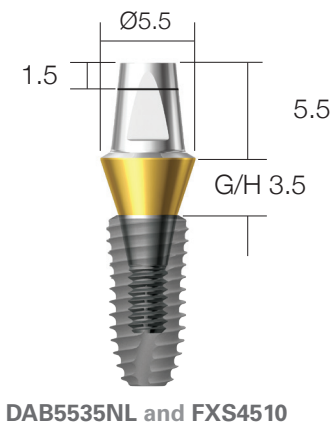


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual abutment with fixture.

Dual Abutment [Non-hex]

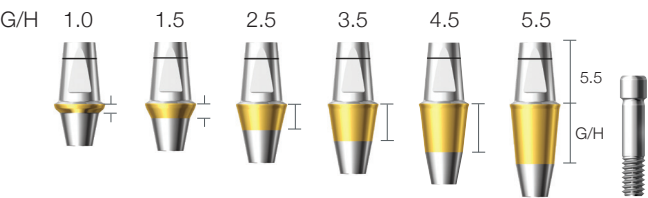
• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



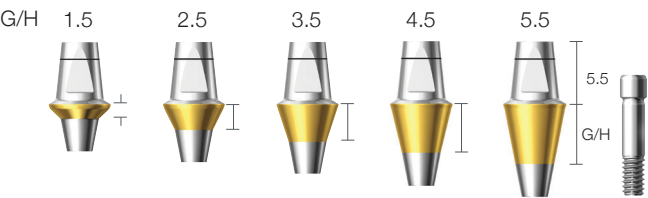
Diameter Ø4.5 | Non-hex

G/H	Art. No.
1.0	DAB 45 10 NL
1.5	DAB 45 15 NL
2.5	DAB 45 25 NL
3.5	DAB 45 35 NL
4.5	DAB 45 45 NL
5.5	DAB 45 55 NL



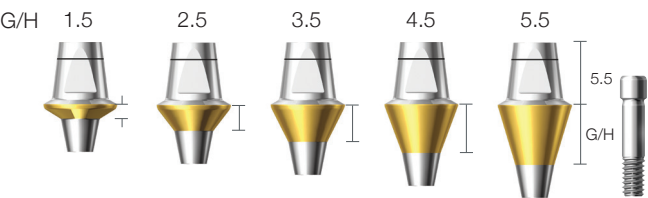
Diameter Ø5.5 | Non-hex

G/H	Art. No.
1.5	DAB 55 15 NL
2.5	DAB 55 25 NL
3.5	DAB 55 35 NL
4.5	DAB 55 45 NL
5.5	DAB 55 55 NL



Diameter Ø6.5 | Non-hex

G/H	Art. No.
1.5	DAB 65 15 NL
2.5	DAB 65 25 NL
3.5	DAB 65 35 NL
4.5	DAB 65 45 NL
5.5	DAB 65 55 NL



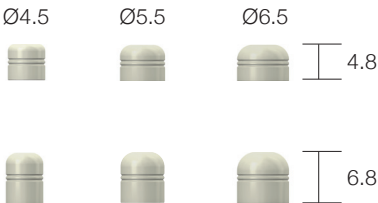
※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual abutment with fixture.

Abutment Level Impression Components

Unit: mm, Scale 1 : 1 / mm

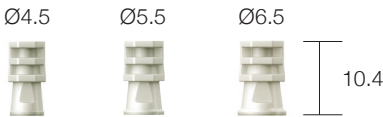
Comfort Cap | Snap on

Type	Diameter	Art. No.
Short	Ø4.5	CCC 45 CS
	Ø5.5	CCC 55 CS
	Ø6.5	CCC 65 CS
Long	Ø4.5	CCC 45 C
	Ø5.5	CCC 55 C
	Ø6.5	CCC 65 C



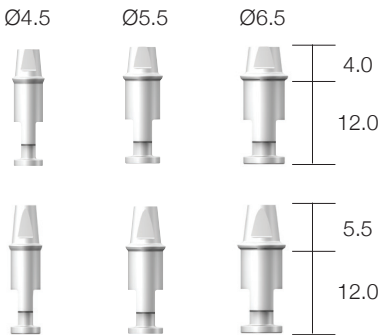
Impression Coping

Diameter	Art. No.
Ø4.5	CIC 45 L
Ø5.5	CIC 55 L
Ø6.5	CIC 65 L



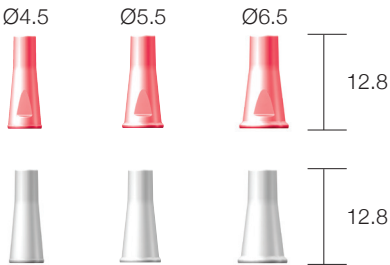
Lab Analog

Type	Diameter	Art. No.
Short	Ø4.5	CAN 45 SL
	Ø5.5	CAN 55 SL
	Ø6.5	CAN 65 SL
Long	Ø4.5	CAN 45 LL
	Ø5.5	CAN 55 LL
	Ø6.5	CAN 65 LL



Burn-out Cylinder

Type	Diameter	Art. No.
Single	Ø4.5	CBC 45 SL
	Ø5.5	CBC 55 SL
	Ø6.5	CBC 65 SL
Bridge	Ø4.5	CBC 45 BL
	Ø5.5	CBC 55 BL
	Ø6.5	CBC 65 BL



Restorative Kit



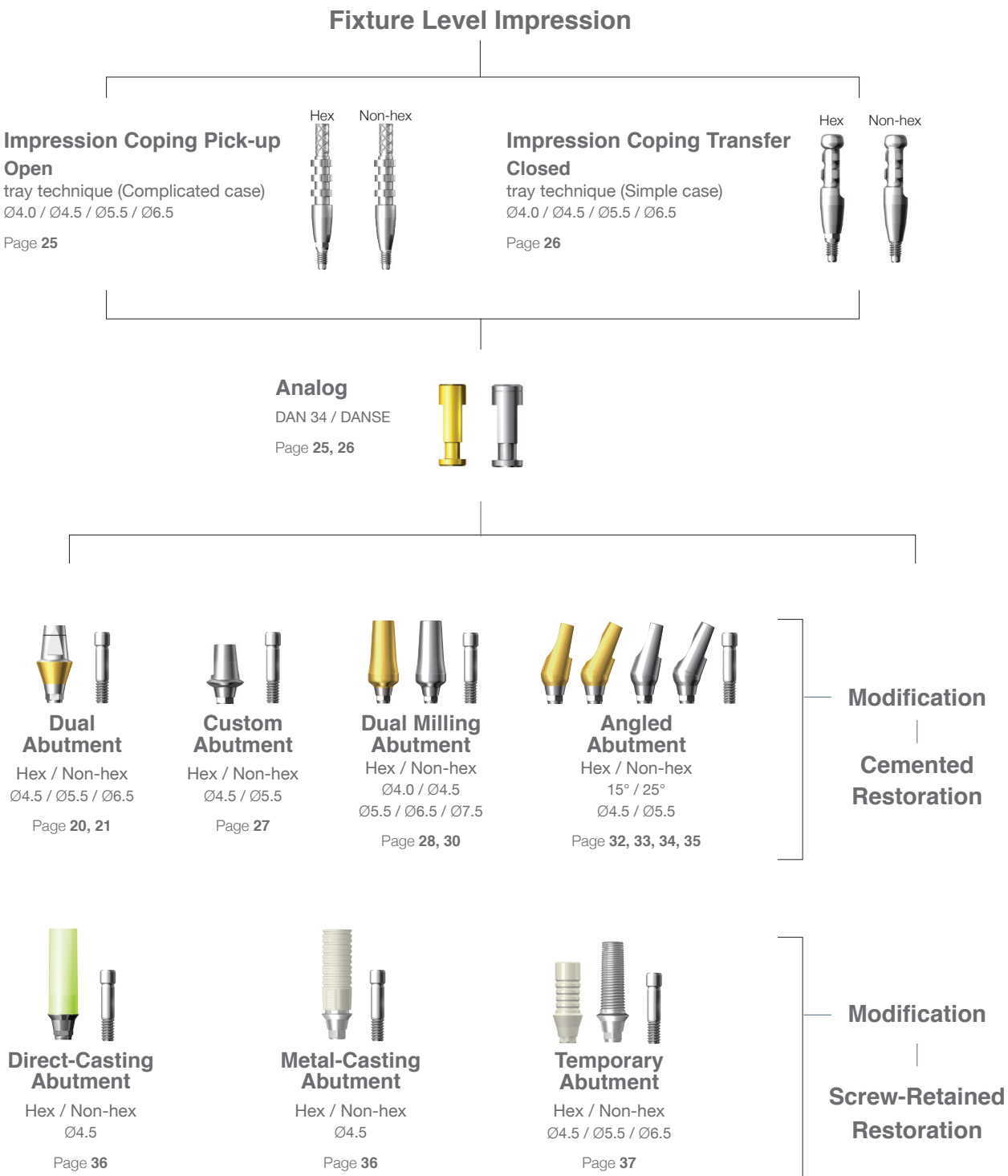
Combi & Dual Abutment

Art. No	Lab. Components				
	Comfort Cap	Impression Coping	Analog	Burn-out Cylinder	
XSDAB 45 S XSDAB 45	CCC 45 CS CCC 45 C	CIC 45 L	CAN 45 SL CAN 45 LL	CBC 45 SL	CBC 45 BL
XSDAB 55 S XSDAB 55	CCC 55 CS CCC 55 C	CIC 55 L	CAN 55 SL CAN 55 LL	CBC 55 SL	CBC 55 BL
XSDAB 65 S XSDAB 65	CCC 65 CS CCC 65 C	CIC 65 L	CAN 65 SL CAN 65 LL	CBC 65 SL	CBC 65 BL

Prosthetic Procedure 2

Impression Technique and Restoration Selection

Dual / Custom / Dual Milling / Angled / Direct-Casting /
Metal-Casting / Temporary (Plastic & Ti) Abutment



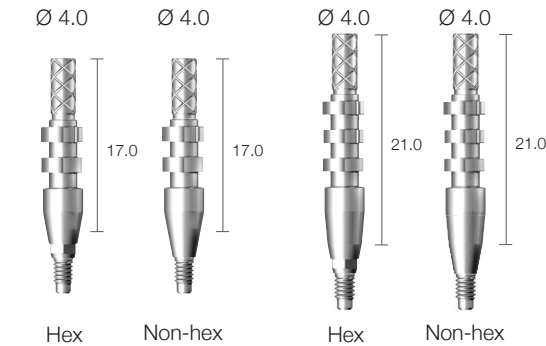
Fixture Level Impression Components

• Impression coping screw is included with Impression coping.

Unit: mm, Scale 1 : 1.5 / mm

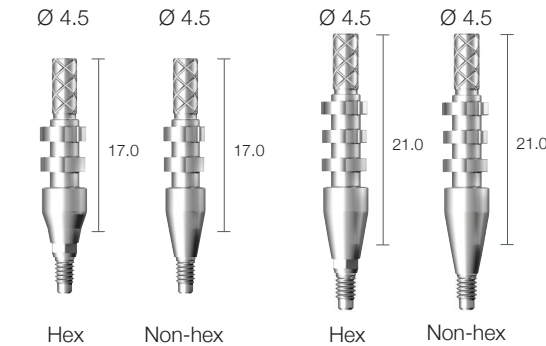
Impression Coping Pick-up Ø4.0

Size	Type	Art. No.
Short	Hex	DPU 40 11 HL
Short	Non-hex	DPU 40 11 NL
Long	Hex	DPU 40 15 HL
Long	Non-hex	DPU 40 15 NL



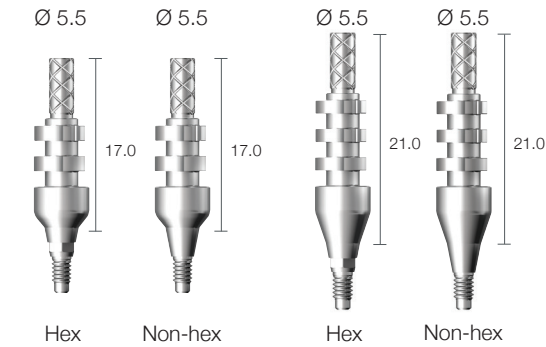
Impression Coping Pick-up Ø4.5

Size	Type	Art. No.
Short	Hex	DPU 45 11 HL
Short	Non-hex	DPU 45 11 NL
Long	Hex	DPU 45 15 HL
Long	Non-hex	DPU 45 15 NL



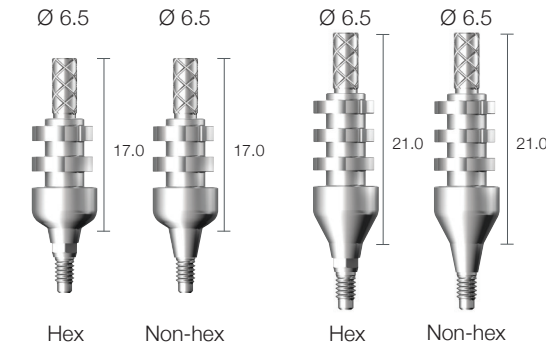
Impression Coping Pick-up Ø5.5

Size	Type	Art. No.
Short	Hex	DPU 55 11 HL
Short	Non-hex	DPU 55 11 NL
Long	Hex	DPU 55 15 HL
Long	Non-hex	DPU 55 15 NL



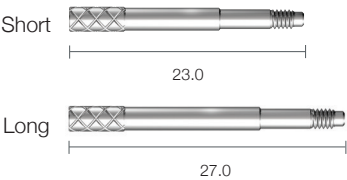
Impression Coping Pick-up Ø6.5

Size	Type	Art. No.
Short	Hex	DPU 65 11 HL
Short	Non-hex	DPU 65 11 NL
Long	Hex	DPU 65 15 HL
Long	Non-hex	DPU 65 15 NL



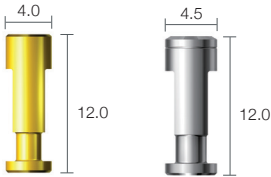
Impression Coping Pick-up Screw

Size	Art. No.
Short	DPS 11
Long	DPS 15



Analogue

Application (BodyØ)	Art. No.
Ø3.4/Ø3.8/Ø4.3/Ø4.8/Ø5.8	DAN 34
Ø3.4 / Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DANSE

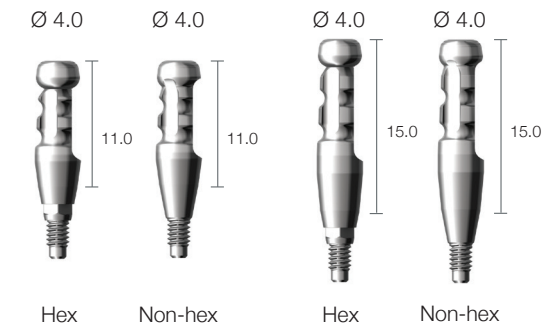


Fixture Level Impression Components

• Impression coping screw is included with Impression coping. Unit: mm, Scale 1 : 1.5 / mm

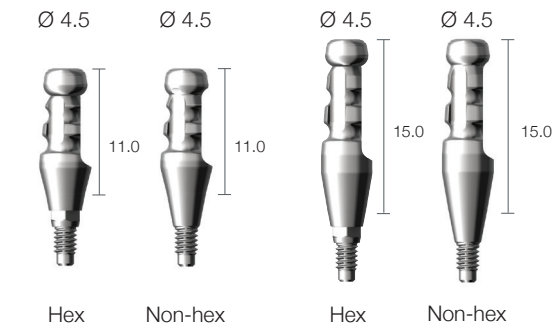
Impression Coping Transfer Ø4.0

Size	Type	Art. No.
Short	Hex	DTF 40 11 HL
Short	Non-hex	DTF 40 11 NL
Long	Hex	DTF 40 15 HL
Long	Non-hex	DTF 40 15 NL



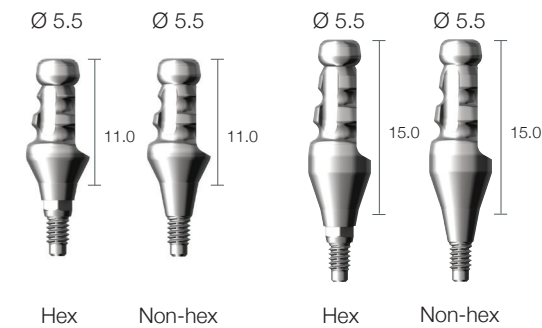
Impression Coping Transfer Ø4.5

Size	Type	Art. No.
Short	Hex	DTF 45 11 HL
Short	Non-hex	DTF 45 11 NL
Long	Hex	DTF 45 15 HL
Long	Non-hex	DTF 45 15 NL



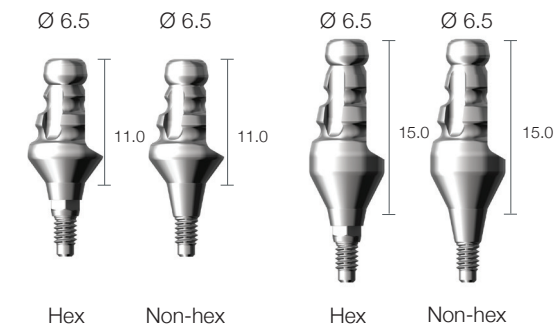
Impression Coping Transfer Ø5.5

Size	Type	Art. No.
Short	Hex	DTF 55 11 HL
Short	Non-hex	DTF 55 11 NL
Long	Hex	DTF 55 15 HL
Long	Non-hex	DTF 55 15 NL



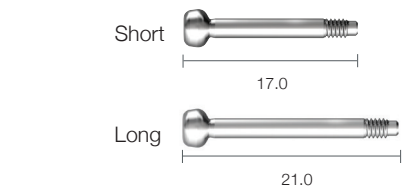
Impression Coping Transfer Ø6.5

Size	Type	Art. No.
Short	Hex	DTF 65 11 HL
Short	Non-hex	DTF 65 11 NL
Long	Hex	DTF 65 15 HL
Long	Non-hex	DTF 65 15 NL



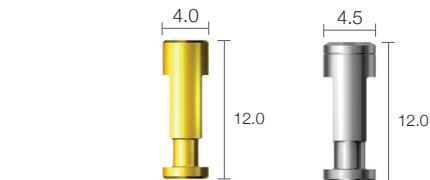
Impression Coping Transfer Screw

Size	Art. No.
Short	DTS 11
Long	DTS 15



Analogue

Application (BodyØ)	Art. No.
Ø3.4 / Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DAN 34
Ø3.4 / Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DANSE



Custom Abutment

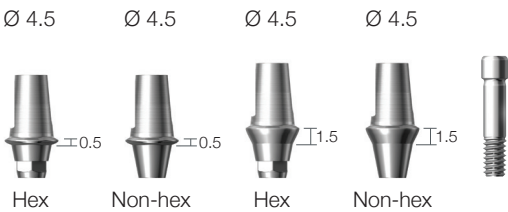
• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



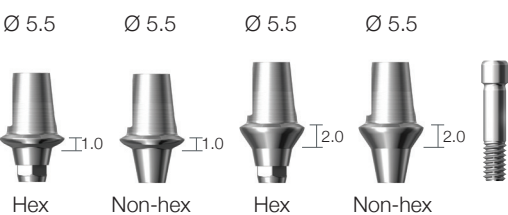
Diameter $\varnothing 4.5$

G/H	Type	Art. No.
0.5	Hex	CDAB 45 05 H
0.5	Non-hex	CDAB 45 05 N
1.5	Hex	CDAB 45 15 H
1.5	Non-hex	CDAB 45 15 N



Diameter $\varnothing 5.5$

G/H	Type	Art. No.
1.0	Hex	CDAB 55 10 H
1.0	Non-hex	CDAB 55 10 N
2.0	Hex	CDAB 55 20 H
2.0	Non-hex	CDAB 55 20 N

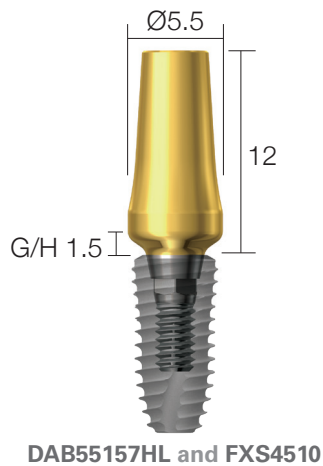


※ Note: 1) If the Implantium II fixture with size of $\varnothing 3.4$ body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the custom abutment with fixture.

Dual Milling Abutment [Ti-G4]

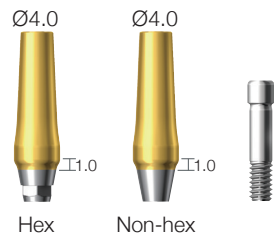
• Abutment screw is included.

Unit:mm, Scale 1: 1.5 / mm



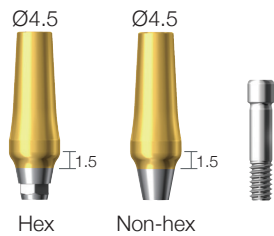
Diameter Ø4.0

G/H	Type	Art. No.
1.0	Hex	DAB 40 105 HL
1.0	Non-hex	DAB 40 105 NL



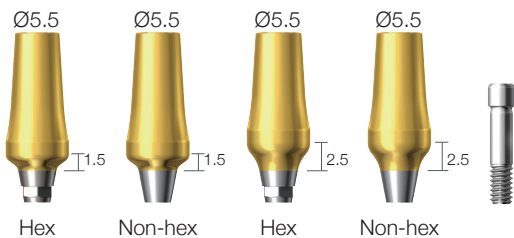
Diameter Ø4.5

G/H	Type	Art. No.
1.5	Hex	DAB 45 156 HL
1.5	Non-hex	DAB 45 156 NL



Diameter Ø5.5

G/H	Type	Art. No.
1.5	Hex	DAB 55 157 HL
1.5	Non-hex	DAB 55 157 NL
2.5	Hex	DAB 55 257 HL
2.5	Non-hex	DAB 55 257 NL



※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual milling abutment with fixture.

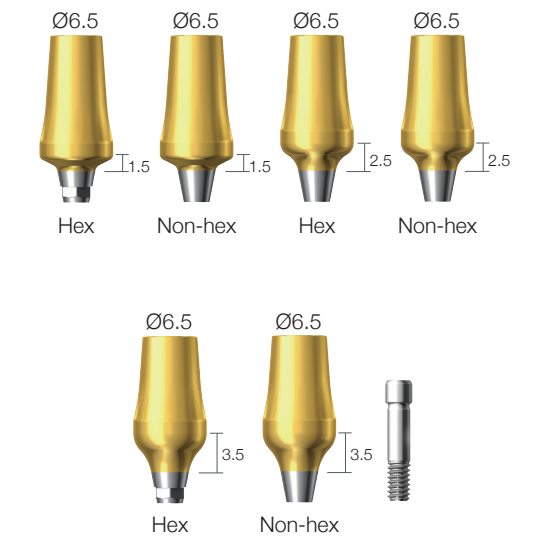
Dual Milling Abutment [Ti-G4]

• Abutment screw is included.

Unit:mm, Scale 1: 1.5 / mm

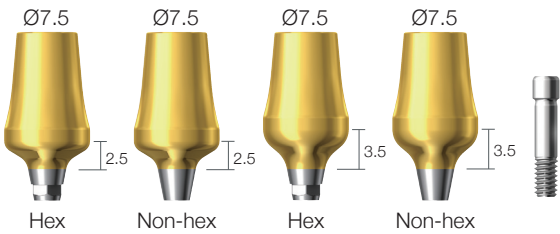
Diameter Ø6.5

G/H	Type	Art. No.
1.5	Hex	DAB 65 158 HL
1.5	Non-hex	DAB 65 158 NL
2.5	Hex	DAB 65 258 HL
2.5	Non-hex	DAB 65 258 NL
3.5	Hex	DAB 65 358 HL
3.5	Non-hex	DAB 65 358 NL



Diameter Ø7.5

G/H	Type	Art. No.
2.5	Hex	DAB 75 259 HL
2.5	Non-hex	DAB 75 259 NL
3.5	Hex	DAB 75 359 HL
3.5	Non-hex	DAB 75 359 NL

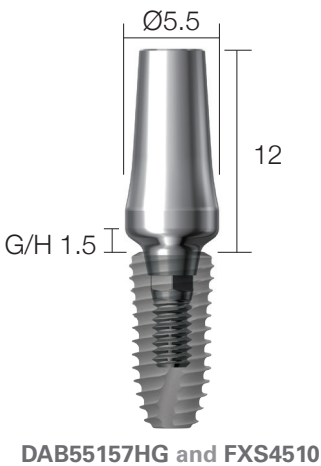


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual milling abutment with fixture.

Dual Milling Abutment [Ti-G2]

• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



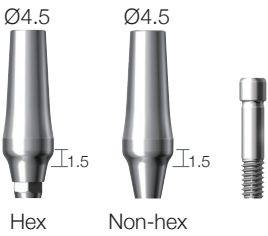
Diameter $\varnothing 4.0$

G/H	Type	Art. No.
1.0	Hex	DAB 40 105 HG
1.0	Non-hex	DAB 40 105 NG



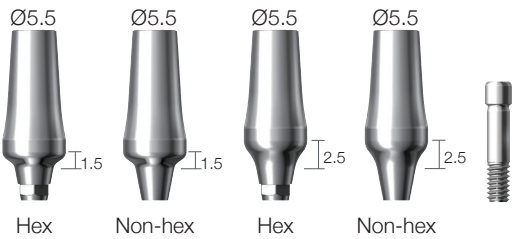
Diameter $\varnothing 4.5$

G/H	Type	Art. No.
1.5	Hex	DAB 45 156 HG
1.5	Non-hex	DAB 45 156 NG



Diameter $\varnothing 5.5$

G/H	Type	Art. No.
1.5	Hex	DAB 55 157 HG
1.5	Non-hex	DAB 55 157 NG
2.5	Hex	DAB 55 257 HG
2.5	Non-hex	DAB 55 257 NG



※ Note: 1) If the Implantium II fixture with size of $\varnothing 3.4$ body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
 2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual milling abutment with fixture.

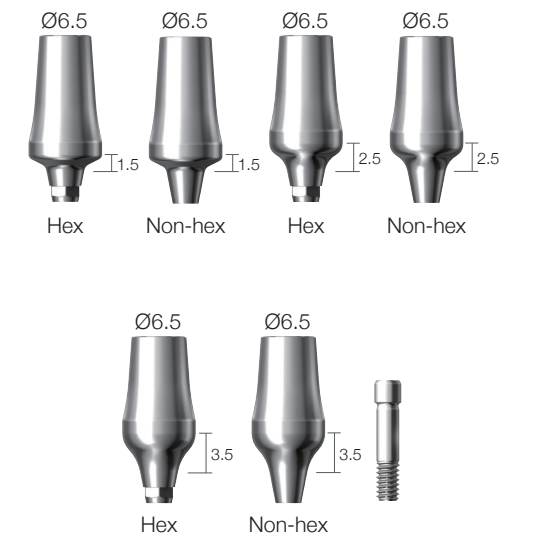
Dual Milling Abutment [Ti-G2]

• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm

Diameter Ø6.5

G/H	Type	Art. No.
1.5	Hex	DAB 65 158 HG
1.5	Non-hex	DAB 65 158 NG
2.5	Hex	DAB 65 258 HG
2.5	Non-hex	DAB 65 258 NG
3.5	Hex	DAB 65 358 HG
3.5	Non-hex	DAB 65 358 NG



Diameter Ø7.5

G/H	Type	Art. No.
2.5	Hex	DAB 75 259 HG
2.5	Non-hex	DAB 75 259 NG
3.5	Hex	DAB 75 359 HG
3.5	Non-hex	DAB 75 359 NG

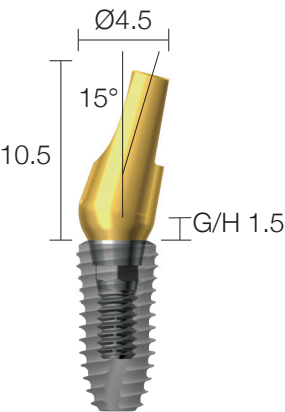


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual milling abutment with fixture.

Angled Abutment [Ti-G4 / 15°]

• Abutment screw is included.

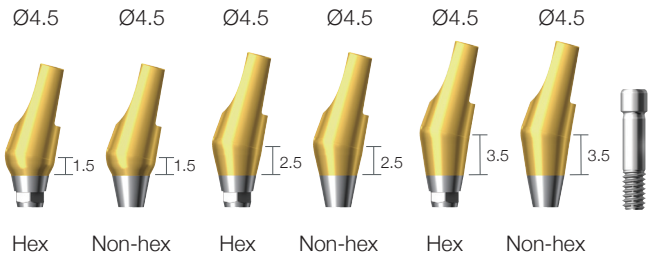
Unit: mm, Scale 1 : 1.5 / mm



AAB154515HL and FXS4510

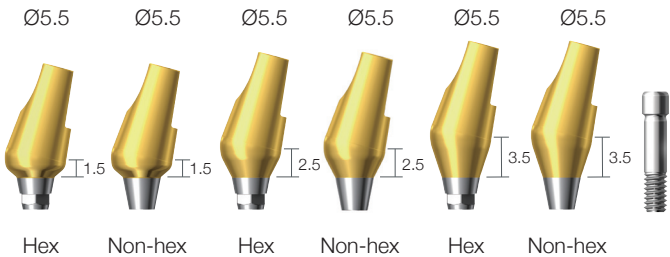
Diameter Ø4.5 | Angled 15°

G/H	Type	Art. No.
1.5	Hex	AAB 15 45 15 HL
1.5	Non-hex	AAB 15 45 15 NL
2.5	Hex	AAB 15 45 25 HL
2.5	Non-hex	AAB 15 45 25 NL
3.5	Hex	AAB 15 45 35 HL
3.5	Non-hex	AAB 15 45 35 NL



Diameter Ø5.5 | Angled 15°

G/H	Type	Art. No.
1.5	Hex	AAB 15 55 15 HL
1.5	Non-hex	AAB 15 55 15 NL
2.5	Hex	AAB 15 55 25 HL
2.5	Non-hex	AAB 15 55 25 NL
3.5	Hex	AAB 15 55 35 HL
3.5	Non-hex	AAB 15 55 35 NL

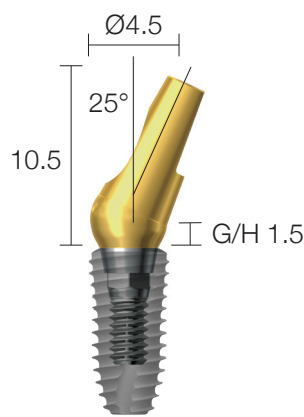


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with fixture.

Angled Abutment [Ti-G4 / 25°]

• Abutment screw is included.

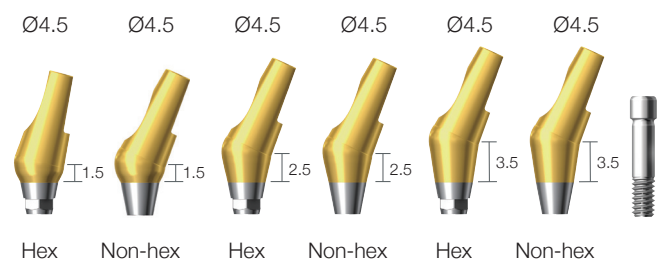
Unit: mm, Scale 1 : 1.5 / mm



AAB254515HL and FXS4510

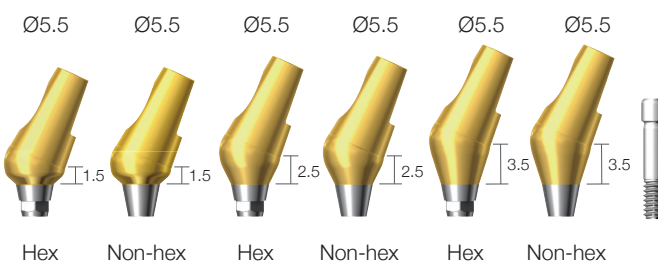
Diameter Ø4.5 | Angled 25°

G/H	Type	Art. No.
1.5	Hex	AAB 25 45 15 HL
1.5	Non-hex	AAB 25 45 15 NL
2.5	Hex	AAB 25 45 25 HL
2.5	Non-hex	AAB 25 45 25 NL
3.5	Hex	AAB 25 45 35 HL
3.5	Non-hex	AAB 25 45 35 NL



Diameter Ø5.5 | Angled 25°

G/H	Type	Art. No.
1.5	Hex	AAB 25 55 15 HL
1.5	Non-hex	AAB 25 55 15 NL
2.5	Hex	AAB 25 55 25 HL
2.5	Non-hex	AAB 25 55 25 NL
3.5	Hex	AAB 25 55 35 HL
3.5	Non-hex	AAB 25 55 35 NL

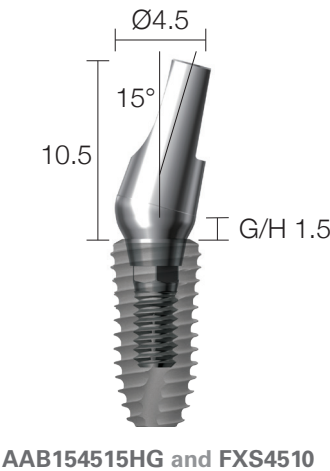


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with fixture.

Angled Abutment [Ti-G2 / 15°]

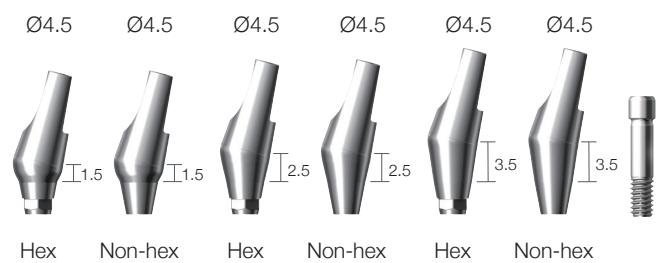
• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



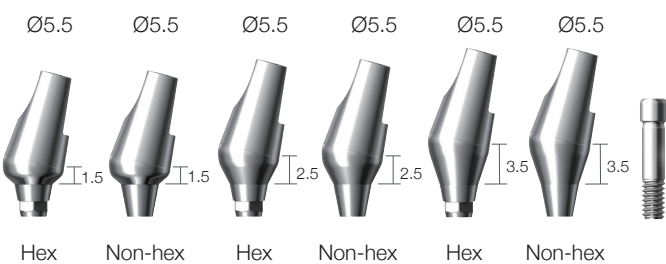
Diameter Ø4.5 | Angled 15°

G/H	Type	Art. No.
1.5	Hex	AAB 15 45 15 HG
1.5	Non-hex	AAB 15 45 15 NG
2.5	Hex	AAB 15 45 25 HG
2.5	Non-hex	AAB 15 45 25 NG
3.5	Hex	AAB 15 45 35 HG
3.5	Non-hex	AAB 15 45 35 NG



Diameter Ø5.5 | Angled 15°

G/H	Type	Art. No.
1.5	Hex	AAB 15 55 15 HG
1.5	Non-hex	AAB 15 55 15 NG
2.5	Hex	AAB 15 55 25 HG
2.5	Non-hex	AAB 15 55 25 NG
3.5	Hex	AAB 15 55 35 HG
3.5	Non-hex	AAB 15 55 35 NG

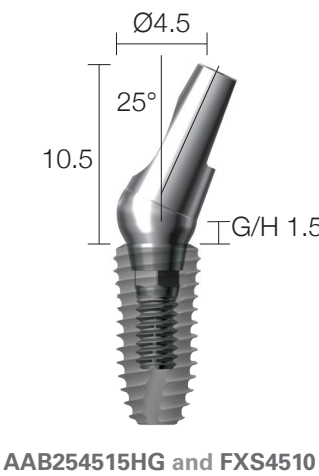


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with fixture.

