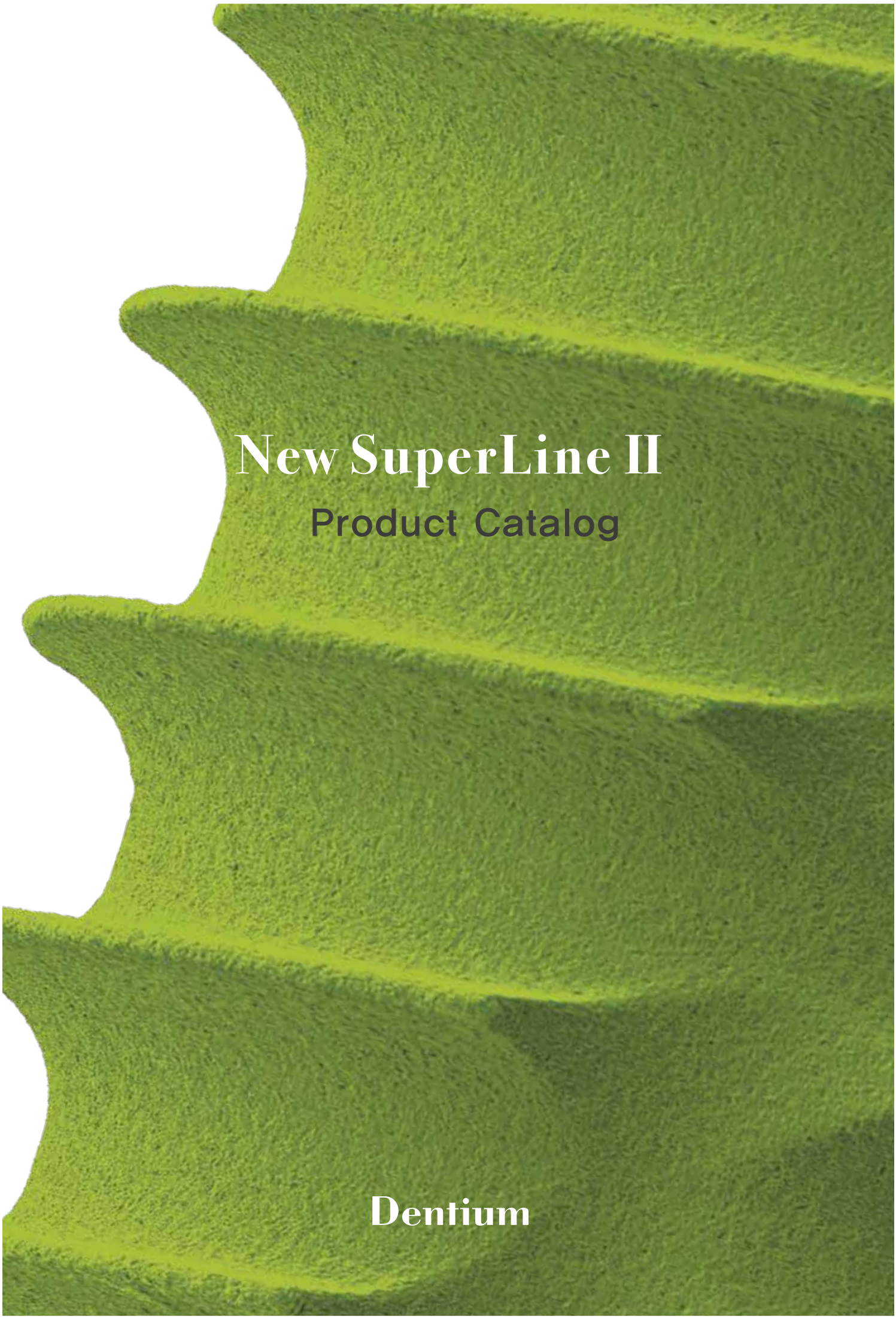

New SuperLine II

Product Catalog

Dentium

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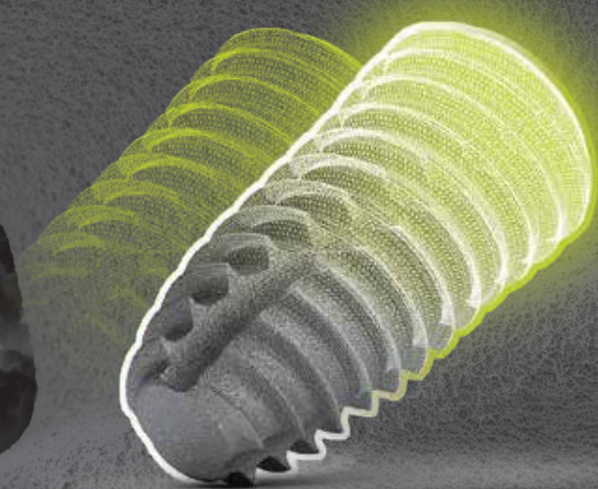
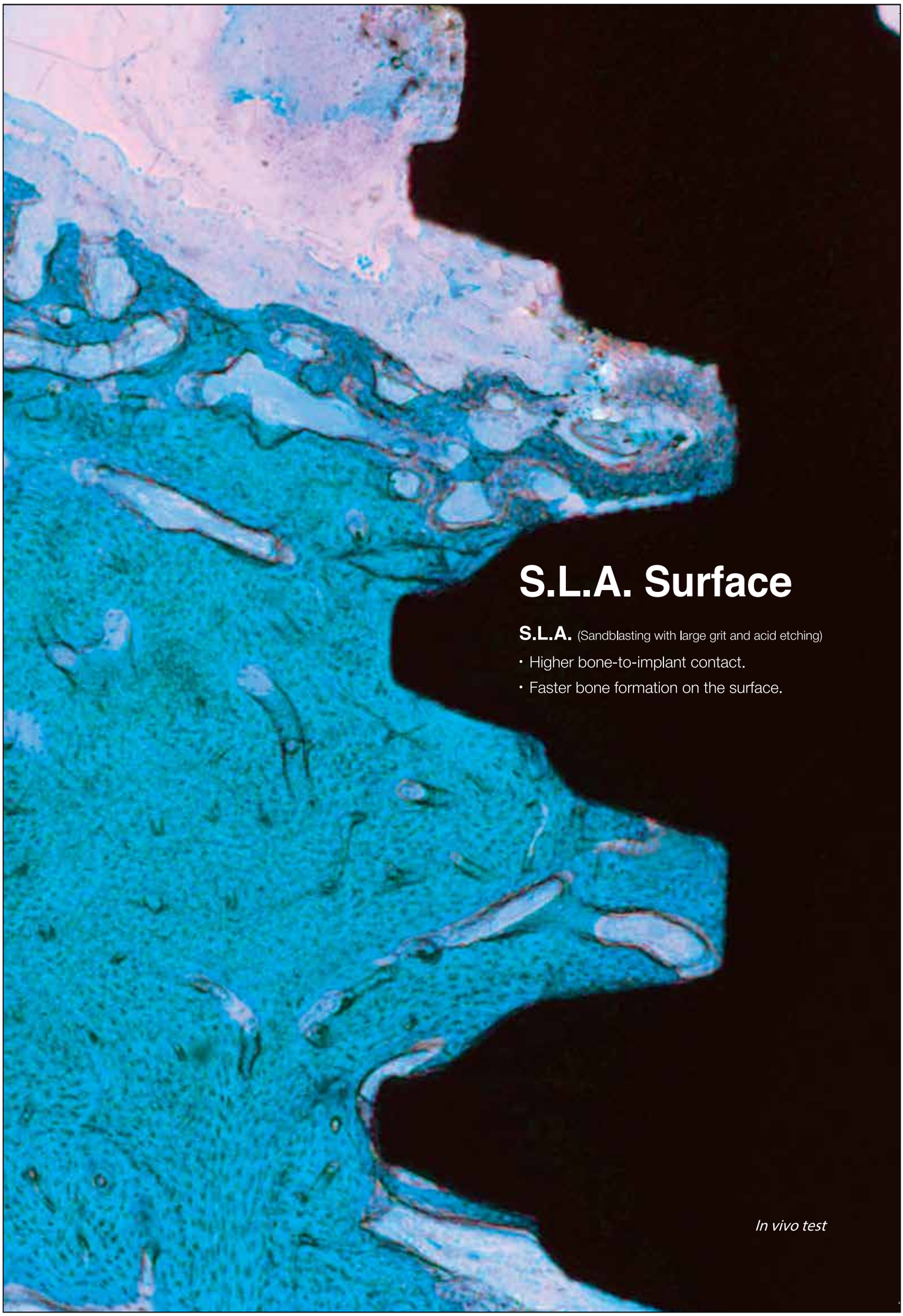




S.L.A. Surface

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

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

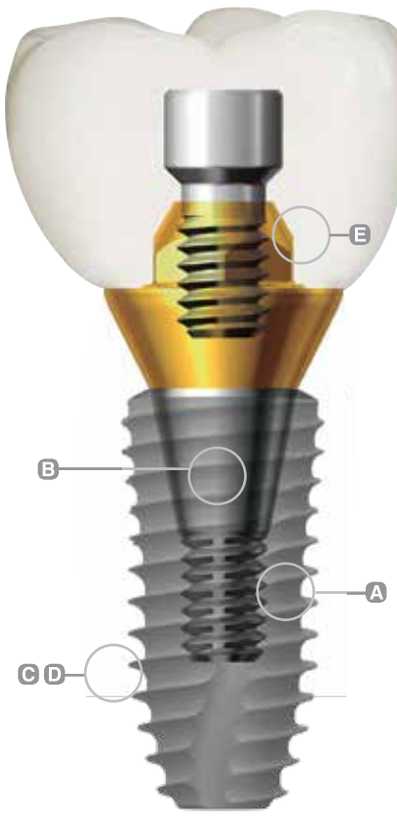
In vivo test

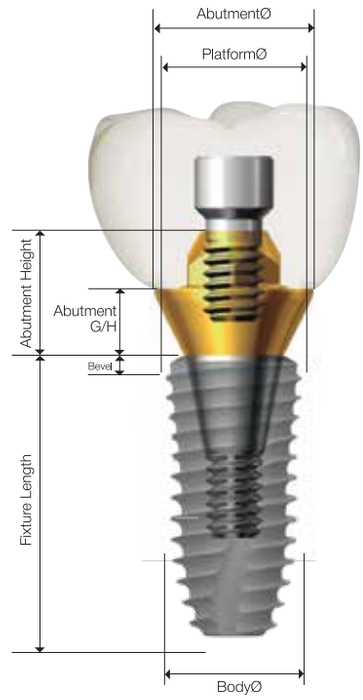

SuperLine

SuperLine Characteristics

"Immediate Implantation with Excellent Bone Response"

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



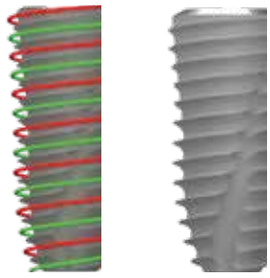


Selection Guideline

Ideal emergence profile for each tooth

SuperLine Characteristics

A Double-threaded Design & Extended Cutting Edge

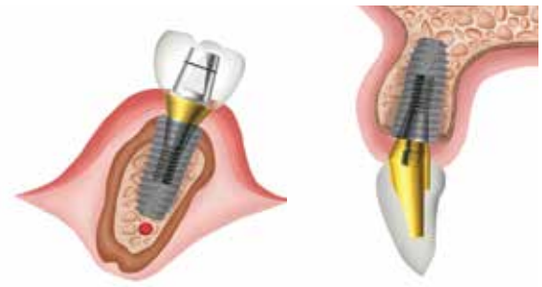


- Improved self-tapping ability
- Allows more control over the depth of fixture placement
- Alleviates the occurrence of over-torque during placement in dense bone
- Sharpened thread design promotes better initial stability in soft bone
- Easy & fast insertion can be done due to double threaded straight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

B Biological Connection

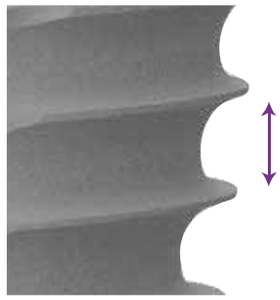
- The conical hex connection between implant and abutment interface ensures hermetic sealing.
- The biologic connection distributes the load to the fixture evenly. Therefore it helps minimize micro-movement and marginal bone loss.
- All implant diameters share the same internal hex.

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

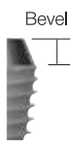
- One abutment screw fits all abutments and fixture platforms.
- Single abutment connection is used for all implant diameters.
- One hex screw driver fits all abutment screws

SuperLine Color Coding by Diameter

Color Coding by Diameter

• Cover screw is not included.

(Unit: mm)

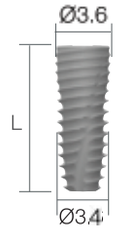
Platform							
Cap Color		 Yellow	 Green	 Blue	 Red	 Orange	 Violet
Fixture SuperLine (Mount Free)							
 PlatformØ	Fixture Platform Diameter	3.6	4.0	4.5	5.0	6.0	7.0
 BodyØ	Fixture Body Diameter	3.4	3.8	4.3	4.8	5.0	5.8
 Bevel	**L : 7** Fixture Bevel Height	1.5	1.5	1.5	1.5	1.5	1.5
 Bevel	**L : 8, 10, 12, 14** Fixture Bevel Height	0	0.1	0.3	0.4	0.7	1.0

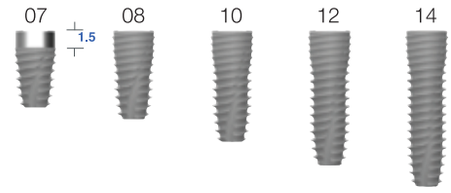
SuperLine Fixture

Unit: mm, Scale 1 : 1.5 / mm

Platform Ø3.6 | Body Ø3.4

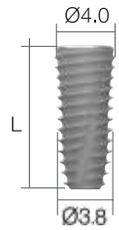
L	Art. No.
7	FXS 36 **07**
8	FXS 36 **08**
10	FXS 36 **10**
12	FXS 36 **12**
14	FXS 36 **14**

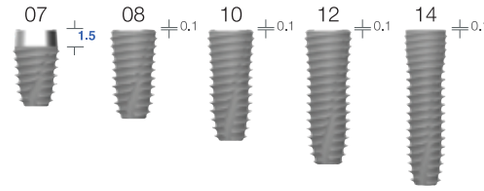




Platform Ø4.0 | Body Ø3.8

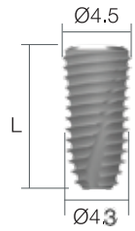
L	Art. No.
7	FXS 40 **07**
8	FXS 40 **08**
10	FXS 40 **10**
12	FXS 40 **12**
14	FXS 40 **14**

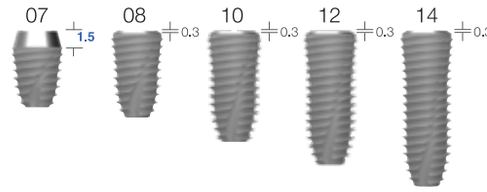




Platform Ø4.5 | Body Ø4.3

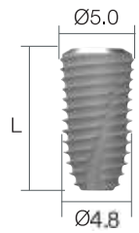
L	Art. No.
7	FXS 45 **07**
8	FXS 45 **08**
10	FXS 45 **10**
12	FXS 45 **12**
14	FXS 45 **14**

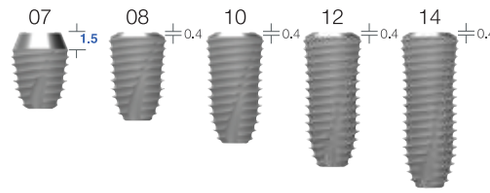




Platform Ø5.0 | Body Ø4.8

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





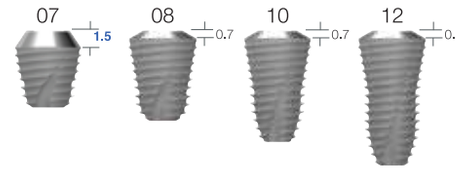
※Note: 1) To prevent damage to the Implant driver or fixture, do not over torque during fixture insertion

SuperLine Fixture

Unit: mm, Scale 1 : 1.5 / mm

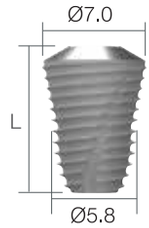
Platform Ø6.0 | Body Ø5.0

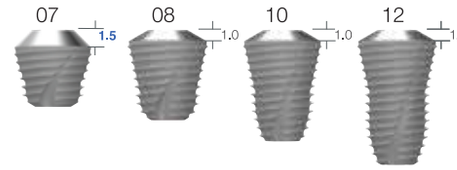
L	Art. No.
7	FXS 60 **07**
8	FXS 60 **08**
10	FXS 60 **10**
12	FXS 60 **12**



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**

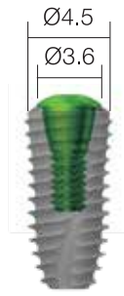




Cover Screw

• Single use only

Unit: mm, Scale 1 : 1.5 / mm



CS36 and FXS4510

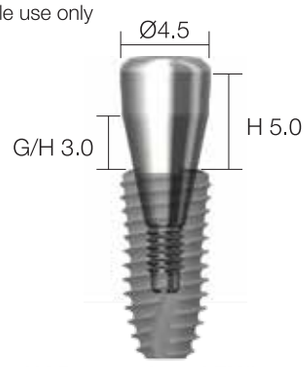
Color: Green

Art. No.	CS36

Healing Abutment

• Single use only

Unit: mm, Scale 1 : 1.5 / mm



HAB453050L and FXS4510

※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.

Healing Abutment

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

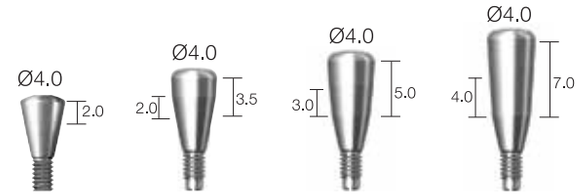
G/H	H	Art. No.
2.0	2.0	HAB 55 **20** 20 L
2.0	3.5	HAB 55 **20** 35 L
3.0	5.0	HAB 55 **30** 50 L
4.0	7.0	HAB 55 **40** 70 L

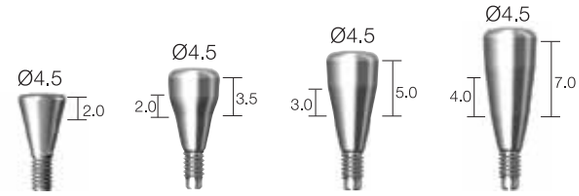
Diameter Ø6.5

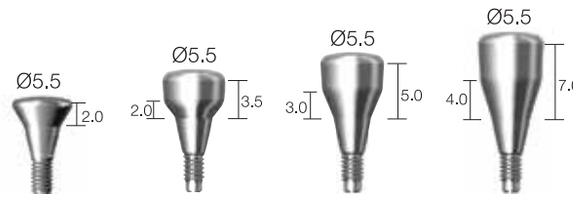
G/H	H	Art. No.
2.0	2.0	HAB 65 **20** 20 L
2.0	3.5	HAB 65 **20** 35 L
3.0	5.0	HAB 65 **30** 50 L
4.0	7.0	HAB 65 **40** 70 L

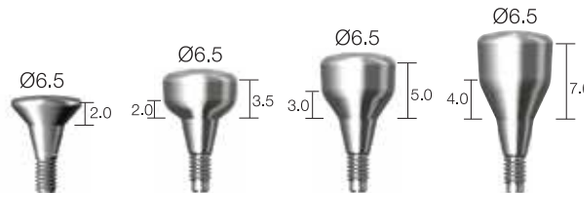
Diameter Ø7.5 / 8.5 / 9.5

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









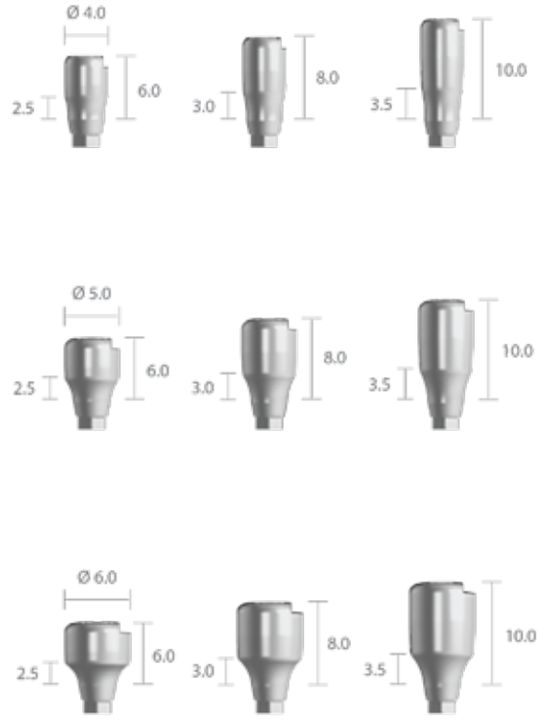
※Hex driver: Use no more than 10N·cm of torque when screwing a healing abutment to a fixture.
If hex is worn, slot on the head of the product can be used to rotate it.

