

SuperLine & Implantium

Product Catalog

DentiumUSA
Developed by Clinicians for Clinicians

SuperLine[™] & **IMPLANTIUM**[®]

*A New Choice
For the Customer*

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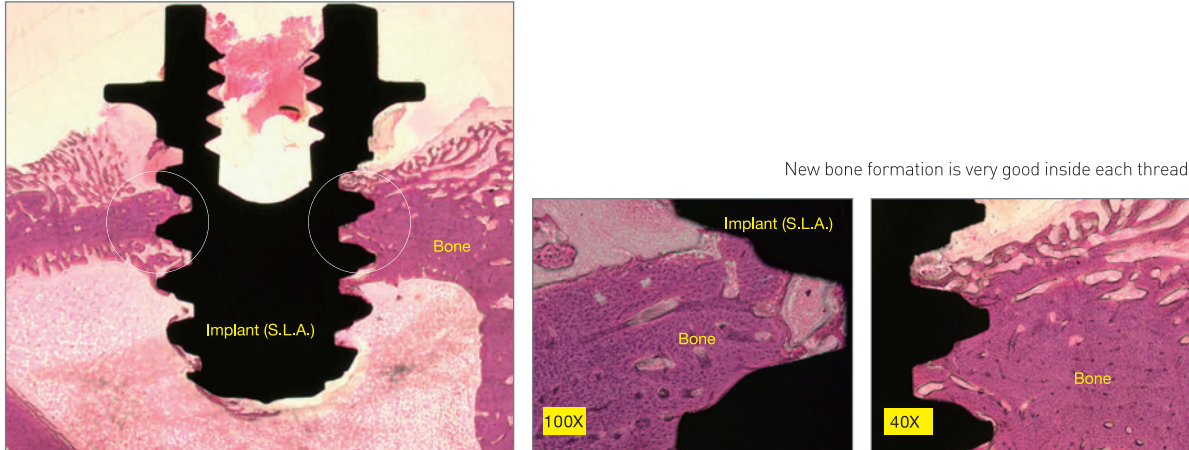
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S.L.A. Surface

S.L.A. (Sandblasting with Large grit and Acid etching)

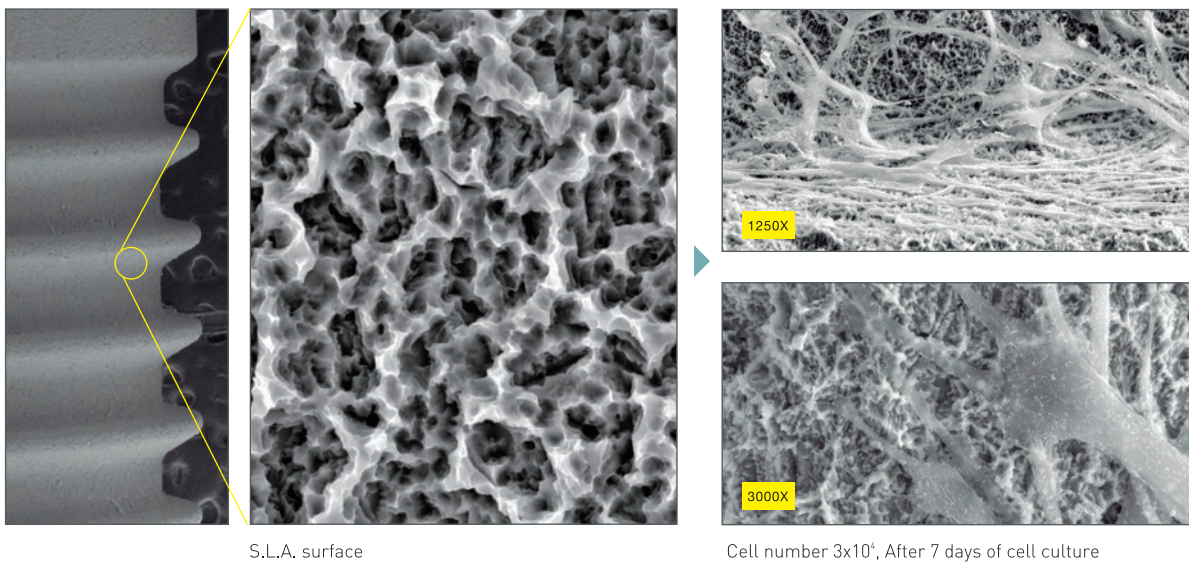
- Higher bone-to-implant contact.
- Very good bone formation on the surface.