Angled Abutment [Ti-G2 / 25°]

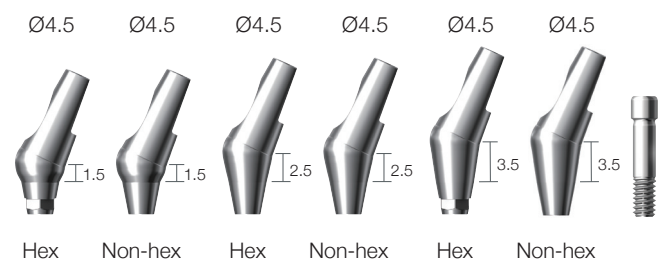
• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



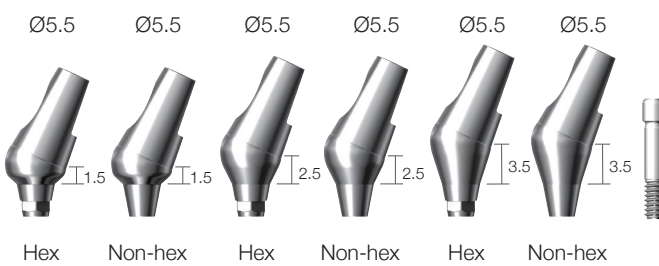
Diameter Ø4.5 | Angled 25°

G/H	Type	Art. No.
1.5	Hex	AAB 25 45 15 HG
1.5	Non-hex	AAB 25 45 15 NG
2.5	Hex	AAB 25 45 25 HG
2.5	Non-hex	AAB 25 45 25 NG
3.5	Hex	AAB 25 45 35 HG
3.5	Non-hex	AAB 25 45 35 NG



Diameter Ø5.5 | Angled 25°

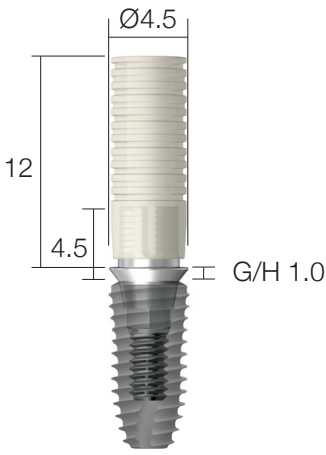
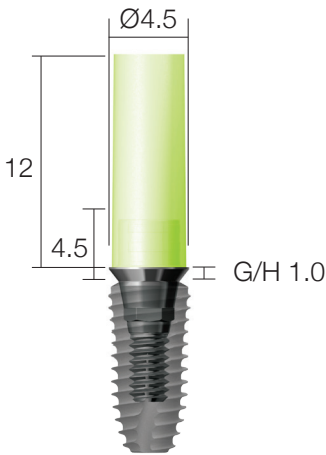
G/H	Type	Art. No.
1.5	Hex	AAB 25 55 15 HG
1.5	Non-hex	AAB 25 55 15 NG
2.5	Hex	AAB 25 55 25 HG
2.5	Non-hex	AAB 25 55 25 NG
3.5	Hex	AAB 25 55 35 HG
3.5	Non-hex	AAB 25 55 35 NG



※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with fixture.

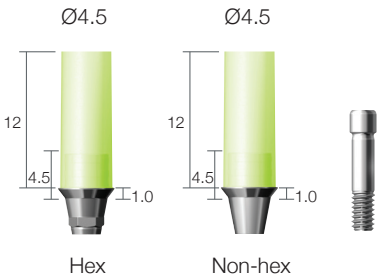
Direct-Casting Abutment / Metal-Casing Abutment

• Abutment screw is included. Unit: mm, Scale 1 : 1.5 / mm



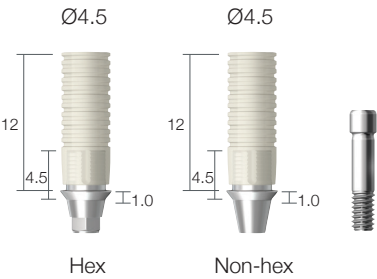
Direct-Casting Abutment | Gold

G/H	Type	Art. No.
1.0	Hex	RAB 45 GH
1.0	Non-hex	RAB 45 GN



Metal-Casting Abutment | Co-Cr

G/H	Type	Art. No.
1.0	Hex	RAB 45 CH
1.0	Non-hex	RAB 45 CN

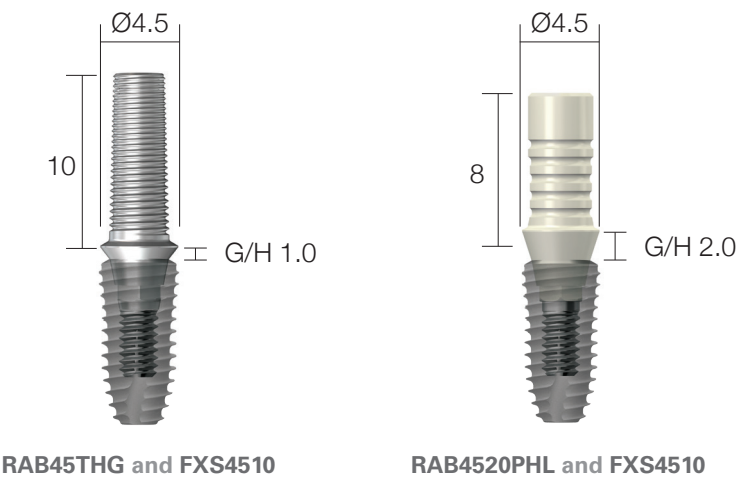


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the direct-casting / metal-casing abutment with fixture.

Temporary Abutment

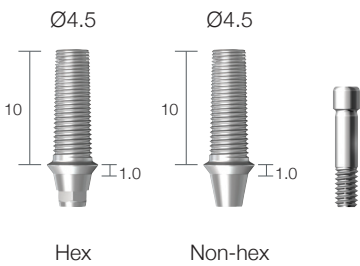
• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



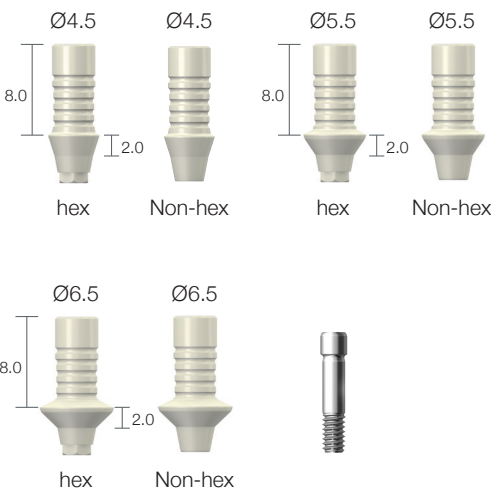
Ti-Temporary Abutment

Diameter	G/H	Type	Art. No.
Ø4.5	1.0	Hex	RAB 45 THG
Ø4.5	1.0	Non-hex	RAB 45 TNG



Plastic Temporary Abutment

Diameter	G/H	Type	Art. No.
Ø4.5	2.0	hex	RAB 45 20 PHL
Ø4.5	2.0	Non-hex	RAB 45 20 PNL
Ø5.5	2.0	hex	RAB 55 20 PHL
Ø5.5	2.0	Non-hex	RAB 55 20 PNL
Ø6.5	2.0	hex	RAB 65 20 PHL
Ø6.5	2.0	Non-hex	RAB 65 20 PNL

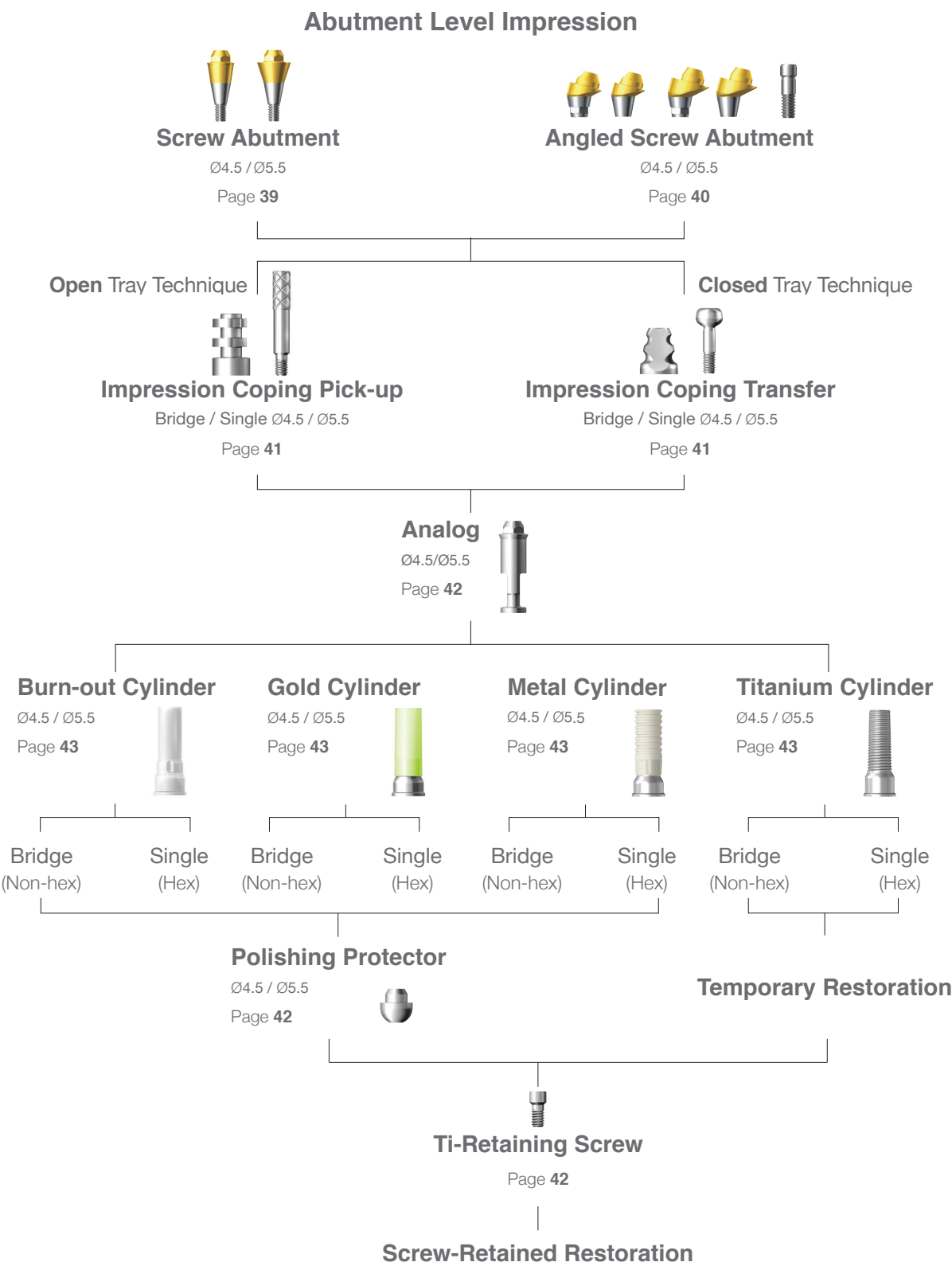


※ Note: 1) If the Implantium II fixture with size of Ø3.4 body is used, abutment height after assembly will become 0.5mm longer than other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the temporary abutment with fixture.

Prosthetic Procedure 3

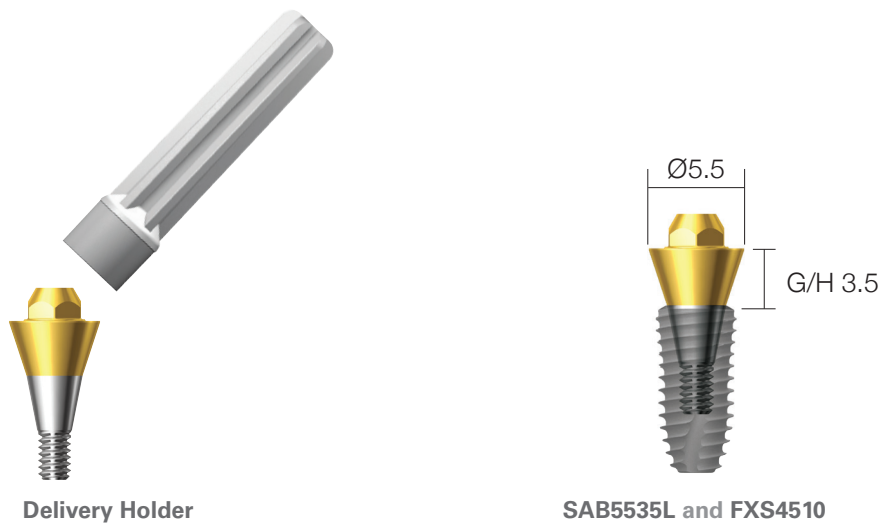
Impression Technique and Restoration Selection

Screw Abutment



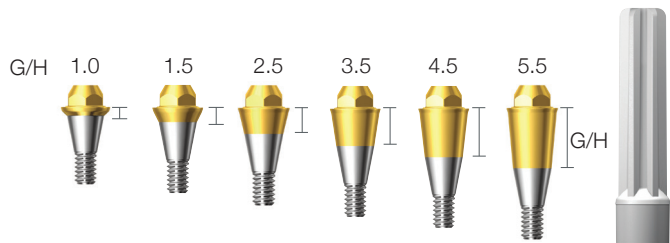
Screw Abutment

Unit: mm, Scale 1 : 1.5 / mm



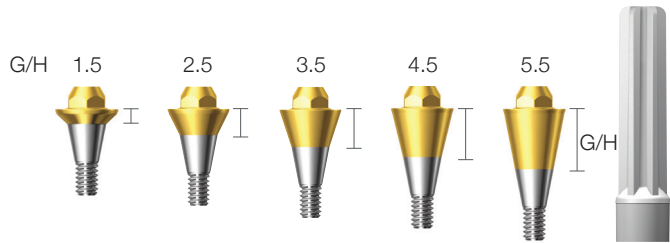
Diameter Ø4.5

G/H	Art. No.
1.0	SAB45 10 L
1.5	SAB45 15 L
2.5	SAB45 25 L
3.5	SAB45 35 L
4.5	SAB45 45 L
5.5	SAB45 55 L



Diameter Ø5.5

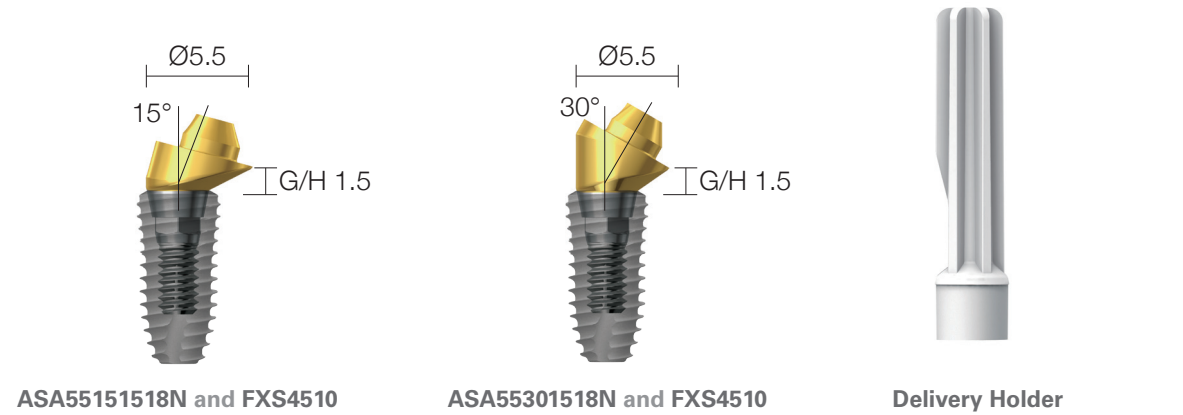
G/H	Art. No.
1.5	SAB55 15 L
2.5	SAB55 25 L
3.5	SAB55 35 L
4.5	SAB55 45 L
5.5	SAB55 55 L



※ Note: 1) The Implantium II fixture with size of Ø3.4 body is not recommended to use with the screw abutment. Should they be used together, abutment height after assembly will become 0.5mm longer than the other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the screw abutment with fixture.

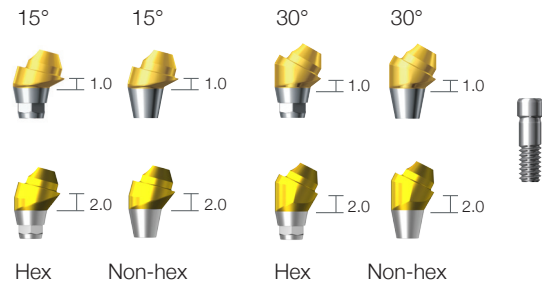
Angled Screw Abutment

Unit: mm, Scale 1 : 1.5 / mm



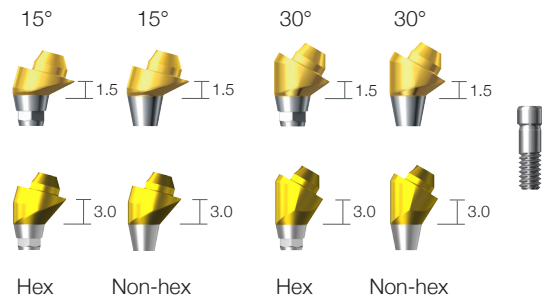
Angled Screw Abutment Ø4.5

G/H	Type	Art. No.
1.0	Hex	ASA 45 15 10 18 H
1.0	Non-hex	ASA 45 15 10 18 N
1.0	Hex	ASA 45 30 10 18 H
1.0	Non-hex	ASA 45 30 10 18 N
2.0	Hex	ASA 45 15 20 18 H
2.0	Non-hex	ASA 45 15 20 18 N
2.0	Hex	ASA 45 30 20 18 H
2.0	Non-hex	ASA 45 30 20 18 N



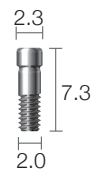
Angled Screw Abutment Ø5.5

G/H	Type	Art. No.
1.5	Hex	ASA 55 15 15 18 H
1.5	Non-hex	ASA 55 15 15 18 N
1.5	Hex	ASA 55 30 15 18 H
1.5	Non-hex	ASA 55 30 15 18 N
3.0	Hex	ASA 55 15 30 18 H
3.0	Non-hex	ASA 55 15 30 18 N
3.0	Hex	ASA 55 30 30 18 H
3.0	Non-hex	ASA 55 30 30 18 N



Angled Screw Abutment Screw

ASASC 20 23



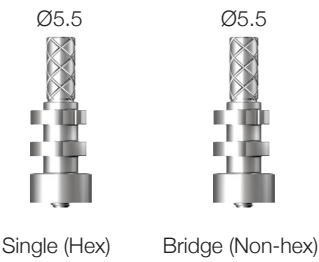
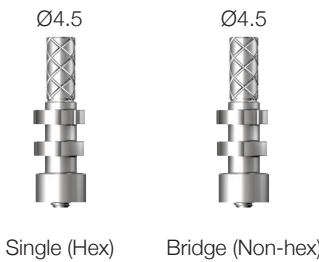
※ Note: 1) The Implantium II fixture with size of Ø3.4 body is not recommended to use with the screw abutment. Should they be used together, abutment height after assembly will become 0.5mm longer than the other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the screw abutment with fixture.

Screw Abutment Impression Components

Unit: mm, Scale 1 : 1.5 / mm

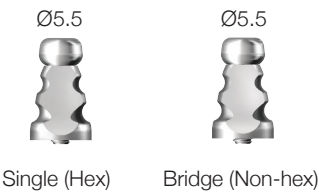
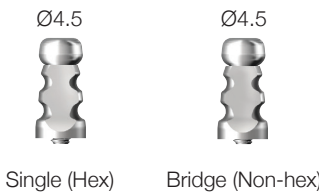
Impression Coping Pick-up

Diameter	Type		Art. No.
Ø4.5	Single	Hex	SPU 45 SL
Ø4.5	Bridge	Non-hex	SPU 45 BL
Ø5.5	Single	Hex	SPU 55 SL
Ø5.5	Bridge	Non-hex	SPU 55 BL



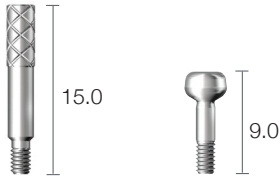
Impression Coping Transfer

Diameter	Type		Art. No.
Ø4.5	Single	Hex	STF 45 SL
Ø4.5	Bridge	Non-hex	STF 45 BL
Ø5.5	Single	Hex	STF 55 SL
Ø5.5	Bridge	Non-hex	STF 55 BL



Impression Coping Screw

Type	Art. No.
Pick-up	SPS 09
Transfer	STS 09



Screw Abutment Impression Components

Unit: mm, Scale 1 : 1.5 / mm

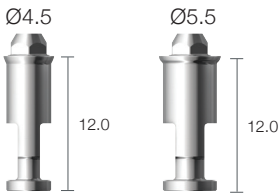
Comfort Cap

Diameter	Art. No.
Ø4.5	SCC 45 L
Ø5.5	SCC 55 L



Analog

Diameter	Art. No.
Ø4.5	SAN 45 L
Ø5.5	SAN 55 L



Polishing Protector

Diameter	Art. No.
Ø4.5	SPP 45 L
Ø5.5	SPP 55 L



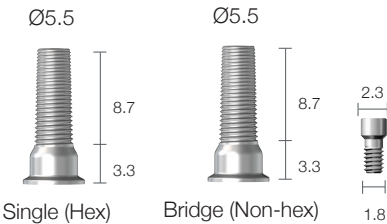
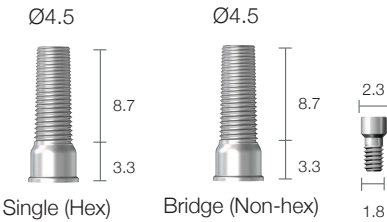
Ti-Retaining Screw

SRS 18 T



Ti-Cylinder

Diameter	Type		Art. No.
Ø4.5	Single	Hex	STC 45 SG
Ø4.5	Bridge	Non-hex	STC 45 BG
Ø5.5	Single	Hex	STC 55 SG
Ø5.5	Bridge	Non-hex	STC 55 BG

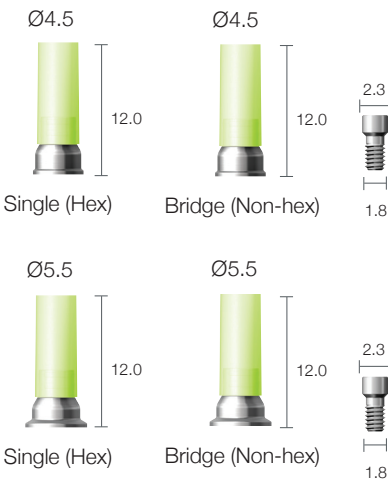


Screw Abutment Impression Components

Unit: mm, Scale 1 : 1.5 / mm

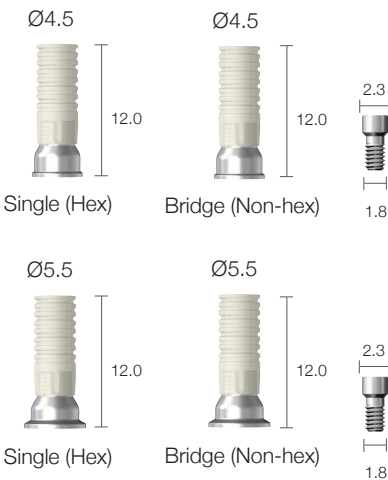
Gold Cylinder

Diameter	Type		Art. No.
Ø4.5	Single	Hex	SGC 45 SL
Ø4.5	Bridge	Non-hex	SGC 45 BL
Ø5.5	Single	Hex	SGC 55 SL
Ø5.5	Bridge	Non-hex	SGC 55 BL



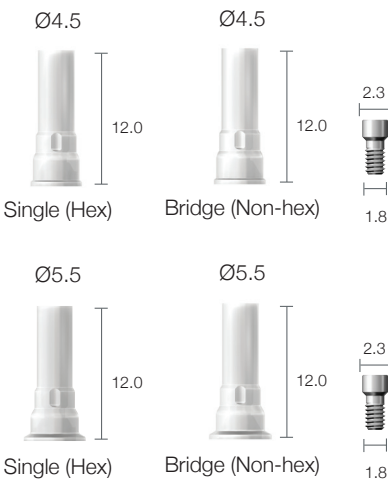
Metal Cylinder | Co-Cr

Diameter	Type		Art. No.
Ø4.5	Single	Hex	SGC 45 CSL
Ø4.5	Bridge	Non-hex	SGC 45 CBL
Ø5.5	Single	Hex	SGC 55 CSL
Ø5.5	Bridge	Non-hex	SGC 55 CBL



Burn-out Cylinder

Diameter	Type		Art. No.
Ø4.5	Single	Hex	SBC 45 SL
Ø4.5	Bridge	Non-hex	SBC 45 BL
Ø5.5	Single	Hex	SBC 55 SL
Ø5.5	Bridge	Non-hex	SBC 55 BL

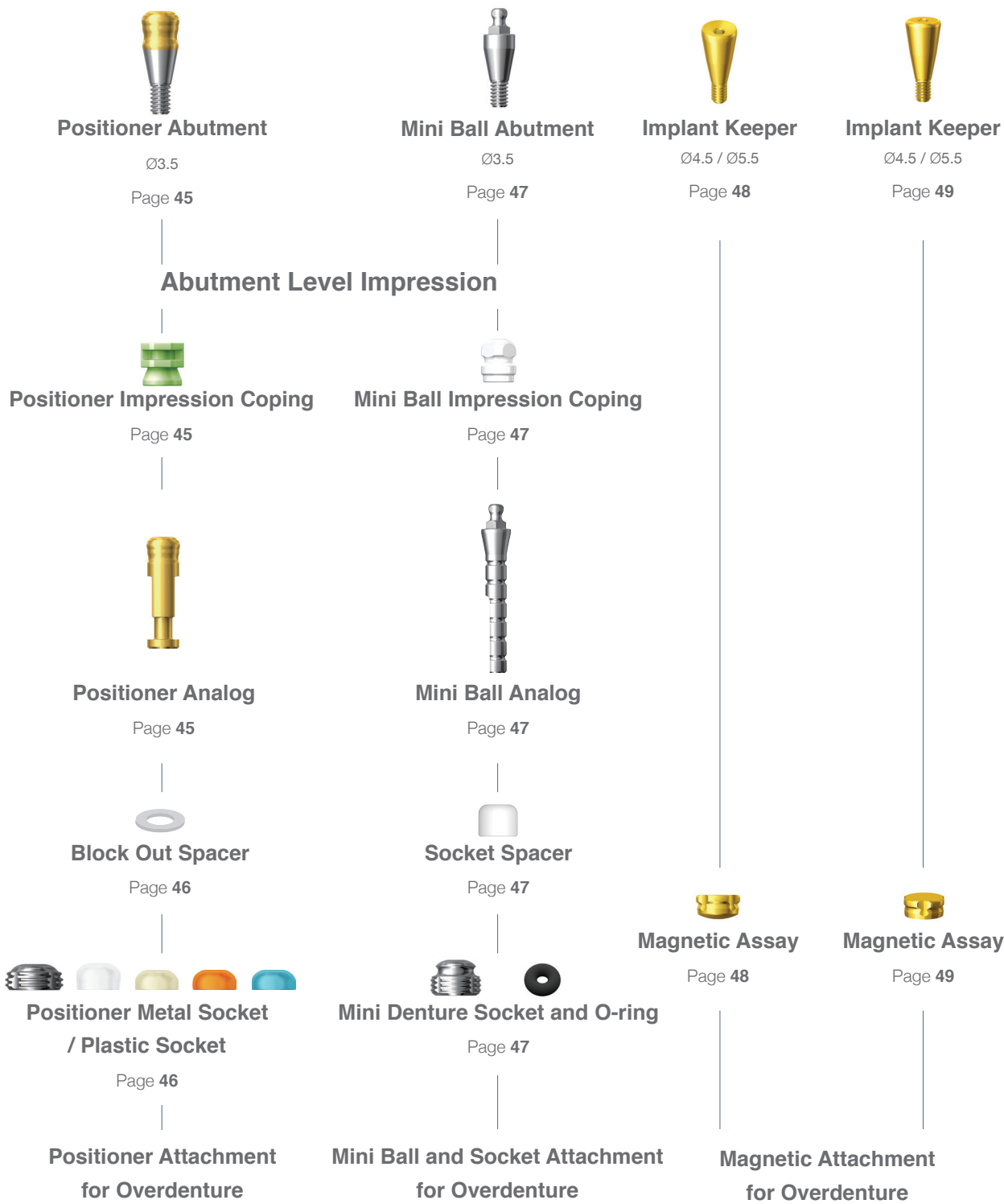


Prosthetic Procedure 4

Impression Technique and Restoration Type

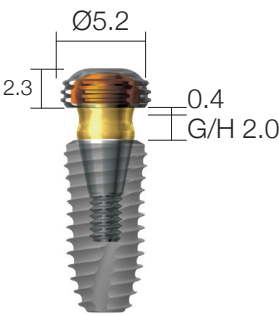
Overdenture Procedure

Positioner / Mini Ball / Magnetic Attachment



Positioner

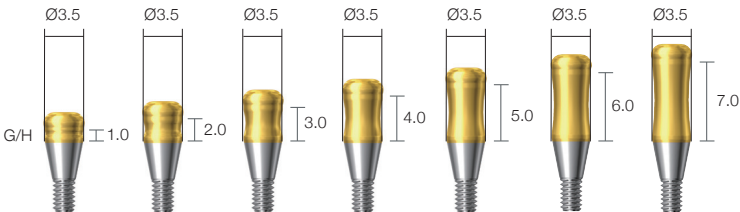
Unit: mm, Scale 1 : 1.5 / mm



FSMH and PAB3520 and FXS4510

Positioner Abutment

G/H	Art. No.
1.0	PAB 35 10
2.0	PAB 35 20
3.0	PAB 35 30
4.0	PAB 35 40
5.0	PAB 35 50
6.0	PAB 35 60
7.0	PAB 35 70



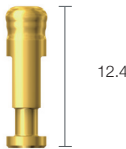
Positioner Impression Coping

PIC



Positioner Analog

PAN



※ Note: 1) The Implantium II fixture with size of Ø3.4 body is not recommended to use with the positioner abutment. Should they be used together, abutment height after assembly will become 0.5mm longer than the other sized fixtures.

2) It is recommended to keep the torque level at 25~30 N·cm to tighten the ball abutment with fixture.

Positioner

Unit: mm, Scale 1 : 1.5 / mm

Positioner Socket Set

Art. No.	FSMHS(Tilting Type $\pm 10^{\circ}$)
	FSMHNS(Non Tilting Type $\pm 5^{\circ}$)



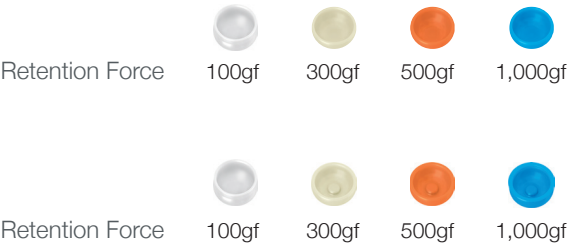
Positioner Metal Socket

Art. No.	FSMH
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Positioner Plastic Socket

Application	Art. No.
Tilting Type $\pm 10^{\circ}$	MSHP (Blue)
	MSMP (Orange)
	MSLP (Ivory)
	MSOP (White)
Non Tilting Type $\pm 5^{\circ}$	MSHPN (Blue)
	MSMPN (Orange)
	MSLPN (Ivory)
	MSOP (White)



Positioner Block Out Spacer

Art. No.	PBOS
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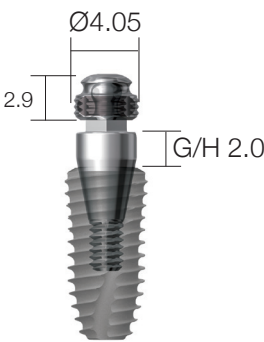
Positioner Core Tool

Art. No.	XPCT
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Mini Ball Attachment

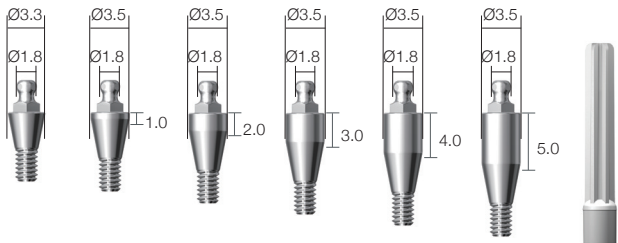
Unit: mm, Scale 1 : 1.5 / mm



BPF3 and BAB352018 and FXS4510

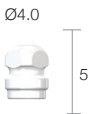
Mini Ball Abutment

G/H	Art. No.
0	BAB 35 0018
1.0	BAB 35 1018
2.0	BAB 35 2018
3.0	BAB 35 3018
4.0	BAB 35 4018
5.0	BAB 35 5018



Mini Ball Impression Coping

GICA



Mini Ball Analog

BANL



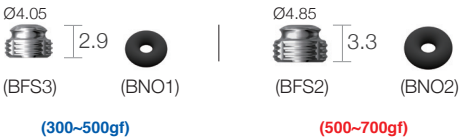
Socket Spacer

Art. No.	GBIC3L GBIC2L
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Female Socket

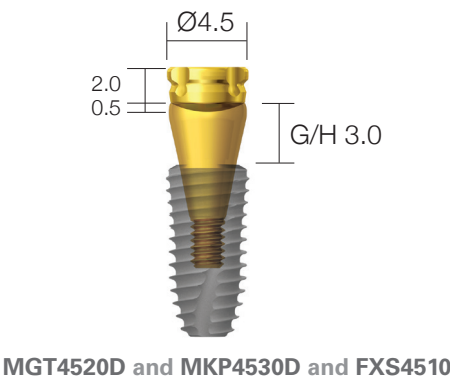
Art. No.	BPF3 (300~500gf) BPF2 (500~700gf)
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※ Note: 1) The Implantium II fixture with size of Ø3.4 body is not recommended to use with the ball abutment. Should they be used together, abutment height after assembly will become 0.5mm longer than the other sized fixtures.
 2) It is recommended to keep the torque level at 25~30 N·cm to tighten the ball abutment with fixture.