Scan Body

- Single use only, provided sterile
- Tissue contour design
- Abutment screw included
- Material: Ti-6Al-4V ELI
- **NOTE**: Use no more than 10 N·cm of torque when tightening the Scan body

Unit: mm Scale 1.5:1

Diameter	G/H	Height	Type	Ref. No.
Ø 4.0	2.5	6.0	Hex	IHAB 40 06 TH
	2.5	6.0	Non-hex	IHAB 40 06 TN
	3.0	8.0	Hex	IHAB 40 08 TH
	3.0	8.0	Non-hex	IHAB 40 08 TN
	3.5	10.0	Hex	IHAB 40 10 TH
	3.5	10.0	Non-hex	IHAB 40 10 TN
Ø 5.0	2.5	6.0	Hex	IHAB 50 06 TH
	2.5	6.0	Non-hex	IHAB 50 06 TN
	3.0	8.0	Hex	IHAB 50 08 TH
	3.0	8.0	Non-hex	IHAB 50 08 TN
	3.5	10.0	Hex	IHAB 50 10 TH
	3.5	10.0	Non-hex	IHAB 50 10 TN
Ø 6.0	2.5	6.0	Hex	IHAB 60 06 TH
	2.5	6.0	Non-hex	IHAB 60 06 TN
	3.0	8.0	Hex	IHAB 60 08 TH
	3.0	8.0	Non-hex	IHAB 60 08 TN
	3.5	10.0	Hex	IHAB 60 10 TH
	3.5	10.0	Non-hex	IHAB 60 10 TN



Prosthetic Procedure 1

Impression Technique and Restoration Selection

Dual / Combi Abutment

Abutment Level Impression

Closed Tray Technique

Combi Abutment

Ø4.5 / Ø5.5 / Ø6.5

Dual Abutment

Hex / Non-hex Ø4.5 / Ø5.5 / Ø6.5

Impression Coping

Transfer (Snap on) Ø4.5 / Ø5.5 / Ø6.5

Analog

Long Ø4.5 / Ø5.5 / Ø6.5

Analog

Short Ø4.5 / Ø5.5 / Ø6.5

Burn-out Cylinder

Bridge

Rotational

Ø4.5 / Ø5.5 / Ø6.5

Single

Non-rotational

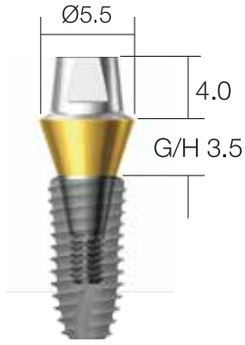
Ø4.5 / Ø5.5 / Ø6.5

Modification

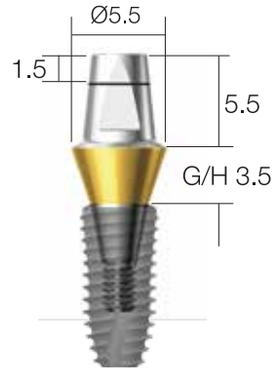
Cemented Restoration

Combi Abutment

Unit: mm, Scale 1 : 1 / mm



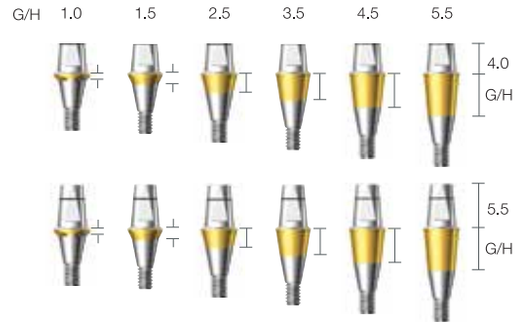
CAB5535SL and FXS4510



CAB5535L and FXS4510

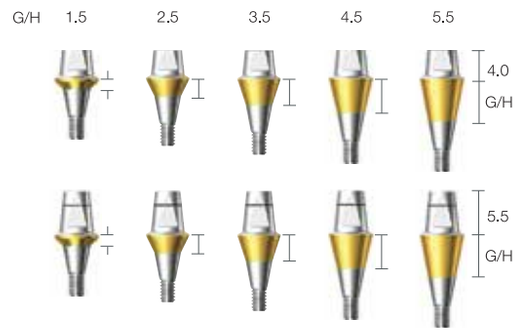
Diameter Ø4.5

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



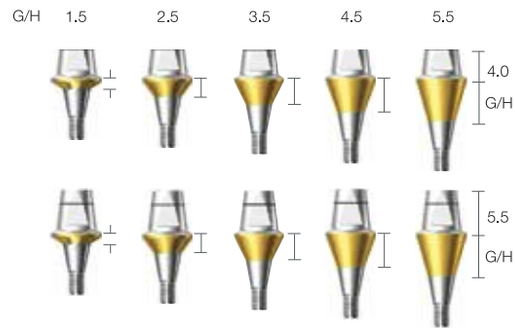
Diameter Ø5.5

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) 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

DAB5535HL and FXS4510

Diameter Ø4.5 | Hex

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

Diameter Ø5.5 | Hex

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

Diameter Ø6.5 | Hex

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

※Note: 1) 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

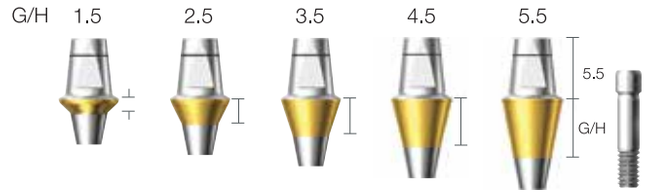
DAB5535NL and FXS4510

Diameter Ø4.5 | Non-hex

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

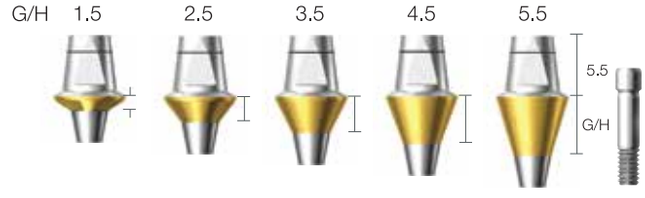
Diameter Ø5.5 | Non-hex

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



Diameter Ø6.5 | Non-hex

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



※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the Dual abutment with fixture.

Abutment Level Impression Components

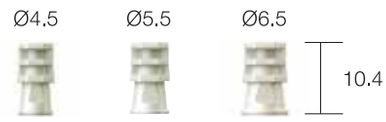
Unit: mm, Scale 1 : 1 / mm

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

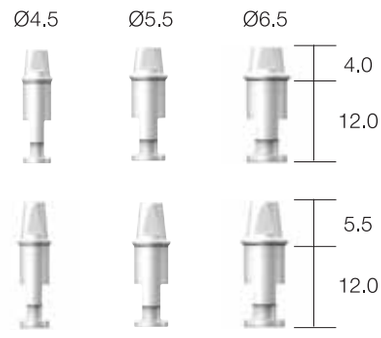
Impression Coping

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



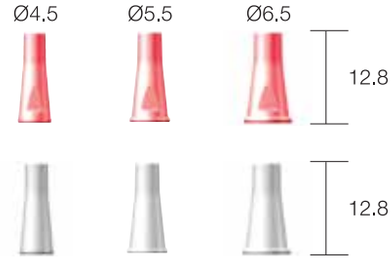
Lab Analog

Type	Diameter	Art. No.
Short	**Ø4.5**	CAN **45 S**L
	Ø5.5	CAN **55 S**L
	Ø6.5	CAN **65 S**L
Long	**Ø4.5**	CAN **45 L**L
	Ø5.5	CAN **55 L**L
	Ø6.5	CAN **65 L**L



Burn-out Cylinder

Type	Diameter	Art. No.
Single	**Ø4.5**	CBC **45 S**L
	Ø5.5	CBC **55 S**L
	Ø6.5	CBC **65 S**L
Bridge	**Ø4.5**	CBC **45 B**L
	Ø5.5	CBC **55 B**L
	Ø6.5	CBC **65 B**L



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 / Metal-Casting / Temporary (Plastic & Ti) Abutment

Fixture Level Impression

Impression Coping Pick-up
Open
tray technique (Complicated case)
Ø4.0 / Ø4.5 / Ø5.5 / Ø6.5

Impression Coping Transfer
Closed
tray technique (Simple case)
Ø4.0 / Ø4.5 / Ø5.5 / Ø6.5

Analog
DAN 38

Dual Abutment
Hex / Non-hex
Ø4.5 / Ø5.5 / Ø6.5

Custom Abutment
Hex / Non-hex
Ø4.5 / Ø5.5

Dual Milling Abutment
Hex / Non-hex
Ø4.0 / Ø4.5
Ø5.5 / Ø6.5 / Ø7.5

Angled Abutment
Hex / Non-hex
15° / 25°
Ø4.5 / Ø5.5

Modification

Cemented Restoration

Metal-Casting Abutment
Hex / Non-hex
Ø4.5

Temporary Abutment
Hex / Non-hex
Ø4.5 / Ø5.5 / Ø6.5

Modification

Screw-Retained Restoration

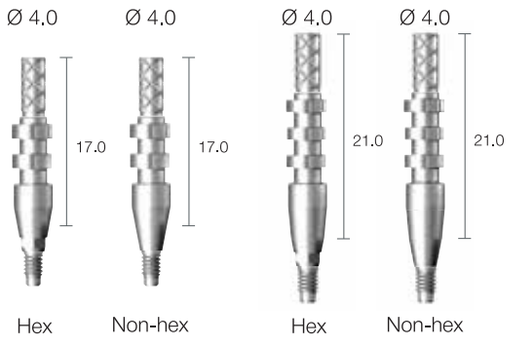
Fixture Level Impression Components

• Impression coping screw is included with Impression coping.

Unit: mm, Scale 1 : 1.5 / mm

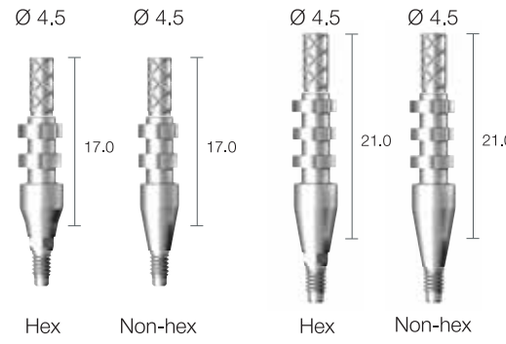
Impression Coping Pick-up Ø4.0

Size	Type	Art. No.
Short	**Hex**	DPU **40** 11 **H**L
Short	**Non-hex**	DPU **40** 11 **N**L
Long	**Hex**	DPU **40** 15 **H**L
Long	**Non-hex**	DPU **40** 15 **N**L



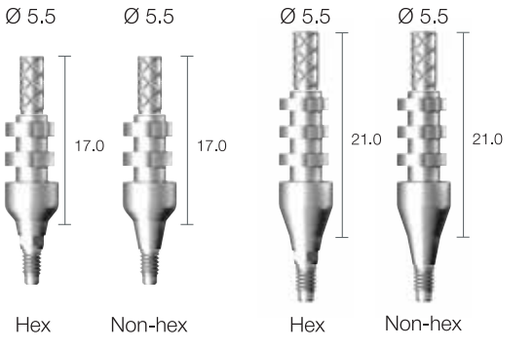
Impression Coping Pick-up Ø4.5

Size	Type	Art. No.
Short	**Hex**	DPU **45** 11 **H**L
Short	**Non-hex**	DPU **45** 11 **N**L
Long	**Hex**	DPU **45** 15 **H**L
Long	**Non-hex**	DPU **45** 15 **N**L



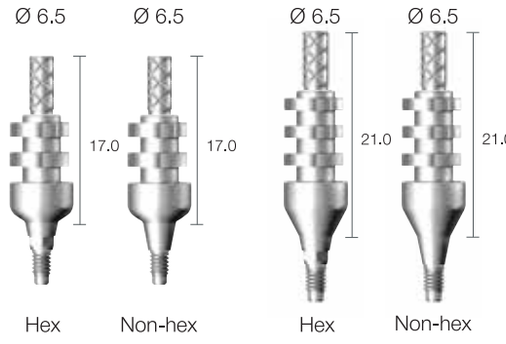
Impression Coping Pick-up Ø5.5

Size	Type	Art. No.
Short	**Hex**	DPU **55** 11 **H**L
Short	**Non-hex**	DPU **55** 11 **N**L
Long	**Hex**	DPU **55** 15 **H**L
Long	**Non-hex**	DPU **55** 15 **N**L



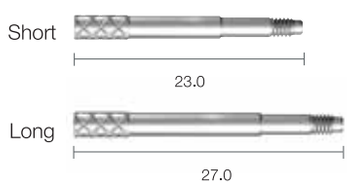
Impression Coping Pick-up Ø6.5

Size	Type	Art. No.
Short	**Hex**	DPU **65** 11 **H**L
Short	**Non-hex**	DPU **65** 11 **N**L
Long	**Hex**	DPU **65** 15 **H**L
Long	**Non-hex**	DPU **65** 15 **N**L



Impression Coping Pick-up Screw

Size	Art. No.
Short	DPS 11
Long	DPS 15



Analog

Application (BodyØ)	Art. No.
3.4 / Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DAN38

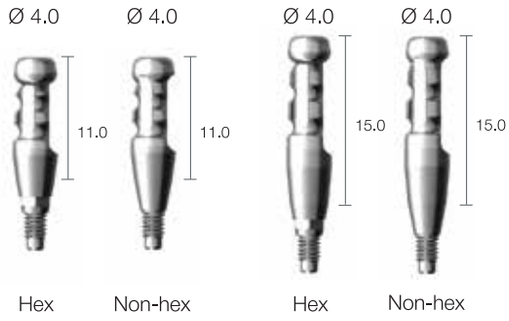
Fixture Level Impression Components

• Impression coping screw is included with Impression coping.

Unit: mm, Scale 1 : 1.5 / mm

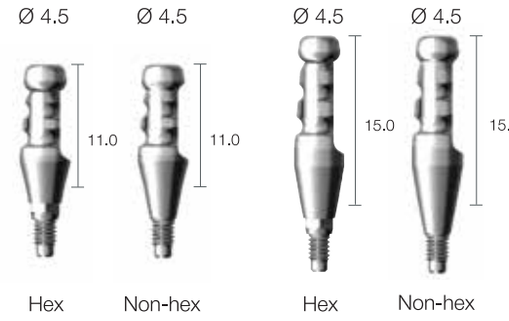
Impression Coping Transfer Ø4.0

Size	Type	Art. No.
Short	**Hex**	DTF **40** 11 **H**L
Short	**Non-hex**	DTF **40** 11 **N**L
Long	**Hex**	DTF **40** 15 **H**L
Long	**Non-hex**	DTF **40** 15 **N**L



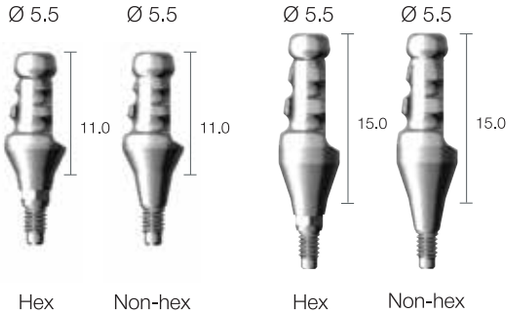
Impression Coping Transfer Ø4.5

Size	Type	Art. No.
Short	**Hex**	DTF **45** 11 **H**L
Short	**Non-hex**	DTF **45** 11 **N**L
Long	**Hex**	DTF **45** 15 **H**L
Long	**Non-hex**	DTF **45** 15 **N**L



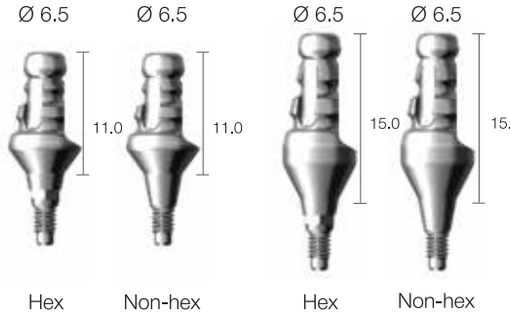
Impression Coping Transfer Ø5.5

Size	Type	Art. No.
Short	**Hex**	DTF **55** 11 **H**L
Short	**Non-hex**	DTF **55** 11 **N**L
Long	**Hex**	DTF **55** 15 **H**L
Long	**Non-hex**	DTF **55** 15 **N**L



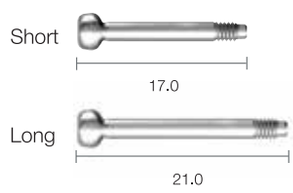
Impression Coping Transfer Ø6.5

Size	Type	Art. No.
Short	**Hex**	DTF **65** 11 **H**L
Short	**Non-hex**	DTF **65** 11 **N**L
Long	**Hex**	DTF **65** 15 **H**L
Long	**Non-hex**	DTF **65** 15 **N**L



Impression Coping Transfer Screw

Size	Art. No.
Short	DTS 11
Long	DTS 15



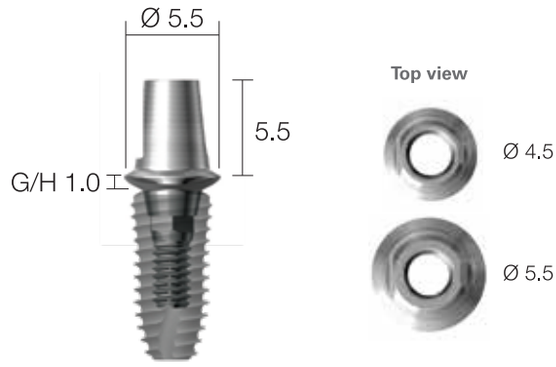
Analog I for SuperLine and Implantium

Application (BodyØ)	Art. No.
3.4 / Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DAN38

Custom Abutment

• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm



CDAB5510H and FXS4510

Diameter Ø4.5

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 Ø5.5

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

Titanium Abutment Blanks

Unit: mm, Scale 1 : 0.8

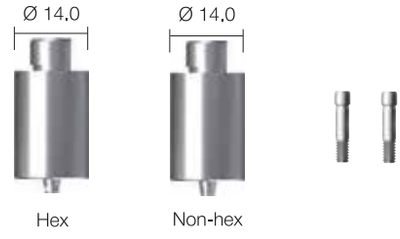
1

- Two abutment screws included

Material : Ti-6Al-4V ELI

Diameter	Type	Ref. No.
Ø 10.0	Hex	CMAB 10 HAL
	Non-hex	CMAB 10 NA

Diameter	Type	Ref. No.
Ø 14.0	Hex	CMAB 14 HAL
	Non-hex	CMAB 14 NA



Diameter	Type	Ref. No.
Ø 15.0	Hex	CMAB 15 HAL
	Non-hex	CMAB 15 NA

Dual Milling Abutment [Ti-G4]

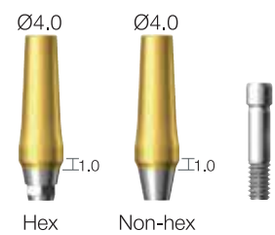
• Abutment screw is included.

Unit:mm, Scale 1: 1.5 / mm

DAB55157HL and FXS4510

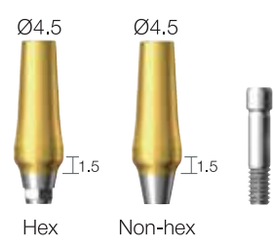
Diameter Ø4.0

G/H	Type	Art. No.
1.0	**Hex**	DAB 40 105 **H**L
1.0	**Non-hex**	DAB 40 105 **N**L



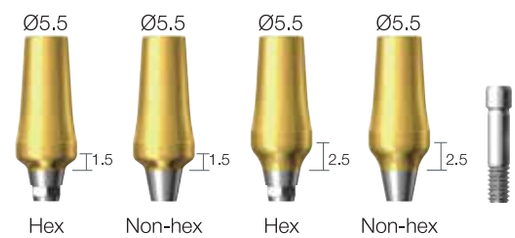
Diameter Ø4.5

G/H	Type	Art. No.
1.5	**Hex**	DAB 45 156 **H**L
1.5	**Non-hex**	DAB 45 156 **N**L



Diameter Ø5.5

G/H	Type	Art. No.
1.5	**Hex**	DAB 55 157 **H**L
1.5	**Non-hex**	DAB 55 157 **N**L
2.5	**Hex**	DAB 55 257 **H**L
2.5	**Non-hex**	DAB 55 257 **N**L



※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the milling abutment with fixture.

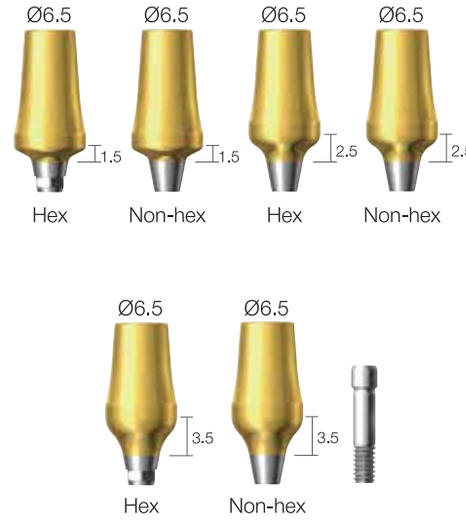
Dual Milling Abutment [Ti-G4]

• 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 **H**L
1.5	**Non-hex**	DAB 65 158 **N**L
2.5	**Hex**	DAB 65 258 **H**L
2.5	**Non-hex**	DAB 65 258 **N**L
3.5	**Hex**	DAB 65 358 **H**L
3.5	**Non-hex**	DAB 65 358 **N**L



Diameter Ø7.5

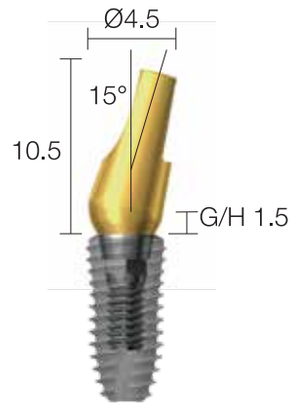
G/H	Type	Art. No.
2.5	**Hex**	DAB 75 259 **H**L
2.5	**Non-hex**	DAB 75 259 **N**L
3.5	**Hex**	DAB 75 359 **H**L
3.5	**Non-hex**	DAB 75 359 **N**L

※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the milling abutment with fixture.

Angled Abutment [Ti-G4 / 15°]

• Abutment screw is included.