Magnetic Attachment [Dome Type]

Unit: mm, Scale 1 : 1.5 / mm



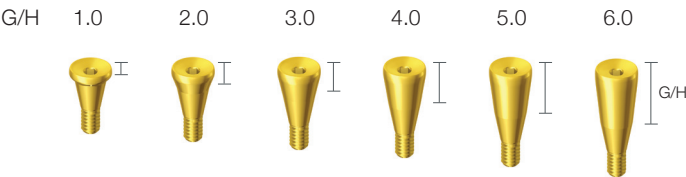
Magnetic Assay

Application	Diameter	H	Art. No.
MKP45D	Ø4.5	2.0	MGT 45 20 D
MKP55D	Ø5.5	2.0	MGT 55 20 D



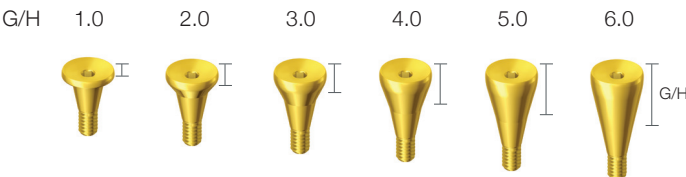
Implant Keeper Diameter Ø4.5

G/H	Art. No.
1.0	MKP 45 10 D
2.0	MKP 45 20 D
3.0	MKP 45 30 D
4.0	MKP 45 40 D
5.0	MKP 45 50 D
6.0	MKP 45 60 D



Implant Keeper Diameter Ø5.5

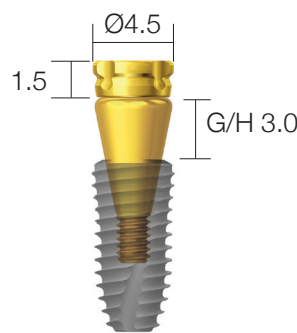
G/H	Art. No.
1.0	MKP 55 10 D
2.0	MKP 55 20 D
3.0	MKP 55 30 D
4.0	MKP 55 40 D
5.0	MKP 55 50 D
6.0	MKP 55 60 D



※ Note: 1) The Implantium II fixture with size of Ø3.4 body is not recommended to use with the magnetic abutment. Should they be used together, abutment height after assembly will become 0.5mm longer than the other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the magnetic abutment with fixture.

Magnetic Attachment [Flat Type]

Unit: mm, Scale 1 : 1.5 / mm



MGT4515 and MKP4530 and FXS4510

Magnetic Assay

Application	Diameter	H	Art. No.
MKP45	Ø4.5	1.5	MGT 45 15
MKP45	Ø4.5	2.0	MGT 45 20
MKP55	Ø5.5	1.5	MGT 55 15
MKP55	Ø5.5	2.0	MGT 55 20

Ø4.5
1.5  Retention Force 400gf

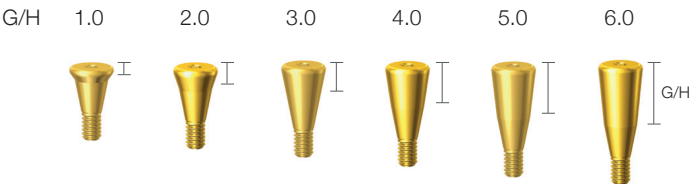
Ø4.5
2.0  Retention Force 450gf

Ø5.5
1.5  Retention Force 700gf

Ø5.5
2.0  Retention Force 750gf

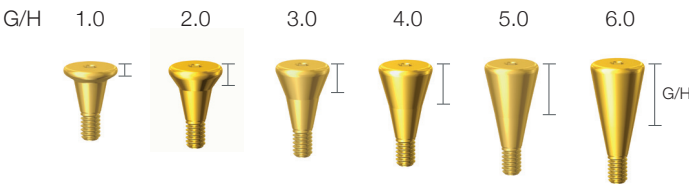
Implant Keeper Diameter Ø4.5

G/H	Art. No.
1.0	MKP 45 10
2.0	MKP 45 20
3.0	MKP 45 30
4.0	MKP 45 40
5.0	MKP 45 50
6.0	MKP 45 60



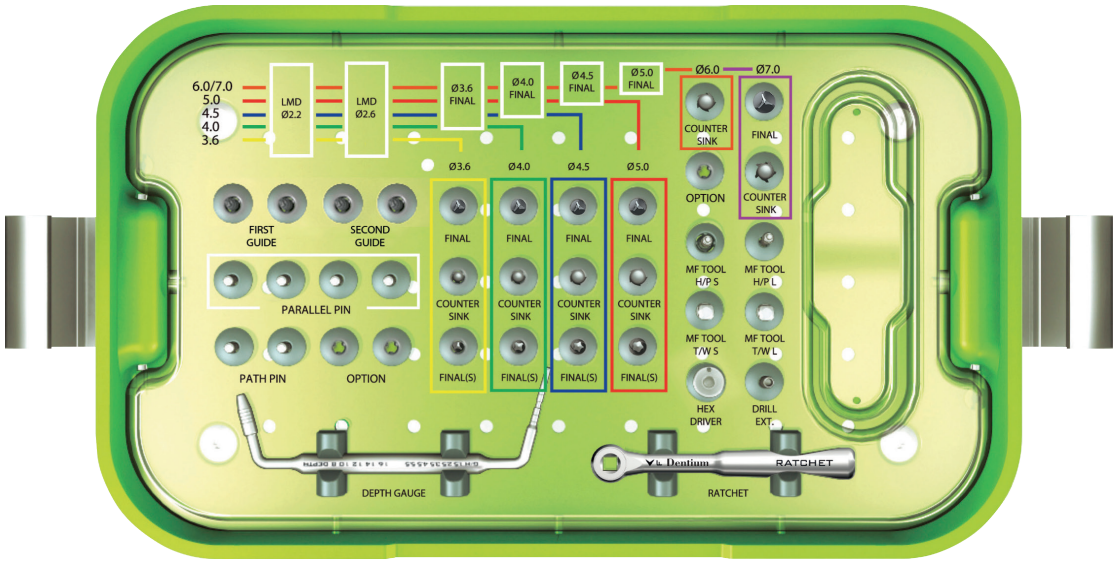
Implant Keeper Diameter Ø5.5

G/H	Art. No.
1.0	MKP 55 10
2.0	MKP 55 20
3.0	MKP 55 30
4.0	MKP 55 40
5.0	MKP 55 50
6.0	MKP 55 60



※ Note: 1) The Implantium II fixture with size of Ø3.4 body is not recommended to use with the magnetic abutment. Should they be used together, abutment height after assembly will become 0.5mm longer than the other sized fixtures.
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the magnetic abutment with fixture.

Surgical Kit [Full]



UXIF

Kit Contents

• First guide drill		XLD 22 29	• Parallel pin x4		XPP 162220 T
		XLD 22 35 (Stopper)			
• Second guide drill		XLD 26 29	• Hand-piece adapter		XID 27 H
		XLD 26 35 (Stopper)			XID 32 H
• Final drill (Stopper)		XFD 34 35	• Ratchet adapter		XID 26 W
		XFD 38 35			XID 32 W
		XFD 43 35			
		XFD 48 35			
• Final drill		XFD 34 29	• Path pin x2		XMFP A2
		XFD 38 29			
		XFD 43 29	• Hex driver		XHD 26 T
		XFD 48 29			
		XFD 58 31	• Drill extension		XDE
• Countersink		XCS 36 29 SW	• Depth gauge		XDGL
		XCS 40 29 SW			
		XCS 45 29 SW	• Ratchet		XRCA1
		XCS 50 29 SW			
		XCS 60 29 SW			
		XCS 70 29 SW			

Surgical Kit [Standard]

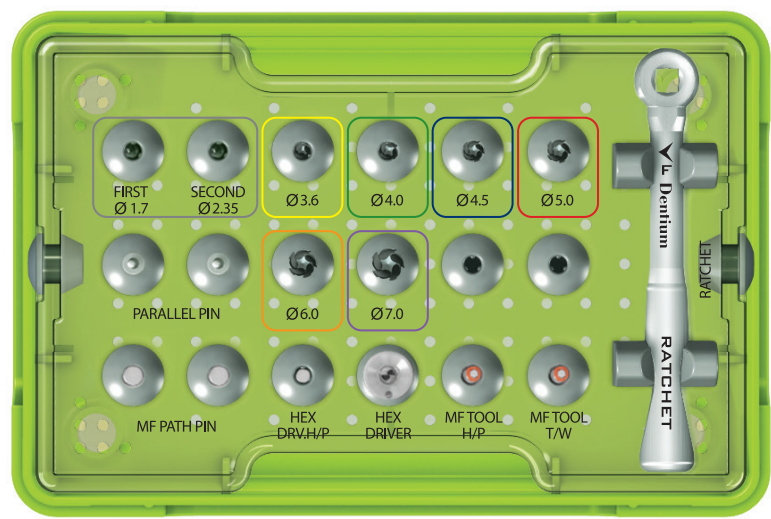


UXIFN

Kit Contents

• First guide drill		XLD 22 31	• Parallel pin		XPP 162220 T
• Second guide drill		XLD 26 31			XPP 162226 T
• Final drill		XFD 34 31	• Hand-piece adapter		XID 30 H
		XFD 38 31	• Ratchet adapter		XID 26 W
		XFD 43 31	• MF path pin x2		XMFPA2
		XFD 48 31	• Hex driver		XHD 26 T
		XFD 58 31			XHD 25 H
• Countersink		XCS 36 29 SW	• Drill extension		XDE
		XCS 40 29 SW	• Ratchet		XRCA1
		XCS 45 29 SW			
		XCS 50 29 SW			
		XCS 60 29 SW			
		XCS 70 29 SW			

Surgical Kit [Short Implant]

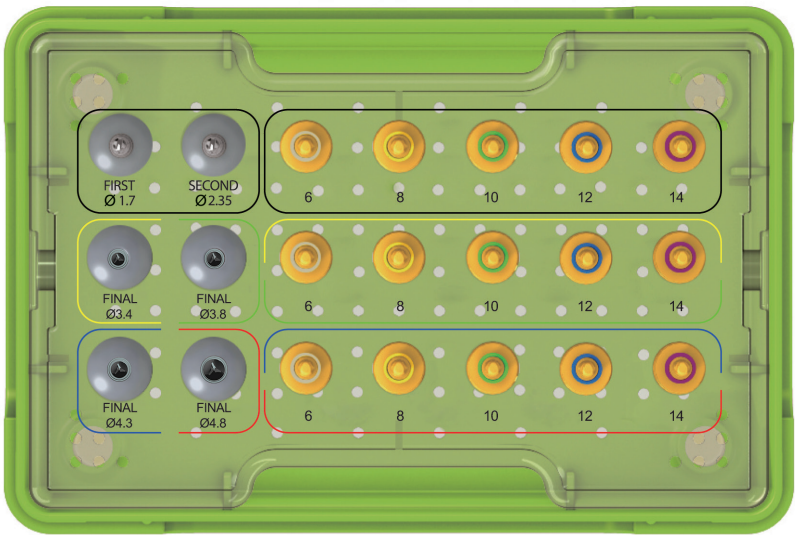


XSIK

Kit Contents

• First guide drill		XLD 22 07	• Parallel pin × 2		XPP 162212
• Second guide drill		XLD 26 07	• Hand-piece adapter		XID 27 H
• Final drill		XFC 36 07	• Ratchet adapter		XID 26 W
		XFC 40 07	• MF path pin x2		XMFP A2
		XFC 45 07	• Hex driver		XHD 26 T
		XFC 50 07			XHD 25 H
		XFC 60 07	• Ratchet		XRCA1
		XFC 70 07			

Drill Stopper Kit



XDS

Kit Contents

- Guide drill stopper / First, Second

 XLD 22 35

 XLD 26 35

- Final drill stopper / 34, 38

 XFD 34 35

 XFD 38 35

- Final drill stopper / 43, 48

 XFD 43 35

 XFD 48 35

- Stopper-first guide drill, second guide drill

XLDST 14 XLDST 12 XLDST 10 XLDST 08 XLDST 06



- Stopper-final drill / 34, 38

XFDST 14 XFDST 12 XFDST 10 XFDST 08 XFDST 06



- Stopper-final drill / 43, 48

XFDST 14L XFDST 12L XFDST 10L XFDST 08L XFDST 06L



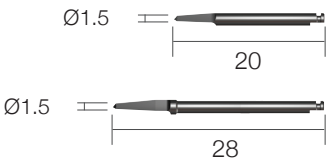
Drill



Unit: mm, Scale 1 : 1 / mm

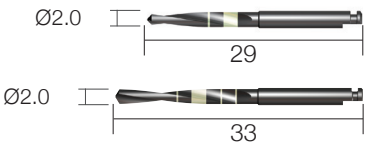
Guide Drill

Diameter	L	Art. No.
Ø1.5	20	XGD 15 20
Ø1.5	28	XGD 15 28



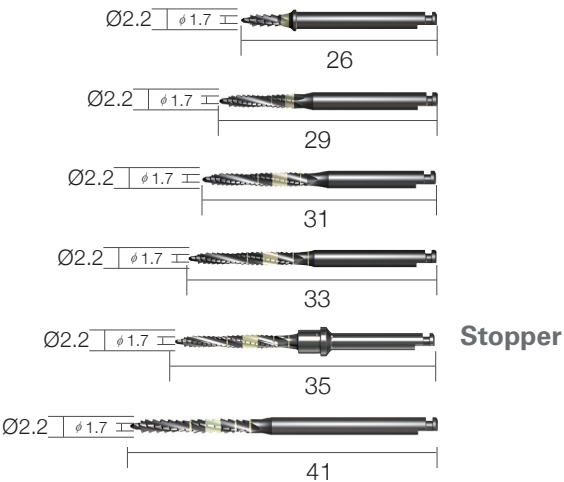
First Drill

Diameter	L	Art. No.
Ø2.0	29	XFD 20 29
Ø2.0	33	XFD 20 33



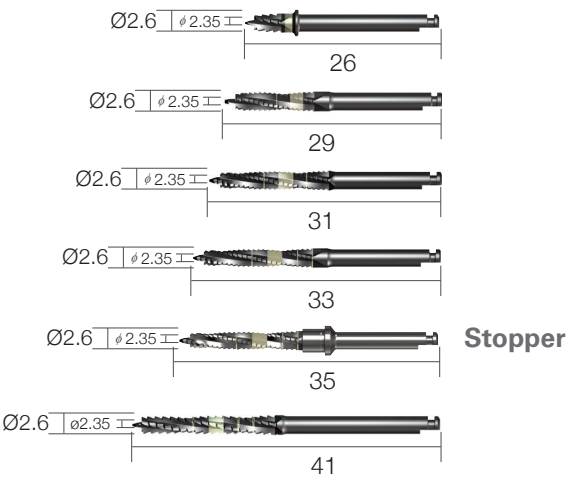
First Guide Drill

Diameter	L	Art. No.
Ø2.2	26	XLD 22 07
Ø2.2	29	XLD 22 29
Ø2.2	31	XLD 22 31
Ø2.2	33	XLD 22 33
Ø2.2	35	XLD 22 35
Ø2.2	41	XLD 22 41



Second Guide Drill

Diameter	L	Art. No.
Ø2.6	26	XLD 26 07
Ø2.6	29	XLD 26 29
Ø2.6	31	XLD 26 31
Ø2.6	33	XLD 26 33
Ø2.6	35	XLD 26 35
Ø2.6	41	XLD 26 41



※ Note: Drill speed 1,000rpm, 30~45N·cm with irrigation.

Drill

Unit: mm, Scale 1 : 1 / mm

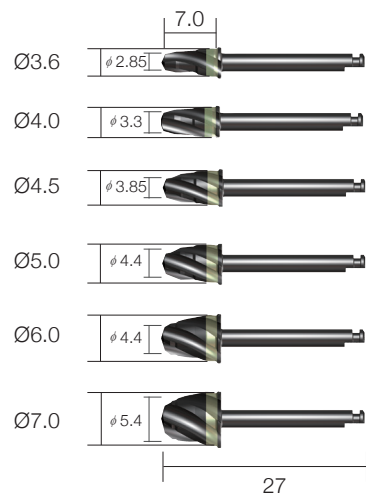
Pilot Drill

Diameter	L	Art. No.
Ø3.0	30	XPD 20 30



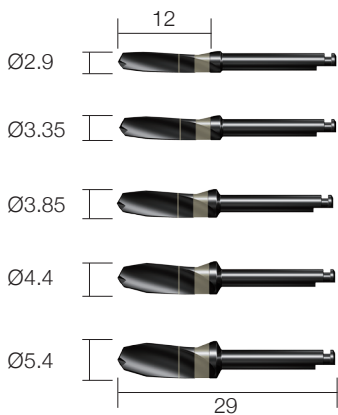
Final Drill | For Short Implant

Diameter	L	Art. No.
Ø3.6	27	XFC 36 07
Ø4.0	27	XFC 40 07
Ø4.5	27	XFC 45 07
Ø5.0	27	XFC 50 07
Ø6.0	27	XFC 60 07
Ø7.0	27	XFC 70 07



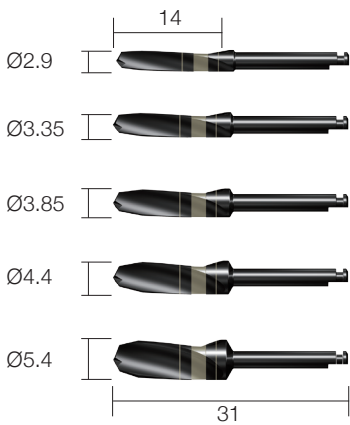
Final Drill | Length-29mm

Diameter	L	Art. No.
Ø2.9	29	XFD 34 29
Ø3.35	29	XFD 38 29
Ø3.85	29	XFD 43 29
Ø4.4	29	XFD 48 29
Ø5.4	29	XFD 58 29SW



Final Drill | Length-31mm

Diameter	L	Art. No.
Ø2.9	31	XFD 34 31
Ø3.35	31	XFD 38 31
Ø3.85	31	XFD 43 31
Ø4.4	31	XFD 48 31
Ø5.4	31	XFD 58 31



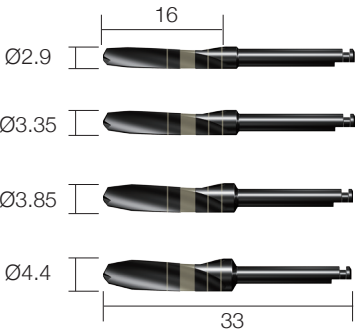
※ Note: Drill speed 1,000rpm, 30~45N·cm with irrigation.

Drill

Unit: mm, Scale 1 : 1 / mm

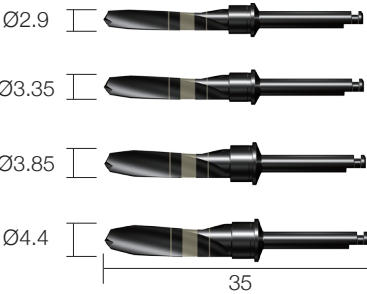
Final Drill | Length-33mm

Diameter	L	Art. No.
Ø2.9	33	XFD 34 33
Ø3.35	33	XFD 38 33
Ø3.85	33	XFD 43 33
Ø4.4	33	XFD 48 33



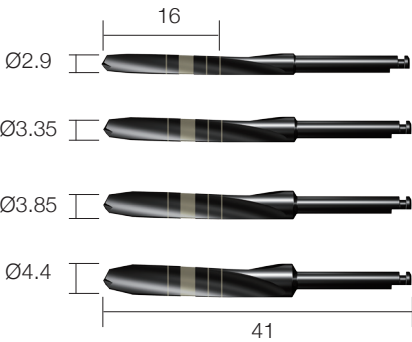
Final Drill | Length-35mm | Stopper

Diameter	L	Art. No.
Ø2.9	35	XFD 34 35
Ø3.35	35	XFD 38 35
Ø3.85	35	XFD 43 35
Ø4.4	35	XFD 48 35



Final Drill | Length-41mm

Diameter	L	Art. No.
Ø2.9	41	XFD 34 41
Ø3.35	41	XFD 38 41
Ø3.85	41	XFD 43 41
Ø4.4	41	XFD 48 41



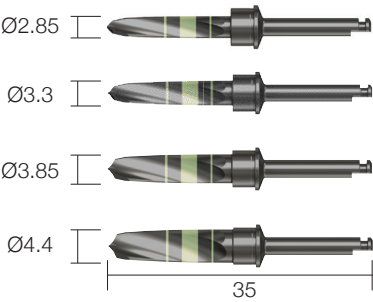
※ Note: Drill speed 1,000rpm, 30~45N-cm with irrigation.

Drill

Unit: mm, Scale 1 : 1 / mm

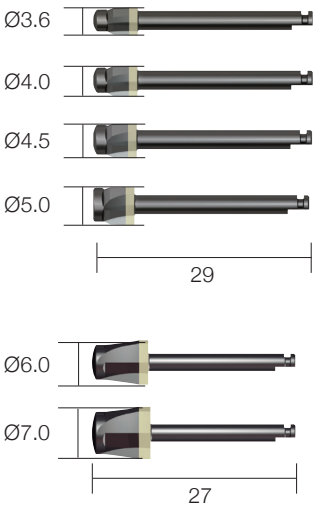
Harvest Drill | Length-35mm | Stopper

Diameter	L	Art. No.
Ø2.85	35	XFH 34 35
Ø3.3	35	XFH 38 35
Ø3.85	35	XFH 43 35
Ø4.4	35	XFH 48 35



Countersink

Diameter	L	Art. No.
Ø3.6	29	XCS 36 29 SW
Ø4.0	29	XCS 40 29 SW
Ø4.5	29	XCS 45 29 SW
Ø5.0	29	XCS 50 29 SW
Ø6.0	27	XCS 60 29 SW
Ø7.0	27	XCS 70 29 SW



Round Bur

Diameter	L	Art. No.
Ø2.0	33	XRB 20 33
Ø3.0	33	XRB 30 33



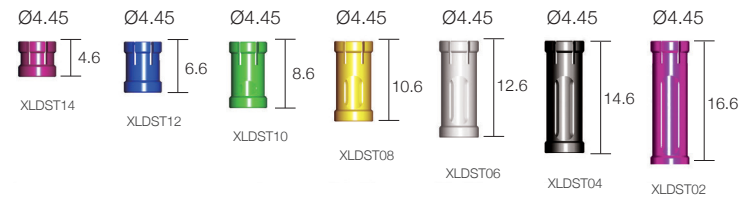
※ Note: Drill speed 1,000rpm, 30~45N-cm with irrigation.

Stopper

Unit: mm, Scale 1 : 1 / mm

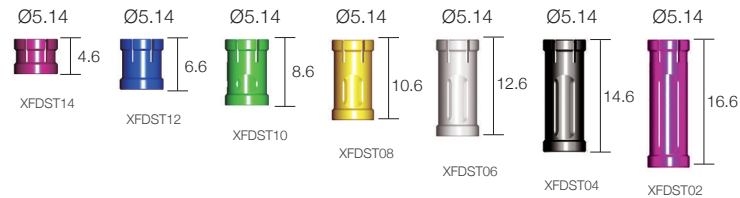
Stopper | For first guide drill, second guide drill

Drilling Depth	L	Art. No.
14	4.6	XLDST 14
12	6.6	XLDST 12
10	8.6	XLDST 10
08	10.6	XLDST 08
06	12.6	XLDST 06
04	14.6	XLDST 04
02	16.6	XLDST 02



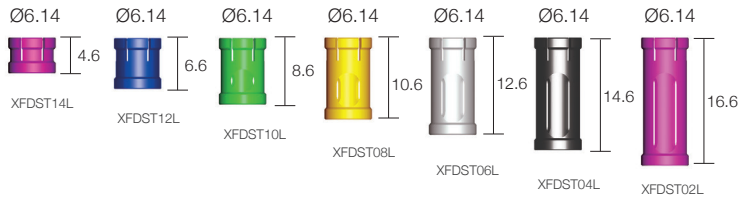
Stopper | For final drill 3435, 3835

Drilling Depth	L	Art. No.
14	4.6	XFDST 14
12	6.6	XFDST 12
10	8.6	XFDST 10
08	10.6	XFDST 08
06	12.6	XFDST 06
04	14.6	XFDST 04
02	16.6	XFDST 02



Stopper | For final drill 4335, 4835

Drilling Depth	L	Art. No.
14	4.6	XFDST 14L
12	6.6	XFDST 12L
10	8.6	XFDST 10L
08	10.6	XFDST 08L
06	12.6	XFDST 06L
04	14.6	XFDST 04L
02	16.6	XFDST 02L

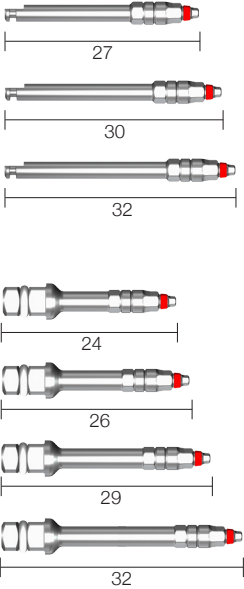


Instrument

Unit: mm, Scale 1 : 1 / mm

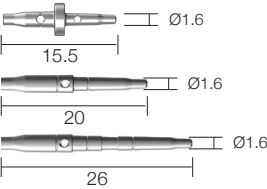
Adapter | Hex 1.28mm

Type	L	Art. No.
Hand-piece	27	XID 27 H
	30	XID 30 H
	32	XID 32 H
Ratchet	24	XID 24 W
	26	XID 26 W
	29	XID 29 W
	29	XID 32 W



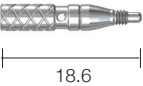
Parallel Pin | For first guide drill, second guide drill

Diameter	Art. No.
Ø1.6	XPP 162212
Ø1.6	XPP 162220T
Ø1.6	XPP 162226T



Path Pin

L	Art. No.
18.6	XMFP A2

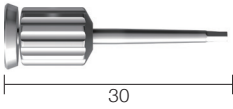
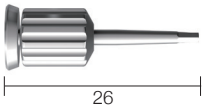
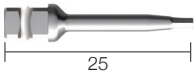
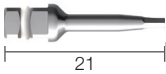


Instrument

Unit: mm, Scale 1 : 1 / mm

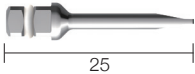
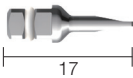
Hex Driver | Hex 1.28mm

Type	L	Art. No.
Hand-piece	25	XHD 25 H
Ratchet	21	XHD 21 W
	25	XHD 25 W
	27	XHD 27 W
Manual	26	XHD 26 T
	30	XHD 30 T



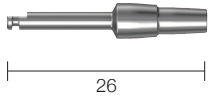
Slot Driver

Type	Art. No.
Ratchet	SDA 17 R
	SDA 25 R



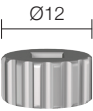
Drill Extension

XDE



Driver | Manual

Type	Art. No.
Manual	XHDHT

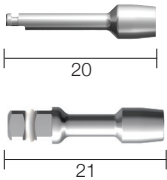


Instrument

Unit: mm

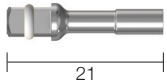
Adapter | For screw & ball abutment | Scale 1 : 1 / mm

Type	Art. No.
Hand-piece	XMAA1
Ratchet	XMA 21W



Adapter | For mini ball abutment | Scale 1 : 1 / mm

IPST21W



Ratchet

XRCA1



Torque Wrench | Scale 1 : 0.7 / mm

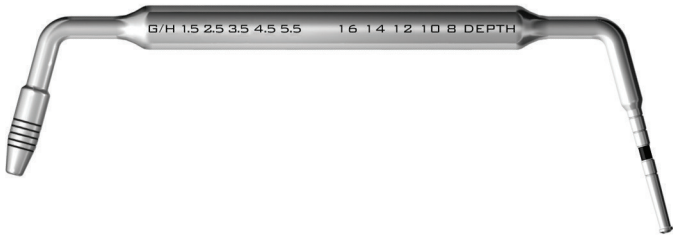
XNTW



Depth Gauge

XDGL

※ Note: One side of Depth Gauge measures the osteotomy depth and the other side measures the gingival height from the top of the implant.



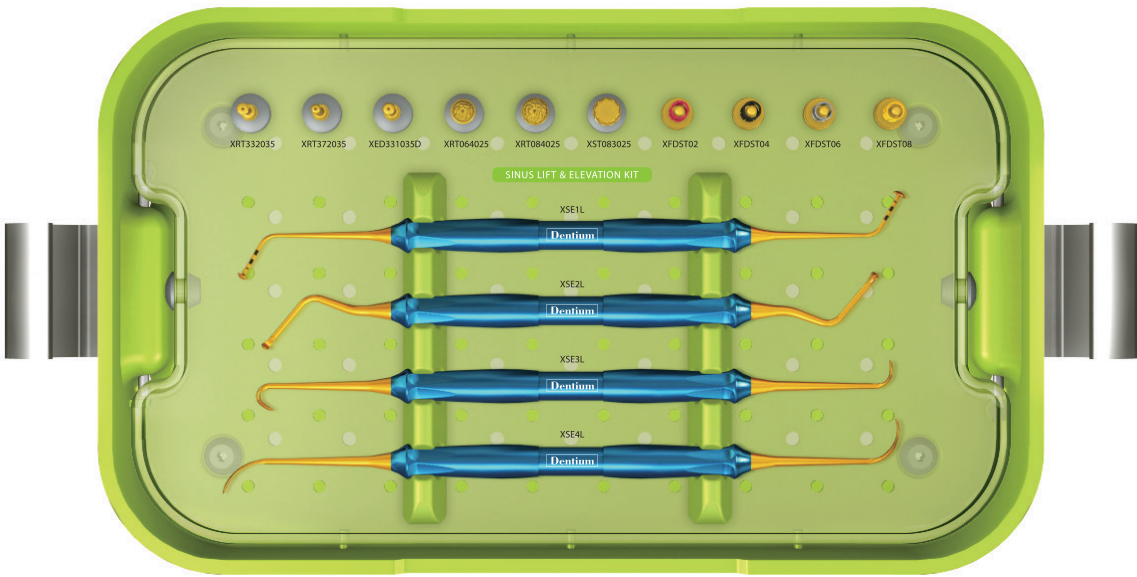
Tissue Punch | Scale 1 : 1 / mm

XTS40



※Punching size : Ø4.0

DASK [Dentium Advanced Sinus Kit]



DASK

Kit Contents

- DASK drill

 XRT**33**2035

 XRT**37**2035

 XED**33**1035D

 XRT**06**4025

 XRT**08**4025

 XST**08**3025
- Stopper

 XFDST **08**

 XFDST **06**

 XFDST **04**

 XFDST **02**
- Sinus elevation instrument

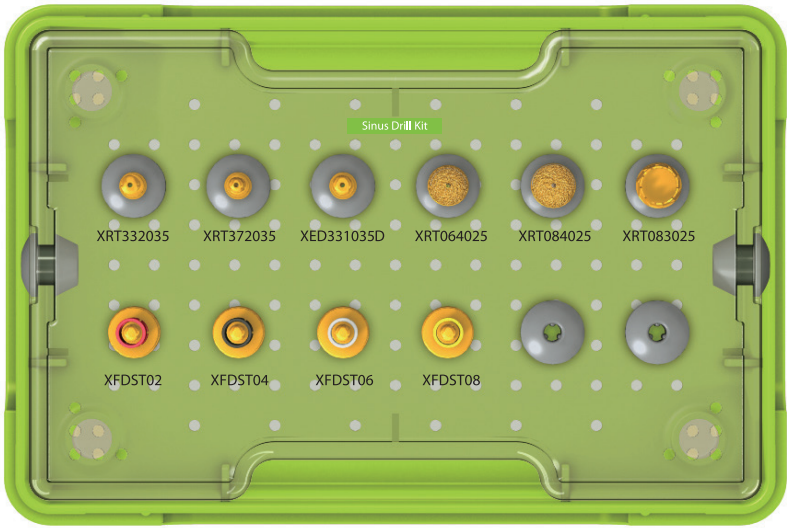
 XSE**1L**

 XSE**2L**

 XSE**3L**

 XSE**4L**

Sinus Bur Kit / Sinus Kit

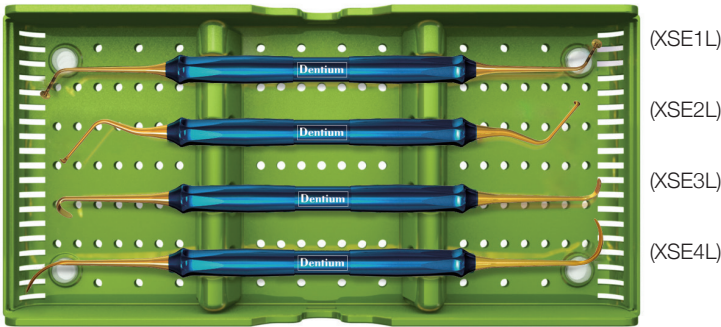


SDK

Kit Contents

- DASK drill
 - XRT**33**2035
 - XRT**37**2035
 - XED**33**1035D
 - XRT**06**4025
 - XRT**08**4025
 - XST**08**3025
- Stopper
 - XFDST **08**
 - XFDST **06**
 - XFDST **04**
 - XFDST **02**

Sinus Kit



XSKL

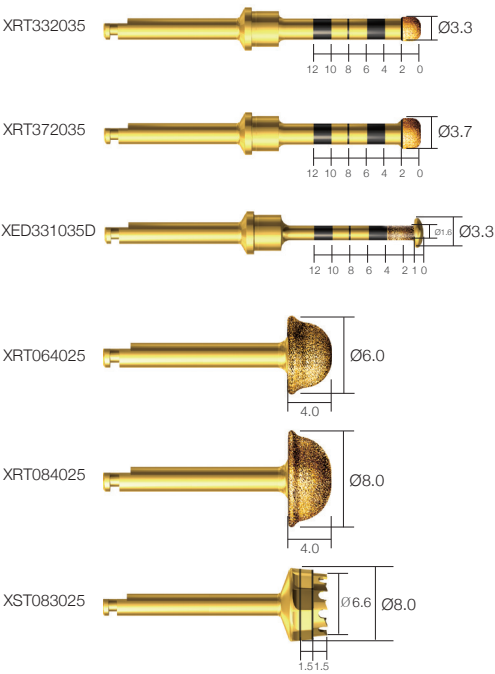
DASK / Sinus Bur Kit / Sinus Kit

Unit: mm

DASK Drill | Scale 1 : 1.2 / mm

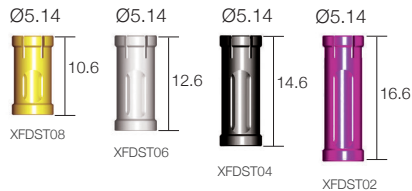
Type	DASK Drill #	Art.No.
Crestal Approach	DASK Drill #1	XRT 33 2035
	DASK Drill #2	XRT 37 2035
	DASK Drill #3	XED 33 1035D
Lateral Approach	DASK Drill #4	XRT 06 4025
	DASK Drill #5	XRT 08 4025
	DASK Drill #6	XST 08 3025

※ Note: Drill speed 800 to 1,200rpm, 30~45N·cm with irrigation.