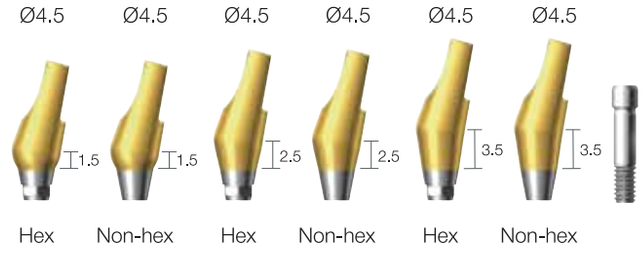
Unit: mm, Scale 1 : 1.5 / mm



AAB154515HL and FXS4510

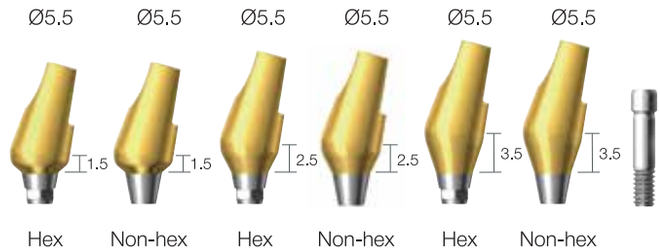
Diameter Ø4.5 | Angled 15°

G/H	Type	Art. No.
1.5	**Hex**	AAB 15 45 15 **H**L
1.5	**Non-hex**	AAB 15 45 15 **N**L
2.5	**Hex**	AAB 15 45 25 **H**L
2.5	**Non-hex**	AAB 15 45 25 **N**L
3.5	**Hex**	AAB 15 45 35 **H**L
3.5	**Non-hex**	AAB 15 45 35 **N**L



Diameter Ø5.5 | Angled 15°

G/H	Type	Art. No.
1.5	**Hex**	AAB 15 55 15 **H**L
1.5	**Non-hex**	AAB 15 55 15 **N**L
2.5	**Hex**	AAB 15 55 25 **H**L
2.5	**Non-hex**	AAB 15 55 25 **N**L
3.5	**Hex**	AAB 15 55 35 **H**L
3.5	**Non-hex**	AAB 15 55 35 **N**L

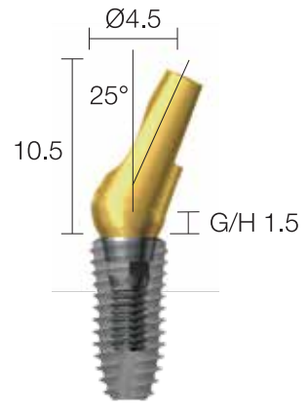


※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with fixture.

Angled Abutment [Ti-G4 / 25°]

• Abutment screw is included.

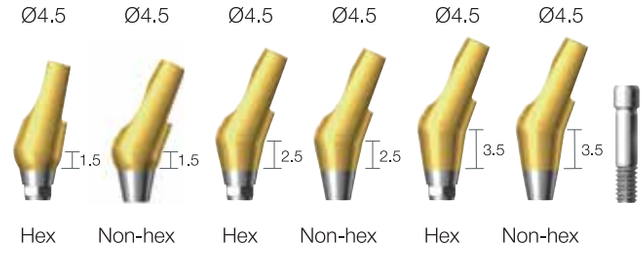
Unit: mm, Scale 1 : 1.5 / mm



AAB254515HL and FXS4510

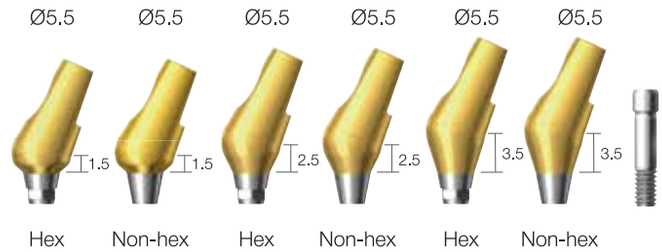
Diameter Ø4.5 | Angled 25°

G/H	Type	Art. No.
1.5	**Hex**	AAB 25 45 15 **H**L
1.5	**Non-hex**	AAB 25 45 15 **N**L
2.5	**Hex**	AAB 25 45 25 **H**L
2.5	**Non-hex**	AAB 25 45 25 **N**L
3.5	**Hex**	AAB 25 45 35 **H**L
3.5	**Non-hex**	AAB 25 45 35 **N**L



Diameter Ø5.5 | Angled 25°

G/H	Type	Art. No.
1.5	**Hex**	AAB 25 55 15 **H**L
1.5	**Non-hex**	AAB 25 55 15 **N**L
2.5	**Hex**	AAB 25 55 25 **H**L
2.5	**Non-hex**	AAB 25 55 25 **N**L
3.5	**Hex**	AAB 25 55 35 **H**L
3.5	**Non-hex**	AAB 25 55 35 **N**L



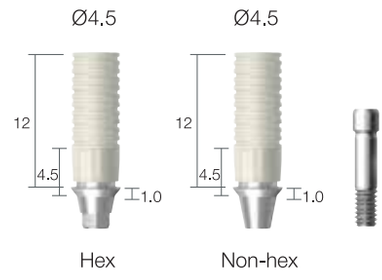
※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with fixture.

Metal-Casting Abutment

RAB45CH and FXS4510

Metal-Casting Abutment | Co-Cr

G/H	Type	Art. No.
1.0	**Hex**	RAB 45 C**H**
1.0	**Non-hex**	RAB 45 C**N**

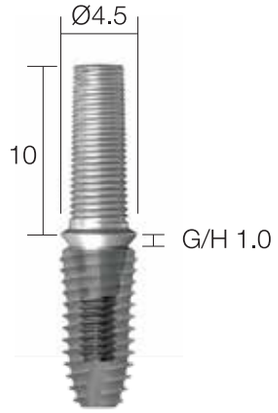


※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the meta casting abutment with fixture.

Temporary Abutment

• Abutment screw is included.

Unit: mm, Scale 1 : 1.5 / mm

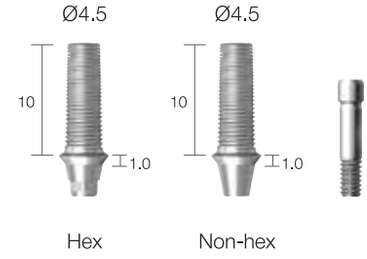


RAB45THG and FXS4510

RAB4520PHL and FXS4510

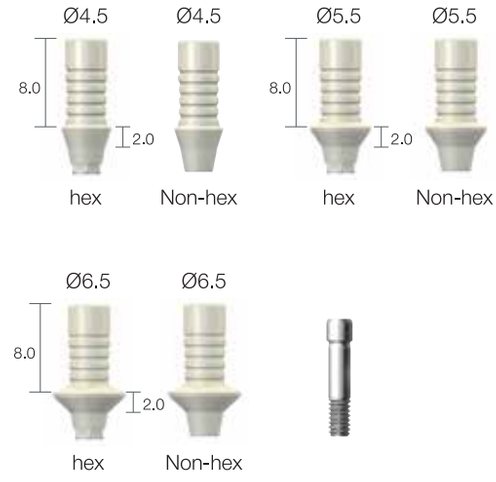
Ti-Temporary Abutment

Diameter	G/H	Type	Art. No.
Ø**4.5**	**1.0**	**Hex**	RAB 45 **TH**G
Ø**4.5**	**1.0**	**Non-hex**	RAB 45 T**N**G



Plastic Temporary Abutment

Diameter	G/H	Type	Art. No.
Ø**4.5**	**2.0**	**hex**	RAB 45 20 P**H**L
Ø**4.5**	**2.0**	**Non-hex**	RAB 45 20 P**N**L
Ø**5.5**	**2.0**	**hex**	RAB 55 20 P**H**L
Ø**5.5**	**2.0**	**Non-hex**	RAB 55 20 P**N**L
Ø**6.5**	**2.0**	**hex**	RAB 65 20 P**H**L
Ø**6.5**	**2.0**	**Non-hex**	RAB 65 20 P**N**L



※Note: 1) 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

Abutment Level Impression

Screw Abutment

Ø4.5 / Ø5.5

Angled Screw Abutment

Ø4.5 / Ø5.5

Open Tray Technique

Impression Coping Pick-up

Bridge / Single Ø4.5 / Ø5.5

Closed Tray Technique

Impression Coping Transfer

Bridge / Single Ø4.5 / Ø5.5

Analog

Ø4.5/Ø5.5

Burn-out Cylinder

Ø4.5 / Ø5.5

Bridge (Non-hex)

Single (Hex)

Metal Cylinder

Ø4.5 / Ø5.5

Bridge (Non-hex)

Single (Hex)

Titanium Cylinder

Ø4.5 / Ø5.5

Bridge (Non-hex)

Single (Hex)

Polishing Protector

Ø4.5 / Ø5.5

Temporary Restoration

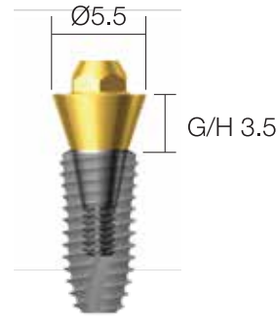
Ti-Retaining Screw

Screw-Retained Restoration

Screw Abutment

Unit: mm, Scale 1 : 1.5 / mm

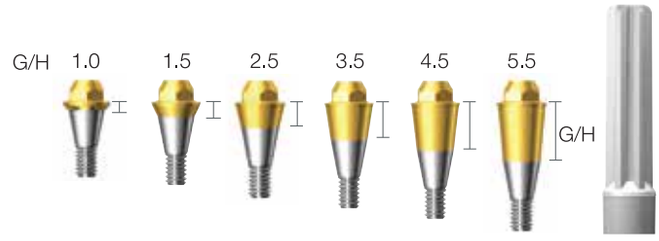
Delivery Holder



SAB5535L and FXS4510

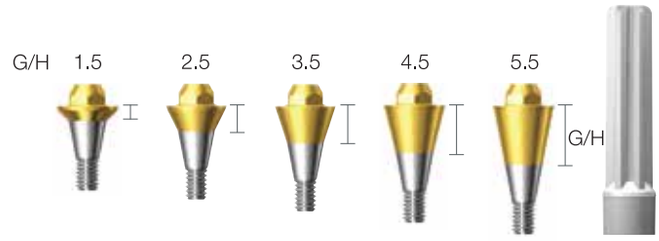
Diameter Ø4.5

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

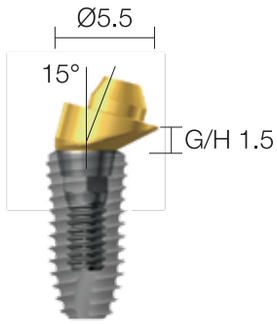
G/H	Art. No.
1.5	SAB55 **15** L
2.5	SAB55 **25** L
3.5	SAB55 **35** L
4.5	SAB55 **45** L
5.5	SAB55 **55** L



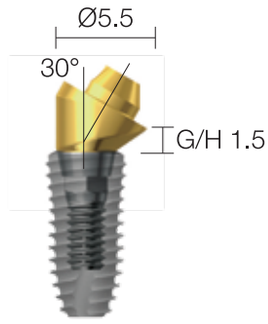
※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the screw abutment with fixture.

Angled Screw Abutment

Unit: mm, Scale 1 : 1.5 / mm



ASA55151518N and FXS4510

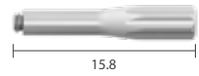


ASA55301518N and FXS4510

Delivery Holder

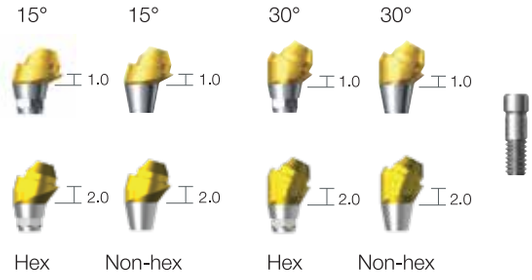
Ti-Delivery Holder

ASAH



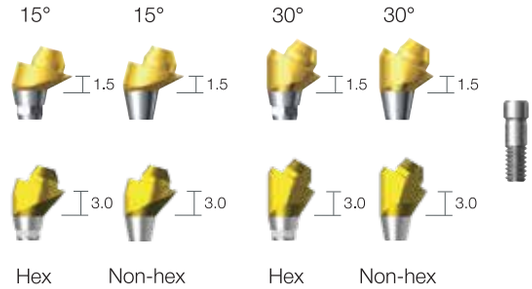
Angled Screw Abutment Ø4.5

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

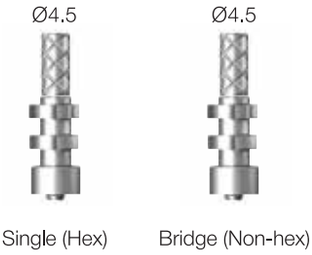
※Note: 1) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled screw abutment with fixture.

Screw Abutment Impression Components

Unit: mm, Scale 1 : 1.5 / mm

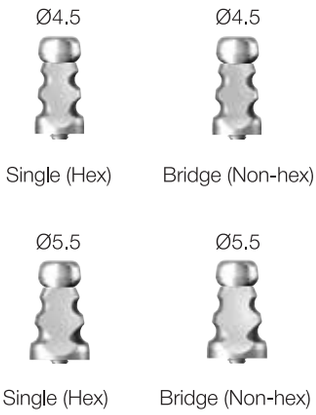
Impression Coping Pick-up

Diameter	Type		Art. No.
Ø**4.5**	Single	**Hex**	SPU **45 S**L
Ø**4.5**	Bridge	**Non-hex**	SPU **45 B**L
Ø**5.5**	Single	**Hex**	SPU **55 S**L
Ø**5.5**	Bridge	**Non-hex**	SPU **55 B**L



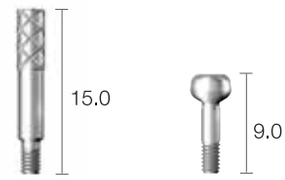
Impression Coping Transfer

Diameter	Type		Art. No.
Ø**4.5**	Single	**Hex**	STF **45 S**L
Ø**4.5**	Bridge	**Non-hex**	STF **45 B**L
Ø**5.5**	Single	**Hex**	STF **55 S**L
Ø**5.5**	Bridge	**Non-hex**	STF **55 B**L



Impression Coping Screw

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

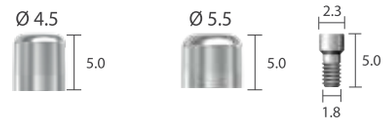


Screw Abutment Components

Scan Comfort Cap | for Screw Abutment

Diameter	Length	Type	Ref. No.
Ø 4.5	5.0	Hex Non-hex	ISC 45 ST ISC 45 BT
Ø 5.5		Hex Non-hex	ISC 55 ST ISC 55 BT

• Ti-retaining screw included



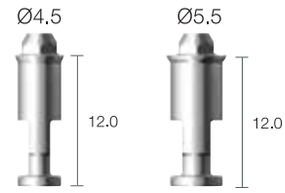
Scan Comfort Cap | for Screw Abutment

Diameter	Length	Type	Ref. No.
Ø 4.5	5.0	Hex Non-hex	ISC 45 SP ISC 45 BP
Ø 5.5		Hex Non-hex	ISC 55 SP ISC 55 BP

• Ti-retaining screw (SRS 18T) included

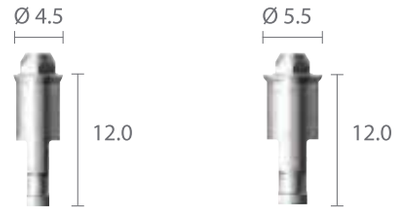
Analog

Diameter	Art. No.
Ø**4.5**	SAN **45** L
Ø**5.5**	SAN **55** L



Digital Analog | for Screw Abutment

Diameter	Art. No.
Ø 4.5	SAN 45 D
Ø 5.5	SAN 55 D



Polishing Protector

Diameter	Art. No.
Ø**4.5**	SPP **45** L
Ø**5.5**	SPP **55** L

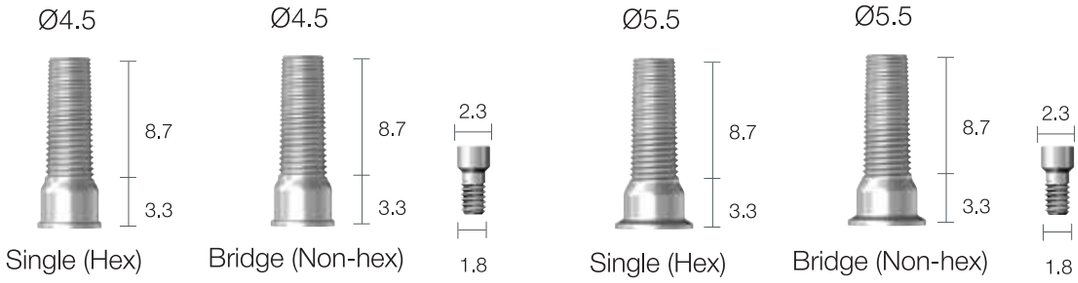
Ti-Retaining Screw

SRS 18 T

Screw Abutment Impression Components

Temporary Cylinder | Ti-Cylinder

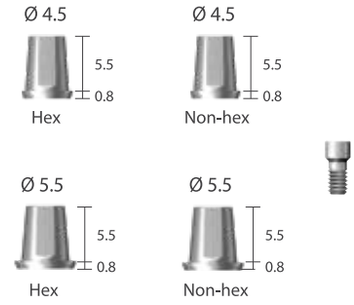
Diameter	Type		Art. No.
Ø**4.5**	Single	**Hex**	STC **45 S**G
Ø**4.5**	Bridge	**Non-hex**	STC **45 B**G
Ø**5.5**	Single	**Hex**	STC **55 S**G
Ø**5.5**	Bridge	**Non-hex**	STC **55 B**G



Ti-Cylinder Material : Ti-6AL-4V ELI

Diameter	Type	Art. No.
Ø 4.5	Hex	STA 45 S
	Non-hex	STA 45 B
Ø 5.5	Hex	STA 55 S
	Non-hex	STA 55 B

• Ti-retaining screw included

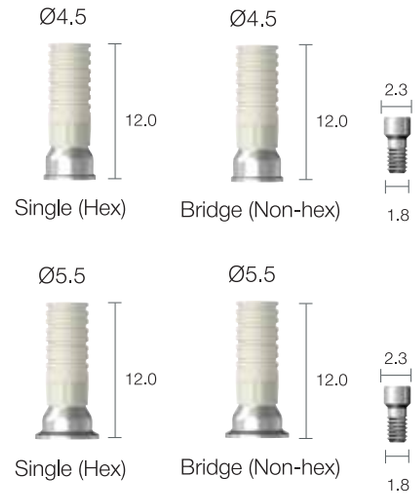


Screw Abutment Impression Components

Unit: mm, Scale 1 : 1.5 / mm

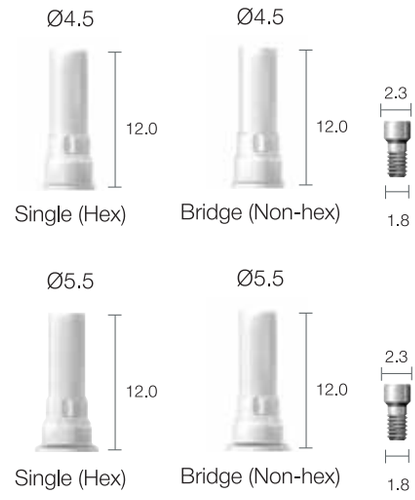
Metal Cylinder | Co-Cr

Diameter	Type		Art. No.
Ø**4.5**	Single	**Hex**	SGC **45** C**S**L
Ø**4.5**	Bridge	**Non-hex**	SGC **45** C**B**L
Ø**5.5**	Single	**Hex**	SGC **55** C**S**L
Ø**5.5**	Bridge	**Non-hex**	SGC **55** C**B**L



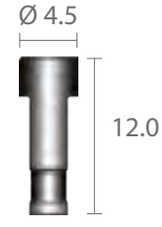
Burn-out Cylinder

Diameter	Type		Art. No.
Ø**4.5**	Single	**Hex**	SBC **45 S**L
Ø**4.5**	Bridge	**Non-hex**	SBC **45 B**L
Ø**5.5**	Single	**Hex**	SBC **55 S**L
Ø**5.5**	Bridge	**Non-hex**	SBC **55 B**L



Digital Analog

Implant platform Ø	Ref. No.
All diameters	DAN 38 D



Prosthetic Procedure 4

Impression Technique and Restoration Type

Overdenture Procedure

Positioner / Mini Ball / Magnetic Attachment

Positioner Abutment

Ø3.5

Mini Ball Abutment

Ø3.5

Implant Keeper

Ø4.5 / Ø5.5

Implant Keeper

Ø4.5 / Ø5.5

Abutment Level Impression

Positioner Impression Coping

Mini Ball Impression Coping

Positioner Analog

Mini Ball Analog

Block Out Spacer

Socket Spacer

Magnetic Assay

Magnetic Assay

Positioner Metal Socket / Plastic Socket

Mini Denture Socket and O-ring

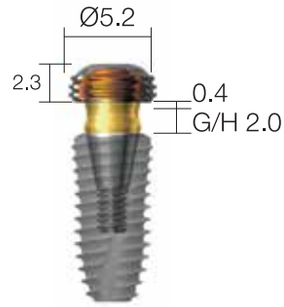
Positioner Attachment for Overdenture

Mini Ball and Socket Attachment for Overdenture

Magnetic Attachment for Overdenture

Positioner Abutment

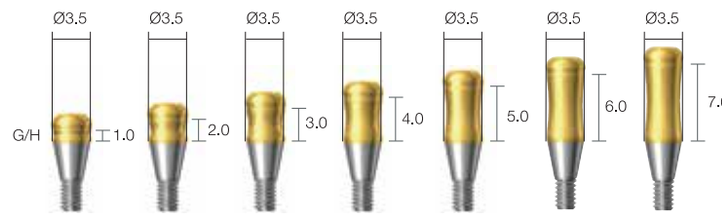
Unit: mm, Scale 1 : 1.5 / mm



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

Positioner

Unit: mm, Scale 1 : 1.5 / mm

Positioner Socket Set

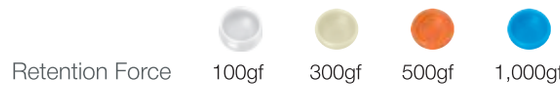
Art. No.	FSMHS(Tilting Type ±10°)
	FSMHSN(Non Tilting Type ±5°)