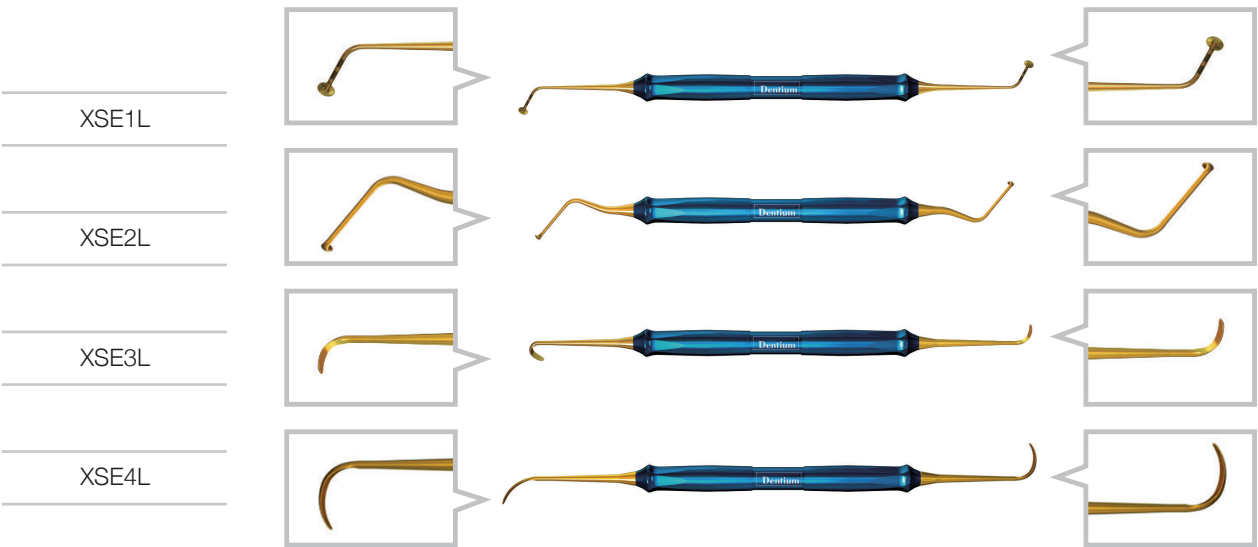


Stopper | For XRT332035, XRT372035, XED331035D | Scale 1 : 1 / mm

Drilling Depth	L	Art.No.
08	10.6	XFDST 08
06	12.6	XFDST 06
04	14.6	XFDST 04
02	16.6	XFDST 02



Sinus Elevation Instrument | Scale 1 : 0.45 / mm

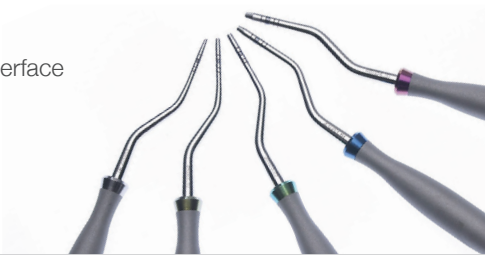


Osteotome Kit

Unit: mm

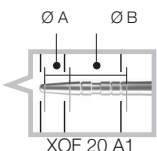
Osteotome Kit

Osteotome compresses the bone laterally, providing denser bony interface rather than removing valuable bone from the surgical site.

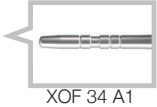


Osteotome | Final drill type | Scale 1 : 0.4 / mm

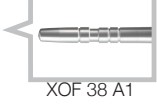




XOF 20 A1



XOF 34 A1



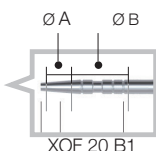
XOF 38 A1



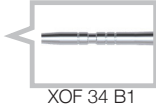
XOF 43 A1



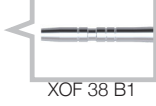
XOF 48 A1



XOF 20 B1



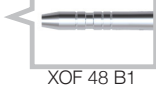
XOF 34 B1



XOF 38 B1



XOF 43 B1



XOF 48 B1



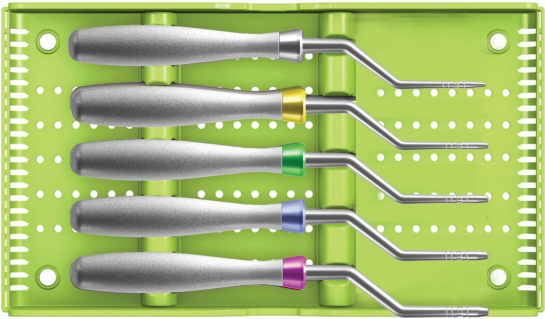
Type **A**
(Convex)



Type **B**
(Concave)

Osteotome Kit

Type	Art.No.	Ø A	Ø B
XOFK Type A (Convex)	XOF 20 A1	Ø 1.7	Ø 2.8
	XOF 34 A1	Ø 2.3	Ø 2.8
	XOF 38 A1	Ø 2.7	Ø 3.2
	XOF 43 A1	Ø 2.8	Ø 3.8
	XOF 48 A1	Ø 3.0	Ø 4.3
XOFBK Type B (Concave)	XOF 20 B1	Ø 1.7	Ø 2.8
	XOF 34 B1	Ø 2.3	Ø 2.8
	XOF 38 B1	Ø 2.7	Ø 3.2
	XOF 43 B1	Ø 2.8	Ø 3.8
	XOF 48 B1	Ø 3.0	Ø 4.3



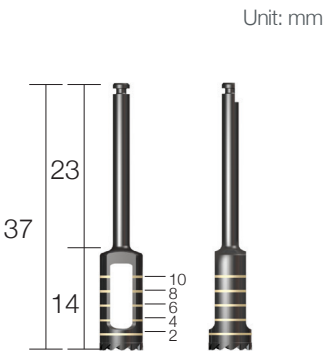
XOFK (Type A)

XOFBK (Type B)

Trephine Kit

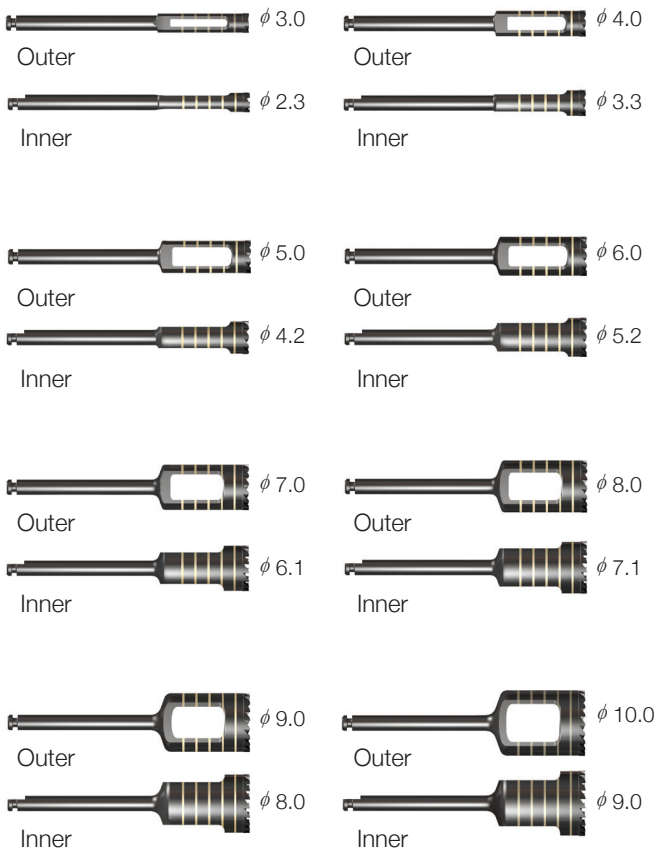
Trephine Bur

- Excellent fine cutting
- Strong engagement when attaching the trephine to cortical bone
- Cut-outs facilitates ease of harvest retrieval
- 5 scale marks on the Trephine drill from 2mm to 10mm
- Easy harvesting



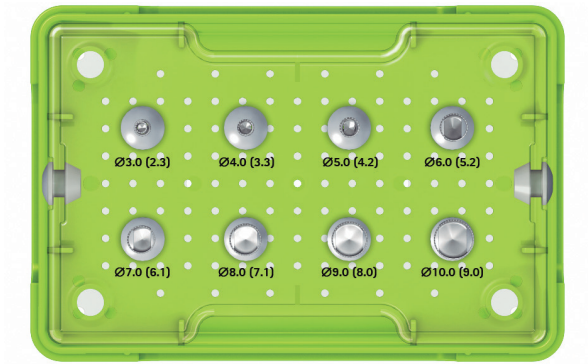
Trephine Bur | Scale 1 : 0.5 / mm

Outer Diameter	Inner Diameter	Art. No.
Ø3.0	Ø2.3	XTP 24 03
Ø4.0	Ø3.3	XTP 34 04
Ø5.0	Ø4.2	XTP 44 05
Ø6.0	Ø5.2	XTP 54 06
Ø7.0	Ø6.1	XTP 64 07
Ø8.0	Ø7.1	XTP 74 08
Ø9.0	Ø8.0	XTP 84 09
Ø10.0	Ø9.0	XTP 94 10

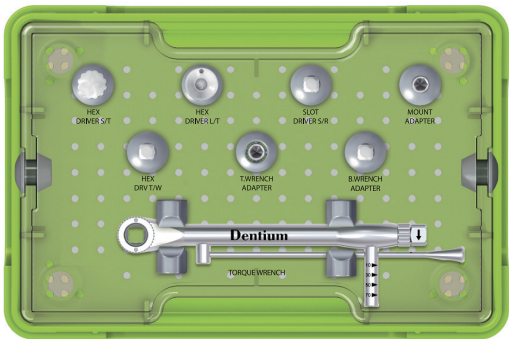


Trephine Kit

XIT



Prosthetic Kit



XIP

Hex Driver S/T | Scale 1 : 1 / mm

XHD 15



Hex Driver L/T | Scale 1 : 1 / mm



Slot Driver | Scale 1 : 1 / mm

SDA 25 R



Mount Adapter | Scale 1 : 1 / mm

XMAA1



Hex Driver T/W | Scale 1 : 1 / mm

XHD 25 W



T/W Adapter | Scale 1 : 1 / mm

XMA 21 W



Mini Ball Adapter | Scale 1 : 1 / mm

IPST 21 W



Torque Wrench | Scale 1 : 0.5 / mm

XNTW



Planning Kit

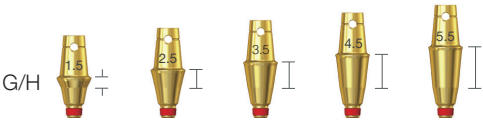
Unit: mm, Scale 1 : 1 / mm



Kit Contents

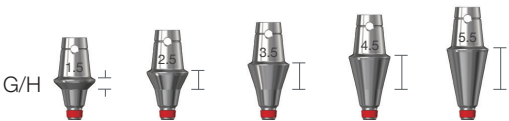
Diameter Ø4.5 | Combi & Dual abutment

G/H	Art.No.
1.5	PDAB 45 15
2.5	PDAB 45 25
3.5	PDAB 45 35
4.5	PDAB 45 45
5.5	PDAB 45 55



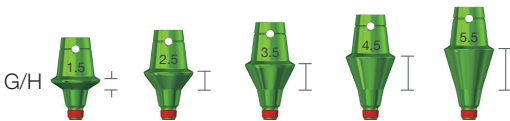
Diameter Ø5.5 | Combi & Dual abutment

G/H	Art.No.
1.5	PDAB 55 15
2.5	PDAB 55 25
3.5	PDAB 55 35
4.5	PDAB 55 45
5.5	PDAB 55 55



Diameter Ø6.5 | Combi & Dual abutment

G/H	Art.No.
1.5	PDAB 65 15
2.5	PDAB 65 25
3.5	PDAB 65 35
4.5	PDAB 65 45
5.5	PDAB 65 55



Angled 15° | Angled abutment

Diameter	G/H	Art.No.
Ø4.5	2.0	PAAB 15 45 20
Ø4.5	4.0	PAAB 15 45 40
Ø5.5	2.0	PAAB 15 55 20
Ø5.5	4.0	PAAB 15 55 40



Angled 25° | Angled abutment

Diameter	G/H	Art.No.
Ø4.5	2.0	PAAB 25 45 20
Ø4.5	4.0	PAAB 25 45 40
Ø5.5	2.0	PAAB 25 55 20
Ø5.5	4.0	PAAB 25 55 40

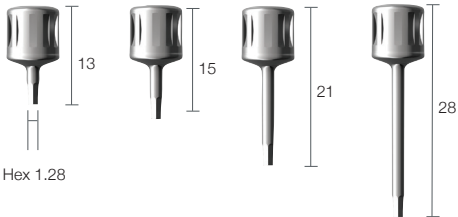


Prosthetic and Laboratory Instrument

Unit: mm

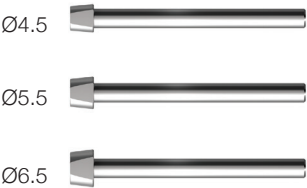
Hex Driver | Hex 1.28 mm | Scale 1 : 1 / mm

L	Art. No.
13	XHD 13
15	XHD 15
21	XHD 21
28	XHD 28



Reamer Guide for Combi/Dual Abutment | Scale 1 : 1 / mm

Diameter	Art. No.
Ø 4.5	CRG 45 L
Ø 5.5	CRG 55 L
Ø 6.5	CRG 65 L



Reamer Guide for Screw Abutment | Scale 1 : 1 / mm

Type	Art. No.
Bridge	SRG BL
Single	SRG SL



Prosthetic and Laboratory Instrument

Reamer Handle | Scale 1 : 0.5 / mm

CRH



Hand Wrench | Scale 1 : 1 / mm

XHW



Reamer (Combi/Dual Abutment) | Scale 1 : 1 / mm

CRM



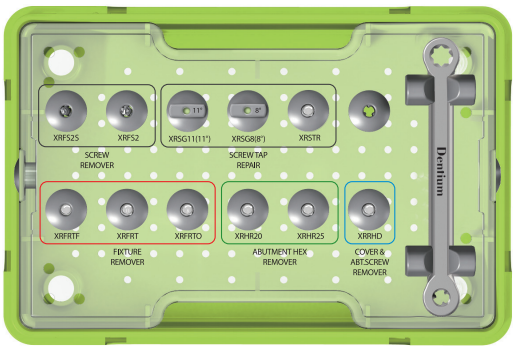
Reamer (Screw Abutment) | Scale 1 : 1 / mm

SRM



Help Kit

Unit: mm

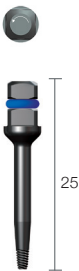


XIH

Cover & Abutment Screw Remover

Scale 1 : 1 / mm

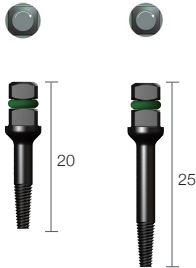
L	Art. No
25	XRRHD



Abutment Hex Remover

Scale 1 : 1 / mm

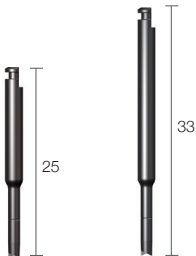
L	Art. No
20	XRHR20
25	XRHR25



Screw Remover

Scale 1 : 1 / mm

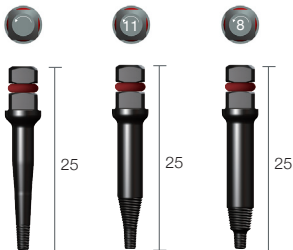
L	Art. No
25	XRFS2S
33	XRFS2



Fixture Remover

Scale 1 : 1 / mm

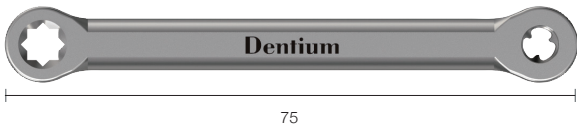
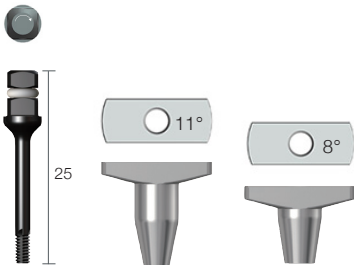
Type	Art. No
Remover	XRFRT
	XRFRTF
	XRFRTTO
Wrench	XRFRW

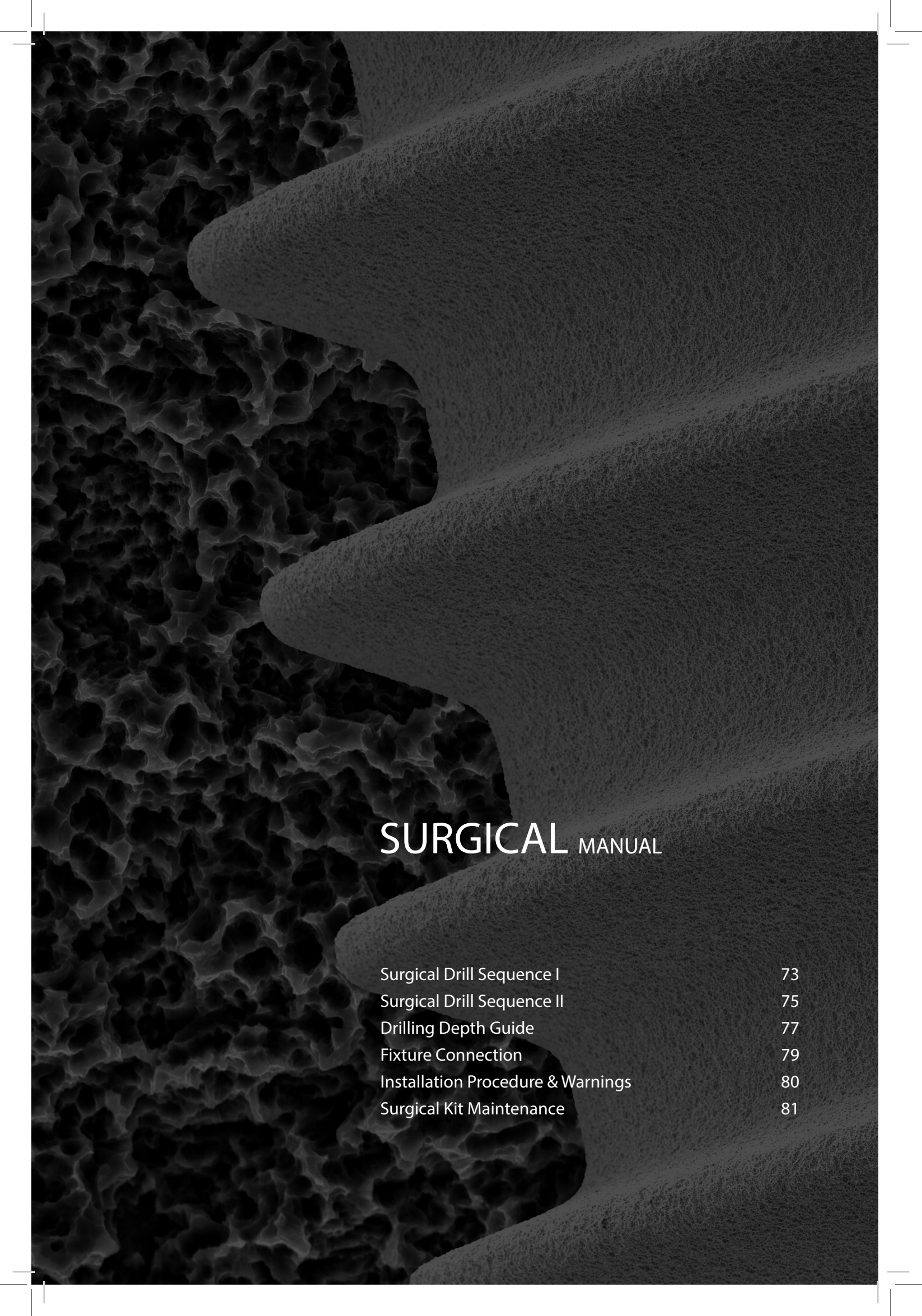


Screw Tap Repair

Scale 1 : 1 / mm

Type	Art. No
Tap	XRSTR
11° Guide	XRSG11
8° Guide	XRSG8

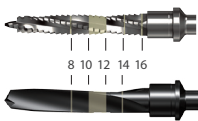




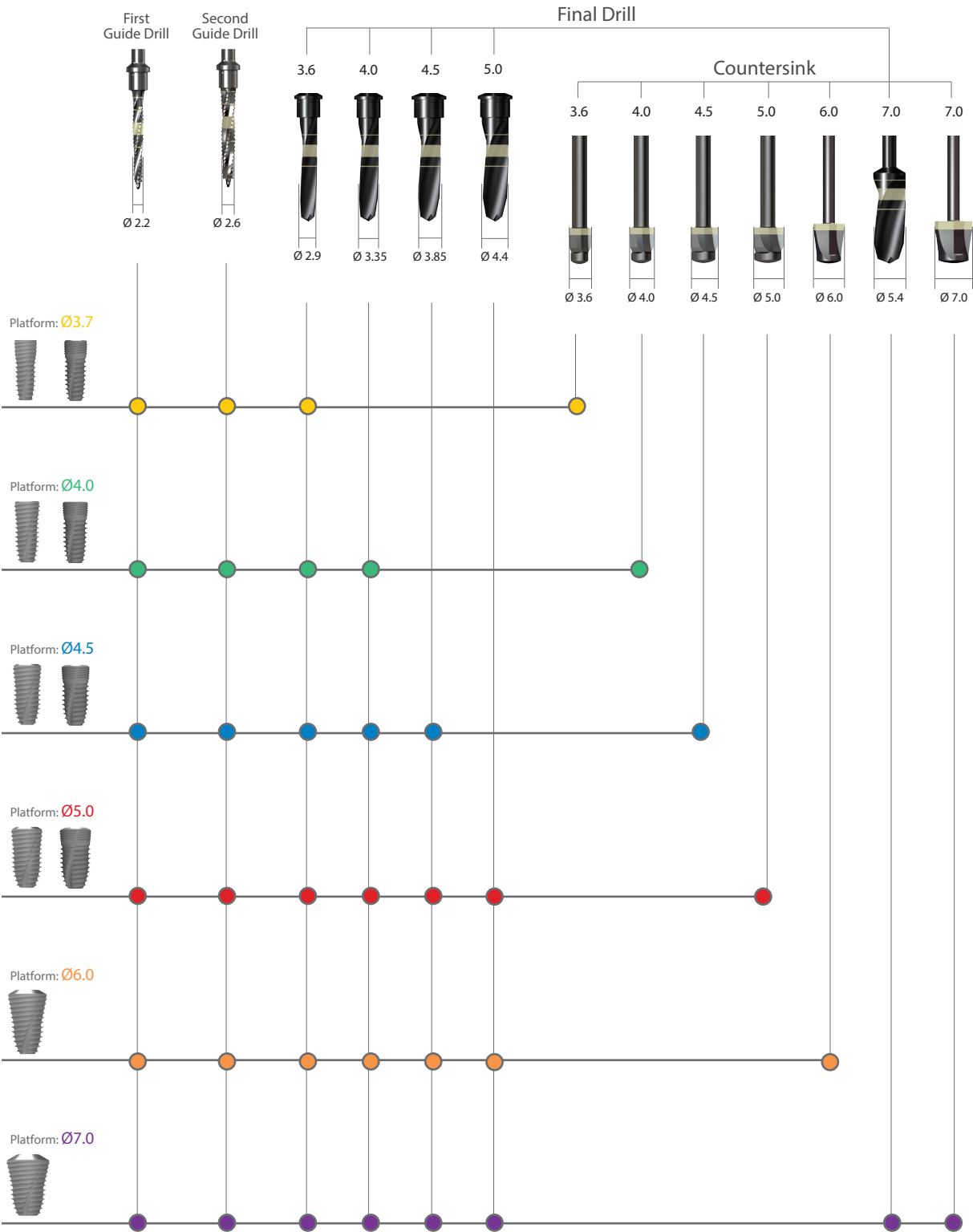
SURGICAL MANUAL

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Surgical Drill Sequence I



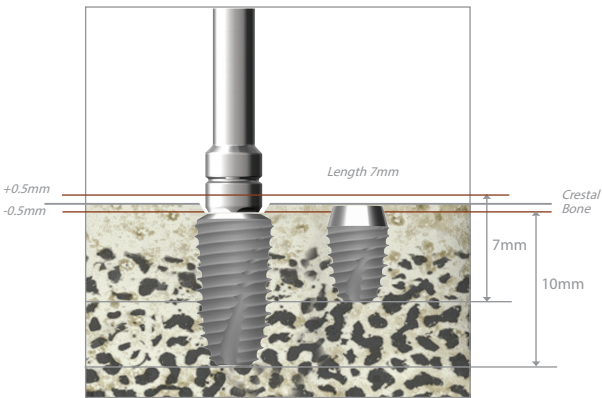
Drilling Sequence Guide (Final Drill)



During Fixture Insertion, 30 ~ 45N·cm Torque at 20rpm is Recommended

- Countersink drill is used in cases with dense cortical bone.
- If the bone density is D1~D3, it is recommended to countersink after final drill.
- The actual diameter of the Countersink drill is 0.1mm larger than the fixture platform.

Determination of Fixture Top Level



Top level of fixture needs to be located 0.5mm below the marginal crestal bone level to minimize bone loss after implantation. However, only for the fixture of 7mm length, top level of fixture should be located 0.5mm above the marginal crestal bone level.

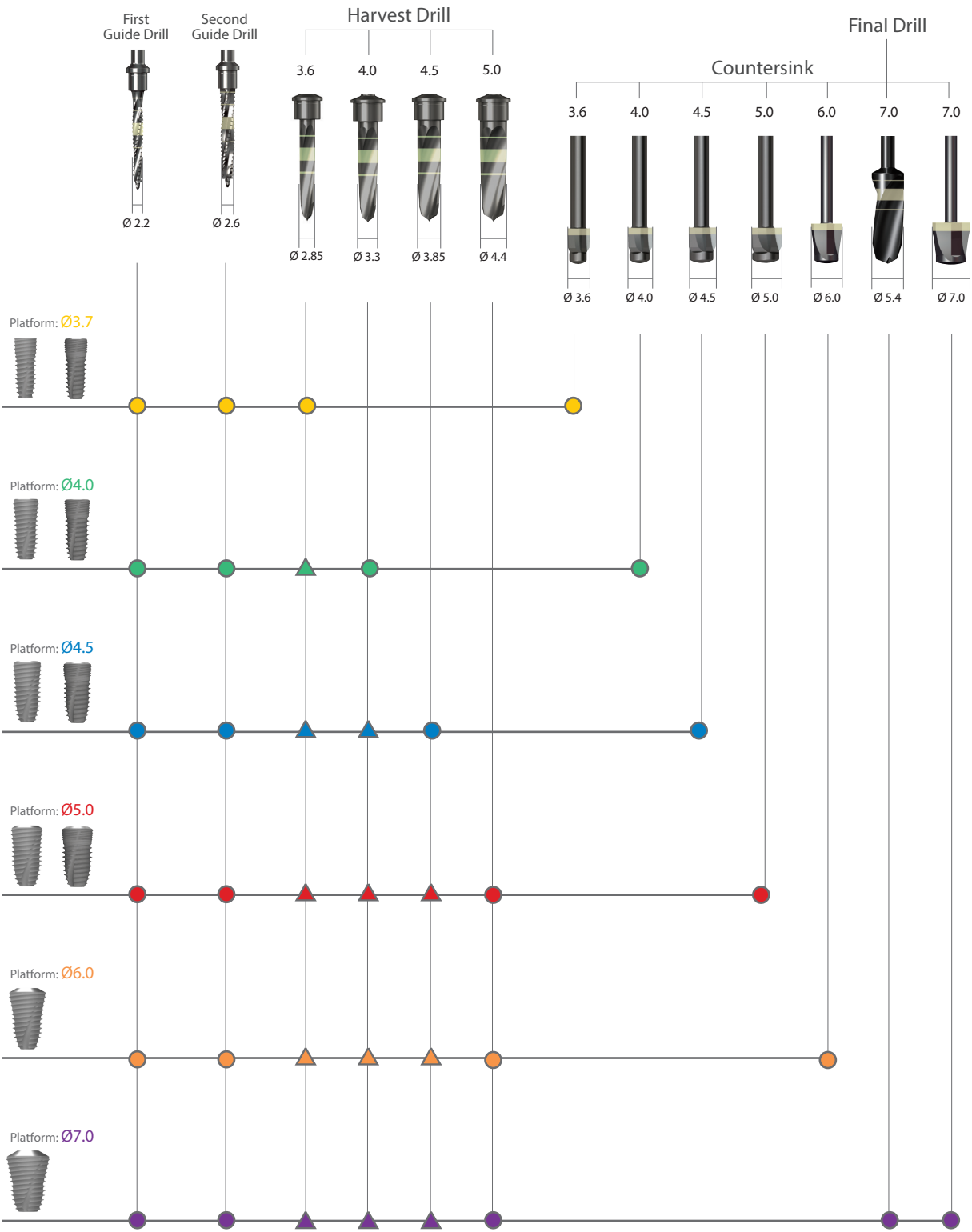
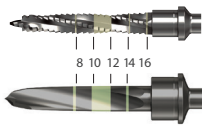
Depth Indication



- Use the depth gauge after first drill / First guide drill to check depth of drilling.
- Place the depth gauge against the wall of the osteotomy.

Surgical Drill Sequence II

Drilling Sequence Guide (Havrest Drill)

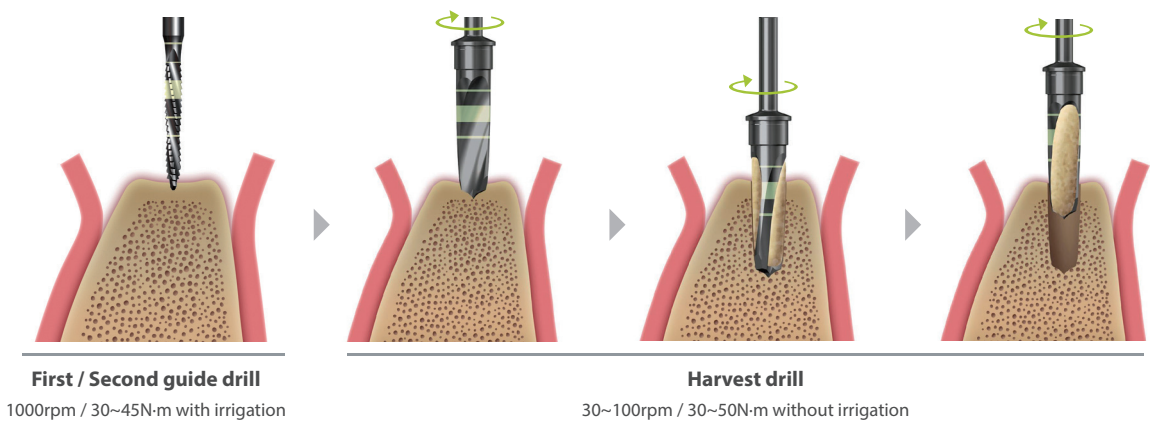


△ : During the 4.3/4.8 fixture insertion into the bone density of D3~D4, the 3.4/3.8 harvest drilling process can be skipped.

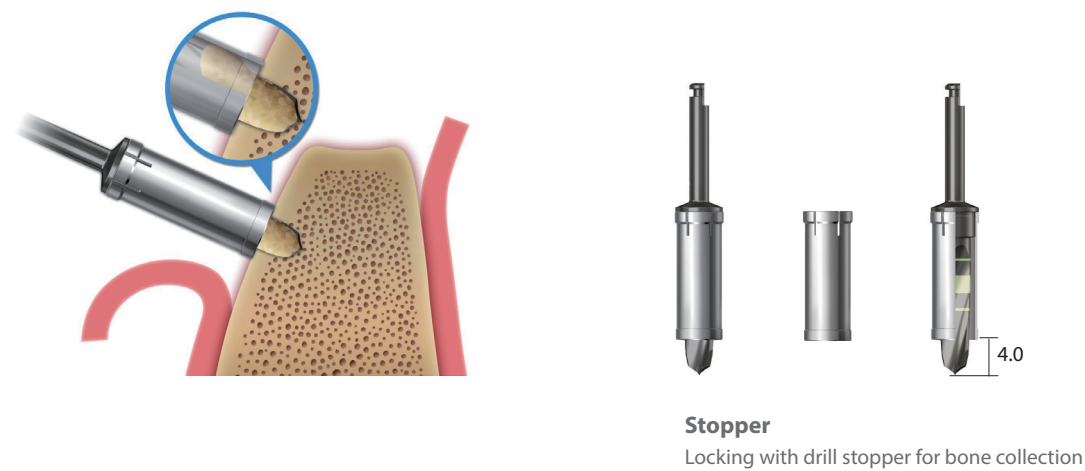
Harvest Drill

Simultaneous and effective autogenous bone collection during the final drilling procedure using a specially designed drill

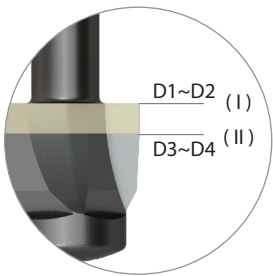
- Sharp pointed tip design of the drill prevents drill chatter and helps guide drill path.
- Available drill stopper helps control drill depth for safe and efficient bone collection, especially in the buccal side of ridge.
- Recommended drill speed of less than 100rpm/50N-cm helps preserve the vital autogenous bone.
- Excellent clinical results may be achieved when harvested autogenous bone is combined with OSTEON™ II.



Bone Collection in the Buccal Side of Ridge: 50~200rpm / 30~50N·cm

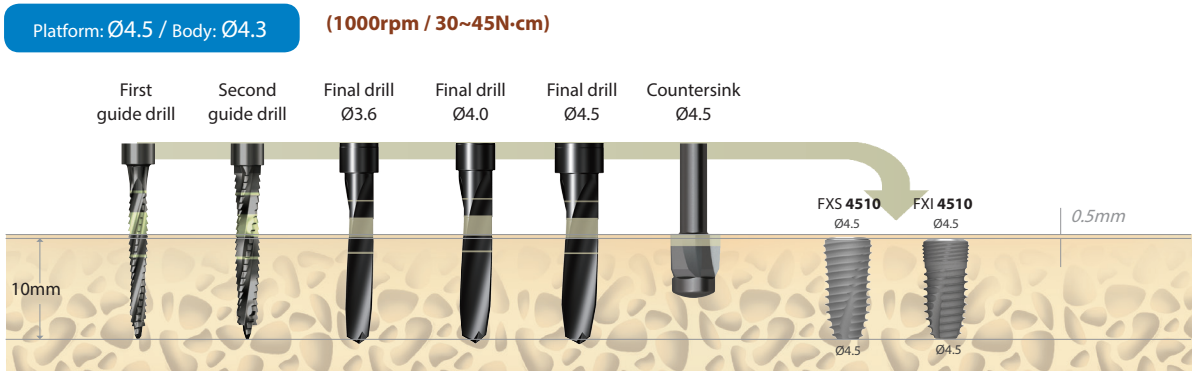
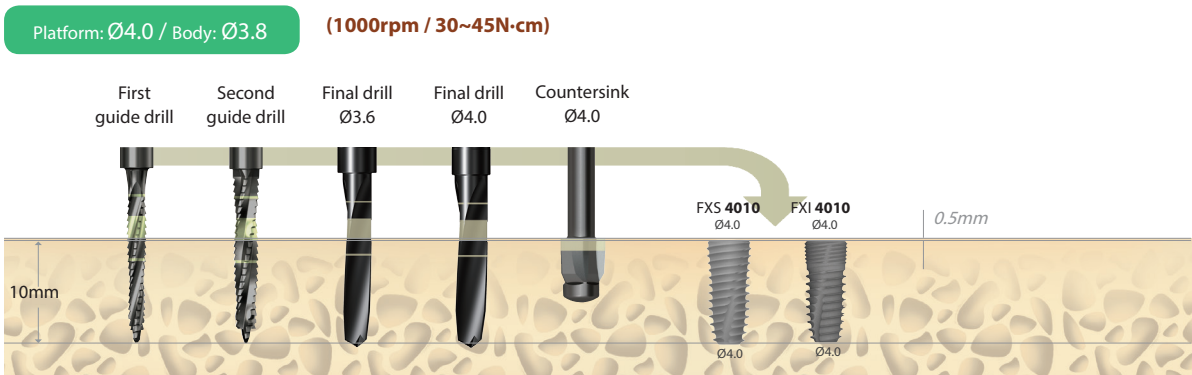
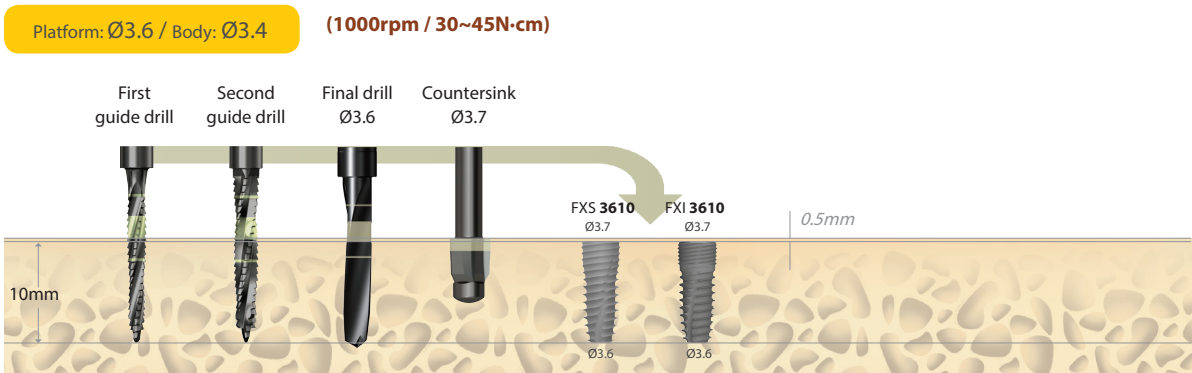


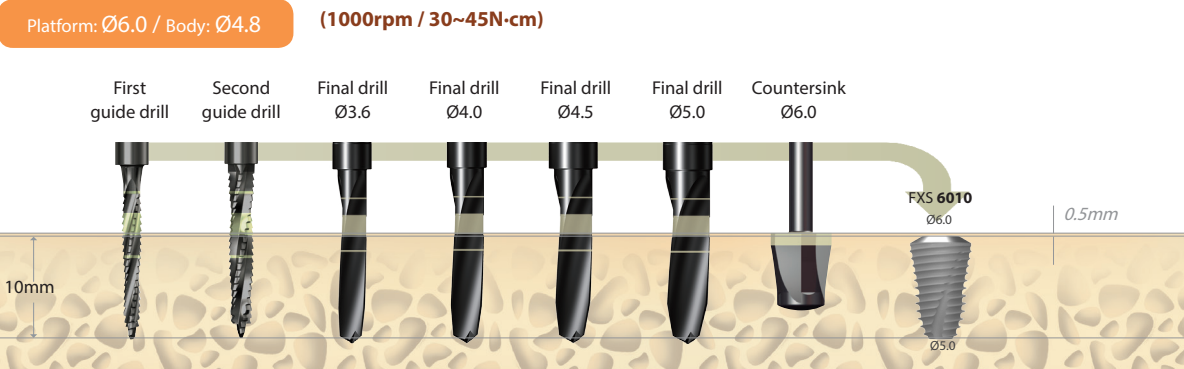
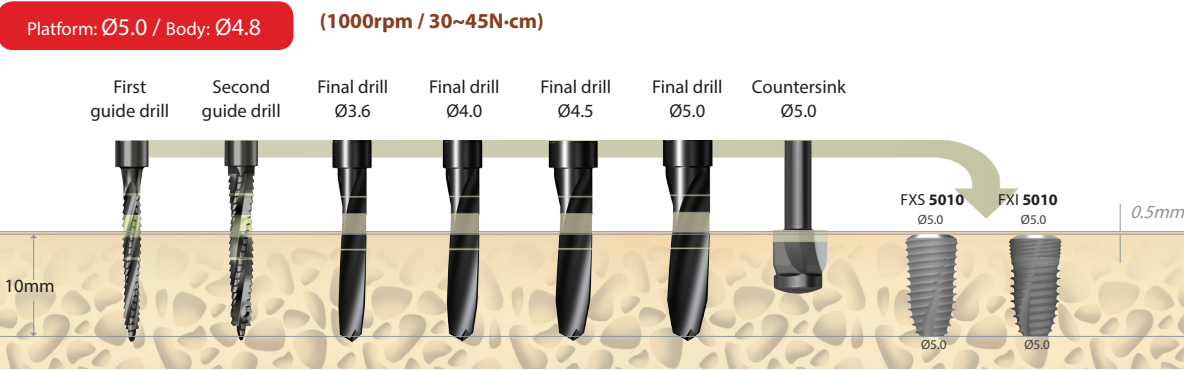
Drilling Depth Guide



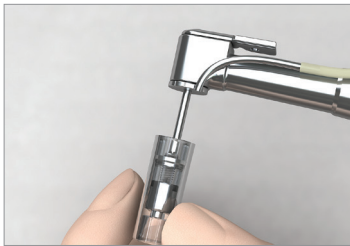
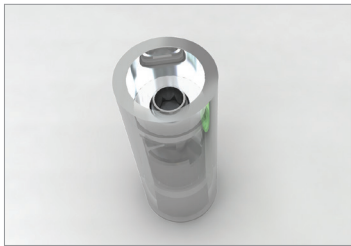
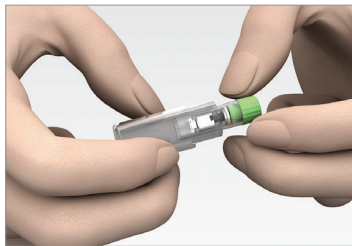
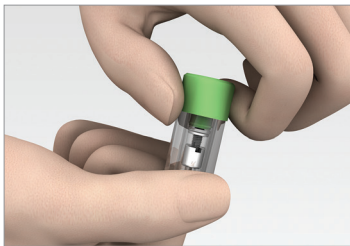
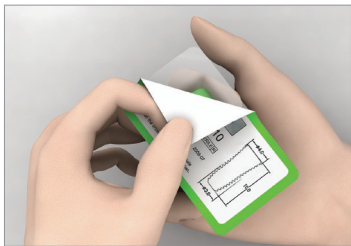
Countersink Depth Guide

- Drilling depth of the countersink depends on the patient's bone quality.
- If the bone density is D1~D2, it is recommended to drill up to the top line (I) of laser mark on the countersink.
- If the bone density is D3~D4, it is recommended to drill up to the bottom line (II) of laser mark on the countersink.





Fixture Connection



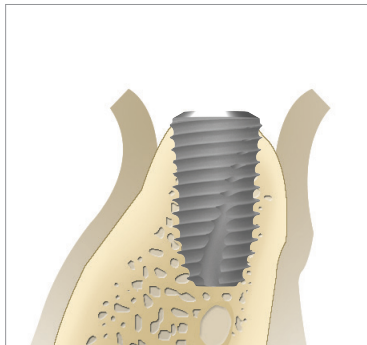
Caution_ When opening the fixture pack, hold the fixture container upward and engage the adapter into the fixture.



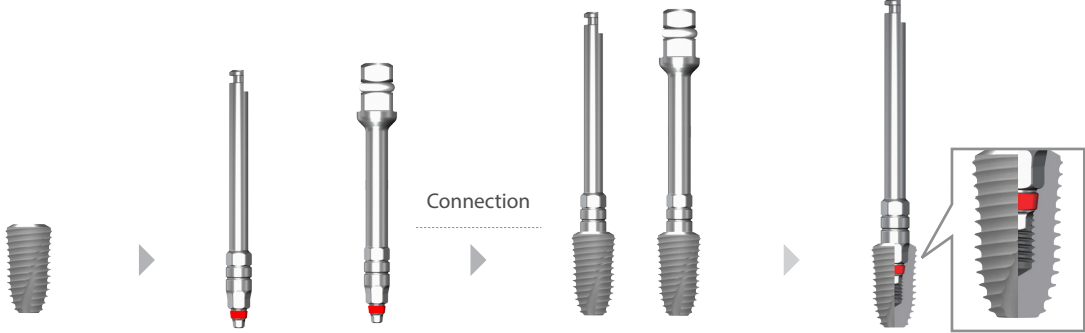
By hand-piece
20rpm / 35N-cm



By ratchet



Directions Using the Hand-piece / Ratchet Adapter



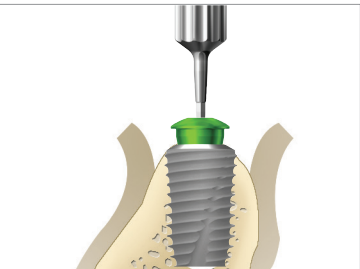
Hand-piece
Adapter

Ratchet
Adapter

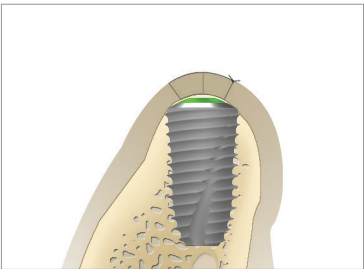
The Hand-piece Adapter/Ratchet Adapter must be connected firmly together with the internal hex inside the fixture

Installation Procedure & Warnings

Cover Screw

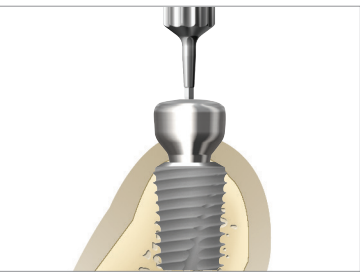


By Hex Driver

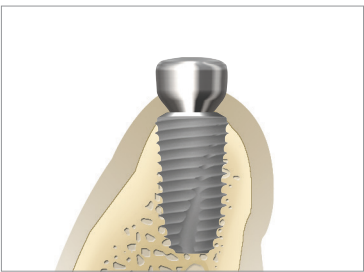


Cover Screw (CS36)
connection

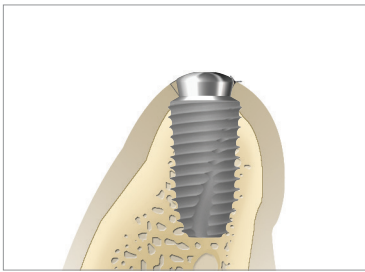
Healing Abutment



By Hex Driver



Healing Abutment connection



Healing Abutment (HAB402020L)
connection in thin gingiva

Warnings

Dental Implant surgery and restoration involve complex dental procedures. Appropriate and adequate training in proper technique is strongly recommended prior to use.

- Improper medical examination and/or treatment plan can result in implant failure and/or loss of supportive bone.
- Improper initial stability and/or excessive occlusal forces during healing period may lead to osseointegration failure.
- Excessive insertion torque may lead to mechanical failure or implant biologic failure due to bone compression and necrosis.
- When forces or loads are greater than its design, implant or abutment fracture could happen. Therefore clinicians should make careful decisions with regards to clinical treatment planning to minimize the risk of fracture. Appropriate implant quantity, occlusal interface and a nightguard are essential. Potential excessive loading conditions may include the following:

- 01 Inadequate number of implants are placed.
- 02 Implant width and/or length are inappropriate for a treatment site.
- 03 Prosthesis which has excessive cantilever length due to inadequate biomechanical design
- 04 Continuous occlusal force are generated by incomplete connection between implant and abutment and/or abutment screw loosening.
- 05 Direct Casting Abutment angles are greater than 30° from the vertical axis of the implant.
Direct Abutments are not for angulation.
- 06 Occlusal interferences causing excessive lateral forces
- 07 Patient parafunctions such as bruxism
- 08 Inadequate dental laboratory casting procedures
- 09 Improper prosthesis fit
- 10 Trauma from patient habits or accidents
- 11 Excessive marginal bone loss caused by inadequate bone width and/or advanced periimplantitis

Surgical Kit Maintenance

Manual Cleaning and Sterilization Procedure

It is important to use protective clothing and face shield while cleaning contaminated instruments. Always wear protective glasses, mask, gloves, etc. for your safety.

Cleaning

- 1 Rinse instruments immediately after use under running tap water (<40°C) for a minimum of one (1) minute to remove all debris including extraneous body fluids, bone debris and tissue.
- 2 Soak all instruments immediately after rinsing in an enzymatic cleaning solution* for 10 to 20 minutes (Do not soak overnight).

* Follow manufacturer’s instructions and observe recommended cleaning solution concentrations (enzymatic detergent with a pH level between 7-10 and temperature not to exceed 40°C). Do not use incompatible cleaning solutions to clean instruments.
- 3 For internal irrigation drills, use a 1mL syringe and a 25 gauge needle to clean the drill irrigation hole with a minimum of 0.2 mL of the prepared cleaning solution. Repeat this step two (2) more times for a total of three (3) rinses.
- 4 Scrub with a soft brush for a minimum of 1 (one) minute to remove any debris inside the drill irrigation hole.
- 5 Rinse the instruments under running tap water (<40°C) for a minimum of 1 minute. Use a 1mL syringe and a 25 gauge needle with a minimum of 0.2 mL of tap water to forcefully flush inside the drill irrigation hole. Repeat flushing of drill irrigation hole two (2) more times for a total of three (3) flushings.
- 6 Place instruments into an ultrasonic cleaner with neutral detergent**. Keep instruments inside the ultrasonic bath for 15 minutes using a frequency of 25-50 kHz. Ensure multiple instruments placed within the bath remain separated.

** Follow manufacturer’s instructions and observe recommended neutral detergent solution concentrations (neutral detergent with a pH level between 7-10 and temperature not to exceed 40°C). Do not use incompatible neutral detergent solutions to clean instruments.
- 7 Rinse instruments thoroughly with running tap water (<40°C) for a minimum of 1 (one) minute until all traces of neutral detergent solution are removed. Rinse inside drill irrigation hole using a 1mL syringe and a 25 gauge needle with a minimum of 0.2 mL of tap water. Repeat rinsing drill irrigation hole two (2) more times for a total of three (3) rinses.
- 8 Gently wipe instruments with a soft lint-free cloth or place the instruments in a drying cabinet (60°C for less than 10 hours) until fully dry. Blow residual water from drill irrigation hole using a 1mL syringe and a 25 gauge needle. Visually inspect instruments in a well-lit area to ensure they are clean, dry and free of residue.
- 9 Clean instrument trays with a germicidal cleaner prior to returning instruments into Kit.
- 10 Always check for damage or corrosion after rinsing and drying.

Sterilization

Dentium recommends either the Pre-vacuum or Gravity autoclave methods for sterilization under the conditions described below. However, autoclave performance can affect the efficacy of this process. Healthcare facilities should validate their sterilization processes employing the actual equipment and operators that routinely sterilize instruments.

All autoclaves/sterilizers should be regularly validated, maintained and checked in accordance with EN 285/EN 13060, EN ISO 17665, ANSI AAMI ST79 to ensure compliance with these and related standards. Make sure packaging is suitable for steam sterilization.

Recommended Sterilization Parameters

Method-Moist Heat Sterilization	Pre-vacuum	Gravity
Set Point Temperature	132 °C	132 °C
Exposure time	4 minutes	30 minutes
Drying time	20 minutes	40 minutes

PROSTHESIS MANUAL

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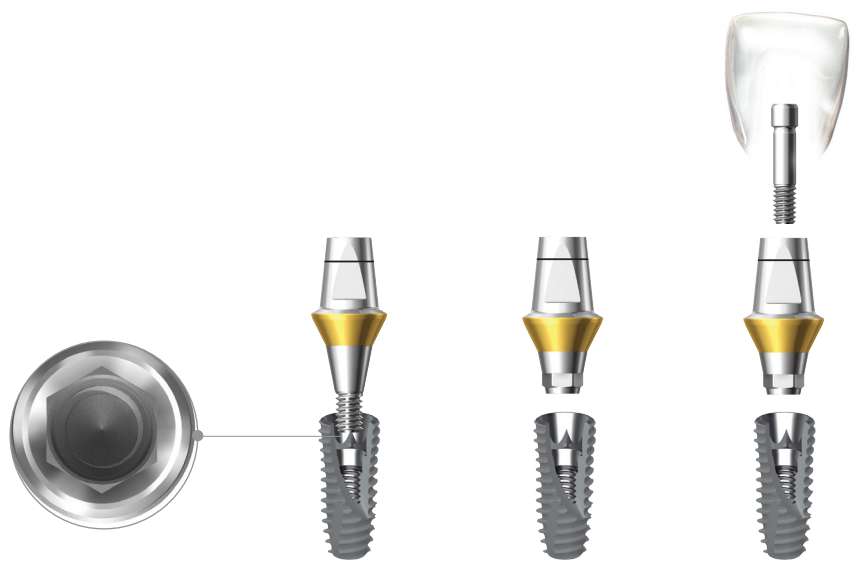
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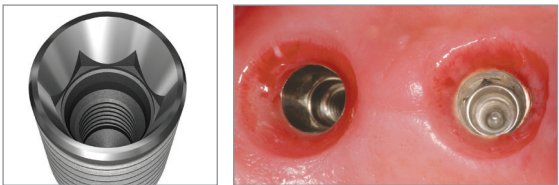
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Understanding the Implant and Prosthesis



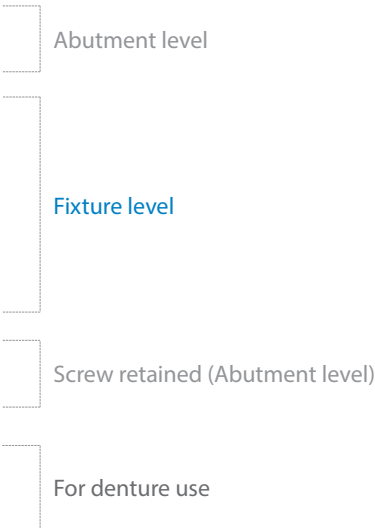
Biological Connection

- The tapered conical hex connection between implant and abutment interface provides hermetic sealing.
- The biological connection distributes the load to the fixture evenly. Therefore it may minimize bone loss.
- All implant diameters share the same internal connection. One abutment screw fits all abutments and fixtures.



Types of Abutment (Abutments are available in various diameters & gingival heights)

- Dual Abutment
- Combi Abutment
- Dual Abutment
- Dual Milling Abutment
- Angled Abutment (15°/25°)
- Direct-Casting Abutment
- Metal-Casting Abutment
- Temporary Abutment (Plastic & Titanium)
- Screw Abutment
- Angled Screw Abutment (15°/ 30°)
- Positioner Attachment
- Ball Attachment
- Magnetic Attachment



Types of Abutment

One-Piece	Two-Pieces			
	 Hex	 Non-hex	 Hex	 Non-hex
Combi Abutment	Dual Abutment		Dual Milling Abutment	
    Hex Non-hex	 Hex	 Non-hex	 Hex	 Non-hex
Screw Abutment	Angled Abutment		 Hex	 Non-hex
    Hex Non-hex	 Hex	 Non-hex	 Hex	 Non-hex
Cylinder	Metal-Casting Abutment		 Hex	 Non-hex
Abutment Level	Fixture Level			

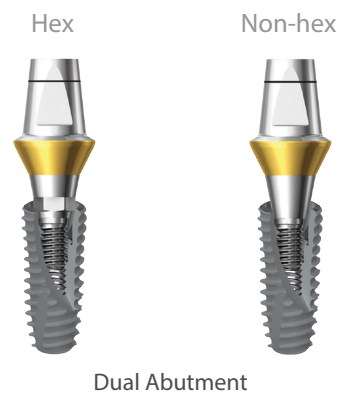
- Straight abutments are Dual and Combi Abutment.
- Depending on the insertion angle and position of the fixture, the Angled or Direct / Metal - Casting Abutment may be used.
- The Screw Abutment can be used when prosthesis retrieval is anticipated.

Selection Guideline

Ideal emergence profile for each tooth



Dual Abutment



- It is possible to take an impression at both fixture level and abutment level.
(A Dual Abutment may be interchanged with a Combi Abutment)
- For abutment level impressions, the same prosthetic procedures apply to both Dual and Combi Abutments.
- For fixture level impressions, the abutment selection takes place on the master model.
- For fixture level impressions, a precise positioning jig for abutment may be required.
- Either hex or non-hex abutments may be used, according to operator's preference.

* If a cement retained restoration requires retrieval, cutting a hole in the occlusal surface would allow access to the screw to permit removal.

Hex / Non-hex

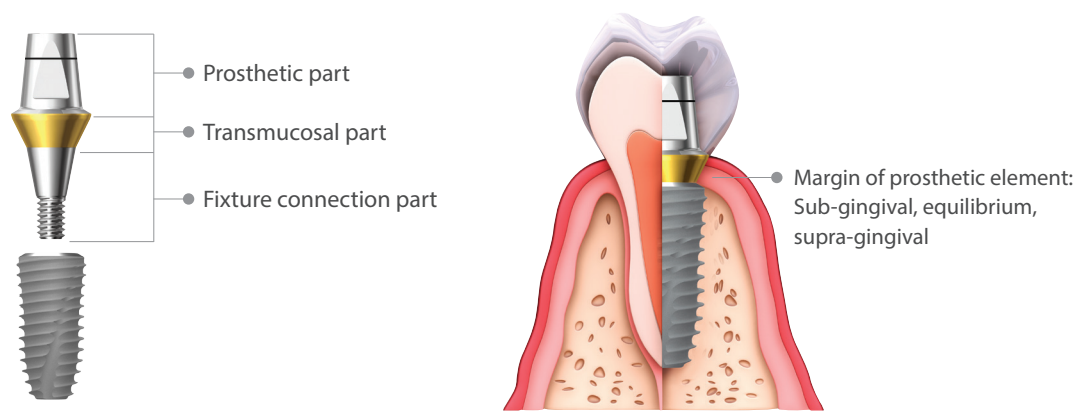
	Hex	Non-hex
Positioning Jig	Unnecessary	Required
Radiograph	Required	Unnecessary

Dual Abutment (Hex / Non-hex)

Diameter	G/H	Vertical Angle
Ø4.5	1.0mm, 1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm	5°
Ø5.5	1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm	6°
Ø6.5	1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm	7°



Combi Abutment



- The Combi Abutment is used when the implant position is optimal.
 - If the abutment selection is made in the mouth, gauge the thickness of mucosa with the depth gauge to measure the gingival height thus allowing the appropriate abutment height.
 - The Impression is taken with the snap cap.
 - When using the Combi Abutment, it remains in the mouth after the impression is taken. (Do not remove or change its position)
 - Tighten abutment screw to 25 - 35 N·cm. (retighten again before seating final prosthesis)
- * If the Combi Abutment is too long it can be adjusted 1.5mm to the bottom of the laser mark on the vertical stack of the abutment. The Combi Abutment has a short analog for the 1.5mm adjustment.
- * A resin jig can be made to record the reduction if reduced more the 1.5mm.

Combi Abutment Line Up

Diameter	G/H	Vertical Angle
Ø4.5	1.0mm, 1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm	5°
Ø5.5	1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm	6°
Ø6.5	1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm	7°



Dual Milling / Angled / Temporary / Direct-Casting Abutment / Metal-Casting Abutment



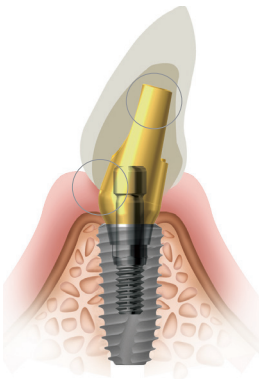
Dual Milling Abutment

- Impression is taken at fixture level.
- When using a non-hex abutment a precise seating jig should be used.
- Either hex or non-hex abutments may be used, according to operators preference.

* If a cement retained restoration requires retrieval, cutting a hole in the occlusal surface would allow access to the screw for removal.

Angled Abutment

- The Angled Abutment is recommended when the restoration path of insertion is unfavorable in either anterior or posterior sites.
- Retention force can be increased through milling process.



Direct-Casting Abutment

- Excellent for either single or bridgework
- Used as an esthetic custom made abutment.
- Used when angulation is not ideal and a standard abutment cannot be used.
- Used when there is inadequate inter-arch distance and a standard abutment cannot be used.
- A fixture level impression is taken, and the soft tissue contours can be supported.

Dual Milling / Angled / Temporary / Direct-Casting Abutment / Metal-Casting Abutment

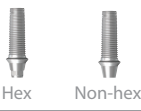
Metal-Casting Abutment

- Equivalent results for a fraction of the price
- Our highly affordable metal alloy replaces expensive gold to alleviate financial burden to all.

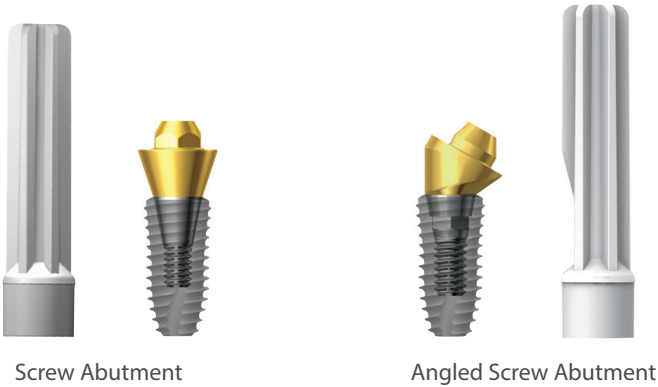
Temporary Abutment

- Temporary Abutments are available with titanium or plastic.
- The titanium abutment comes in both hex and non-hex with a gingival height of 1.0mm.
- The plastic abutment comes in diameters (Ø4.5, 5.5, 6.5) with a gingival height of 2.0mm.

Fixture Level Abutment (Hex / Non-hex)

Abutment	Diameter	G/H	Angle
Dual Milling 	Ø4.0	1.0mm	X
	Ø4.5	1.5mm	
	Ø5.5	1.5 / 2.5mm	
	Ø6.5	1.5 / 2.5 / 3.5mm	
	Ø7.5	2.5 / 3.5mm	
Angled 	Ø4.5	1.5mm 2.5mm 3.5mm	15° / 25°
	Ø5.5	1.5mm 2.5mm 3.5mm	15° / 25°
Direct-Casting Abutment 	Ø4.5	1.0mm	X
Metal-Casting Abutment 	Ø4.5	1.0mm	X
Ti-Temporary 	Ø4.5	1.0mm	X
Plastic Temporary 	Ø4.5 Ø5.5 Ø6.5	2.0mm	X

Screw Abutment

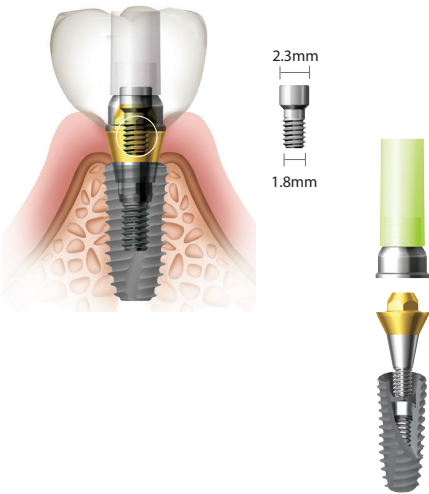


If prosthesis repair is anticipated, use of a Screw Abutment retained prosthesis enables easy retrieval.

- Useful for connecting multiple units or when there is a preference for a screw retained prosthesis.
- Useful when respective long axes of implants differ. Each side tapers by 30° and this permits up to 60° divergence between two abutments.
- Useful when the prognosis of an adjacent restoration is not ideal thus permitting easy retrieval and modification of the restoration.

Ti-Retaining Screw (1.8mm - body diameter)

- Can minimize screw loosening due to increased approximal space.
- Can endure various kinds of masticatory force.

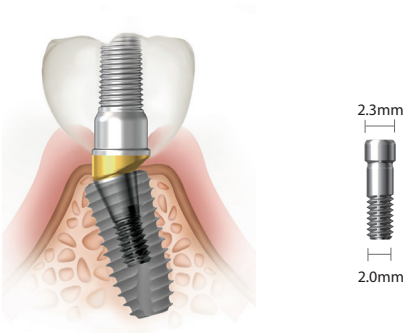


Screw Abutment

Diameter	G/H
Ø4.5	1.0mm, 1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm
Ø5.5	1.5mm, 2.5mm, 3.5mm, 4.5mm, 5.5mm

Angled Screw Abutment

Diameter	G/H	Angled
Ø4.5	1.0mm	15°
Ø5.5	1.5mm	30°



Points to Consider in Abutment Selection

Considerations in Selecting an Abutment

- Esthetic requirement
- Implant angulation
- Implant location
- Fixture installation depth (Gingival height)
- Interarch distance
- Prosthesis type
- Dentist & dental technician's preference

Impression of Implant

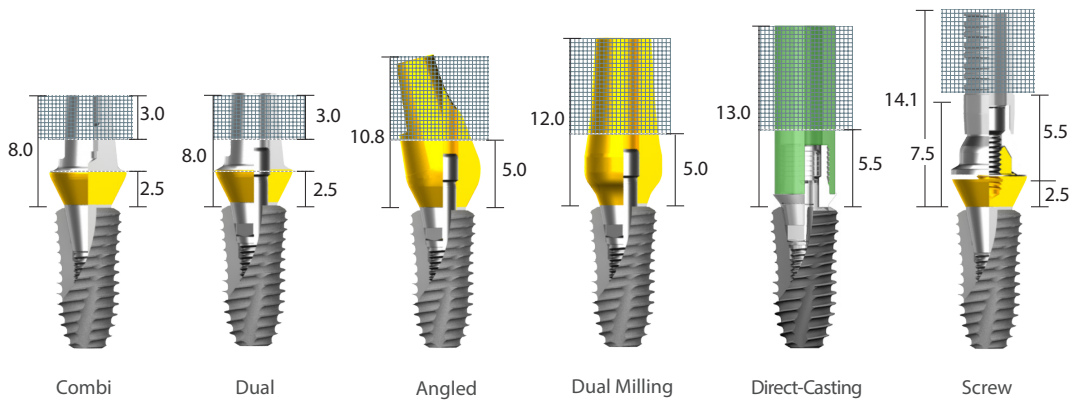
According to the case the impression can be taken at abutment or fixture level.

Fixture Level	Abutment Level
1. Dual Abutment	1. Dual Abutment
2. Dual Milling Abutment	2. Combi Abutment
3. Angled Abutment (15° / 25°)	3. Screw Abutment
4. Direct-Casting Abutment	4. Angled Screw Abutment (15° / 30°)
5. Metal-Casting Abutment	
6. Temporary Abutment (Plastic & Titanium)	

Abutment Impression Recommendation

Dual Abutment	Cementation type, screw-cementation type	Fixture level impression or abutment level impression
Combi Abutment	Cementation type	Abutment level impression
Angled Abutment	Cementation type, screw-cementation type	Fixture level impression
Screw Abutment	Screw retained type	Abutment level impression
Direct-Casting Abutment	Cementation type, screw-cementation type	Fixture level impression
Metal-Casting Abutment	Cementation type, screw-cementation type	Fixture level impression
Dual Milling Abutment	Cementation type, screw-cementation type	Fixture level impression

Minimum Height Requirement for SuperLine Prosthetic Abutment



* Diagram above indicates the minimum height required for SuperLine /Implantium II prosthetic abutment.

Maximum Amount of Reduction Allotted for SuperLine

Combi Abutment

- Eliminate 3.0mm from the top level Combi Abutment (laser marking:1.5mm)
Caution _ Damage may be caused to the screw if the abutment is reduced to less than 2.5mm above the gingival height.

Dual Abutment

- Preparation of the abutment top is possible as follows.

Gingival Height	Preparable Amount
1.5mm	2.0
2.5mm	3.0
3.5mm	4.0
4.5mm	5.0
5.5mm	6.0

Angled Abutment & Dual Milling Abutment

- Required minimum abutment height: at least 5.0mm above the Fixture top

Direct-Casting Abutment & Metal-Casting Abutment

- Required minimum abutment height: at least 5.5mm above the Fixture top.

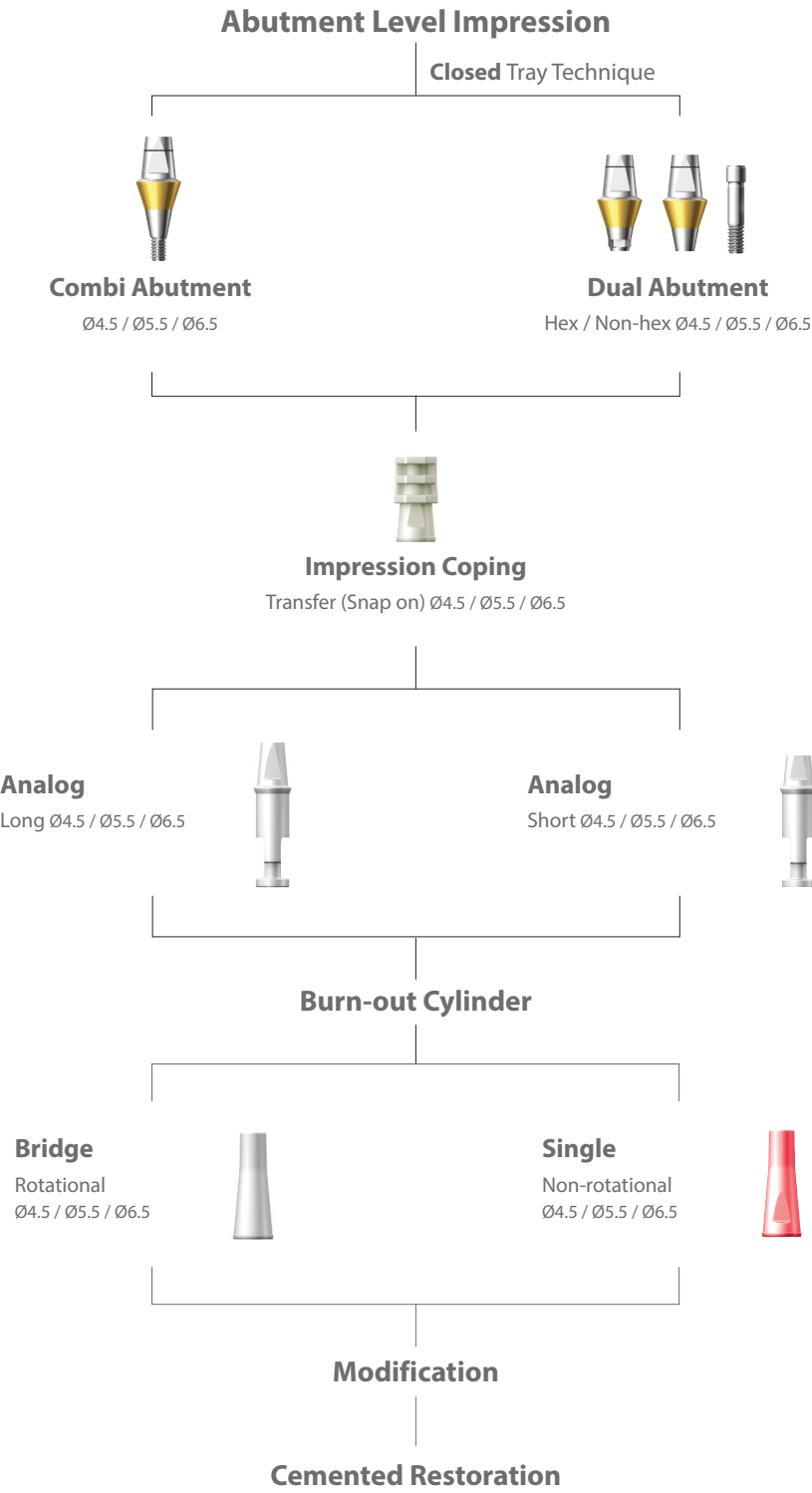
Screw Abutment

- The Screw Abutment cannot be modified, however the Casting Abutment can be modified for interarch distance, taking reduction into consideration of the height of the retaining screw.