Positioner Metal Socket

Art. No.	FSMH

Positioner Plastic Socket

Application	Art. No.
Tilting Type **±10°**	MSHP (Blue) MSMP (Orange) MSLP (Ivory) MSOP (White)
Non Tilting Type **±5°**	MSHPN (Blue) MSMPN (Orange) MSLPN (Ivory) MSOP (White)



Positioner Block Out Spacer

Art. No.	PBOS

Positioner Core Tool

Art. No.	XPCT

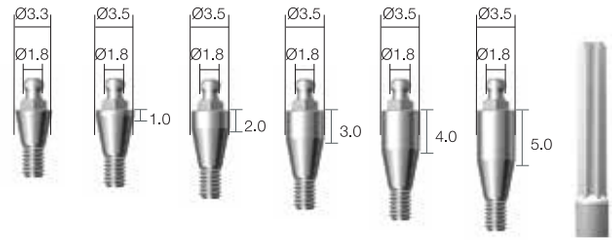
Mini Ball Attachment

Unit: mm, Scale 1 : 1.5 / mm

BPF3 and BAB352018 and FXS4510

Mini Ball Abutment

G/H	Art. No.
0	BAB 35 **00**18
1.0	BAB 35 **10**18
2.0	BAB 35 **20**18
3.0	BAB 35 **30**18
4.0	BAB 35 **40**18
5.0	BAB 35 **50**18



Mini Ball Impression Coping

GICA

Mini Ball Analog

BANL

Socket Spacer

Art. No.	GBIC3L GBIC2L

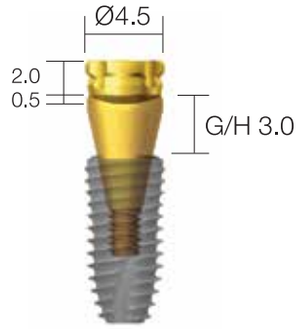
Female Socket

Art. No.	BPF3 (300~500gf) BPF2 (500~700gf)

※Note: 1) 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



MGT4520D and MKP4530D and FXS4510

Magnetic Assay

Application	Diameter	H	Art. No.
MKP45D	Ø**4.5**	**2.0**	MGT 45 **20 D**
MKP55D	Ø**5.5**	**2.0**	MGT 55 **20 D**

Retention Force 350gf

Retention Force 700gf

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**

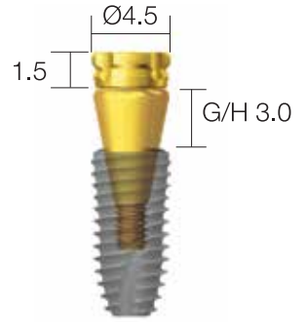
Implant Keeper Diameter Ø5.5

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) 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**

Retention Force 400gf

Retention Force 450gf

Retention Force 700gf

Retention Force 750gf

Implant Keeper Diameter Ø4.5

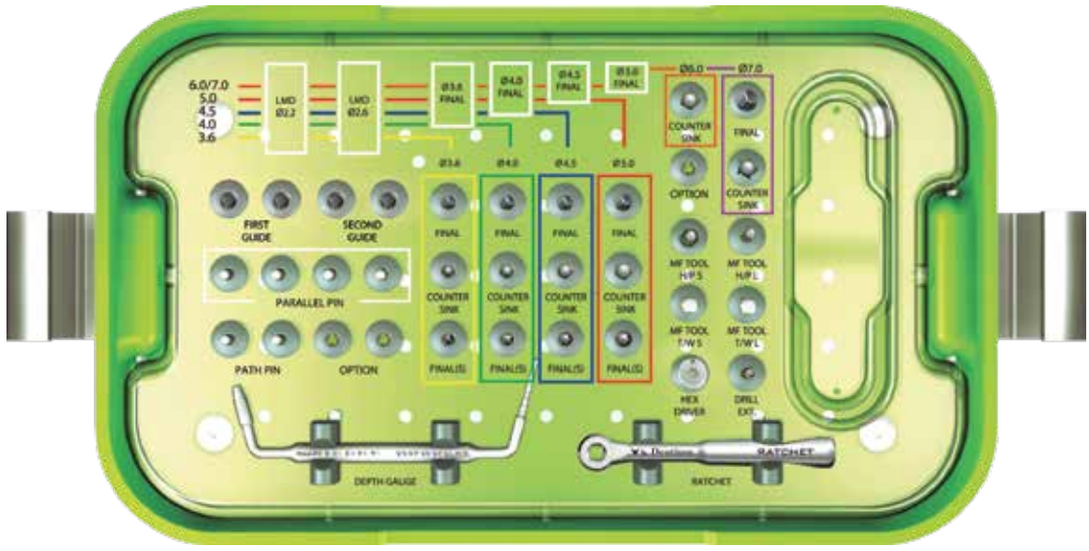
G/H	Art. No.
1.0	MKP 45 **10**
2.0	MKP 45 **20**
3.0	MKP 45 **30**
4.0	MKP 45 **40**
5.0	MKP 45 **50**
6.0	MKP 45 **60**

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

Surgical Kit [Full]

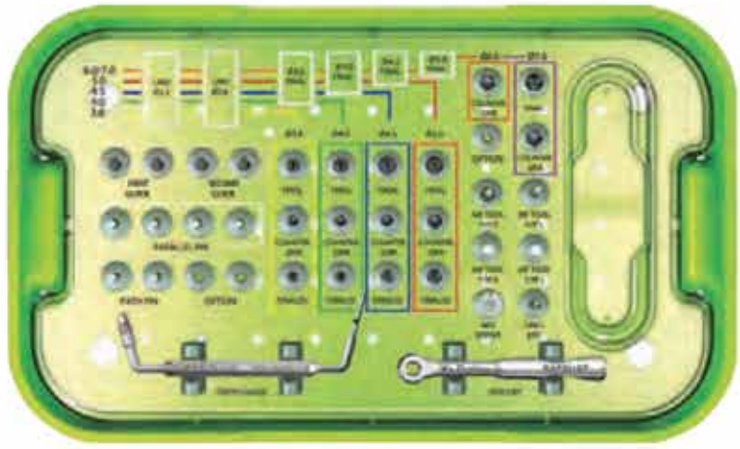


UXIF

Kit Contents

- First guide drill
  - XLD **22** 29
  - XLD **22** 35 (Stopper)
- Second guide drill
  - XLD **26** 29
  - XLD **26** 35 (Stopper)
- Final drill (Stopper)
  - XFD **34** 35
  - XFD **38** 35
  - XFD **43** 35
  - XFD **48** 35
- Final drill
  - XFD **34** 29
  - XFD **38** 29
  - XFD **43** 29
  - XFD **48** 29
  - XFD **58** 31
- Countersink
  - XCS **36** 29 SW
  - XCS **40** 29 SW
  - XCS **45** 29 SW
  - XCS **50** 29 SW
  - XCS **60** 29 SW
  - XCS **70** 29 SW
- Parallel pin x4
  - XPP 162220 T
- Hand-piece adapter
  - XID **27** H
  - XID **32** H
- Ratchet adapter
  - XID **26** W
  - XID **32** W
- Path pin x2
  - XMFPA2
- Hex driver
  - XHD **26** T
- Drill extension
  - XDE
- Depth gauge
  - XDGL
- Ratchet
  - XRCA1

Surgical Kit [Full]



Ref. No.	UXNF

Scale 0.7:1

First Guide Drill / Second Guide Drill

XLD2229 | XLD2235 (Stopper) | XLD2629 | XLD2635 (Stopper)

Final Drills

XFD 34 29 | XFD 38 29 | XFD 43 29 | XFD 48 29 | XFD 58 31

Handpiece Adapter

XFA 27 H | XFA 32 H

Parellel Pin

XPP162220T

Countersink Drills

XCS 3629 SW | XCS 4029 SW | XCS 4529 SW | XCS 5029 SW | XCS 6029 SW | XCS 7029SW

Ratchet Adapter

XFA 26 W | XFA 32 W

MF Path Pin

XMFPA 2

Final Drills (Stopper)

XFD 34 35 | XFD 38 35 | XFD 43 35 | XFD 48 35

Hex Driver / Drill Extension

XHD 26 T | XDE

Depth Gauge

XDGL

Ratchet

XRCA 1

Surgical Kit [Stopper Drill Full]

Stopper Drill Full Kit UXSF

Kit Includes

First Guide Drill

XLD2208S

Second Guide Drill

XLD2608S

Final Drill

XFD3408S XFD3808S XFD4308S XFD4808S

XFD5831

Hand-piece Adapter

XFA27H XFA32H

XLD2210S

XLD2610S

XFD3410S XFD3810S XFD4310S XFD4810S

Ratchet Adapter

XFA26W XFA32W

XLD2212S

XLD2612S

XFD3412S XFC3812S XFD4312S XFD4812S

HexDriver Drill Extension

XHD26T XDE

Parallel Pin

XPP162220T

Countersink

XFC3607 XFC4007 XFC4507 XFC5007 XFC6007 XFC7007

Hand-piece Rachet

XHD25H XHD25W

MF Path Pin

XMFPA2

Depth Gauge

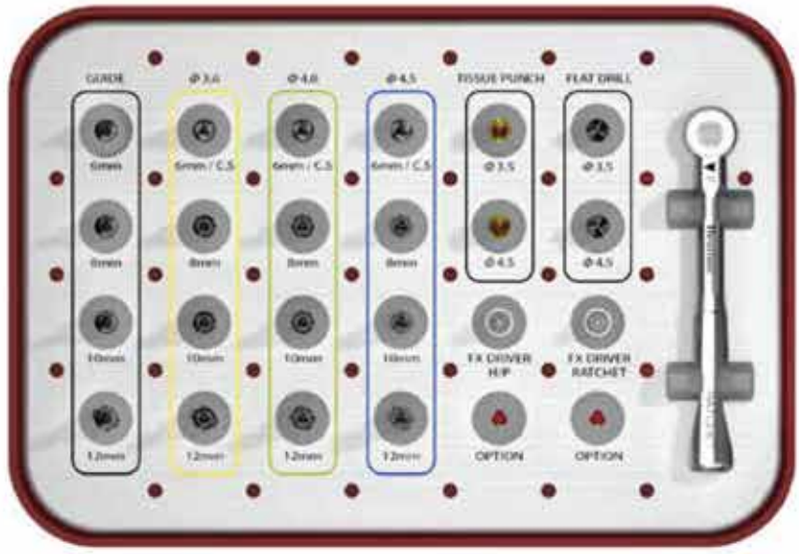
XDGL

Torque Wrench

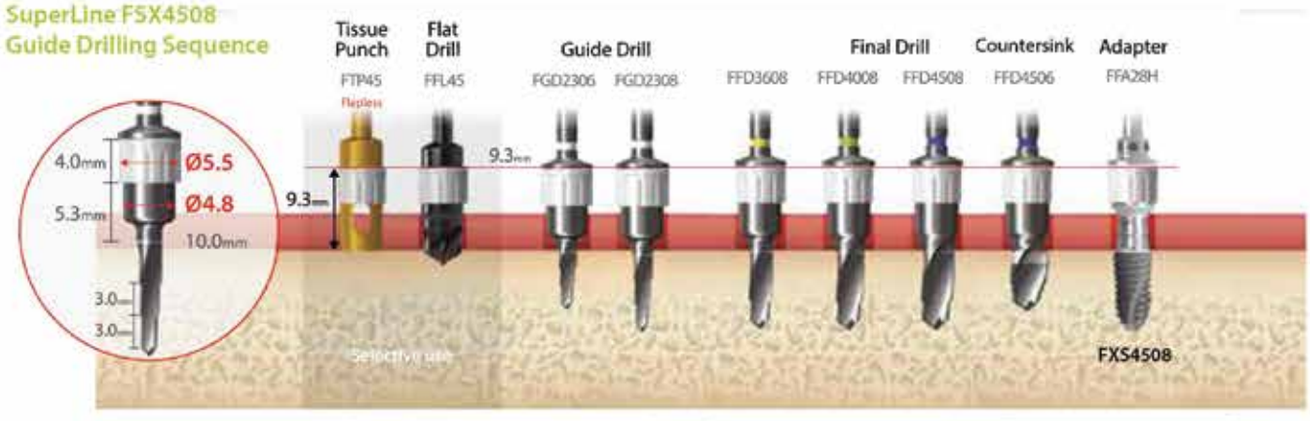
XNTW

Digital Guide | Full Kit for FX 36/40/45

Unit: mm, Scale 1 : 1



XGSFK



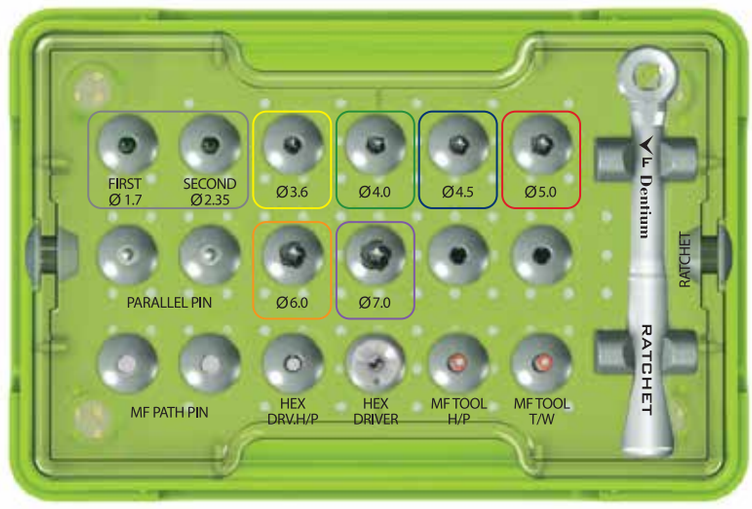
Surgical Kit [Standard]

UXIFN

Kit Contents

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

Surgical Kit [Short Implant]

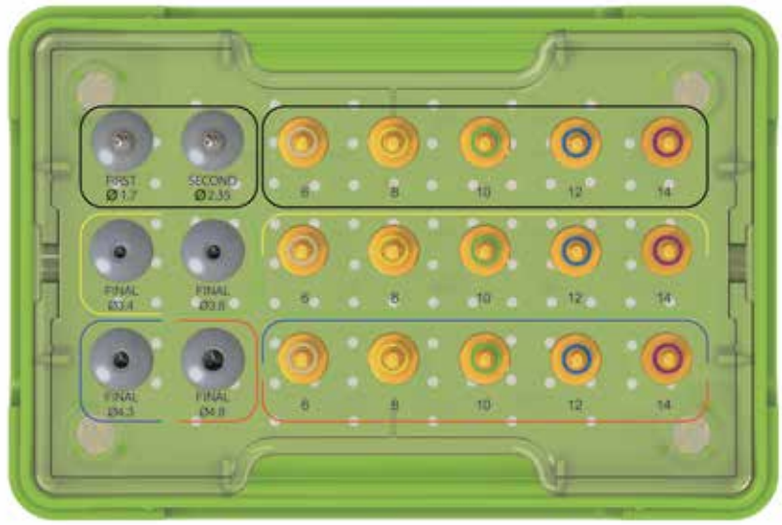


XSIK

Kit Contents

- First guide drill — XLD **22** 07
- Second guide drill — XLD **26** 07
- Final drill — XFC **36** 07
- XFC **40** 07
- XFC **45** 07
- XFC **50** 07
- XFC **60** 07
- XFC **70** 07
- Parallel pin × 2 — XPP 162212
- Hand-piece adapter — XID **27** H
- Ratchet adapter — XID **26** W
- MF path pin x2 — XMFPA2
- Hex driver — XHD **26** T
- XHD **25** H
- Ratchet — XRCA1

Drill Stopper Kit



XDS

Kit Contents

- Guide drill stopper / First, Second

XLD **22** 35

XLD **26** 35

- Stopper-first guide drill, second guide drill

- Final drill stopper / 34, 38

XFD **34** 35

XFD **38** 35

- Stopper- final drill / 34, 38

- Final drill stopper / 43, 48

XFD **43** 35

XFD **48** 35

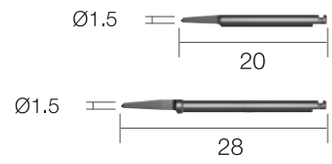
- Stopper- final drill / 43, 48

Drill

Unit: mm, Scale 1 : 1 / mm

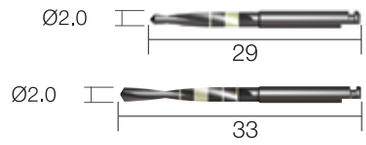
Guide Drill

Diameter	L	Art. No.
Ø**1.5**	**20**	XGD 15 **20**
Ø**1.5**	**28**	XGD 15 **28**



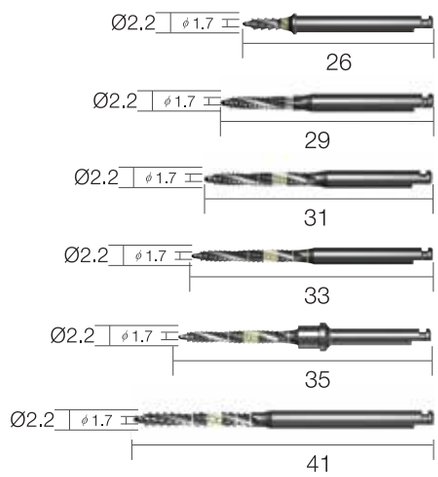
First Drill

Diameter	L	Art. No.
Ø**2.0**	**29**	XFD 20 **29**
Ø**2.0**	**33**	XFD 20 **33**



First Guide Drill

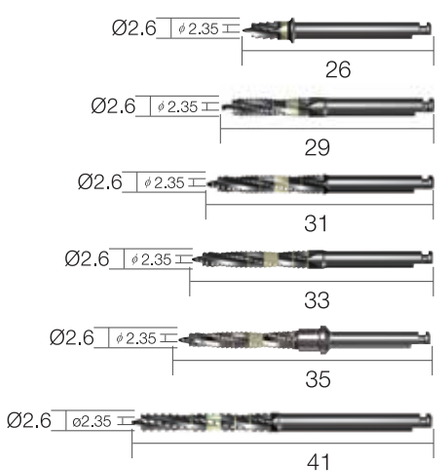
Diameter	L	Art. No.
Ø**2.2**	**26**	XLD 22 **07**
Ø**2.2**	**29**	XLD 22 **29**
Ø**2.2**	**31**	XLD 22 **31**
Ø**2.2**	**33**	XLD 22 **33**
Ø**2.2**	**35**	XLD 22 **35**
Ø**2.2**	**41**	XLD 22 **41**



Stopper

Second Guide Drill

Diameter	L	Art. No.
Ø**2.6**	**26**	XLD 26 **07**
Ø**2.6**	**29**	XLD 26 **29**
Ø**2.6**	**31**	XLD 26 **31**
Ø**2.6**	**33**	XLD 26 **33**
Ø**2.6**	**35**	XLD 26 **35**
Ø**2.6**	**41**	XLD 26 **41**



Stopper

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

Drill

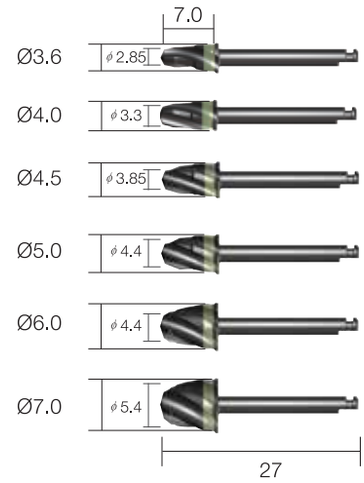
Unit: mm, Scale 1 : 1 / mm

Pilot Drill

Diameter	L	Art. No.
Ø**3.0**	**30**	XPD 20 **30**

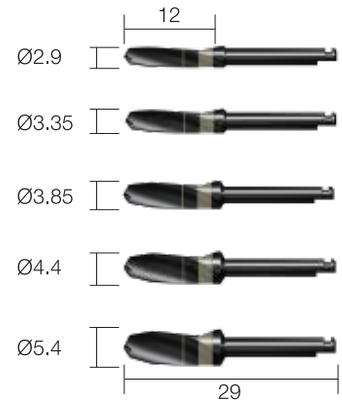
Final Drill | For Short Implant

Diameter	L	Art. No.
Ø**3.6**	**27**	XFC **36** 07
Ø**4.0**	**27**	XFC **40** 07
Ø**4.5**	**27**	XFC **45** 07
Ø**5.0**	**27**	XFC **50** 07
Ø**6.0**	**27**	XFC **60** 07
Ø**7.0**	**27**	XFC **70** 07



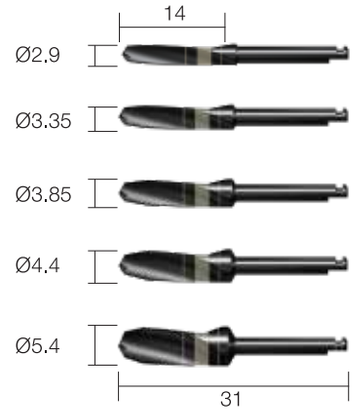
Final Drill | Length-29mm

Diameter	L	Art. No.
Ø**2.9**	**29**	XFD **34** 29
Ø**3.35**	**29**	XFD **38** 29
Ø**3.85**	**29**	XFD **43** 29
Ø**4.4**	**29**	XFD **48** 29
Ø**5.4**	**29**	XFD **58** 29SW



Final Drill | Length-31mm

Diameter	L	Art. No.
Ø**2.9**	**31**	XFD **34** 31
Ø**3.35**	**31**	XFD **38** 31
Ø**3.85**	**31**	XFD **43** 31
Ø**4.4**	**31**	XFD **48** 31
Ø**5.4**	**31**	XFD **58** 31



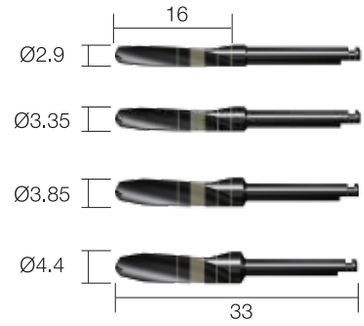
※Note: Drill speed 1,000rpm, 30~45N·cm with irrigation.