Prosthetic Procedure 1

Impression Technique and Restoration Selection

Dual / Combi Abutment



Analog
Long Ø4.5 / Ø5.5 / Ø6.5



Analog
Short Ø4.5 / Ø5.5 / Ø6.5



Bridge
Rotational
Ø4.5 / Ø5.5 / Ø6.5



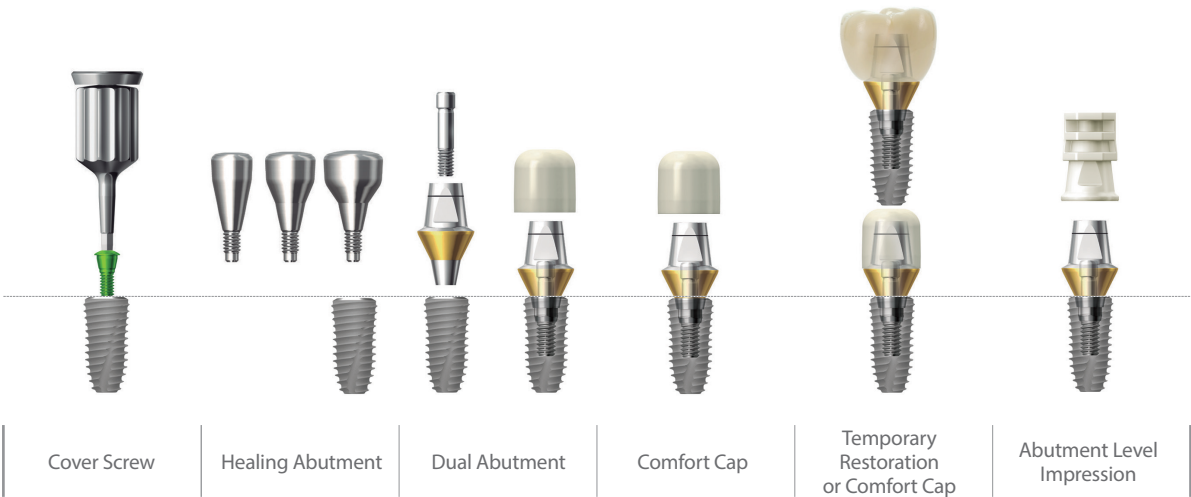
Single
Non-rotational
Ø4.5 / Ø5.5 / Ø6.5



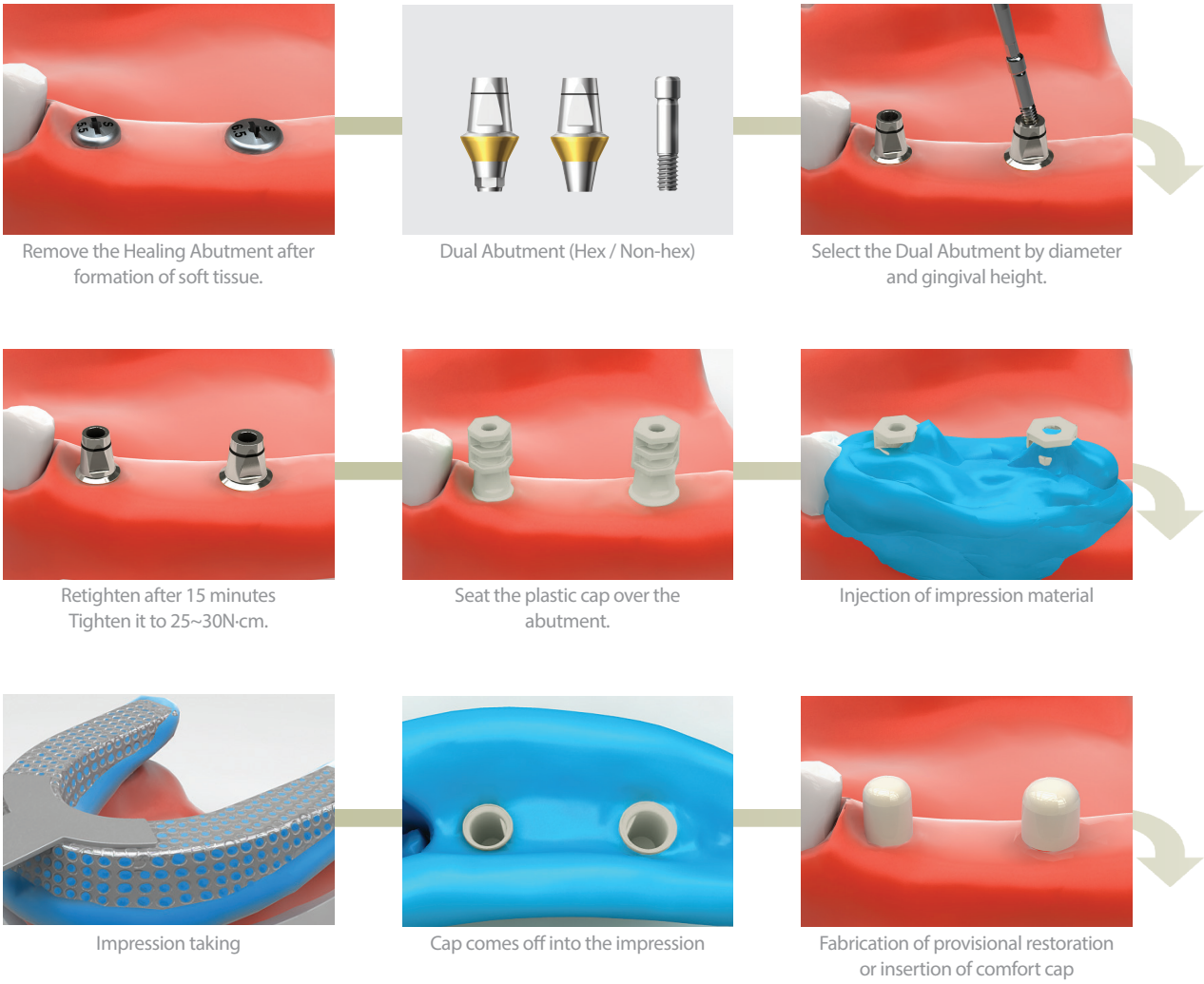
Abutment Level- Dual Abutment

[Multiple Units]

Clinical Procedure



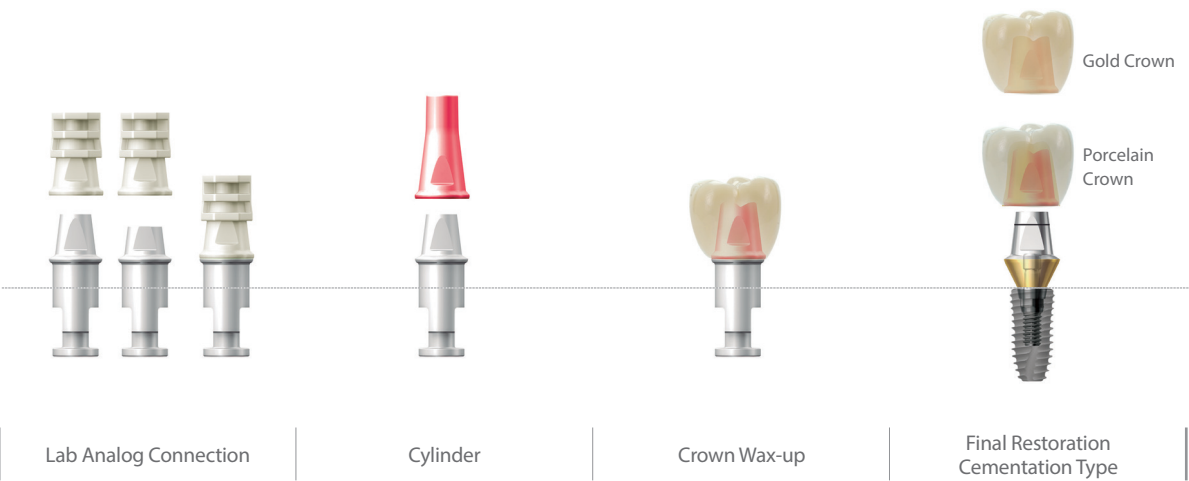
Chairside



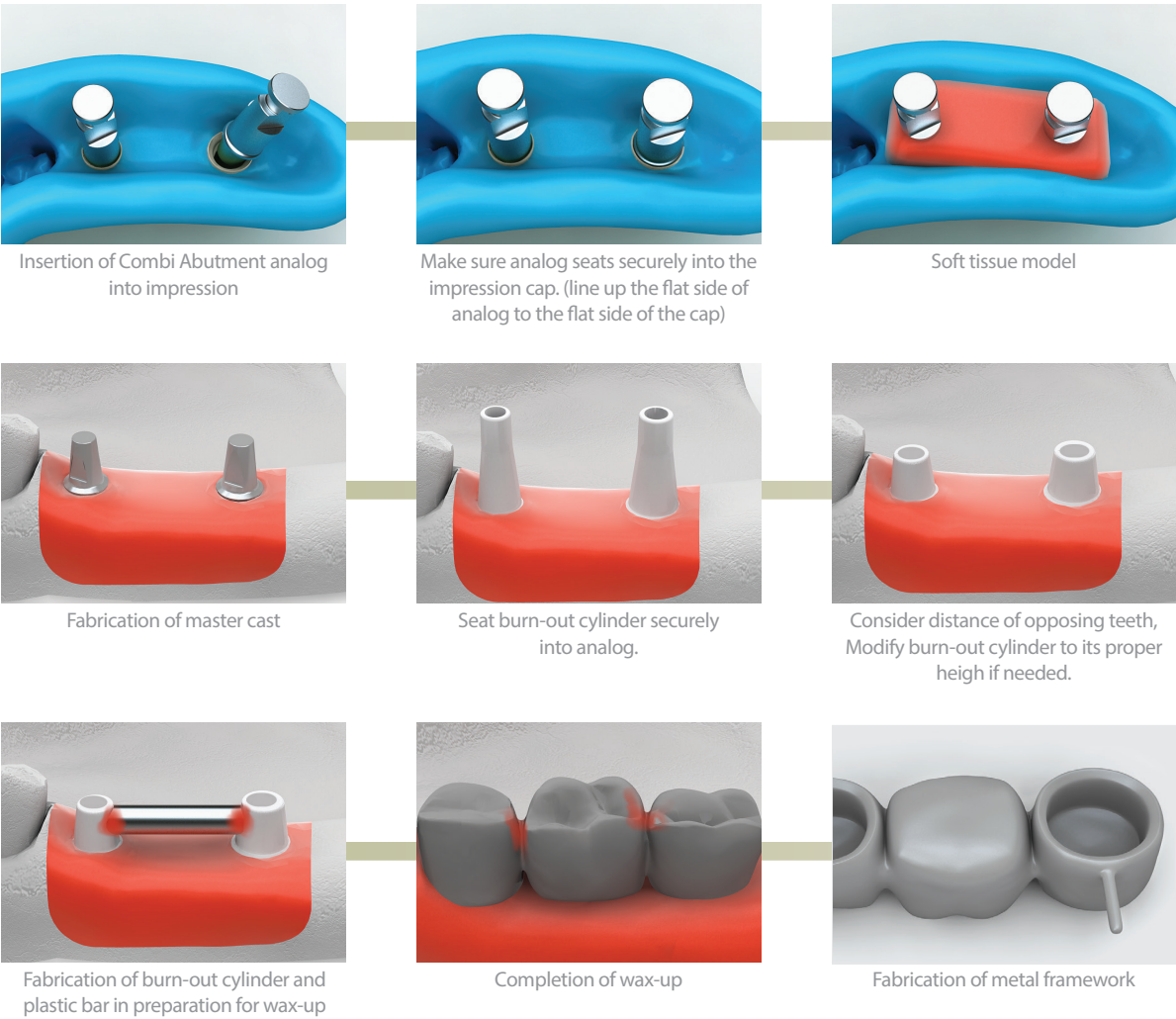
Abutment Level- Dual Abutment

[Multiple Units]

Laboratory Procedure

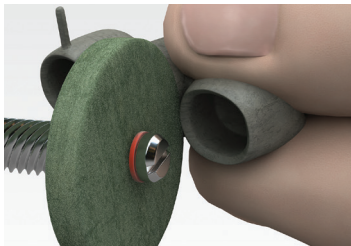


LabSide

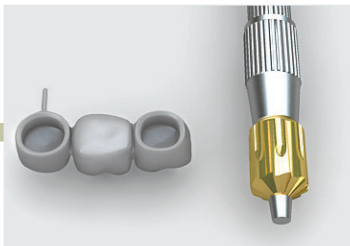


Abutment Level- Dual Abutment

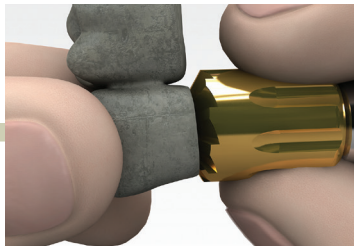
[Multiple Units]



Trimming of the extended margin by using the rubber wheel



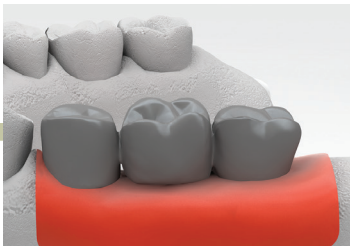
Metal framework and reamer



Reamer is used to eliminate "Lip" caused by 'snap-on' mechanism.



Metal framework after removal of "Lip"



Metal framework

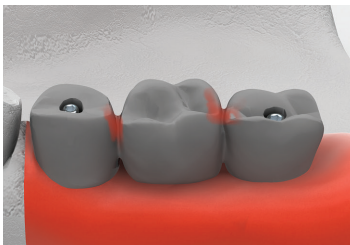


Porcelain build-up

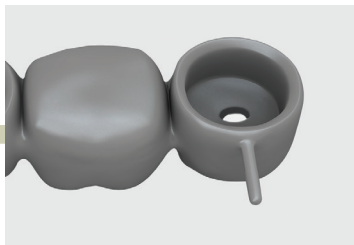
SCRIP: Once an access hole has been created, it can be converted to a SCRIP (Screw & Cemented Retained Prosthesis).



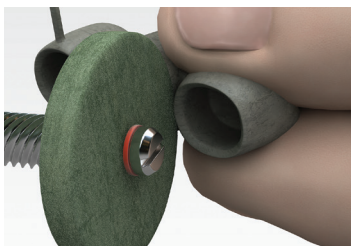
Final prosthesis



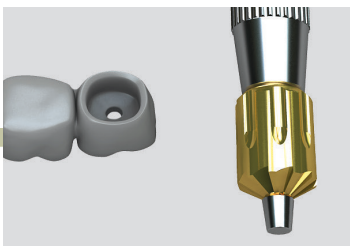
Access hole is made when burn-out cylinder is used to do the wax-up.



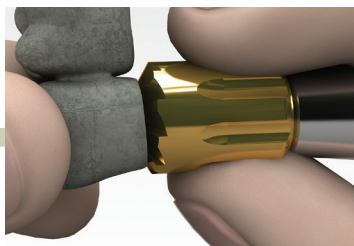
Extended margin around the metal framework due to 'snap-on' mechanism



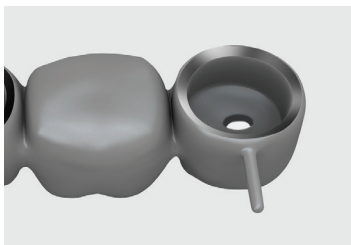
Trim extended margin by rubber wheel



Metal framework and reamer



Eliminate the lip remnant caused by 'snap-on' mechanism by reamer.



Metal framework after removal of "Lip"



Metal framework

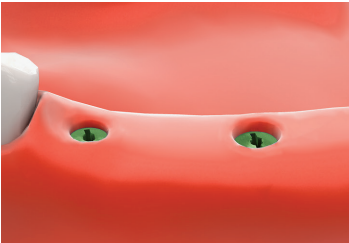


Final prosthesis

Abutment Level- Combi Abutment

[Multiple Units]

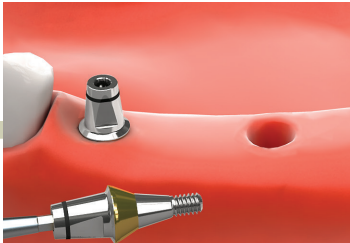
Chairside



Second stage surgery (uncovering)



Following the 2nd stage surgery, soft tissue is healed around the Healing Abutment. Healing Abutment should be selected according to the size of abutment.



Choose abutment with gingival height then tighten it to 25~30N-cm. Re tighten after 15 minutes.

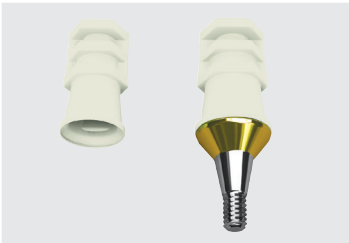
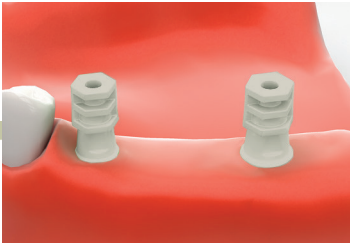
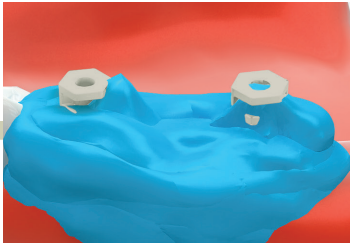


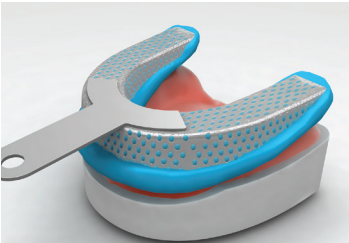
Image of combi Impression coping and abutment assembly



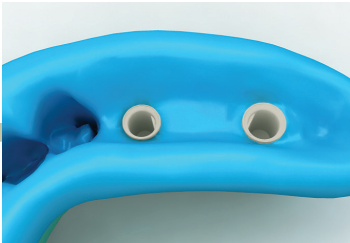
Snap-on the plastic impression coping with the same sized diameter abutment



Impression taking
Injection of impression material



Impression taking

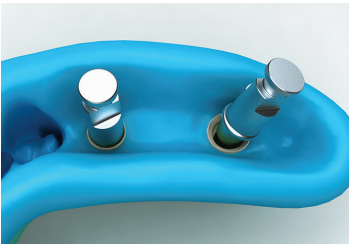


Inner-surface of impression

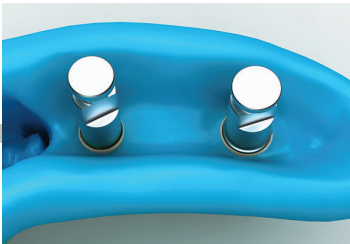


Fabrication of provisional restoration or insertion of comfort cap

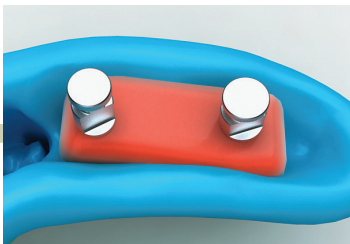
LabSide



Seating of Lab analog



Confirm analog is secured in snap cap



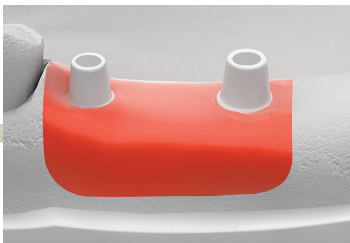
Soft tissue model



Fabrication of master cast



Placement of burn-out cylinder



Consider the distance of opposing teeth, modify burn-out cylinders to its proper height.

Abutment Level- Combi Abutment

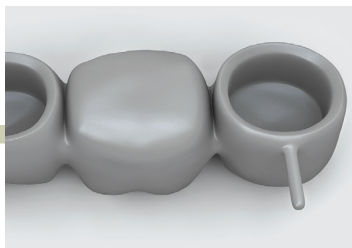
[Multiple Units]



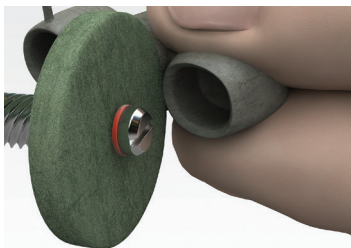
Connect the plastic bar in the middle of the trimmed burn-out cylinders to help support the resin pattern. Wax pattern may have shrinkage.



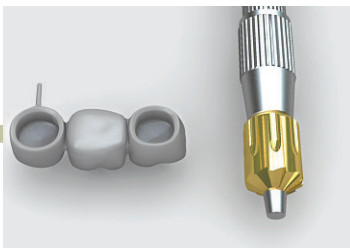
Wax-up



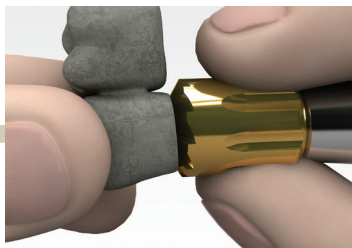
Completed framework



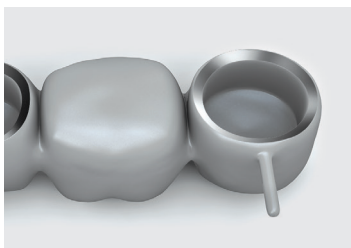
Trimming the extended margin with a rubber wheel



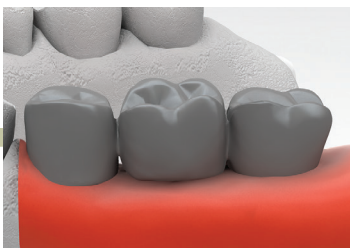
Metal framework and reamer



Removal of lip remnant with reamer caused by 'snap-on' mechanism



Metal Framework after removal of "Lip"



Metal coping adaptation (Completed framework)



Porcelain build-up final prosthesis

Chairside



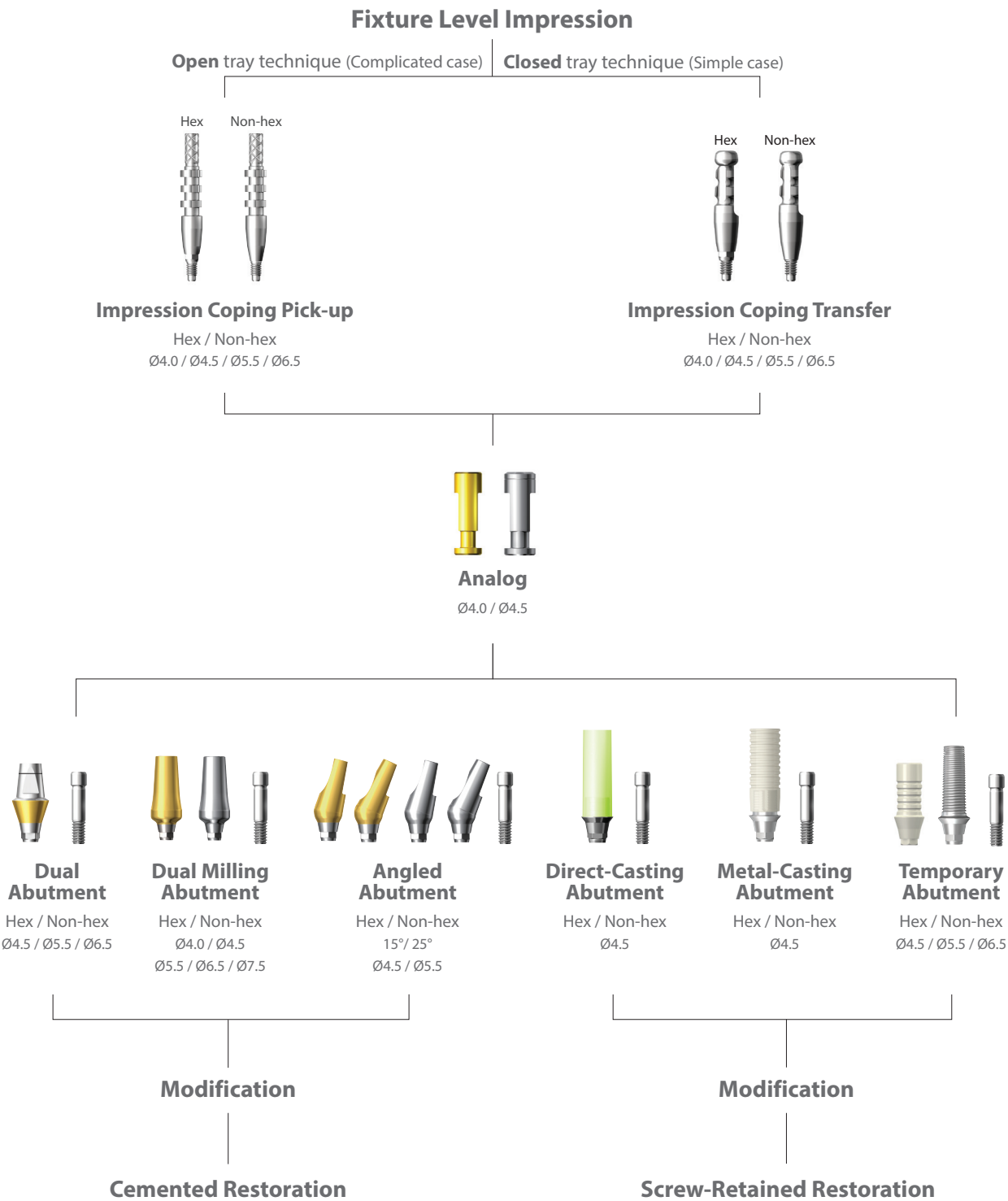
Insertion of final prosthesis and occlusal adjustment

* If the combi analog is trimmed due to limited inter-occlusal space in the lab, make a reduction jig. Then a slight modify of the abutment in the oral cavity may be necessary to the height of the jig.

Prosthetic Procedure 2

Impression Technique and Restoration Selection

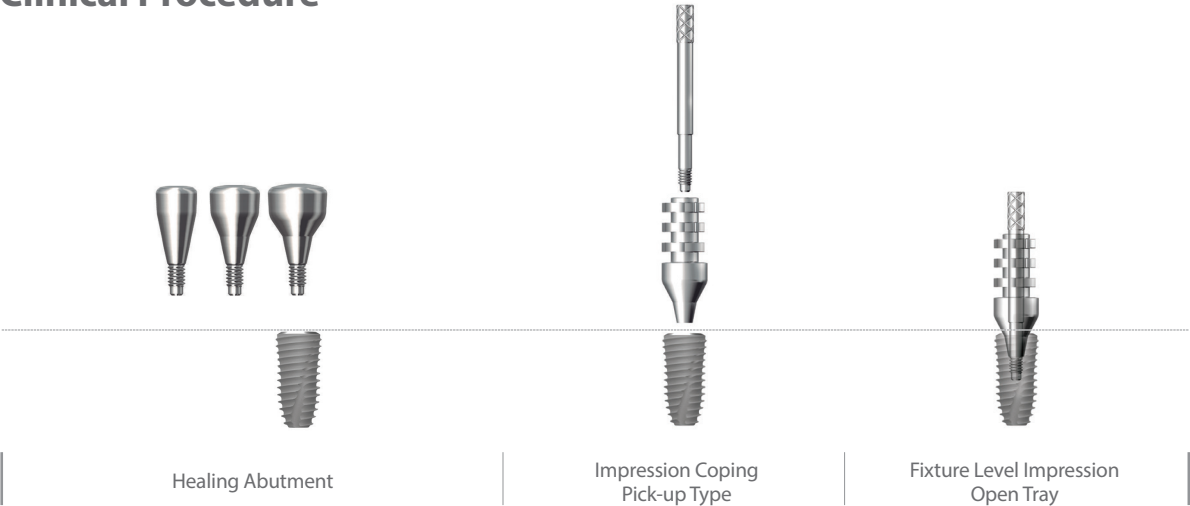
Dual / Milling / Angled / Direct-Casting / Metal-Casting / Temporary (Plastic & Ti) Abutment



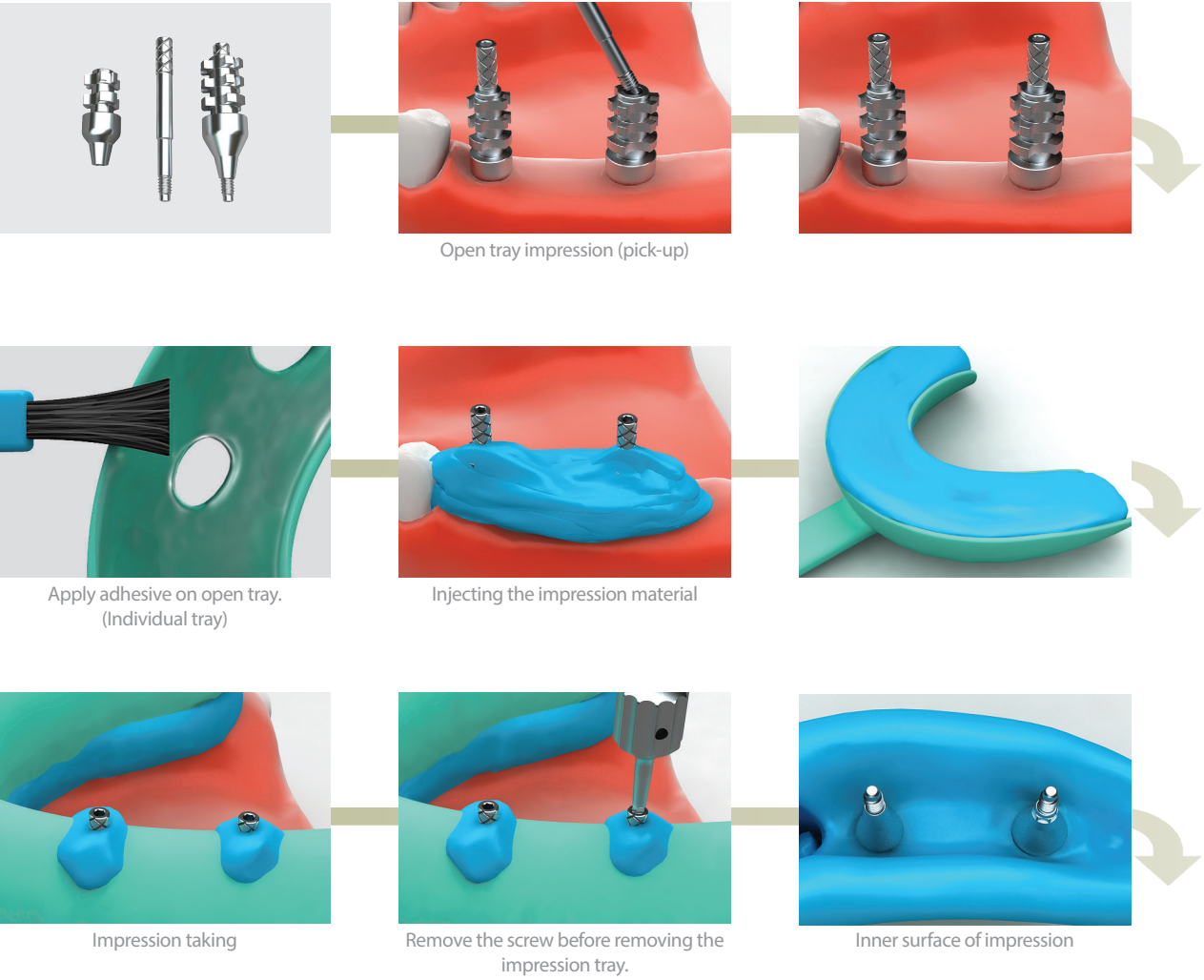
Fixture Level [Pick-up Type]- Dual Abutment

[Multiple Units]

Clinical Procedure



Chairside



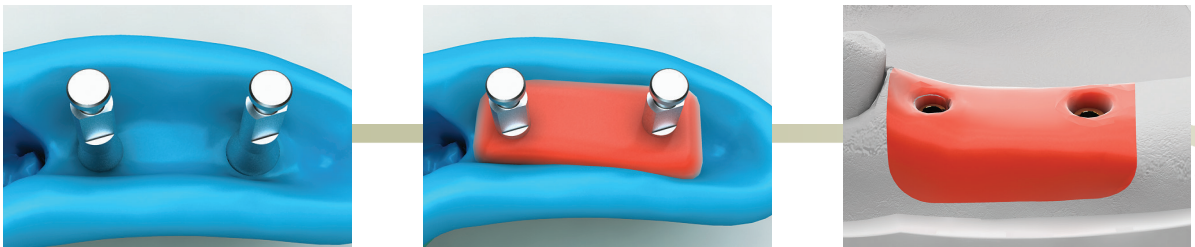
Fixture Level [Pick-up Type]- Dual Abutment

[Multiple Units]

Laboratory Procedure



Labside



Fixture Level [Pick-up Type]- Dual Abutment

[Multiple Units]

Chairside



Final prosthesis



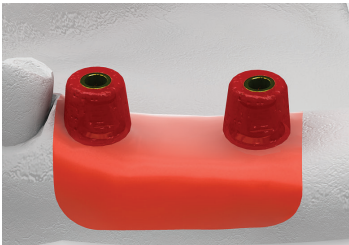
Use positioning jig to transfer the abutment in model to oral cavity then tighten it to 25~30N·cm. Retighten after 15 minutes.