Drill

Unit: mm, Scale 1 : 1 / mm

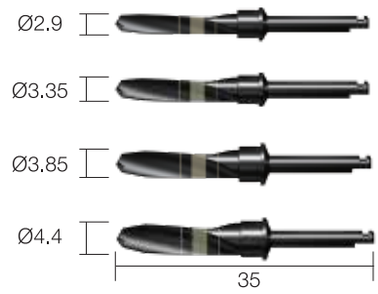
Final Drill | Length-33mm

Diameter	L	Art. No.
Ø**2.9**	**33**	XFD **34** 33
Ø**3.35**	**33**	XFD **38** 33
Ø**3.85**	**33**	XFD **43** 33
Ø**4.4**	**33**	XFD **48** 33



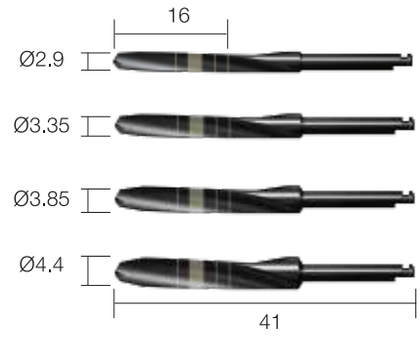
Final Drill | Length-35mm| Stopper

Diameter	L	Art. No.
Ø**2.9**	**35**	XFD **34** 35
Ø**3.35**	**35**	XFD **38** 35
Ø**3.85**	**35**	XFD **43** 35
Ø**4.4**	**35**	XFD **48** 35



Final Drill | Length-41mm

Diameter	L	Art. No.
Ø**2.9**	**41**	XFD **34** 41
Ø**3.35**	**41**	XFD **38** 41
Ø**3.85**	**41**	XFD **43** 41
Ø**4.4**	**41**	XFD **48** 41



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

Drill

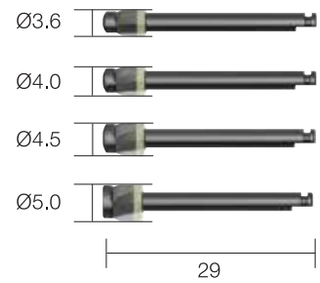
Unit: mm, Scale 1 : 1 / mm

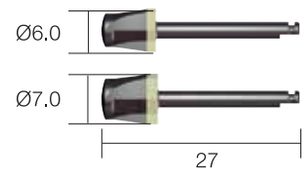
Harvest Drill | Length-35mm | Stopper

Diameter	L	Art. No.
Ø**2.85**	**35**	XFH **34** 35
Ø**3.3**	**35**	XFH **38** 35
Ø**3.85**	**35**	XFH **43** 35
Ø**4.4**	**35**	XFH **48** 35

Countersink

Diameter	L	Art. No.
Ø**3.6**	**29**	XCS **36** 29 SW
Ø**4.0**	**29**	XCS **40** 29 SW
Ø**4.5**	**29**	XCS **45** 29 SW
Ø**5.0**	**29**	XCS **50** 29 SW
Ø**6.0**	**27**	XCS **60** 29 SW
Ø**7.0**	**27**	XCS **70** 29 SW





Round Bur

Diameter	L	Art. No.
Ø**2.0**	**33**	XRB **20** 33
Ø**3.0**	**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

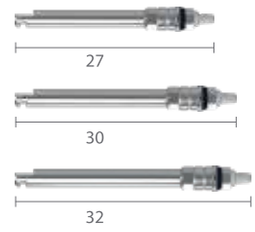
Unit: mm Scale 1:1

Fixture Adapter | Hex 2.5mm

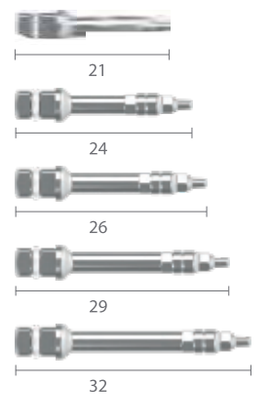
Type	Length	Art. No.
Handpiece	27	XFA 27 H
	30	XFA 30 H
	32	XFA 32 H
Ratchet	21	XFA 21 W
	24	XFA 24 W
	26	XFA 26 W
	29	XFA 29 W
	32	XFA 32 W

- Use the handpiece adapter to transfer the implant fixture.
- **NOTE**: Ratchet Adapters are intended for final adjustments of the fixtures after placement of the fixture by the handpiece adapter. Ratchet adapters are not intended for transferring the fixture to or from the osteotomy site.
- To reduce the risk of accidental swallowing or aspiration, use with caution when transferring fixtures and its related restorative components

Handpiece Adapter

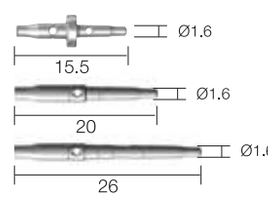


Ratchet Adapter



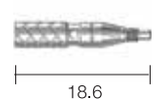
Parallel Pin | For first guide drill, second guide drill

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



Path Pin

L	Art. No.
18.6	XMFPA2

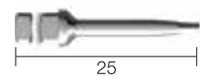


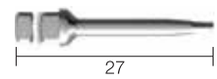
Instrument

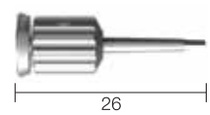
Unit: mm, Scale 1 : 1 / mm

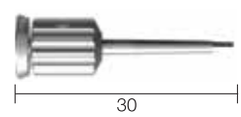
Hex Driver | Hex 1.28mm

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







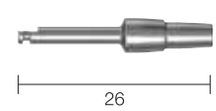


Slot Driver

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

Drill Extension

XDE



Driver | Manual

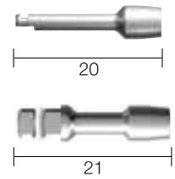
Type	Art. No.
Manual	XHDHT

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

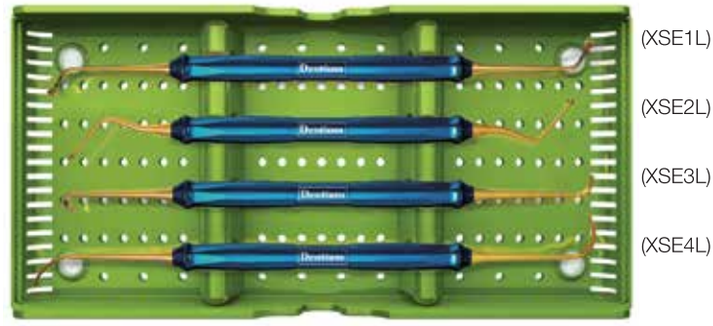
SDK

Kit Contents

- DASK drill

- Stopper

Sinus Kit



(XSE1L)

(XSE2L)

(XSE3L)

(XSE4L)

XSKL

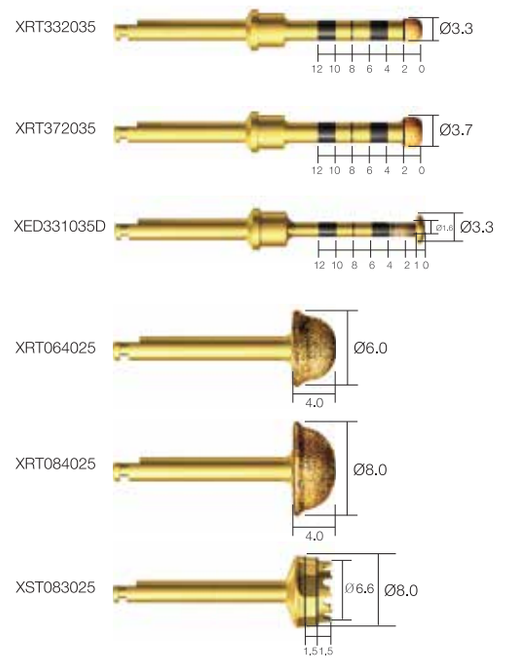
DASK / Sinus Bur Kit / Sinus Kit

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

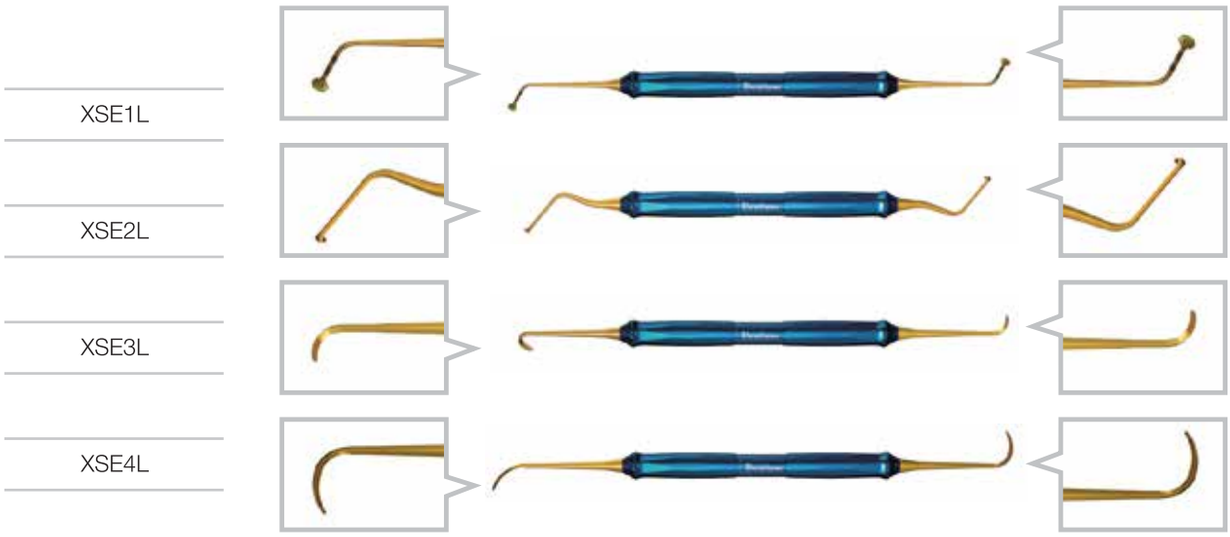
※Note: Drill speed 800 to 1,200rpm, 30~45N·cm with irrigation.



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

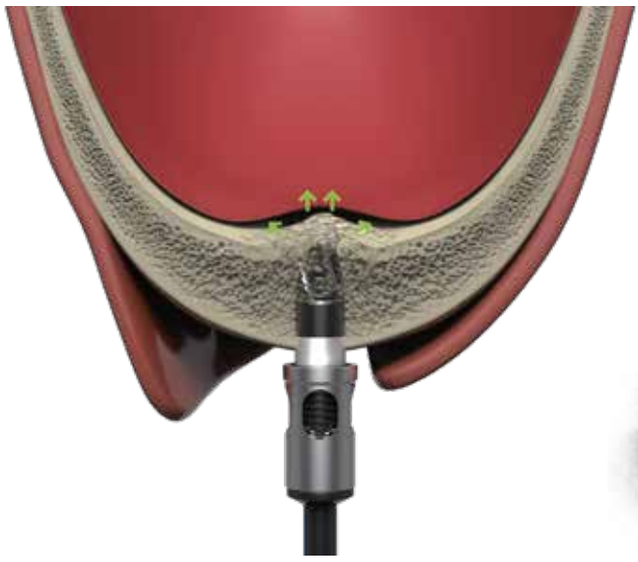


DASK Simple

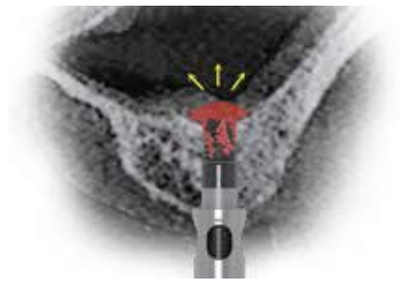
Crestal approach

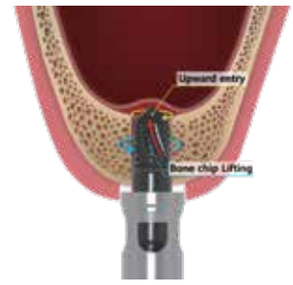
Bone chip lifting & Compaction

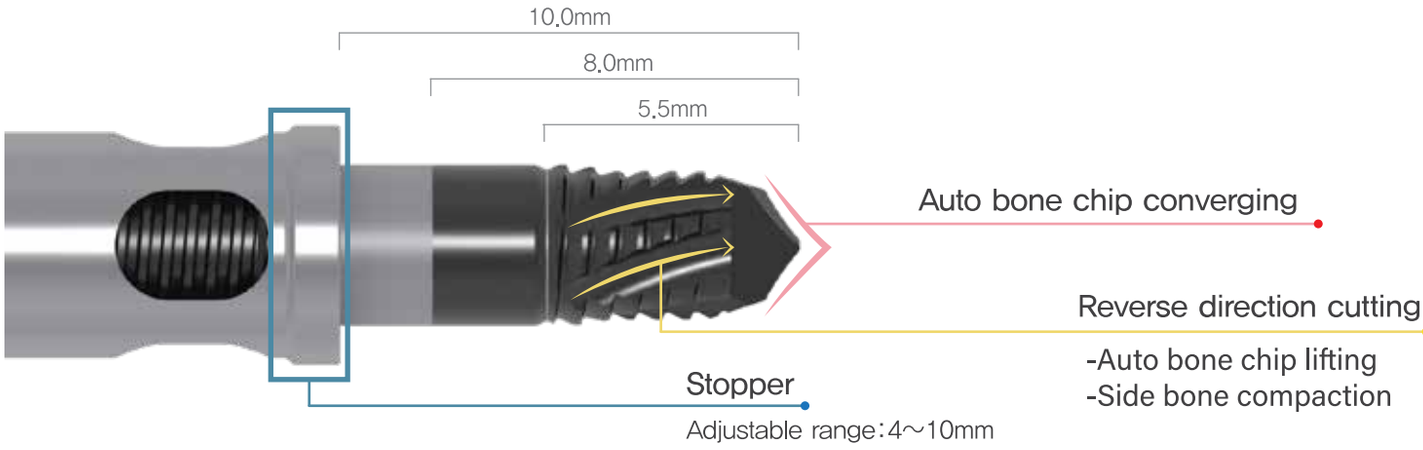
Safe, easy and efficient surgery possible without perforation



50rpm 70N.cm
Non irrigation

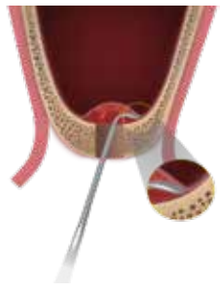




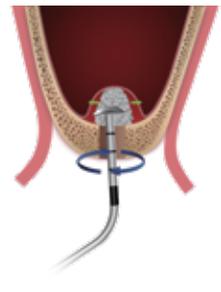


Sinus Lifting

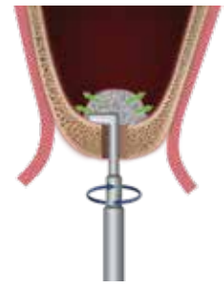
Sinus Lifting



Round Instrument



Bone Spreader



DETAILED SPECIFICATION

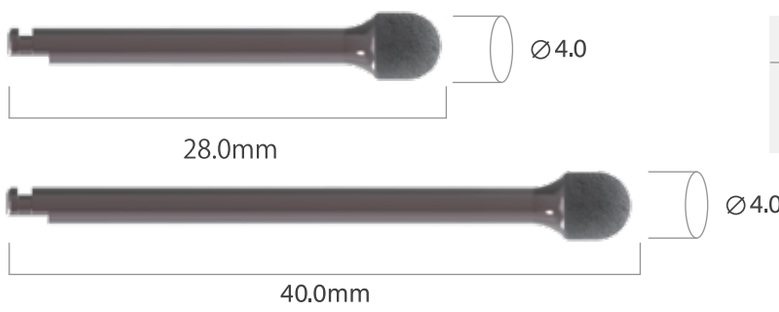
Crestal Drill

※Recommended usage frequency 50 times

Diameter	L	Art. No
∅ 3.0	35.0mm	SRT3035AS
∅ 3.5	35.0mm	SRT3535AS

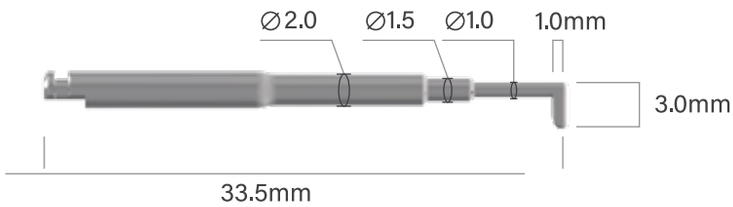
Lateral Drill

※Recommended usage frequency 40 times



Diameter	L	Art. No
∅ 4.0	28.0mm	SLD0428
∅ 4.0	40.0mm	SLD0440

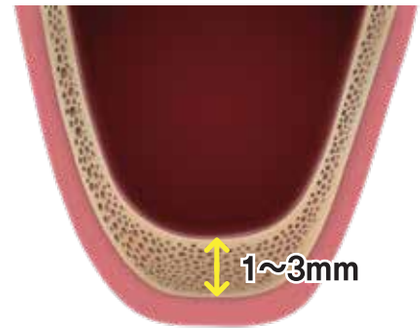
Bone Spreader



Diameter	L	Art. No
∅ 5.0	33.5mm	SSP33

DASK Simple

Lateral approach

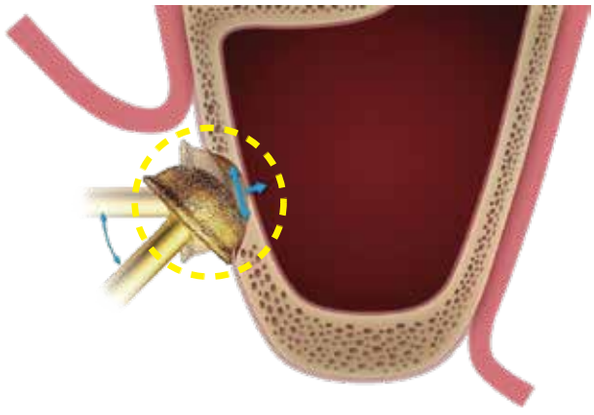


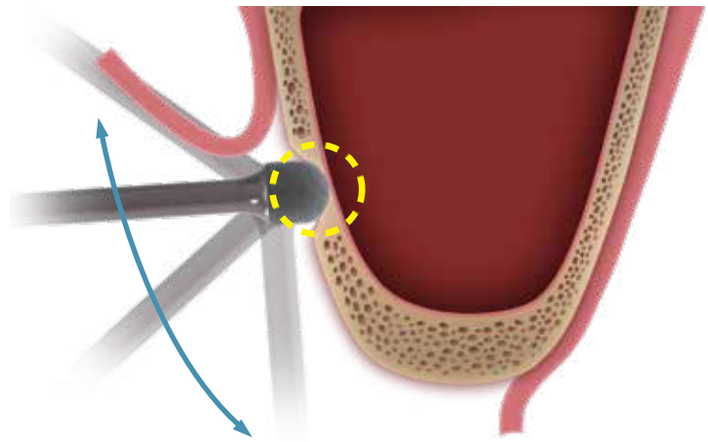
✓ Improvement in the user-friendliness and easy-operation

Lateral Drill with the ability to freely shape t he Sinus Lateral from various angles

✓ Easy access for both vertical and lateral approach

1,000rpm 30~45N.cm with irrigation

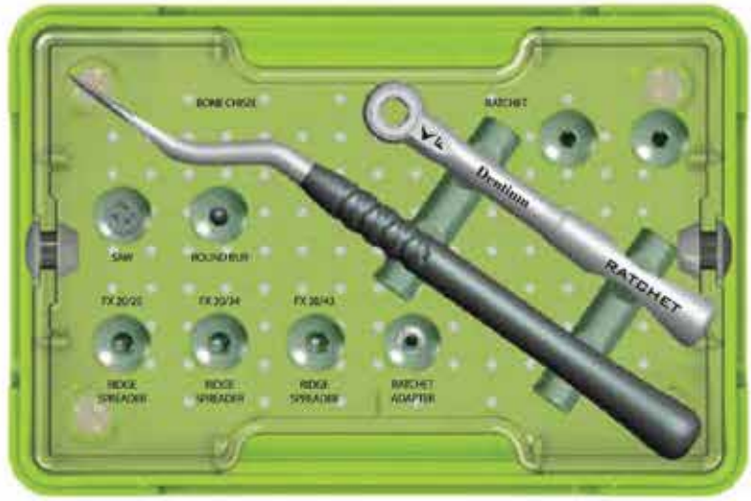




DASK
∅6.0~8.0

DASK simple
∅4.0

Ridge Spreader Kit



XRSK

Bone Chisel

XBC305013

Ratchet

XRCA1

[Unit: mm, Scale 0.6 : 1]

Ridge Spreader Drills

Diameter	L	Art No.
Ø1.4 / Ø2.4	35	RS142435
Ø2.0 / Ø3.2	35	RS203235
Ø2.6 / Ø3.6	35	RS263635

Round Bur

Diameter	L	Art No.
Ø4.0	35	XRB4035

Ratchet Adapter

XRA3917

Mini Saw

Diameter	L	Art No.
Ø8.0	25	XDS8025

[Unit: mm, Scale 1 : 1]

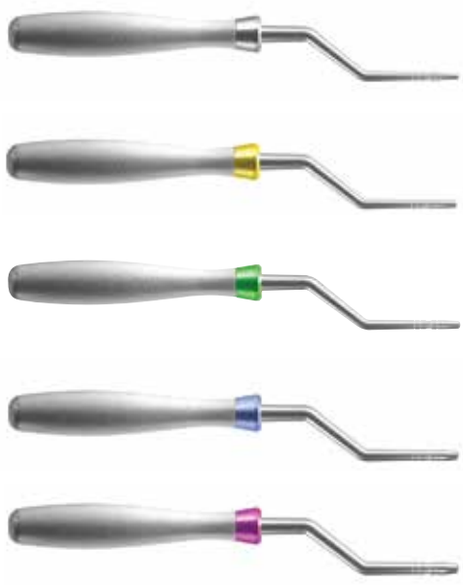
Osteotome Kit

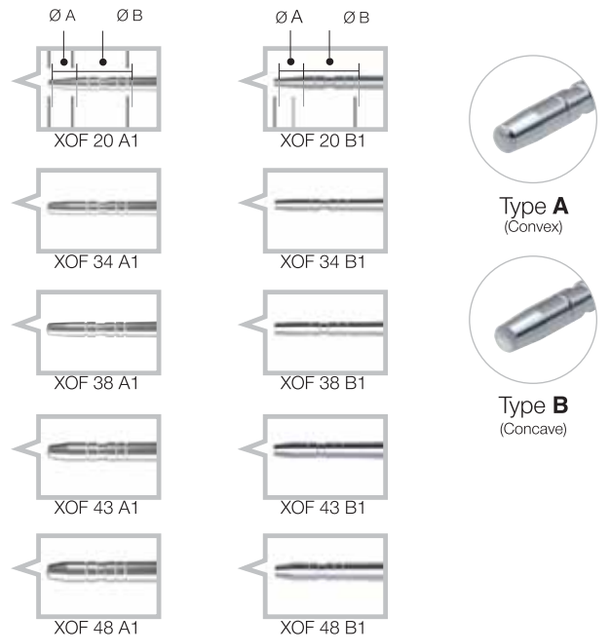
Unit: mm

Osteotome Kit

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

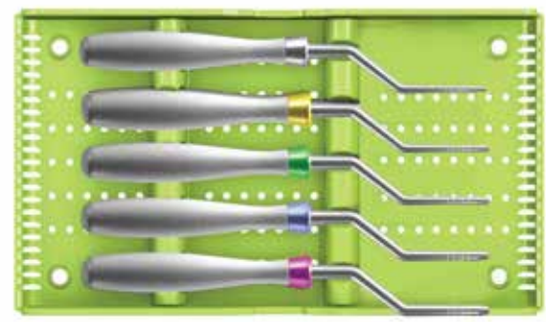
Osteotome | Final drill type | Scale 1 : 0.4 / mm





Osteotome Kit

Type	Art.No.	Ø A	Ø B
XOFK Type **A** (Convex)	XOF 20 **A**1	Ø 1.7	Ø 2.8
	XOF 34 **A**1	Ø 2.3	Ø 2.8
	XOF 38 **A**1	Ø 2.7	Ø 3.2
	XOF 43 **A**1	Ø 2.8	Ø 3.8
	XOF 48 **A**1	Ø 3.0	Ø 4.3
XOFBK Type **B** (Concave)	XOF 20 **B**1	Ø 1.7	Ø 2.8
	XOF 34 **B**1	Ø 2.3	Ø 2.8
	XOF 38 **B**1	Ø 2.7	Ø 3.2
	XOF 43 **B**1	Ø 2.8	Ø 3.8
	XOF 48 **B**1	Ø 3.0	Ø 4.3



XOFK (Type A)

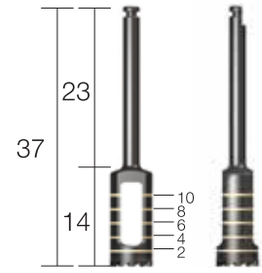
XOFBK (Type B)

Trephine Kit

Unit: mm

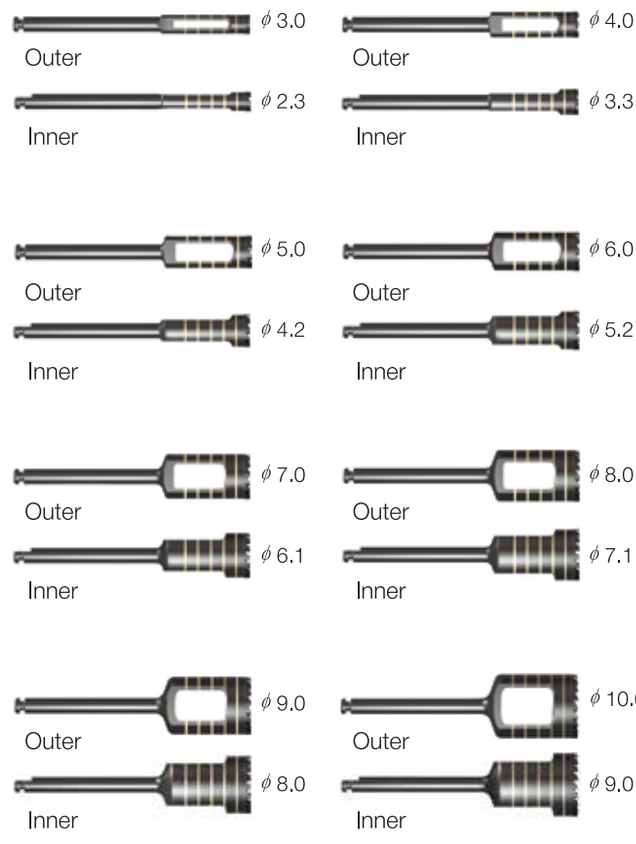
Trephine Bur

- 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



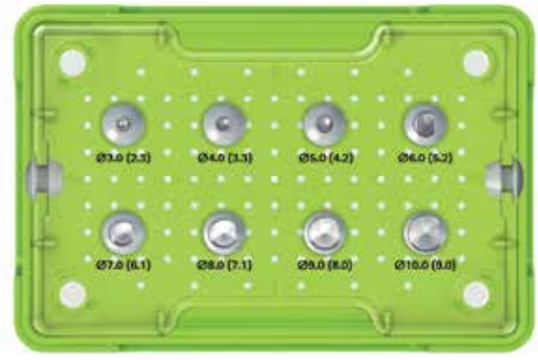
Trephine Bur | Scale 1 : 0.5 / mm

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

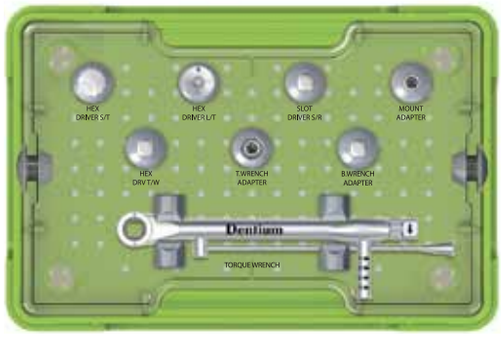


Trephine Kit

XIT



Prosthetic Kit



XIP

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

XHD **15**

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

XHD **30** T

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

XPK

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

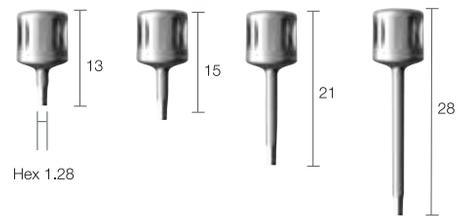
Diameter	G/H	Art.No.
Ø4.5	**2.0**	PAAB 25 45 **20**
Ø4.5	**4.0**	PAAB 25 45 **40**
Ø5.5	**2.0**	PAAB 25 55 **20**
Ø5.5	**4.0**	PAAB 25 55 **40**

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 **B**L
Single	SRG **S**L

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

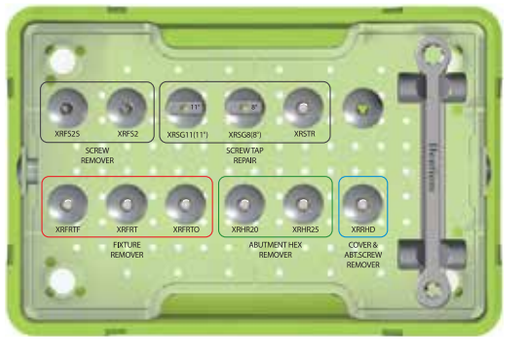
CRM

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

SRM

Help Kit

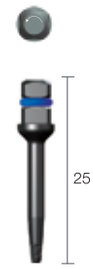
Unit: mm



XIH

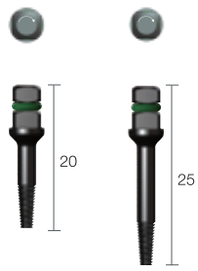
Cover & Abutment Screw Remover | Scale 1 : 1 / mm

L	Art. No
25	XRRHD



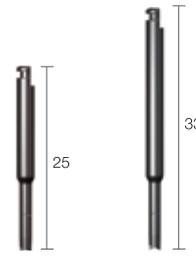
Abutment Hex Remover | Scale 1 : 1 / mm

L	Art. No
20	XRHR**20**
25	XRHR**25**



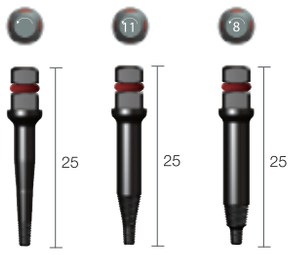
Screw Remover | Scale 1 : 1 / mm

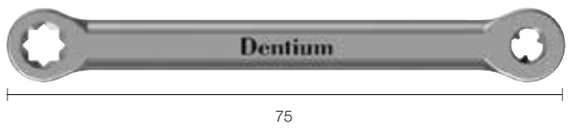
L	Art. No
25	XRFS**2S**
33	XRFS**2**



Fixture Remover | Scale 1 : 1 / mm

Type	Art. No
Remover	XRFRT
	XRFRTF
	XRFRTO
Wrench	XRFRW

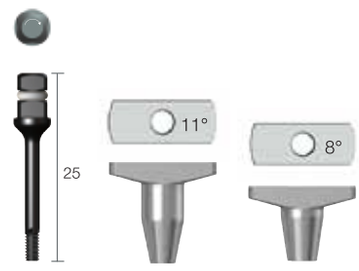




75

Screw Tap Repair | Scale 1 : 1 / mm

Type	Art. No
Tap	XRSTR
11° Guide	XRSG**11**
8° Guide	XRSG**8**



SURGICAL MANUAL

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Installation Procedure & Warnings	81
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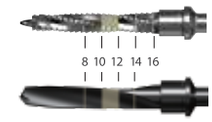
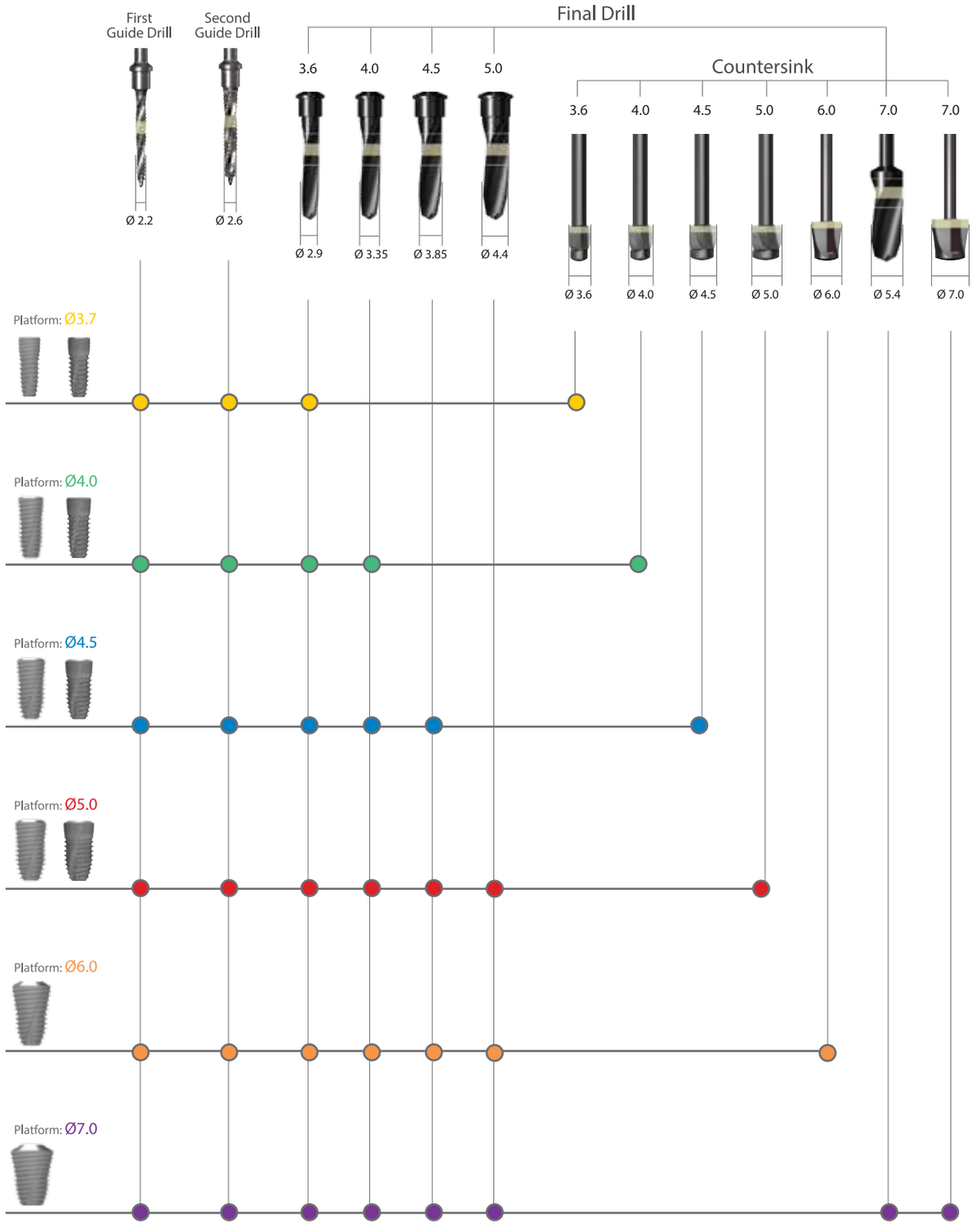
Surgical Drill Sequence I



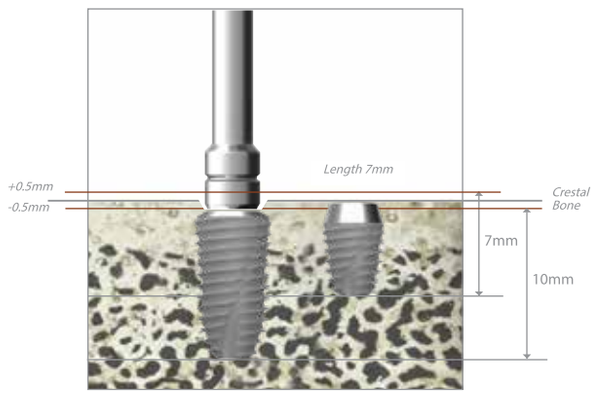
Drilling Sequence Guide (Final Drill)



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



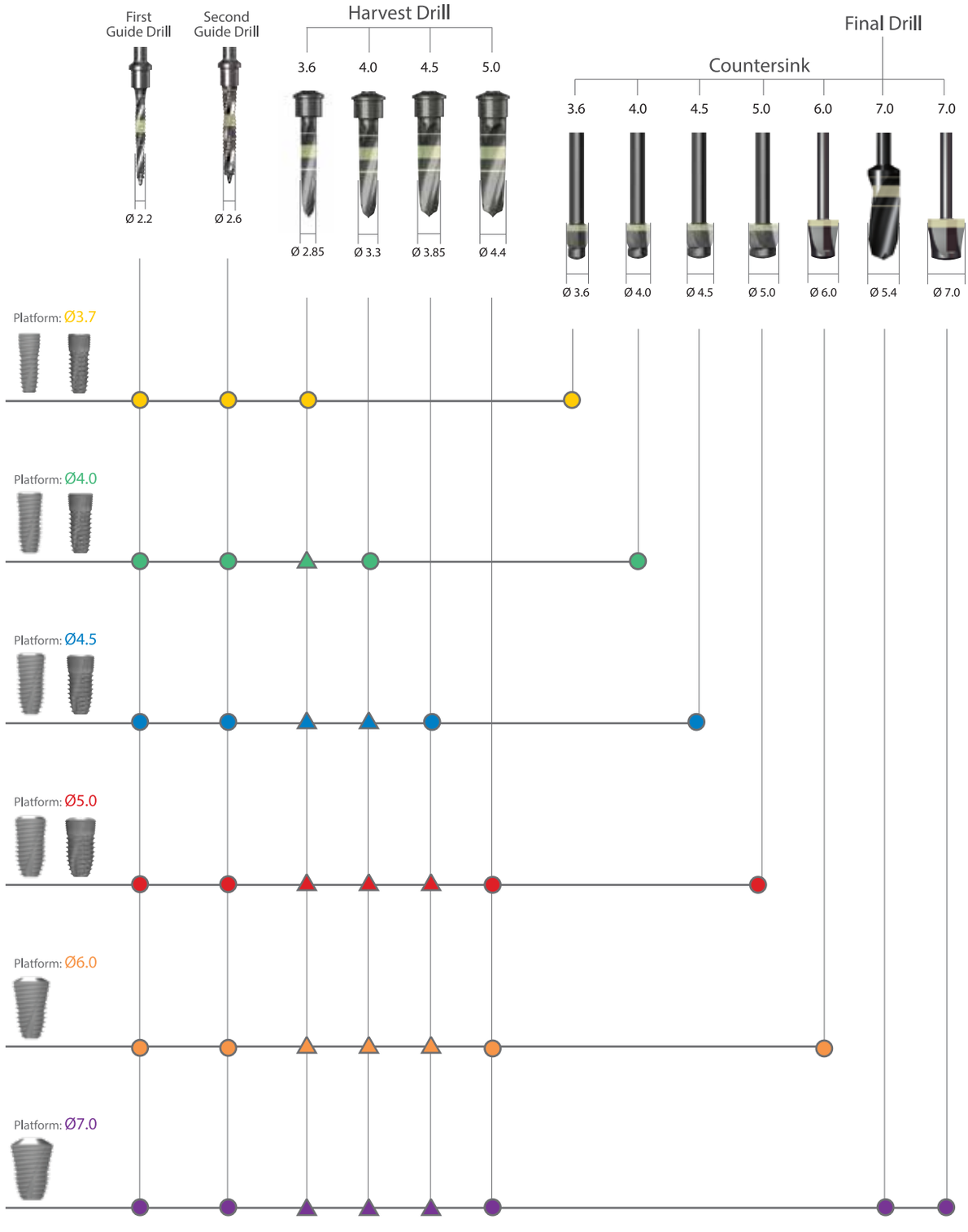
Top level of fixture needs to be located 0.5mm below the marginal crestal bone level to minimize bone loss after implantation. However, only for the fixture of 7mm length, top level of fixture should be located 0.5mm above the marginal crestal bone level.

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)

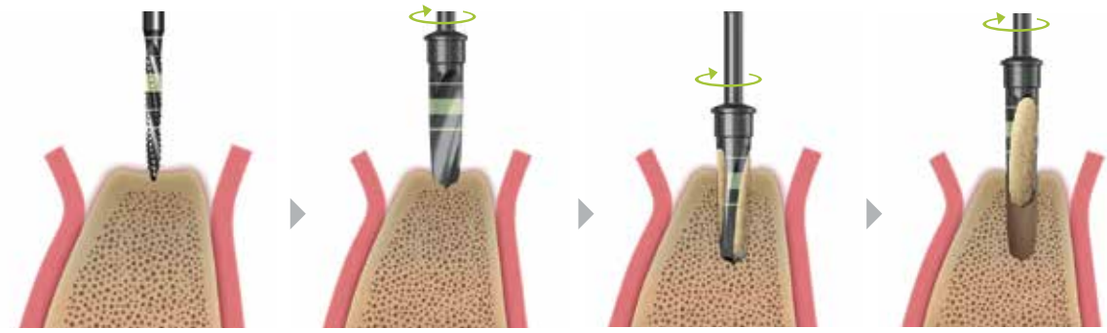


△ : During the 4.3/4.8 fixture insertion into the bone density of D3~D4, the 3.4/3.8 harvest drilling process can be skipped.