Insertion of the final prosthesis and occlusal adjustment

* In the process of seating the prosthesis, the prosthesis can be rebounded by gingival tissue. In this case it is advised to apply occlusal load on the prosthesis for 10~15 minutes.

SCR- Labside



Formation of access hole with long transfer coping screw



Wax-up



Metal framework

SCR- Chairside



Final prosthesis



Use positioning jig to transfer the abutment in model to oral cavity then tighten it to 25~30N·cm. Retighten after 15 minutes.



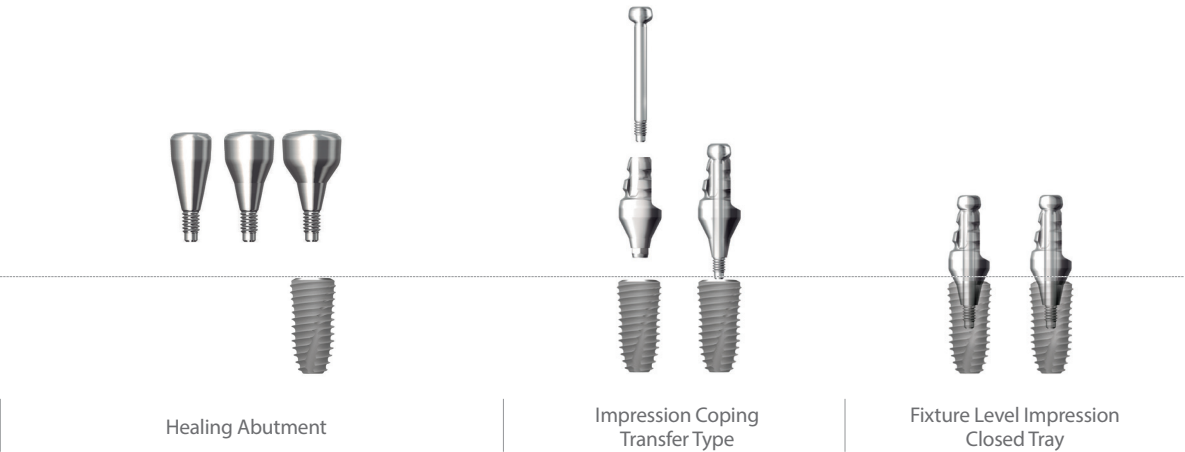
Insertion of final prosthesis and adjustment of occlusion

* In the process of seating the prosthesis, the prosthesis can be rebounded by gingival tissue. In this case it is advised to apply occlusal load on the prosthesis for 10~15 minutes.

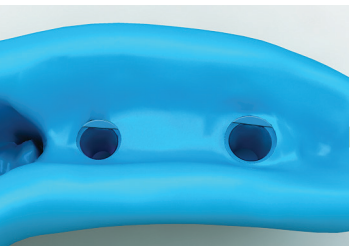
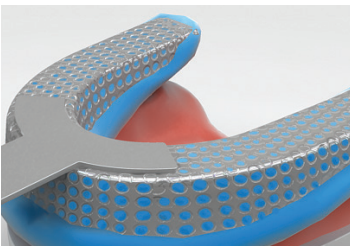
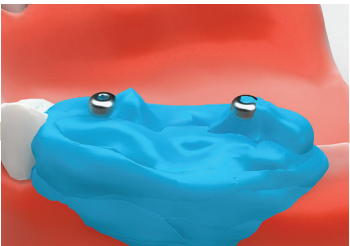
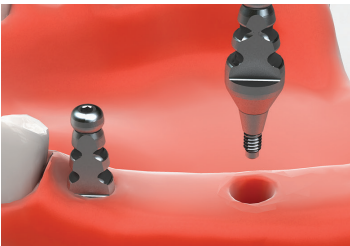
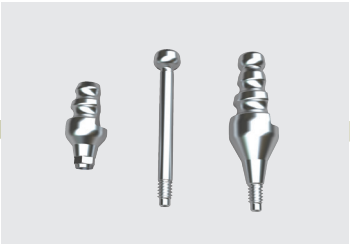
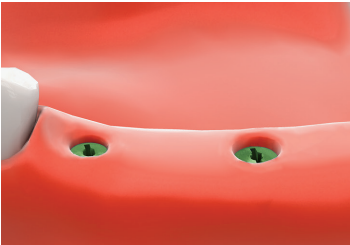
Fixture Level [Transfer Type]- Dual Abutment

[Multiple Units]

Clinical Procedure



Chairside



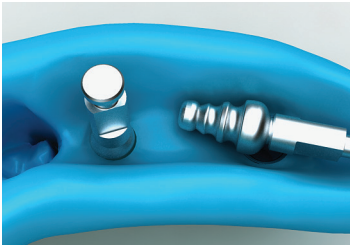
Fixture Level [Transfer Type]- Dual Abutment

[Multiple Units]

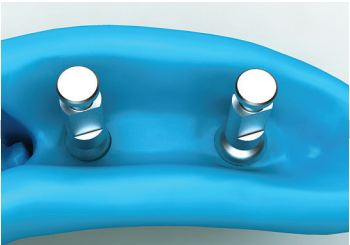
Laboratory Procedure



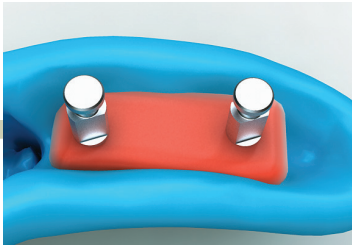
Labside



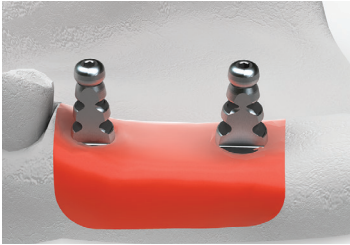
Impression coping and analog connection. And insert impression coping into the impression.



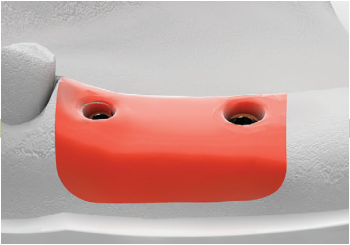
Make sure the impression coping is fully seated into the impression



Soft tissue model



Fabrication of master cast



Soft tissue condition after the of impression coping



Measuring gingival height with depth gauge



Selection of Dual Abutment of proper diameter and gingival height



Verify by surveying the selected abutment. (Milling of the abutment is possible if necessary)



Fabrication of positioning jig

Fixture Level [Transfer Type]- Dual Abutment

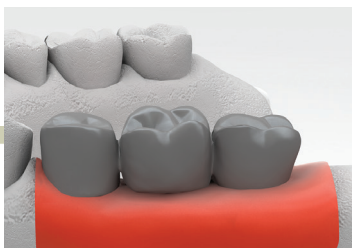
[Multiple Units]



Seat the cap with pattern resin



Completion of wax-up



Completion of metal framework

Chairside



Final prosthesis built up on the framework with porcelain



Use positioning jig to transfer the abutment in model to oral cavity then tighten it to 25~30N-cm. Retighten after 15 minutes.



Insertion of final prosthesis, adjust occlusion place lab wax into opening of abutment to protect screw head then cement.

SCR- Labside



Make an access hole in the resin cap by using the long open tray transfer screw.



Completed wax-up



Metal framework

SCR- Chairside



Final prosthesis



Use positioning jig to transfer the abutment in model to oral cavity then tighten it to 25~30N-cm. Retighten after 15 minutes.



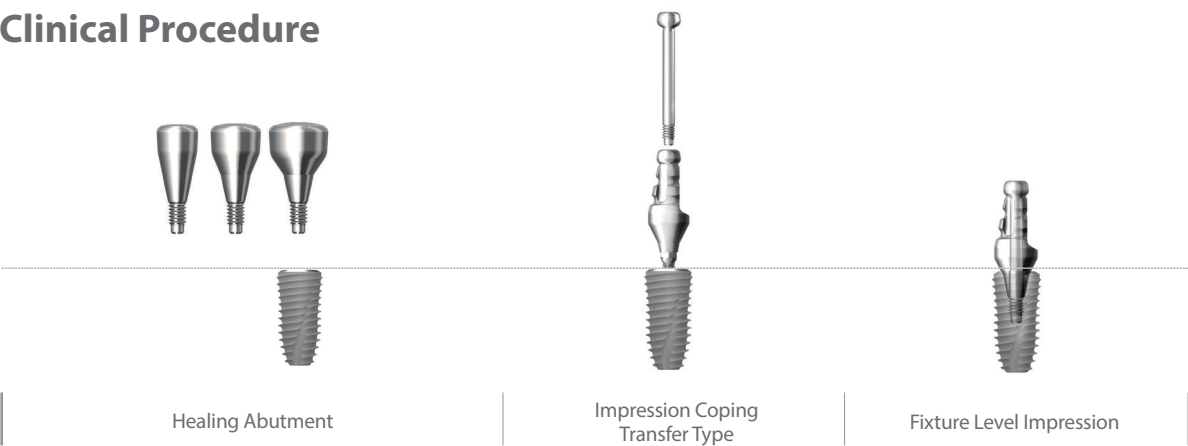
Insertion of final prosthesis and occlusal adjustment. Place wax into opening of the abutment prior to sealing with composite.

* In the process of seating the prosthesis, the prosthesis can be rebounded by gingival tissue. In this case it is advised to apply occlusal load on the prosthesis for 10~15 minutes.

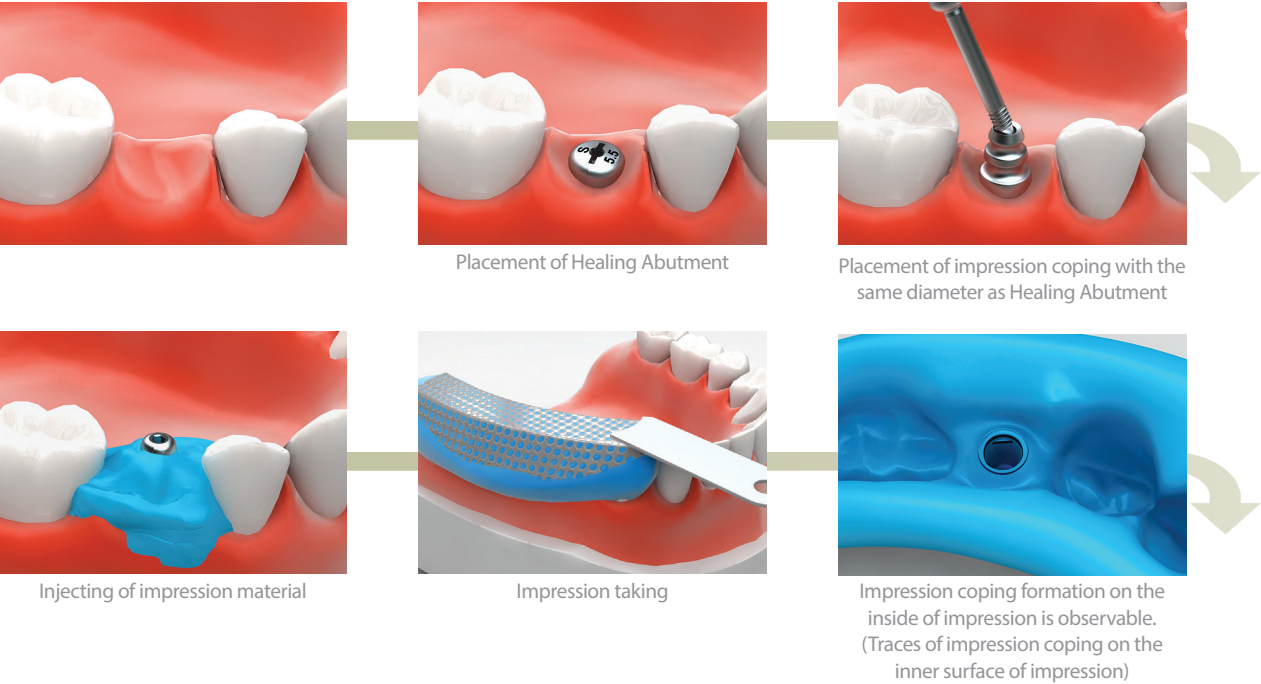
Fixture Level [Transfer Type]- Dual Milling Abutment

[Single Unit]

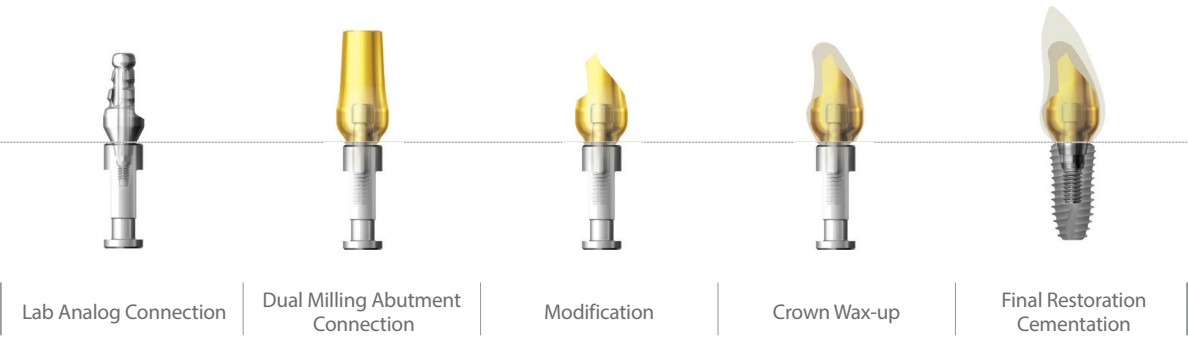
Clinical Procedure



Chairside



Laboratory Procedure



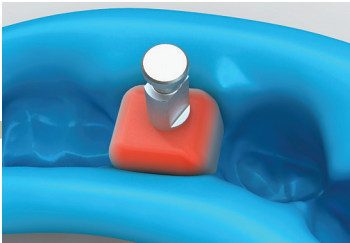
Fixture Level [Transfer Type]- Dual Milling Abutment

[Single Unit]

Labside



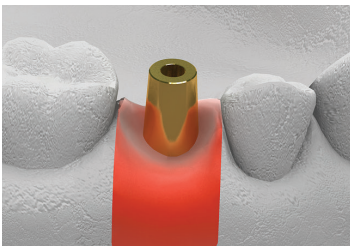
Impression coping and analog connection. And insert impression coping into the impression.



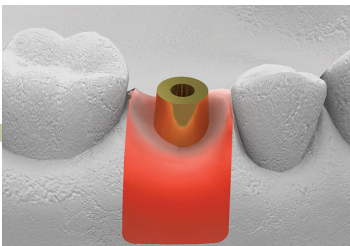
Soft tissue model



Master cast



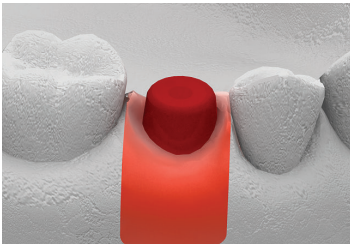
Selection of appropriate Dual Milling Abutment



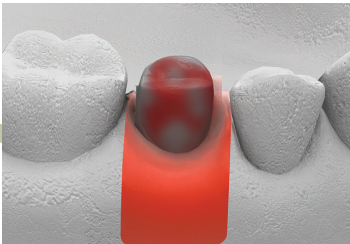
Abutment after milling process



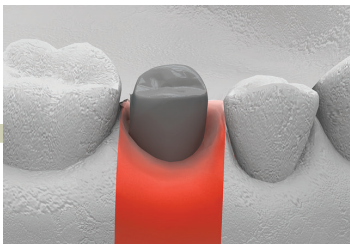
Fabrication of positioning jig



Fabrication of pattern resin cap

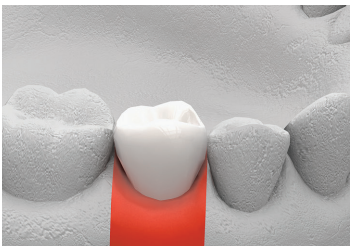


Completion of wax-up



Metal framework

Chairside



Final prosthesis



Use positioning jig to transfer the abutment in model to oral cavity then tighten it to 25~30N·cm. Retighten after 15 minutes.



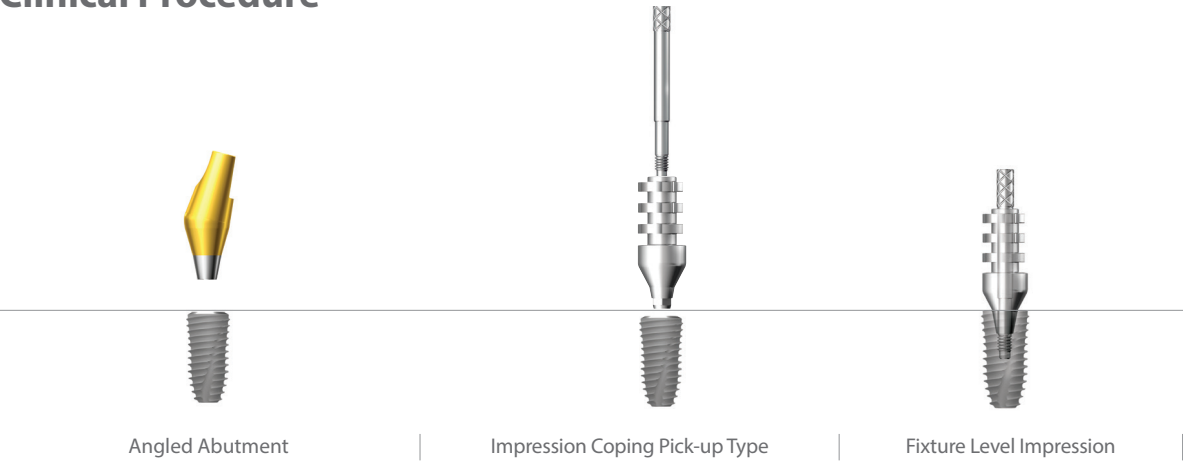
Insertion of final prosthesis and occlusal adjustment

* In the process of seating the prosthesis, the prosthesis can be rebounded by gingival tissue. In this case it is advised to apply acclusal load on the prosthesis for 10~15 minutes.

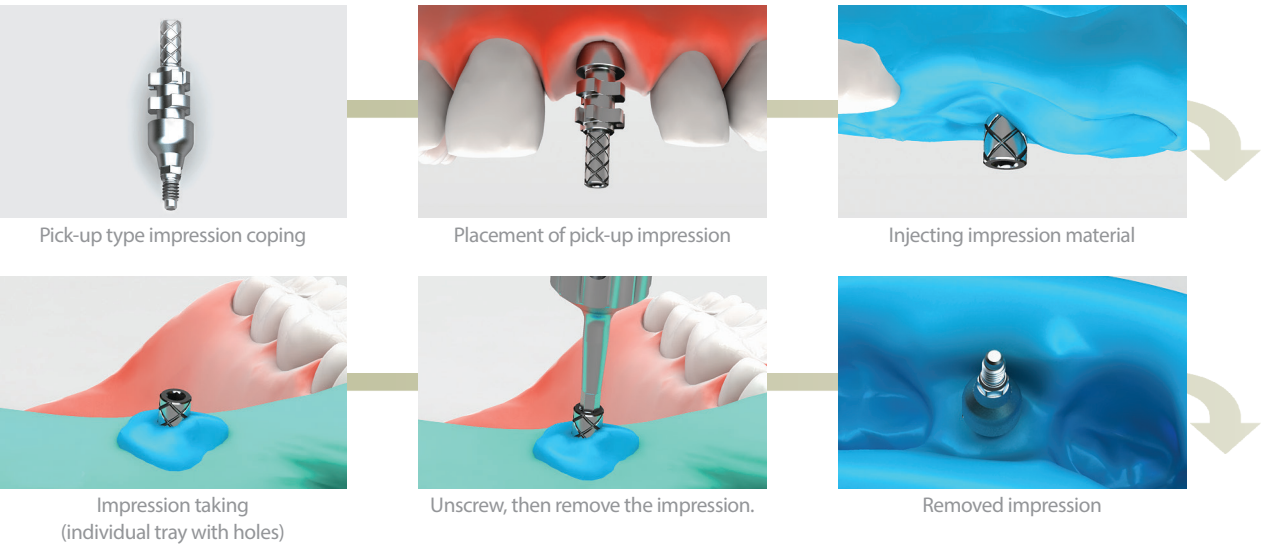
Fixture Level [Pick-up Type]- **Angled Abutment**

[Single Unit]

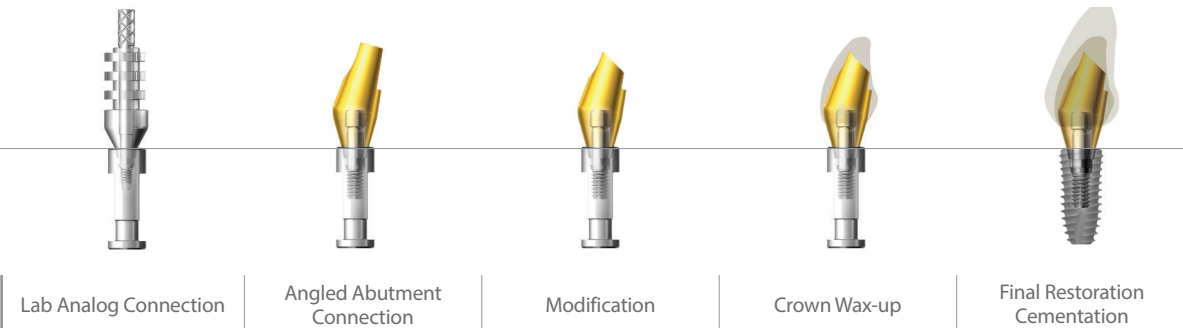
Clinical Procedure



Chairside



Laboratory Procedure



Fixture Level [Pick-up Type]- Angled Abutment

[Single Unit]

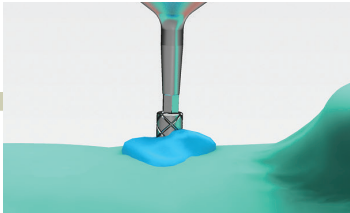
Labside



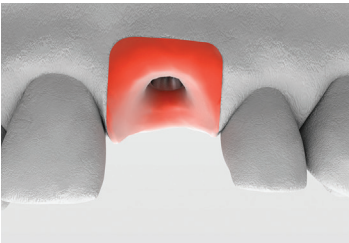
Impression coping with analog connections



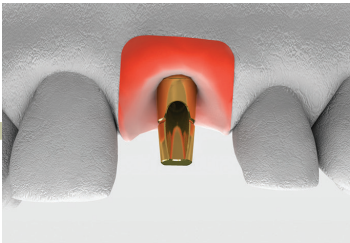
Soft tissue formation and fabrication of master model



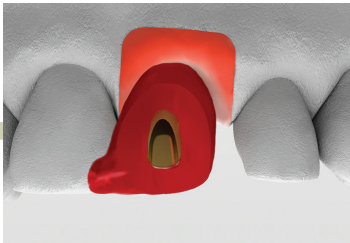
Unscrew then separate impression from the model.



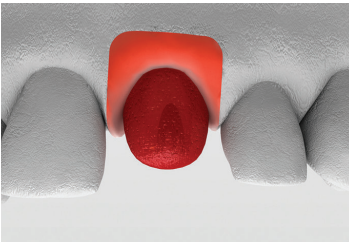
Master cast



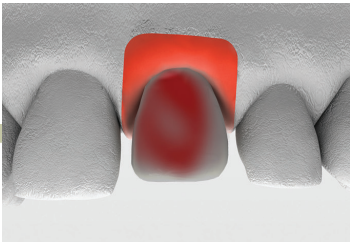
Select an Angled Abutment.



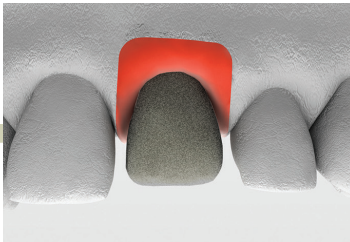
Modification of Angled Abutment & fabrication of positioning jig



Fabrication of pattern resin cap

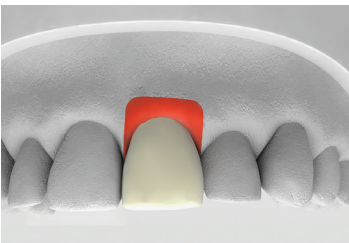


Wax-up

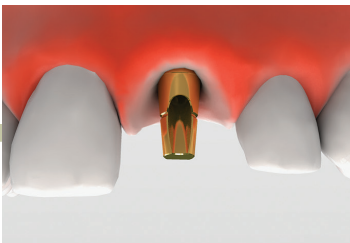


Metal or zirconia framework

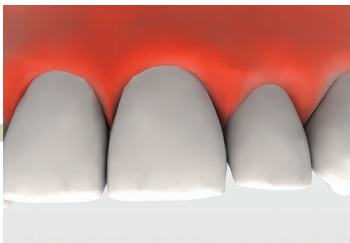
Chairside



Final prosthesis



Insertion of the Angled Abutment using positioning jig



Insertion of final prosthesis and occlusal adjustment

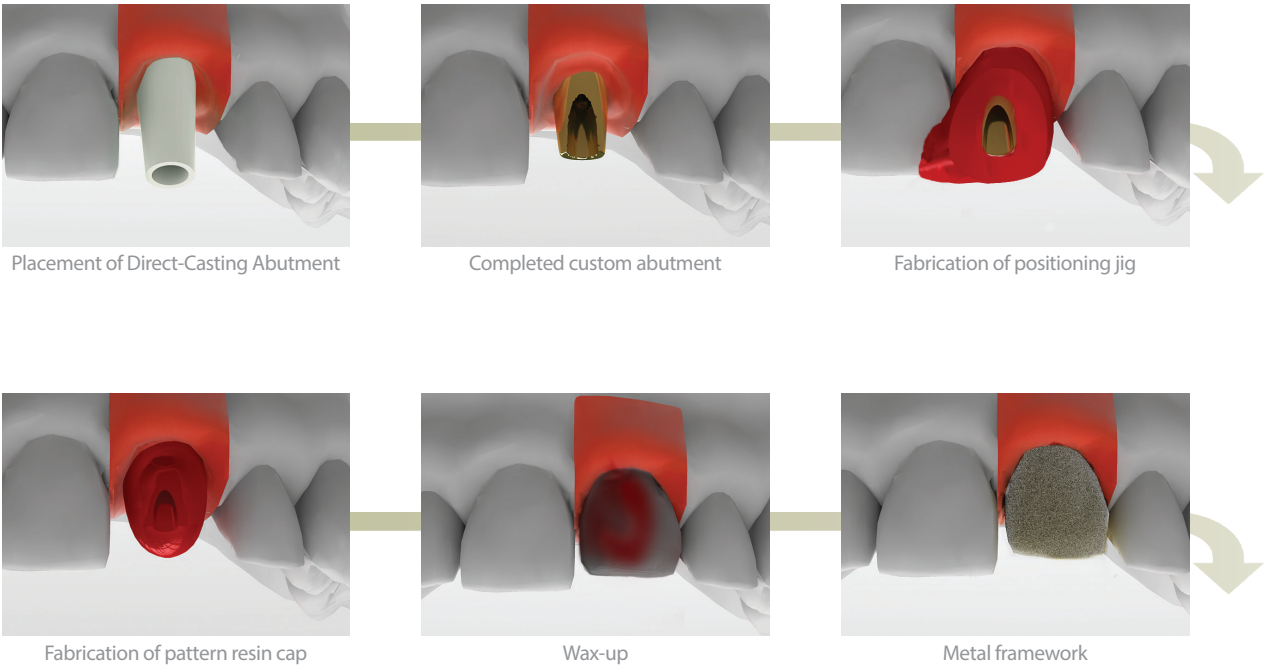
Fixture Level- Direct-Casting Abutment

[Single Unit]

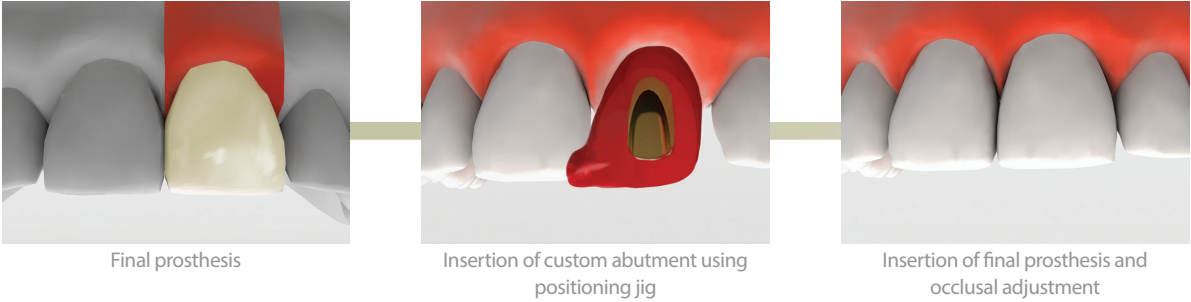
Laboratory Procedure



Labside



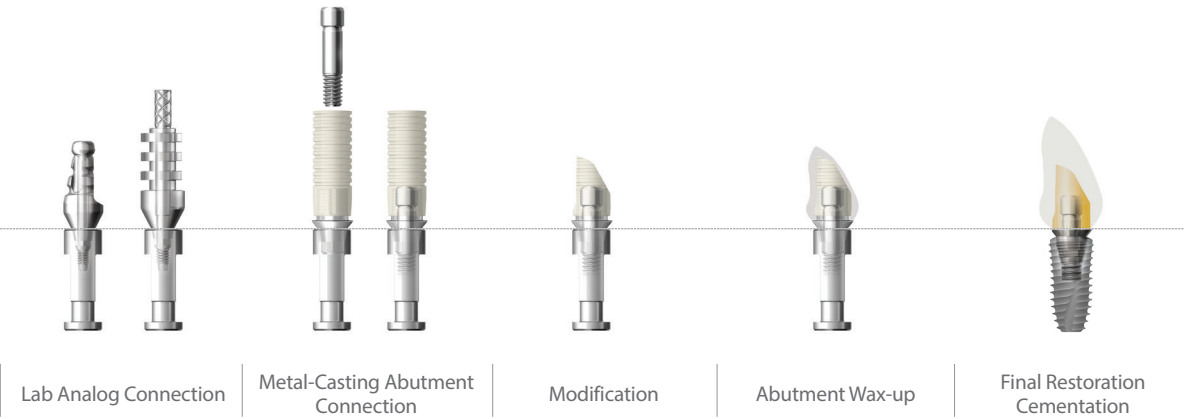
Chairside



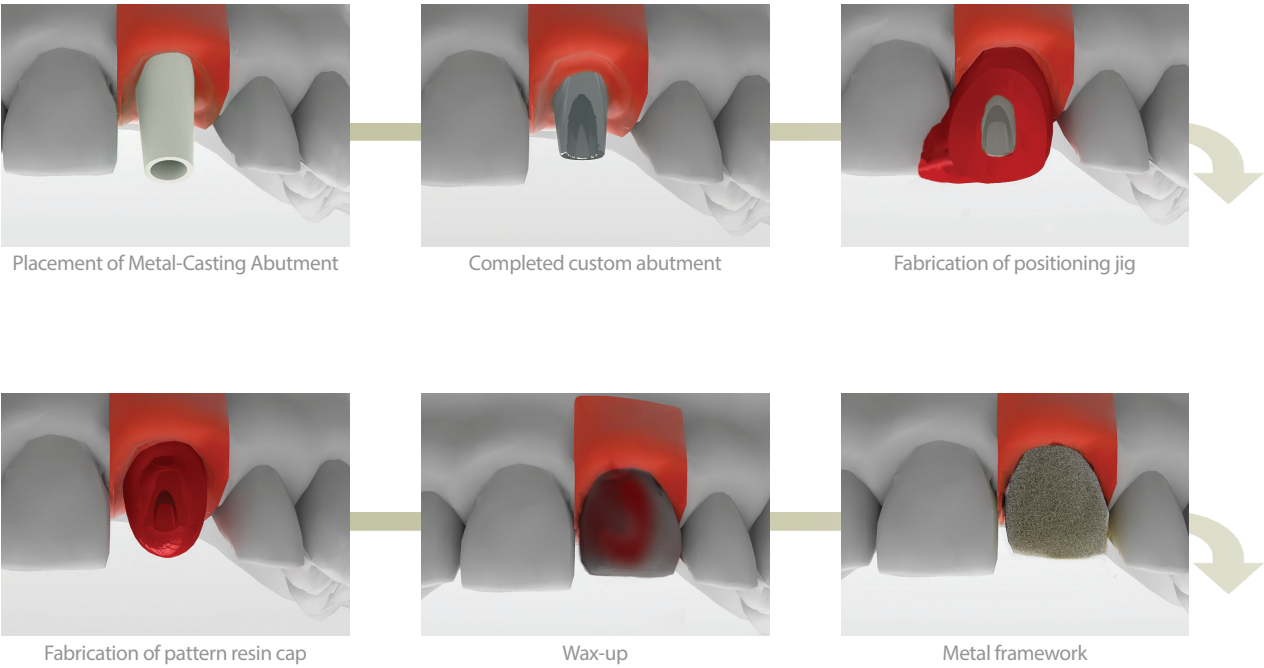
Fixture Level- Metal-Casting Abutment

[Single Unit]

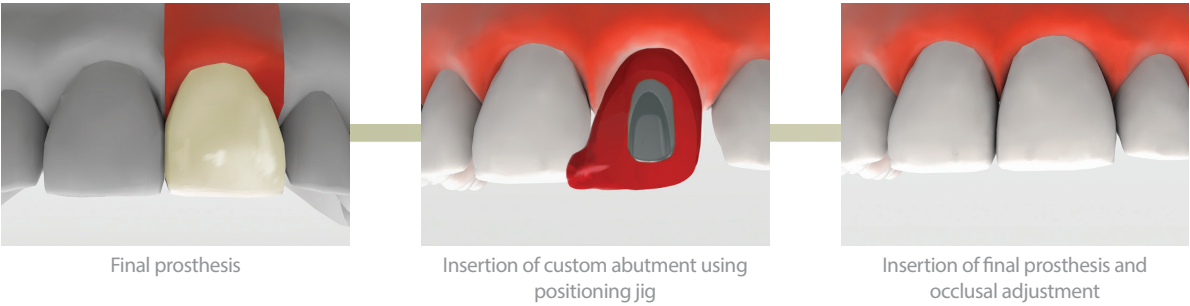
Laboratory Procedure



Labside

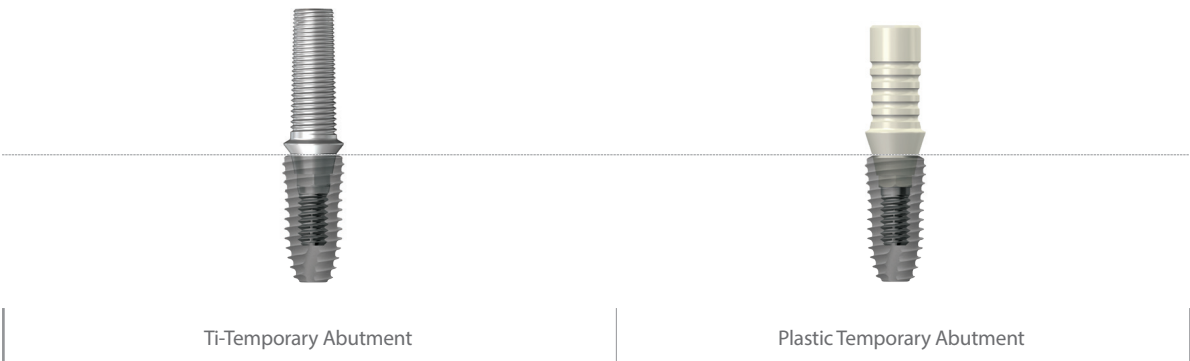


Chairside



Fixture Level [Pick-up Type]- Temporary Abutment

[Single Unit]



<Using Ti Abutment>



<Using Plastic Abutment>



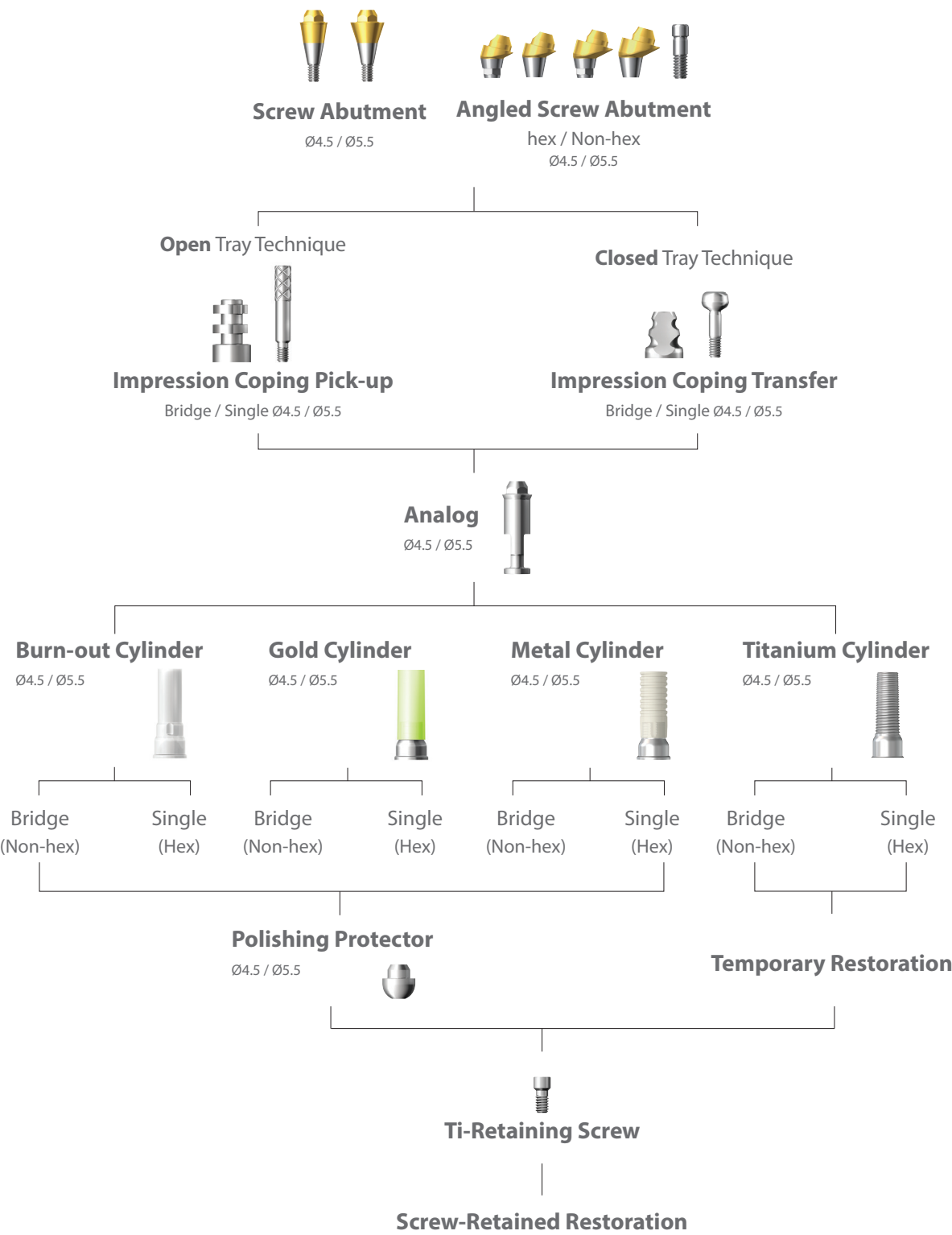
Considering the opposing teeth before seating the Temporary Abutment, trim off the abutment as needed and complete the Temporary Abutment prosthesis with direct resin.