Harvest Drill

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

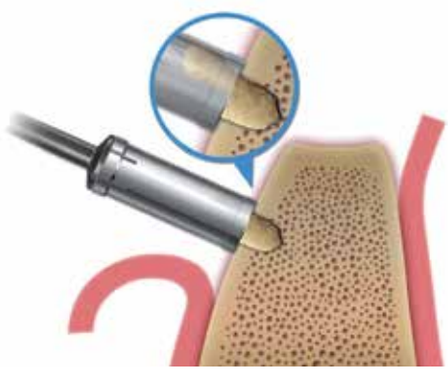
- Sharp pointed tip design of the drill prevents drill chatter and helps guide drill path.
- Available drill stopper helps control drill depth for safe and efficient bone collection, especially in the buccal side of ridge.
- Recommended drill speed of less than 100rpm/50N·cm helps preserve the vital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



First / Second guide drill
1000rpm / 30~45N·m with irrigation

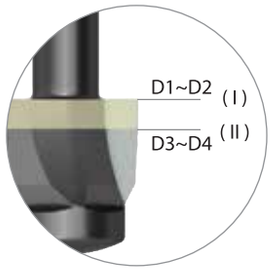
Harvest drill
30~100rpm / 30~50N·m without irrigation

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



Stopper
Locking with drill stopper for bone collection

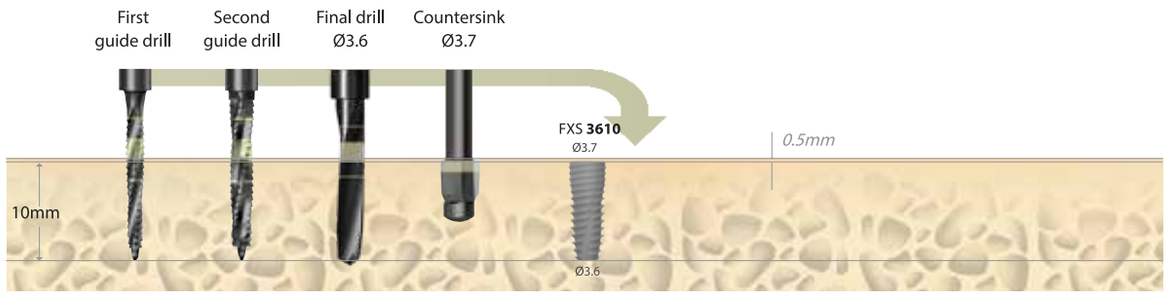
Drilling Depth Guide



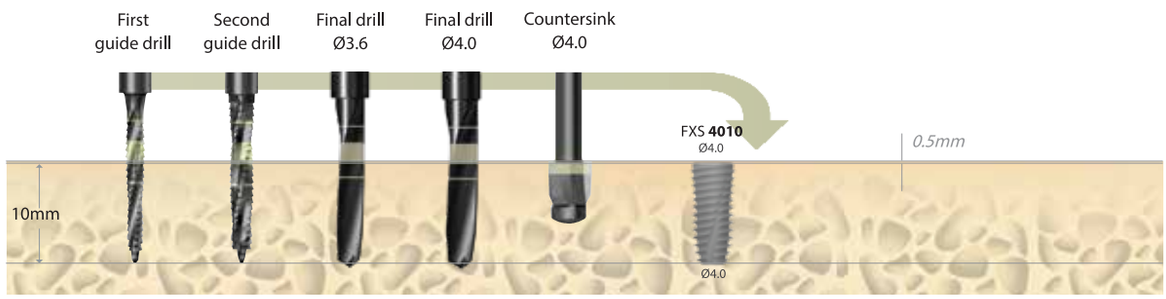
Countersink Depth Guide

- 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.

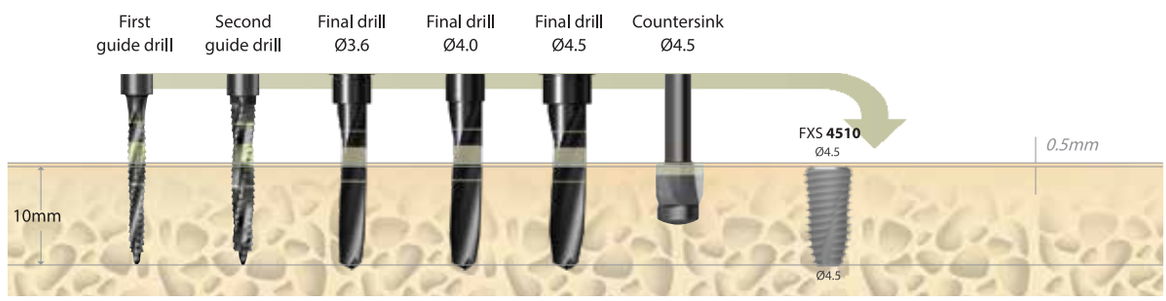
Platform: Ø3.6 / Body: Ø3.4 **(1000rpm / 30~45N·cm)**



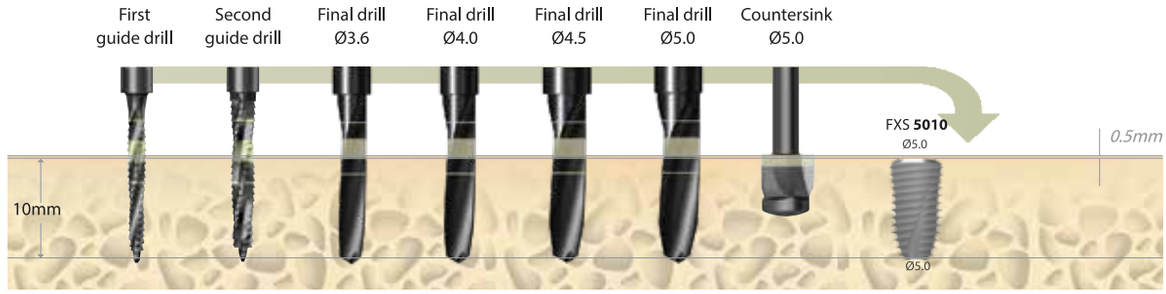
Platform: Ø4.0 / Body: Ø3.8 **(1000rpm / 30~45N·cm)**



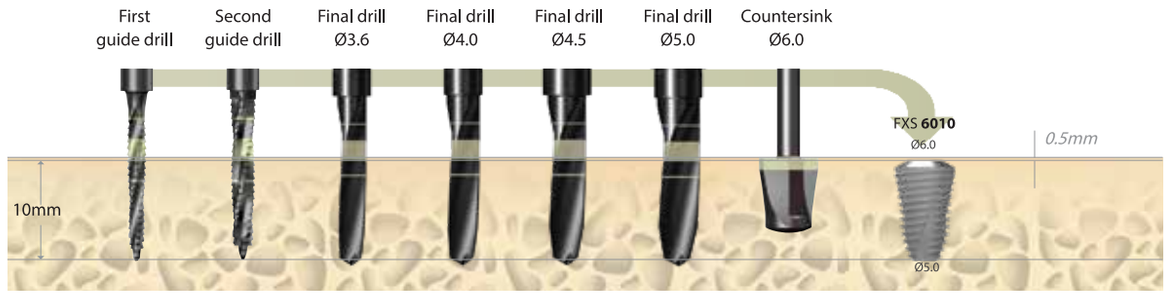
Platform: Ø4.5 / Body: Ø4.3 **(1000rpm / 30~45N·cm)**



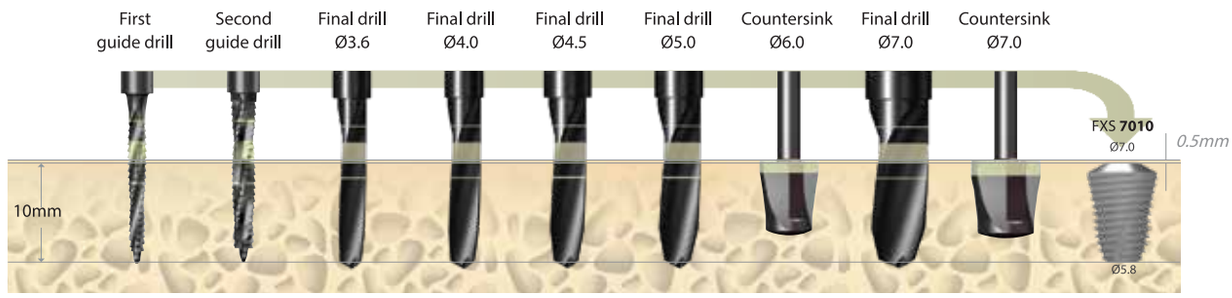
Platform: Ø5.0 / Body: Ø4.8 **(1000rpm / 30~45N·cm)**



Platform: Ø6.0 / Body: Ø4.8 **(1000rpm / 30~45N·cm)**



Platform: Ø7.0 / Body: Ø5.8 **(1000rpm / 30~45N·cm)**



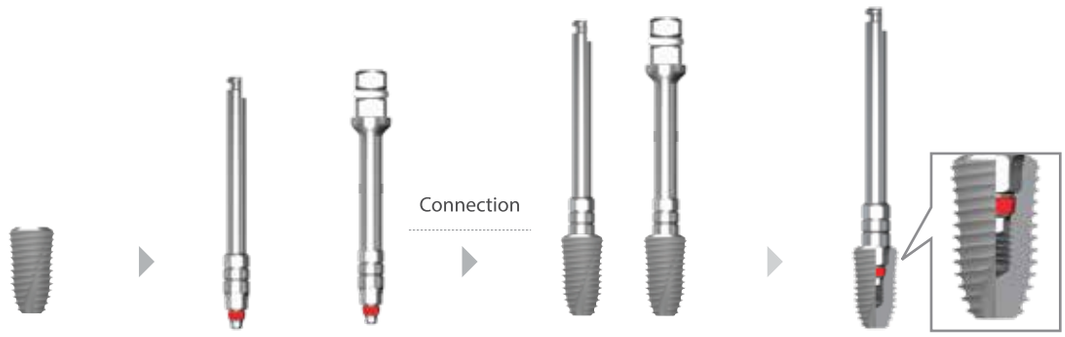
Fixture Connection

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



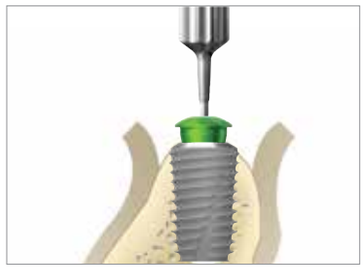
Hand-piece Adapter

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 osseointergration 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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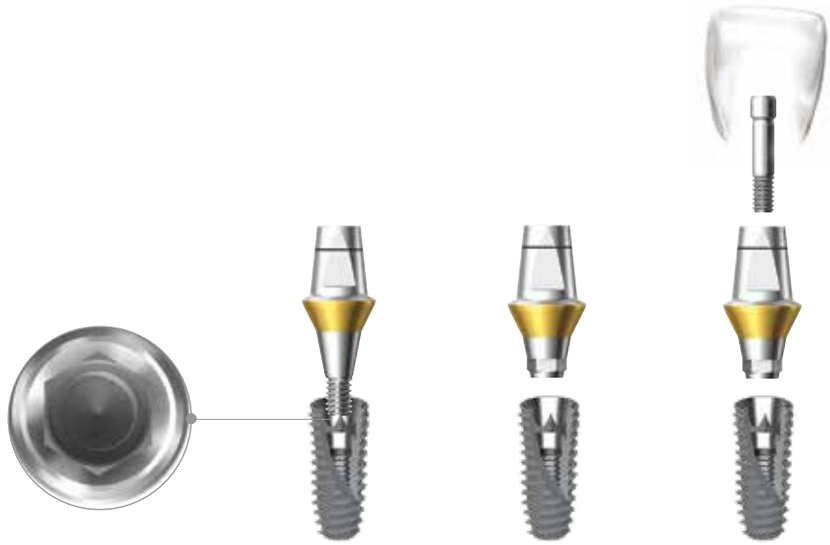
Understanding the Implant and Prosthesis



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

Abutment level

- Dual Abutment
- Dual Milling Abutment
- Angled Abutment (15°/25°)
- Metal-Casting Abutment
- Temporary Abutment (Plastic & Titanium)

Fixture level

- Screw Abutment
- Angled Screw Abutment (15°/ 30°)

Screw retained (Abutment level)

- Positioner Attachment
- Ball Attachment
- Magnetic Attachment

For denture use

Types of Abutment

- Straight abutments are Dual and Combi Abutment.
- Depending on the insertion angle and position of the fixture, the Angled or / 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

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.

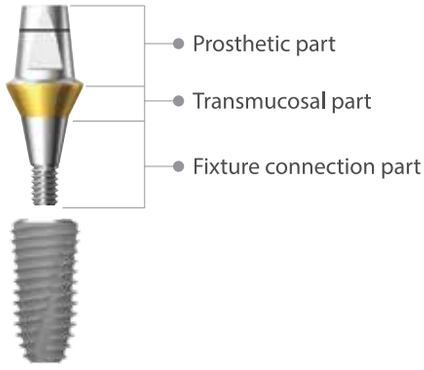
Hex / Non-hex

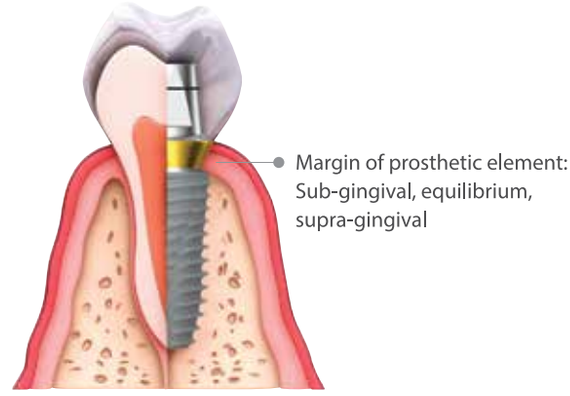
	Hex	Non-hex
Positioning Jig	Unnecessary	Required
Radiograph	Required	Unnecessary

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)

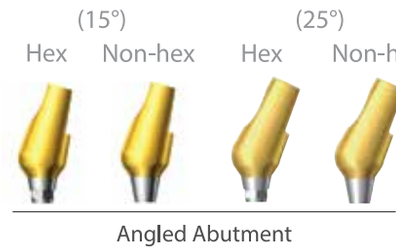
* If the Combi Abutment is too long it can be adjusted 1.5mm to the bottom of the laser mark on the vertical stack of the abutment. The Combi Abutment has a short analog for the 1.5mm adjustment.
* A resin jig can be made to record the reduction if reduced more the 1.5mm.

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 / Metal-Casting Abutment

Dual Milling Abutment



Angled Abutment

Temporary 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.

Dual Milling / Angled / Temporary / / 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

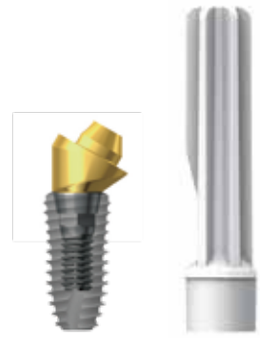
• Temporary Abutments are available with titanium or plastic.
• The titanium abutment comes in both hex and non-hex with a gingival height of 1.0mm.
• The plastic abutment comes in diameters (Ø4.5, 5.5, 6.5) with a gingival height of 2.0mm.

Fixture Level Abutment (Hex / Non-hex)

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

Screw Abutment

Screw Abutment



Angled 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 30º and this permits up to 60º 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

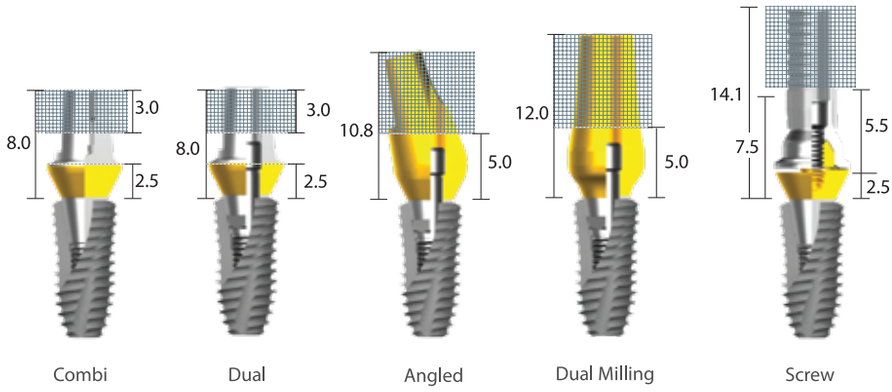
According to the case the impression can be taken at abutment or fixture level.

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. Metal-Casting Abutment	4. Angled Screw Abutment (15° / 30°)
5. 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
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 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

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

Abutment Level Impression

Closed Tray Technique

Combi Abutment

Ø4.5 / Ø5.5 / Ø6.5

Dual Abutment

Hex / Non-hex Ø4.5 / Ø5.5 / Ø6.5

Impression Coping

Transfer (Snap on) Ø4.5 / Ø5.5 / Ø6.5

Analog

Long Ø4.5 / Ø5.5 / Ø6.5

Analog

Short Ø4.5 / Ø5.5 / Ø6.5

Burn-out Cylinder

Bridge

Rotational

Ø4.5 / Ø5.5 / Ø6.5

Single

Non-rotational

Ø4.5 / Ø5.5 / Ø6.5

Modification

Cemented Restoration

Abutment Level- Dual Abutment

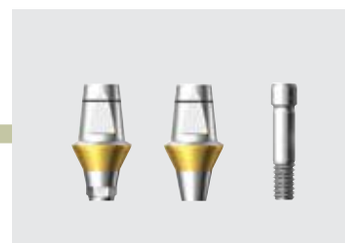
[Multiple Units]

Clinical Procedure

Cover Screw	Healing Abutment	Dual Abutment	Comfort Cap	Temporary Restoration or Comfort Cap	Abutment Level Impression

Chairside

Remove the Healing Abutment after formation of soft tissue.



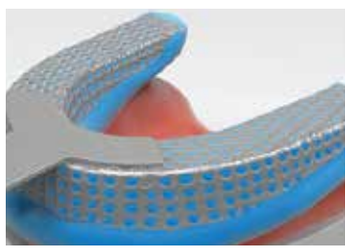
Dual Abutment (Hex / Non-hex)

Select the Dual Abutment by diameter and gingival height.

Retighten after 15 minutes
Tighten it to 25~30N·cm.

Seat the plastic cap over the abutment.

Injection of impression material



Impression taking

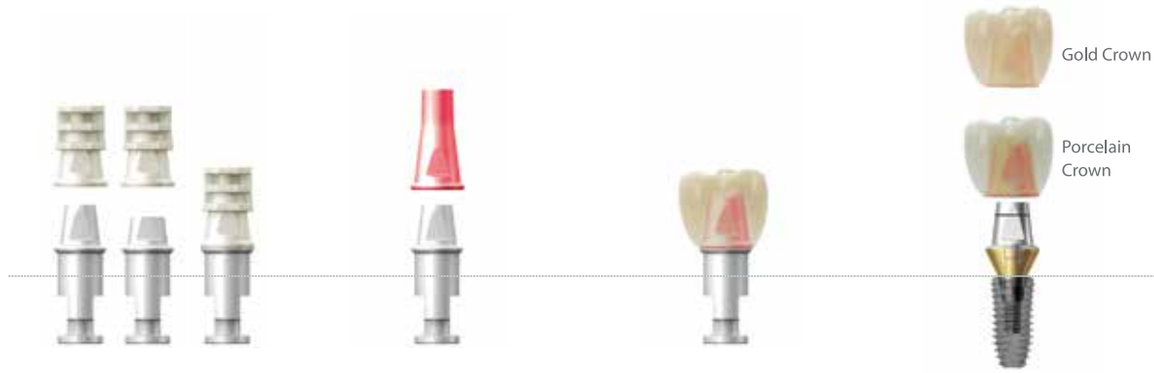
Cap comes off into the impression

Fabrication of provisional restoration or insertion of comfort cap

Abutment Level- Dual Abutment

[Multiple Units]

Laboratory Procedure



Lab Analog Connection	Cylinder	Crown Wax-up	Final Restoration Cementation Type

LabSide

Insertion of Combi Abutment analog into impression

Make sure analog seats securely into the impression cap. (line up the flat side of analog to the flat side of the cap)

Soft tissue model

Fabrication of master cast

Seat burn-out cylinder securely into analog.

Consider distance of opposing teeth, Modify burn-out cylinder to its proper heigh if needed.

Fabrication of burn-out cylinder and plastic bar in preparation for wax-up

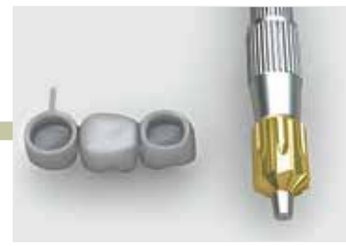
Completion of wax-up

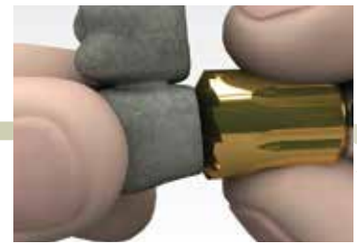
Fabrication of metal framework

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

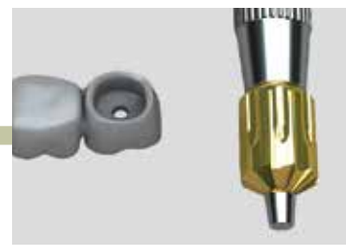
SCRP: Once an access hole has been created, it can be converted to a SCRP (Screw & Cemented Retained Prosthesis).


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)

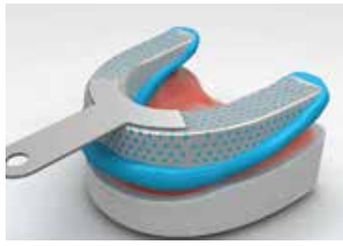
Following the 2nd stage surgery, soft tissue is healed around the Healing Abutment. Healing Abutment should be selected according to the size of abutment.

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

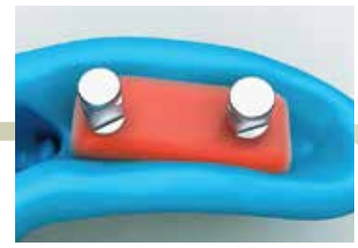
Inner-surface of impression

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]

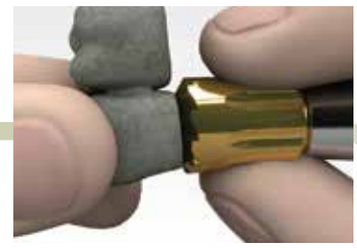
Connect the plastic bar in the middle of the trimmed burn-out cylinders to help support the resin pattern. Wax pattern may have shrinkage.

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

* 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.

Insertion of final prosthesis and occlusal adjustment

Prosthetic Procedure 2

Impression Technique and Restoration Selection

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

Fixture Level Impression

Open tray technique (Complicated case) | **Closed** tray technique (Simple case)

Impression Coping Pick-up

Hex / Non-hex

Ø4.0 / Ø4.5 / Ø5.5 / Ø6.5

Impression Coping Transfer

Hex / Non-hex

Ø4.0 / Ø4.5 / Ø5.5 / Ø6.5

Analog

Ø4.0 / Ø4.5

Dual Abutment

Hex / Non-hex

Ø4.5 / Ø5.5 / Ø6.5

Dual Milling Abutment

Hex / Non-hex

Ø4.0 / Ø4.5

Ø5.5 / Ø6.5 / Ø7.5

Angled Abutment

Hex / Non-hex

15°/ 25°

Ø4.5 / Ø5.5

Metal-Casting Abutment

Hex / Non-hex

Ø4.5

Temporary Abutment

Hex / Non-hex

Ø4.5 / Ø5.5 / Ø6.5

Modification

Cemented Restoration

Modification

Screw-Retained Restoration

Fixture Level [Pick-up Type]- Dual Abutment

[Multiple Units]

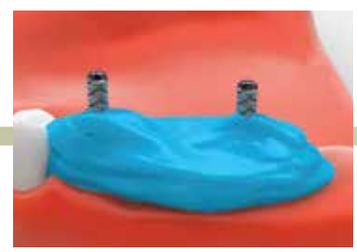
Clinical Procedure

Healing Abutment | Impression Coping Pick-up Type | Fixture Level Impression Open Tray

Chairside

Open tray impression (pick-up)

Apply adhesive on open tray.
(Individual tray)



Injecting the impression material

Impression taking

Remove the screw before removing the impression tray.

Inner surface of impression

Fixture Level [Pick-up Type]- Dual Abutment

[Multiple Units]

Laboratory Procedure

Lab Analog Connection | Height Modification of Dual Abutment | Burn-out Cylinder | Crown Wax-up | Final Restoration Cementation Type

Labside

Connect lab analog with impression coping.

Soft tissue model

Fabrication of master cast

Connect a proper abutment

After surveying abutment milling is possible if necessary.

Fabrication of positioning jig

Fabrication of the cap with pattern resin

Wax-up

Metal framework

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.

SCRP- Labside

Formation of access hole with long transfer coping screw

Wax-up

Metal framework

SCRP- 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.

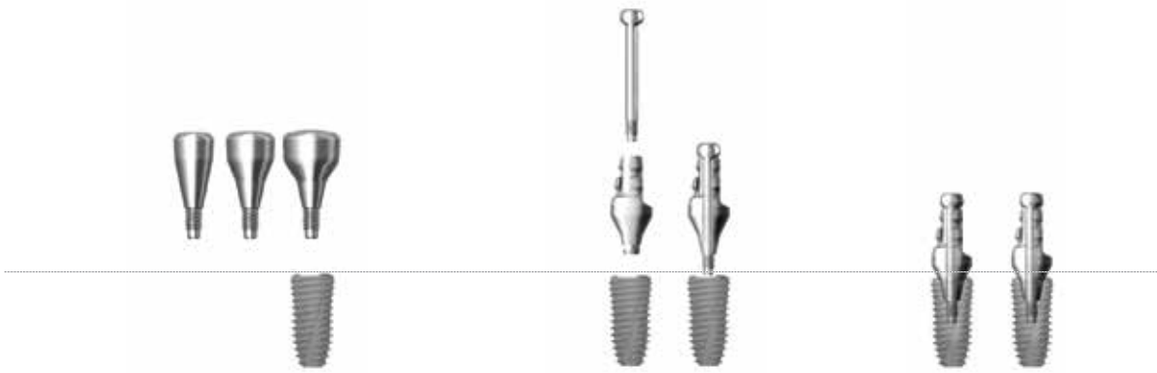
Insertion of final prosthesis and adjustment of occlusion

* 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



Healing Abutment | Impression Coping Transfer Type | Fixture Level Impression Closed Tray

Chairside

Second stage surgery (Uncovering)

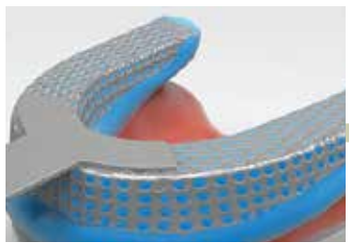
Soft tissue formed around Healing Abutment

Transfer type impression coping

Seating the impression coping which has the same diameter as Healing Abutment

Impression of fixture level (No x-ray necessary for confirmation)

Injection of impression material



Impression taking

Inner surface of the impression

Fixture Level [Transfer Type]- Dual Abutment

[Multiple Units]

Laboratory Procedure

Lab Analog Connection	Height Modification of Dual Abutment	Burn-out Cylinder	Crown Wax-up	Final Restoration Cementation

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.

SCRP- Labside

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

Completed wax-up

Metal framework

SCRP- 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

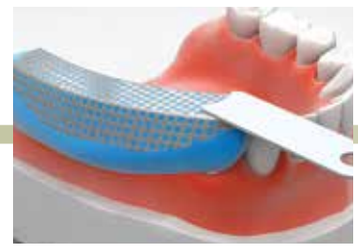
Healing Abutment | Impression Coping Transfer Type | Fixture Level Impression

Chairside

Placement of Healing Abutment

Placement of impression coping with the same diameter as Healing Abutment

Injecting of impression material



Impression taking

Impression coping formation on the inside of impression is observable. (Traces of impression coping on the inner surface of impression)

Laboratory Procedure

Lab Analog Connection | Dual Milling Abutment Connection | Modification | Crown Wax-up | Final Restoration Cementation

Fixture Level [Transfer Type]- Dual Milling Abutment

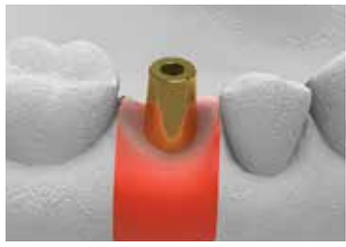
[Single Unit]

Labside

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

Soft tissue model

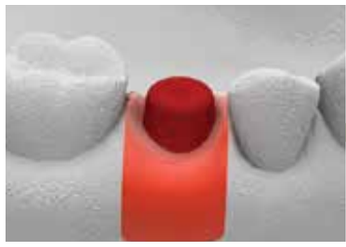
Master cast



Selection of appropriate Dual Milling Abutment

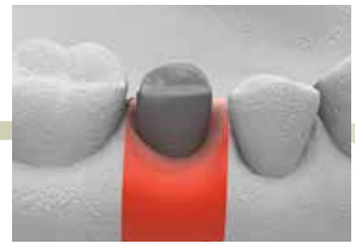
Abutment after milling process

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

Angled Abutment | Impression Coping Pick-up Type | Fixture Level Impression

Chairside

Pick-up type impression coping

Placement of pick-up impression

Injecting impression material

Impression taking
(individual tray with holes)

Unscrew, then remove the impression.

Removed impression

Laboratory Procedure

Lab Analog Connection | Angled Abutment Connection | Modification | Crown Wax-up | Final Restoration Cementation

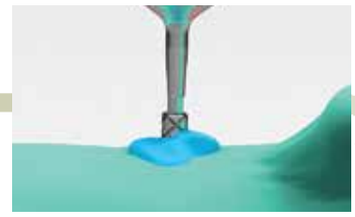
Fixture Level [Pick-up Type]- Angled Abutment

[Single Unit]

Labside

Impression coping with analog connections

Soft tissue formation and fabrication of master model



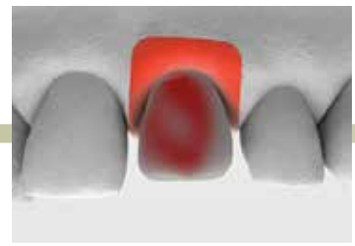
Unscrew then separate impression from the model.

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


SuperLine

Fixture Level- Metal-Casting Abutment

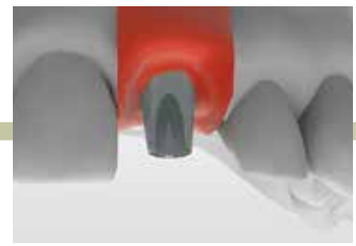
[Single Unit]

Laboratory Procedure

Lab Analog Connection | Metal-Casting Abutment Connection | Modification | Abutment Wax-up | Final Restoration Cementation

Labside

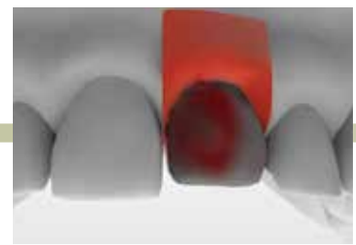
Placement of Metal-Casting Abutment



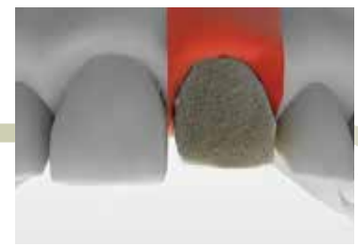
Completed custom abutment

Fabrication of positioning jig

Fabrication of pattern resin cap

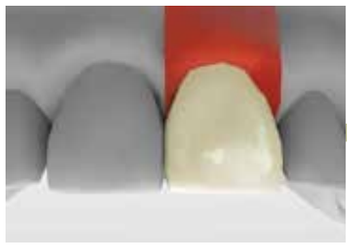


Wax-up



Metal framework

Chairside



Final prosthesis

Insertion of custom abutment using positioning jig

Insertion of final prosthesis and occlusal adjustment

Fixture Level [Pick-up Type]- Temporary Abutment

[Single Unit]

Ti-Temporary Abutment

Plastic Temporary Abutment

<Using Ti 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.

<Using Plastic Abutment>

Prosthetic Procedure 3

Impression Technique and Restoration Selection

Screw Abutment

Abutment Level Impression

Screw Abutment
Ø4.5 / Ø5.5

Angled Screw Abutment
hex / Non-hex
Ø4.5 / Ø5.5

Open Tray Technique

Impression Coping Pick-up
Bridge / Single Ø4.5 / Ø5.5

Closed Tray Technique

Impression Coping Transfer
Bridge / Single Ø4.5 / Ø5.5

Analog
Ø4.5 / Ø5.5

Burn-out Cylinder
Ø4.5 / Ø5.5

Bridge (Non-hex)

Single (Hex)

Metal Cylinder
Ø4.5 / Ø5.5

Bridge (Non-hex)

Single (Hex)

Titanium Cylinder
Ø4.5 / Ø5.5

Bridge (Non-hex)

Single (Hex)

Polishing Protector
Ø4.5 / Ø5.5

Temporary Restoration

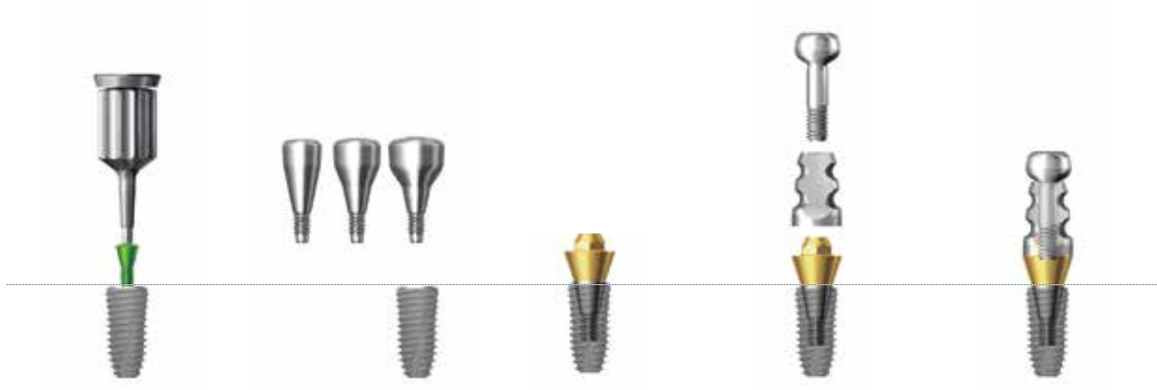
Ti-Retaining Screw

Screw-Retained Restoration

Abutment Level [Transfer Type]- Screw Abutment

[Multiple Units]

Clinical Procedure



Cover Screw	Healing Abutment	Screw Abutment	Impression Coping Transfer Type	Abutment Level Impression

Chairside

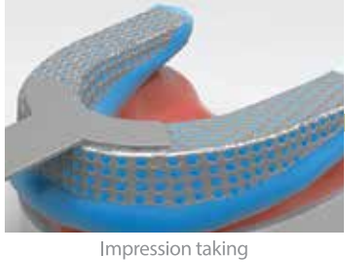
Select and seat an appropriate Screw Abutment with delivery holder.

Tighten it to 25~30N·cm. Retighten after 15 minutes with Screw Abutment adaptor.

Screw Abutment transfer copings (abutment level)

Placement of impression copings

Injecting impression material



Impression taking

Inner-surface of impression

Placement of comfort cap on Screw Abutment

Abutment Level [Transfer Type]- Screw Abutment

[Multiple Units]

Laboratory Procedure

Lab Analog Connection | Cylinder Connection | Modification | Crown Wax-up | Final Restoration Screw Retained

Labside

Connecting impression coping with Screw Abutment analog

Position impression coping and analog assembly in the exact location of the impression

Soft tissue model

Fabrication of master cast

Removal of impression coping

Connect the Screw Abutment cylinder then tighten it with ti-retaining screw.

Consider the distance with opposing teeth, then trim cylinder to its appropriate height.

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

Wax-up

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 (SCRP)

[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 loosing 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.

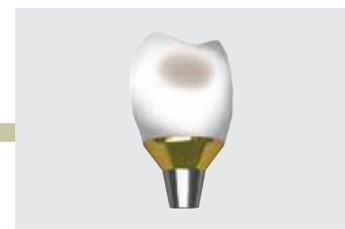
Tighten the prosthesis with 25~30N·cm with a screw driver.

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.

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

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

Prosthetic Procedure 4

Impression Technique and Restoration Type

Overdenture Procedure

Positioner / Mini Ball / Magnetic Attachment

Positioner

Ø3.5

Mini Ball Abutment

Ø3.5

Implant Keeper

Ø4.5 / Ø5.5

Abutment Level Impression

Positioner Impression Coping

Mini Ball Impression Coping

Positioner Analog

Mini Ball Analog

Positioner Block Out Spacer

Socket Spacer

Positioner Metal Socket / Plastic Socket

Mini Denture Socket and O-ring

Magnetic Assay

Positioner Attachment for Overdenture

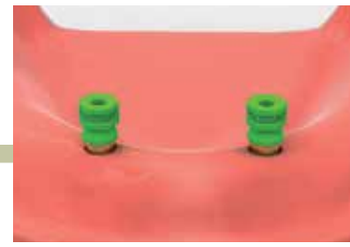
Mini Ball and Socket Attachment for Overdenture

Magnetic Attachment for Overdenture

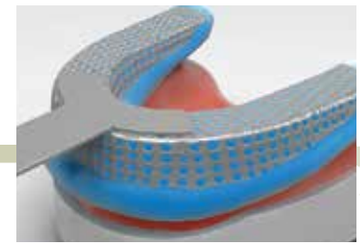
Positioner

Chairside

Connect the Positioner Abutment onto the fixture.

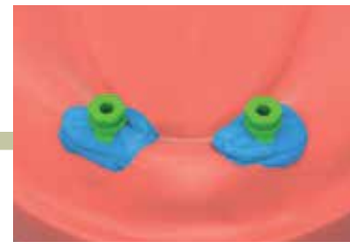


Affix the impression coping on the Positioner Abutment.

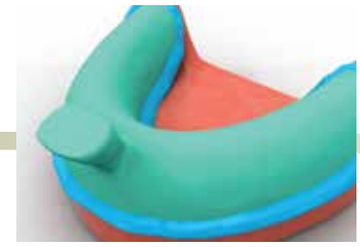


Take Impression for the production of individual tray.

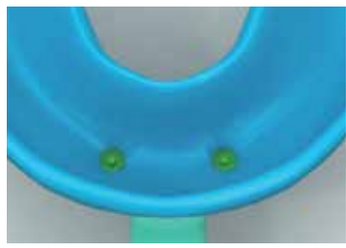
Produce the individual tray for denture impression.



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.

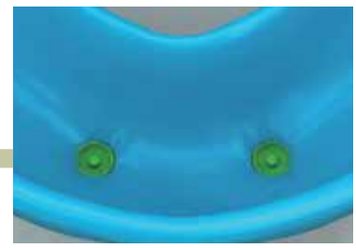
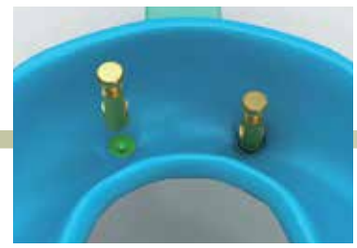


Image of the set final impression (with impression coping)

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

Chairside

Secure spaces for the female sockets.

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.

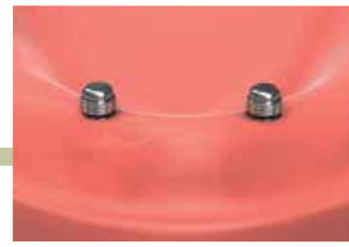
Female sockets are placed in the denture.

After polishing, the overdenture is completed.

Case 2

Chairside

Create holes for the placement of the female sockets.



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.

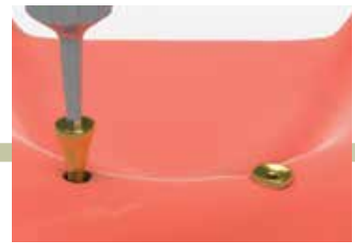
Apply resin around the female sockets.

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

2009 2010 2011 2012 2013 2014 2015

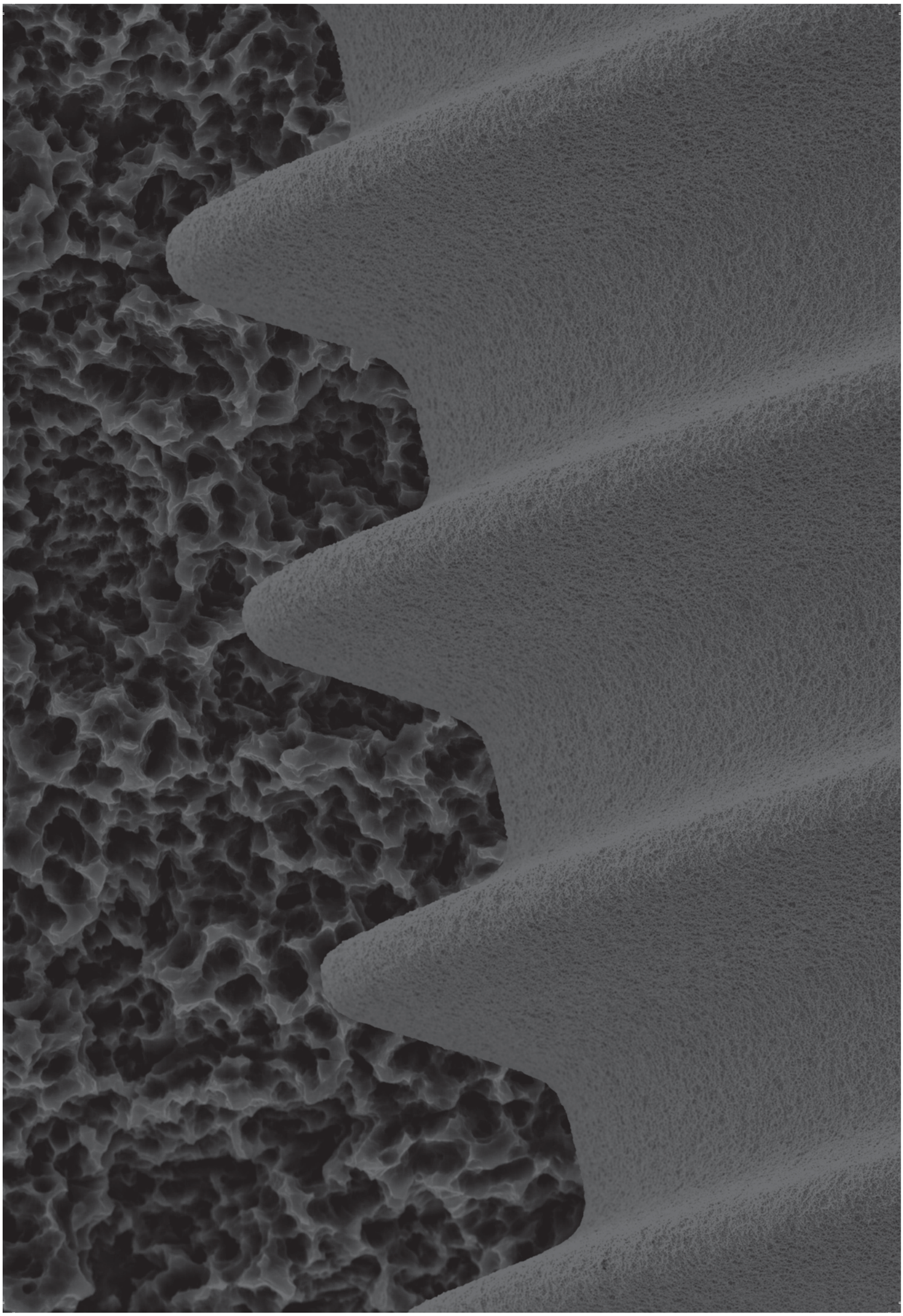
11 YEARS

2008. 04. 14
5 years

2013. 12. 05
11 years

Long term
clinical cases data
Since
2000

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



New SuperLine II

Product Catalog

Dentium

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

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