Prosthetic Procedure 3

Impression Technique and Restoration Selection

Screw Abutment

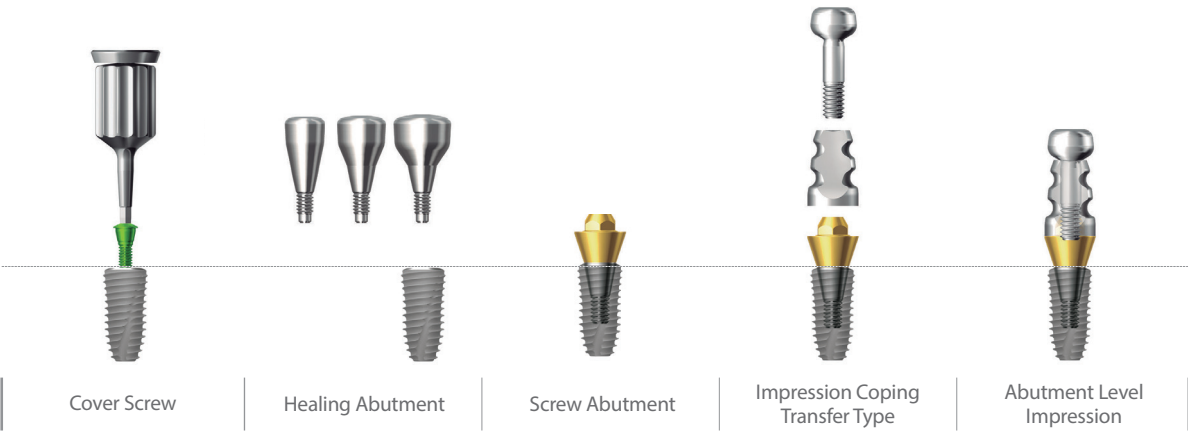
Abutment Level Impression



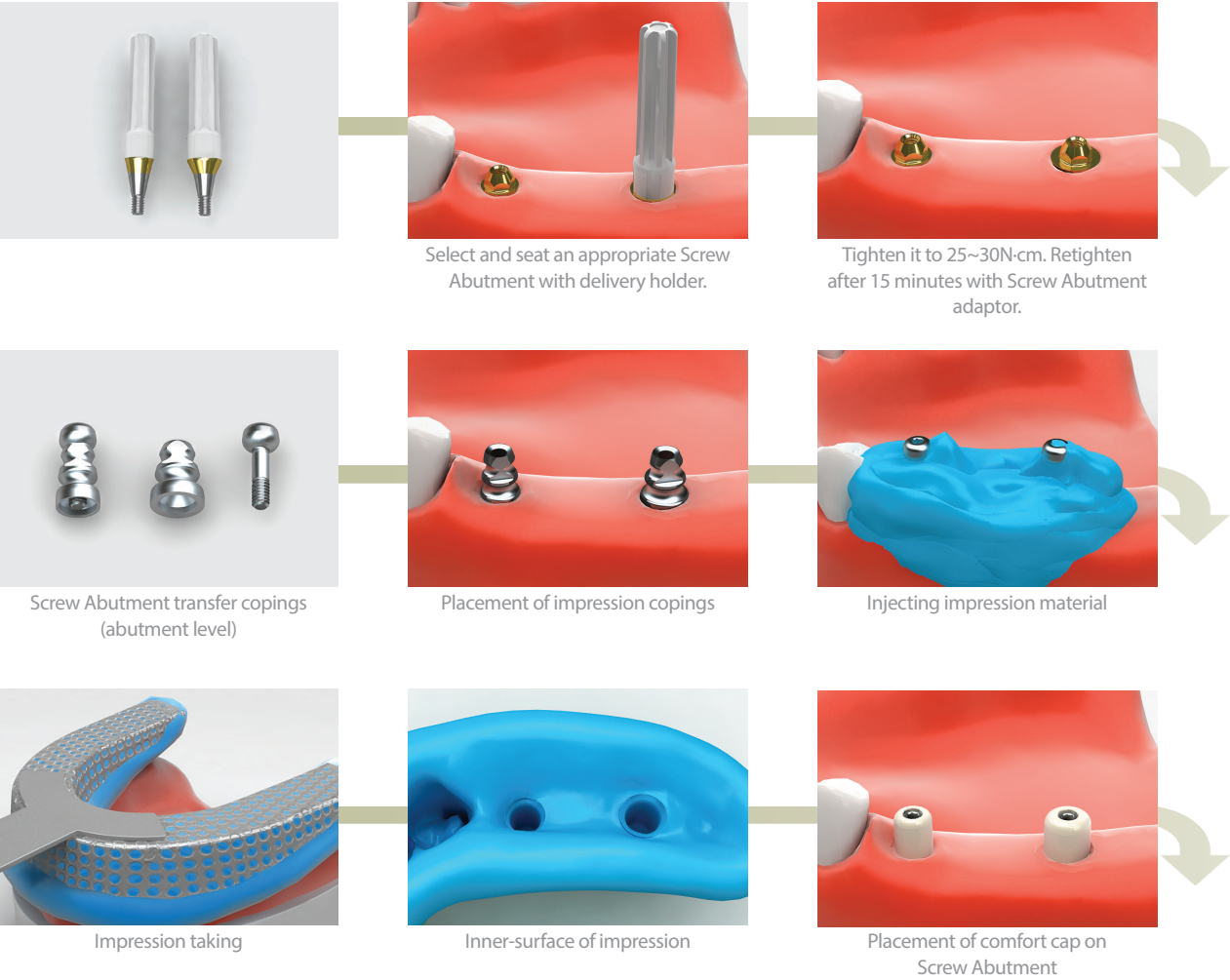
Abutment Level [Transfer Type]- Screw Abutment

[Multiple Units]

Clinical Procedure



Chairside



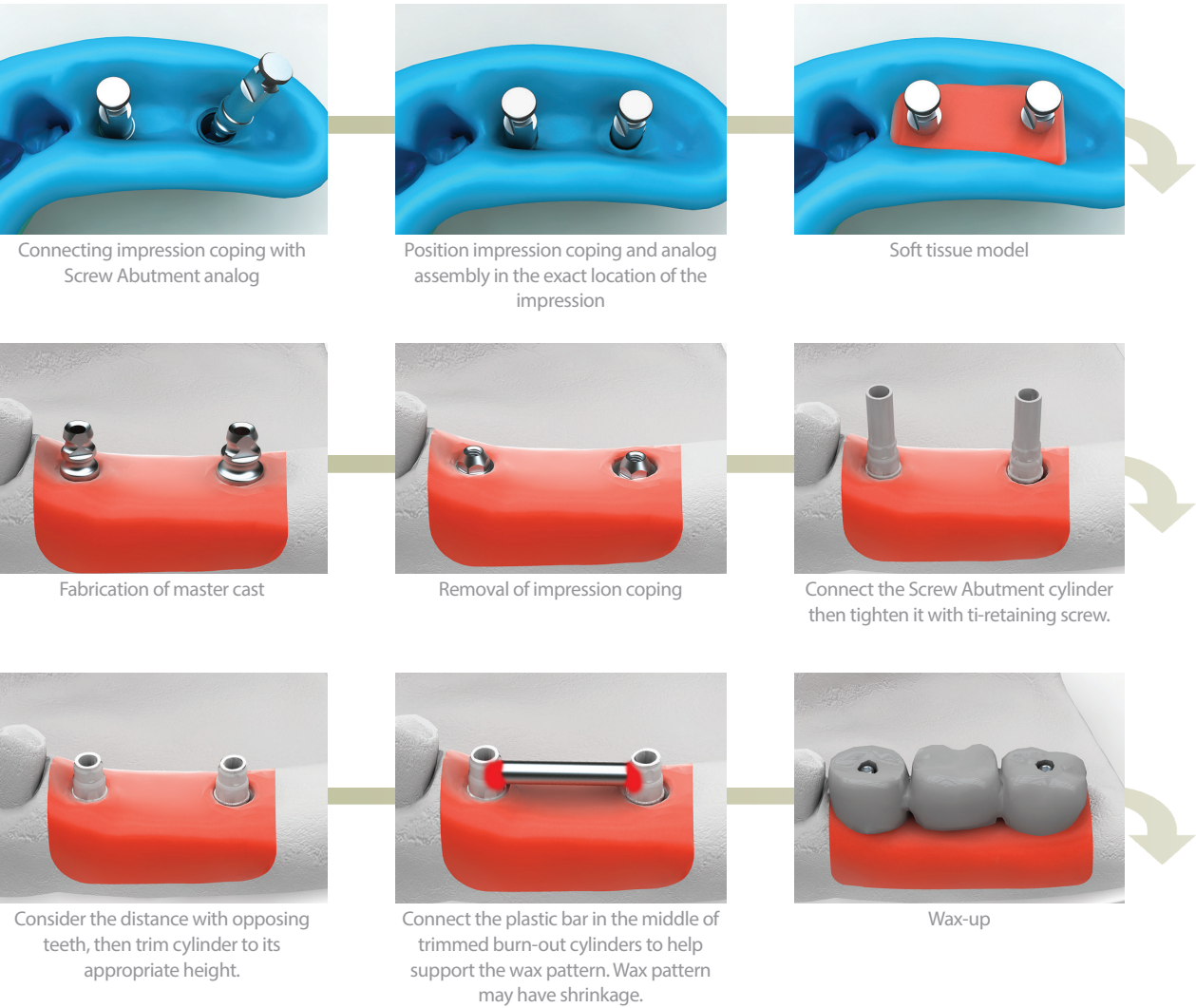
Abutment Level [Transfer Type]- Screw Abutment

[Multiple Units]

Laboratory Procedure



Labside

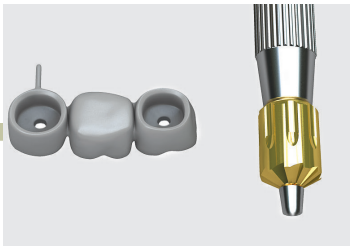


Abutment Level [Transfer Type]- Screw Abutment

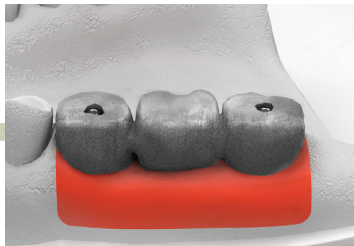
[Multiple Units]



Metal framework



Removal of lip remnant in the interior of metal framework by using reamer



Completion of metal framework



Completion of porcelain



Insertion of final prosthesis and occlusal adjustment. Tighten with ti-retaining screw (10N-cm).

Cementation Repair Method (SCRCP)

[Screw & Cement Retained Prosthesis]

In Light of Implant Prosthesis:

- A screw type restoration helps to simplify prosthesis repair, including insertion and removal of the prosthesis if necessary.
- Cement type restoration tend to have a stable occlusion and may enhance the adaptability. However the weak point is that it cannot be removed after permanent cementation.
- A Dual Abutment can be cemented or screw retained.
- Combi Abutments are cement retained and no occlusal hole is necessary.

In Case of Screw Loosening or when Prosthesis Repair is Needed



In case of the following:
screw loosening Prosthesis repair



In order to unscrew, form access hole on
the occlusal surface using bur.



Unscrew, then remove the prosthesis
from the oral cavity.



Both cemented prosthesis and
abutment are removed.



Finish the repair then seat it inside the
oral cavity.



Tighten the prosthesis with
25~30N-cm by a screw driver.
* It is recommended that the abutment screw is
retightened after 15 minutes.



Fill the access hole with cotton.



Fill the access hole with resin.



Final prosthesis

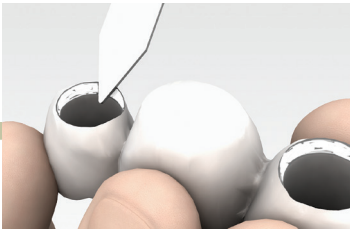
Cementation Repair Method (SCRP)

[Screw & Cement Retained Prosthesis]

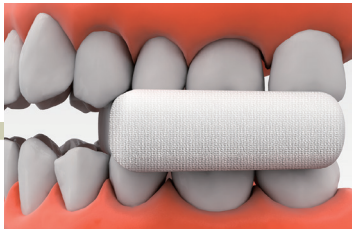
Prosthesis Separation from Abutment due to Cement Loss



Remove the screw completely with screw driver and remove prosthesis from the patient's mouth.



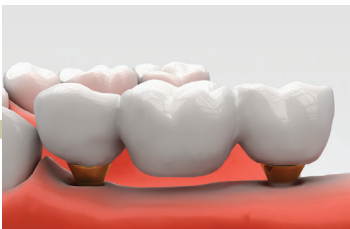
Apply cement to the prosthesis.



Place it back into the patient's mouth.



After the cement setting, unscrew and remove the excessive cement.



Finish the repair and seat it inside the patient's mouth.

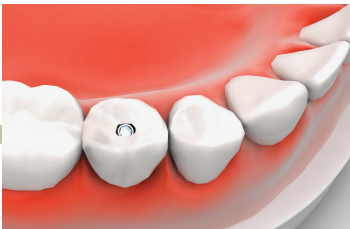


Tighten the prosthesis with 25~30N-cm with a screw driver.

Adding to the Interproximal Contact Surface due to Prosthesis Loosening



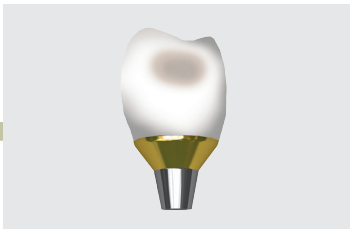
Prosthesis loosening due to contact loosening



Form access hole using bur



Unscrew, then remove the cemented prosthesis with abutment in the oral cavity.



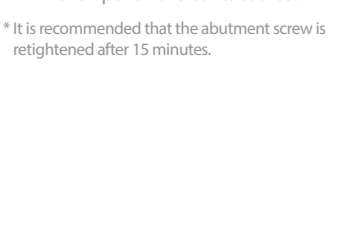
Contact adding with resin on the prepared under space.



Insert the prosthesis in the oral cavity and screw it in. Afterwards, perform light curing, then polish the contact area.



Position the prosthesis in the mouth and tighten the screw with 25~30N-cm, then fill up the access hole.



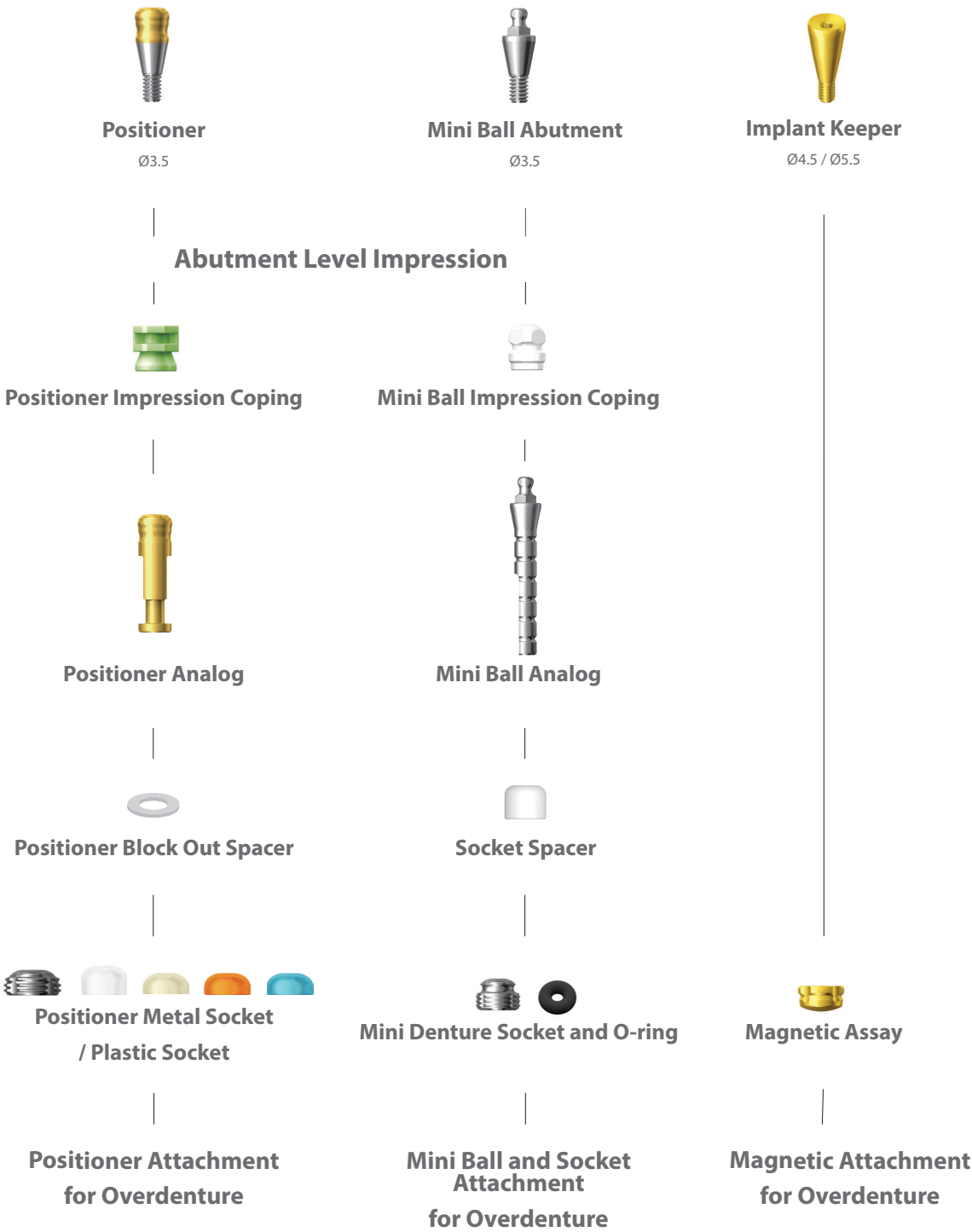
* It is recommended that the abutment screw is retightened after 15 minutes.

Prosthetic Procedure 4

Impression Technique and Restoration Type

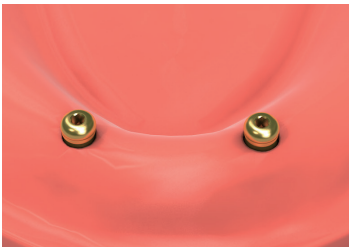
Overdenture Procedure

Positioner / Mini Ball / Magnetic Attachment

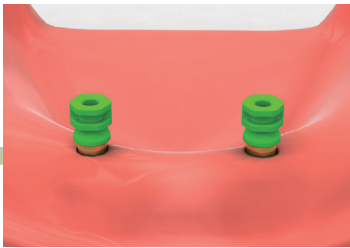


Positioner

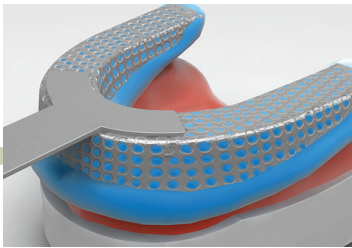
Chairside



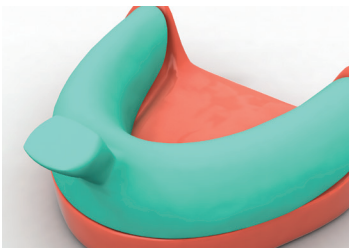
Connect the Positioner Abutment onto the fixture.



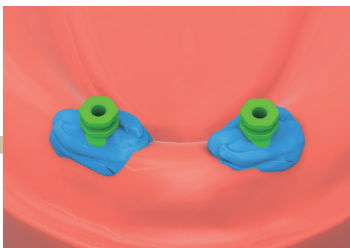
Affix the impression coping on the Positioner Abutment.



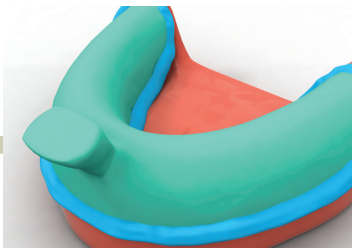
Take Impression for the production of individual tray.



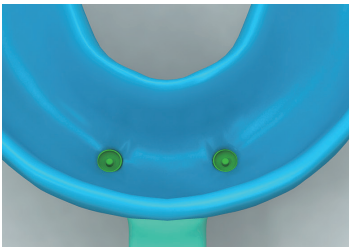
Produce the individual tray for denture impression.



After connecting the Positioner Abutment and the impression coping together, apply the impression material.



Take the final impression with the prepared individual tray.



After the impression material is set, discard the individual tray.

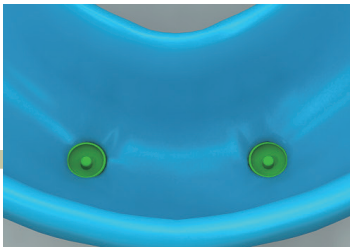
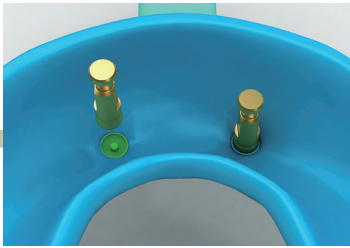


Image of the set final impression (with impression coping)

Labside



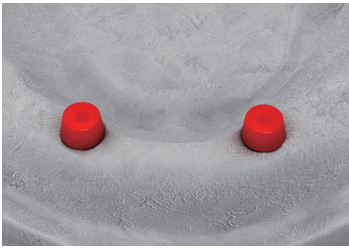
Positioner Analog



Insert the Positioner Analog into the embedded impression coping.



Create the master model.



"Block out" procedure to achieve the space required for the metal socket.



Fabrication of denture with conventional method

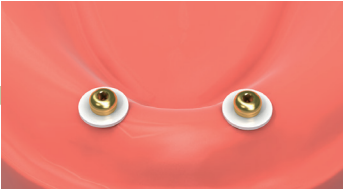
Positioner

Case 1

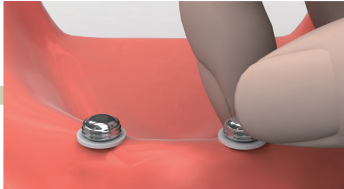
Chairside



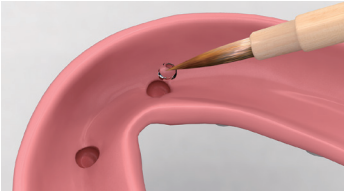
Secure spaces for the female sockets.



Place the "block out spacer" on the Positioner Abutment in the patient's mouth.



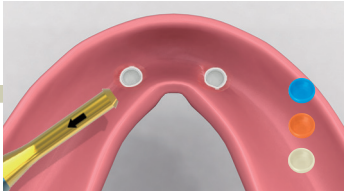
Connect the metal socket onto the Positioner Abutment.



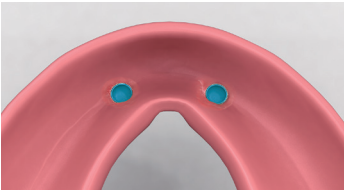
Apply a small amount of resin into the space created for the metal socket.



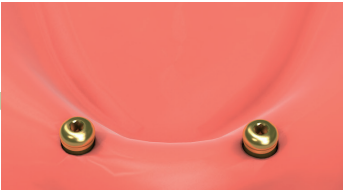
Position the denture in the mouth and wait until the resin is completely set.



Remove the white plastic socket (100gf) using the positioner tool and assemble with the regular plastic socket giving the desired retention force (300, 500 or 1000gf).



Remove the denture after the resin is fully set. Image of the denture with the metal socket.



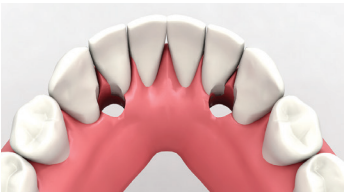
Remove the block out spacer from the patient's mouth.



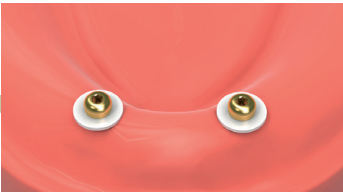
After polishing, the overdenture is completed.

Case 2

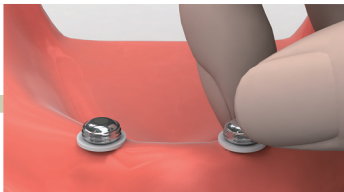
Chairside



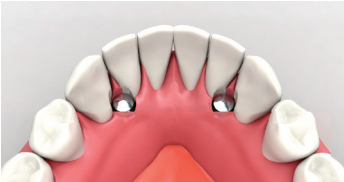
Create holes for the placement of the metal sockets.



Place the "block out spacer" on the Positioner Abutment in the intraoral.



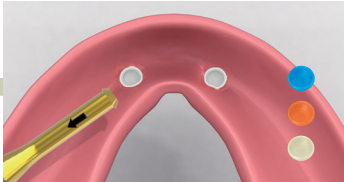
Connect the metal socket onto the Positioner Abutment.



Examine the interference between inner surface of the holes and the female sockets.



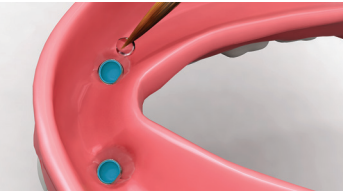
Apply the resin into the holes and wait until it is completely set.



Remove the white plastic socket (100gf) using the Positioner tool and assemble with the regular plastic socket giving the desired retention force (300, 500 or 1000gf).



Apply additional resin around the metal socket where there is a shortage of resin.



Apply resin around the metal socket.



After polishing, the overdenture is completed.

Ball Attachment

Case 1

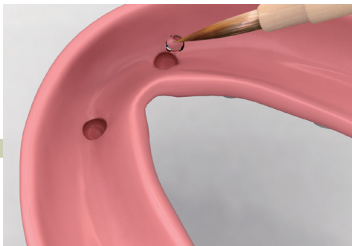


Secure spaces for the female sockets.

Chairside



Connect the female sockets to the Mini Ball Abutments in the intraoral.



Apply small amount of the resin into the secured area.



Position the denture in the mouth and wait until the resin is completely set.



Female sockets are placed in the denture.



After polishing, the overdenture is completed.

Case 2



Create holes for the placement of the female sockets.

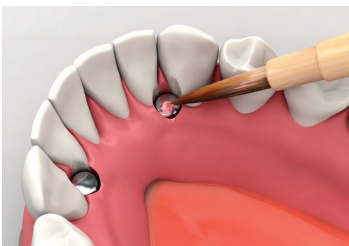
Chairside



Connect the female sockets to the Mini Ball Abutments in the intraoral.



Examine the interference between inner surface of the holes and the female sockets.



Apply the resin into the holes and wait until it is completely set.



Place the female sockets.



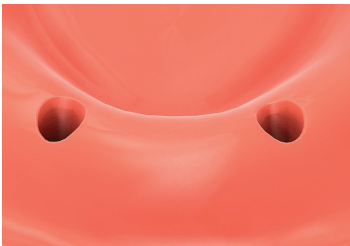
Apply resin around the female sockets.



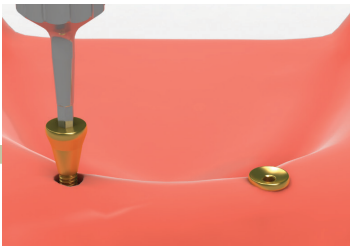
After polishing, the overdenture is completed.

Magnetic Attachment

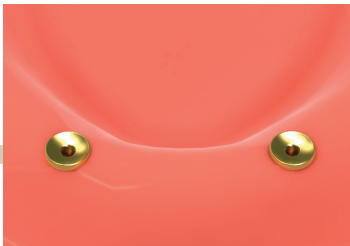
Chairside



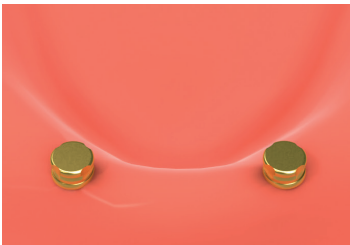
After Healing Abutment removal



Connect implant keeper with fixture and tighten it with 25~30N-cm.



Implant keepers connected with the fixtures



Position the magnetic assay on the implant keeper.



Secure spaces for the magnetic assays.



Examine the interference between inner divot of the denture and the magnets.

Case 1



Apply resin on the divot of the denture's inner surface.



Position the denture into the mouth and wait until the resin is completely set.



Magnetic assays are placed in the denture.



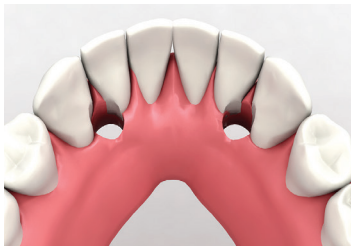
Apply some of resin around the magnetic assays.



After the resin is completely set, remove excess. After polishing, the overdenture is completed.

Magnetic Attachment

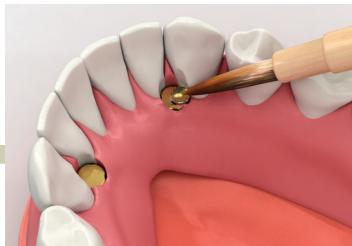
Case 2



Create holes for the placement of the magnets.



Examine the interference between inner surface of the holes and the magnets.



Position the denture in the mouth and apply small amount of resin into the hole.



Wait until the resin is completely set.



After setting, remove denture from the mouth.



Add the resin around the magnets.



After polishing, the overdenture is completed.

DENTIUM LONG-TERM CLINICAL DATA

2002

2003

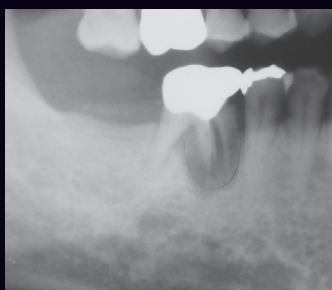
2004

2005

2006

2007

2008



2002. 05. 17
Pre-op



2002. 09. 04
Post-op



2003. 03. 15
Final prosthesis

Dentium

For Dentists By Dentists

2009

2010

2011

2012

2013

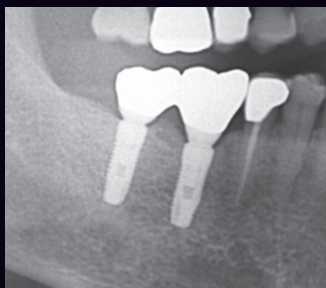
2014

2015

11 YEARS



2008. 04. 14
5 years



2013. 12. 05
11 years

over
10 years
of Long
term
data

OVER A **DECADE** OF
COMMITMENT TO
THE **BEST PRODUCTS**
FOR DENTISTS AND
PATIENTS