In vivo test



Human osteoblast

- Well attached and proliferated human osteoblasts



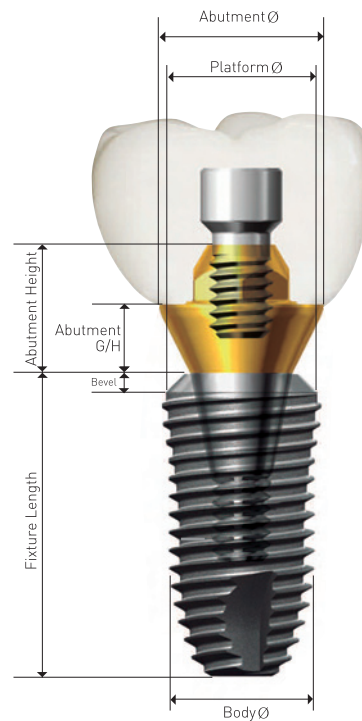
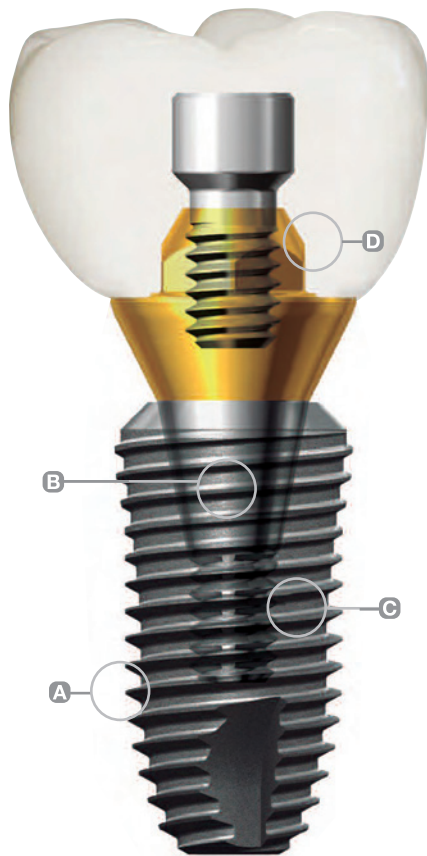


SuperLine™

SuperLine Characteristics

"Immediate Implantation with Excellent Bone Response"

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

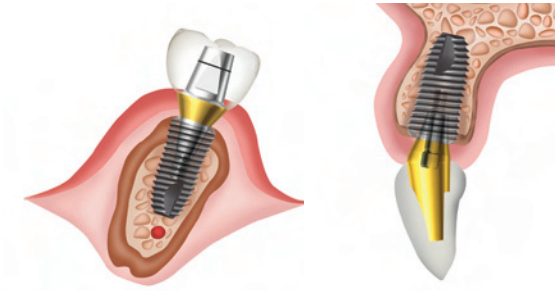


Selection Guideline

Ideal emergence profile for each tooth



A Tapered Design



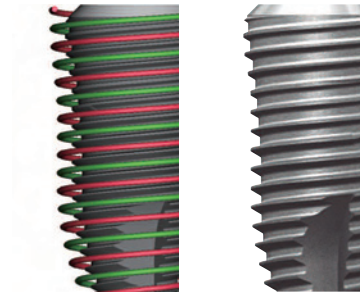
- Tapered load distribution may achieve excellent bone response.
- Tapered design may harmonize with surrounding bone anatomically.
- The large surface area helps provide excellent initial stability with sinus augmentation.

B Biological Connection



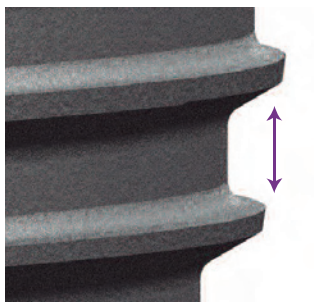
- The conical hex connection between the implant and abutment interface ensures hermetic sealing.
- The biologic connection distributes the load to the fixture evenly. This helps minimize micro-movement and marginal bone loss.
- All implant diameters share the same internal hex.

C-1 Double Thread & Thread Height



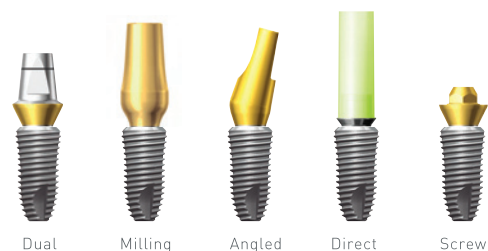
- Increased thread height helps increase the initial stability.
- Double thread may decrease chair time during implantation.

C-2 Osseointegration



- The greater distance between the threads may promote early osseointegration

D Prosthesis



- The conical hex connection between implant and abutment interface ensures hermetic sealing.

SuperLine Color Coding by Diameter

Color Coding by Diameter

• Cover screw is included.

(Unit:mm)

Cap color							
		Yellow	Green	Blue	Red	Orange	Violet
Fixture SuperLine							
 Platform Ø	Fixture Platform Diameter	3.6	4.0	4.5	5.0	6.0	7.0
 Body Ø	Fixture Body Diameter	3.4	3.8	4.3	4.8	4.8	5.8
 Bevel	Fixture Bevel Height	0.15	0.2	0.4	0.6	0.7	1.0



SuperLine Fixture

(Unit:mm)

Scale 1: 1.5 / mm

Platform \varnothing 3.6 | Body \varnothing 3.4

L	REF
8	FX 36 08 SWC
10	FX 36 10 SWC
12	FX 36 12 SWC
14	FX 36 14 SWC



Platform \varnothing 4.0 | Body \varnothing 3.8

L	REF
8	FX 40 08 SWC
10	FX 40 10 SWC
12	FX 40 12 SWC
14	FX 40 14 SWC



Platform \varnothing 4.5 | Body \varnothing 4.3

L	REF
8	FX 45 08 SWC
10	FX 45 10 SWC
12	FX 45 12 SWC
14	FX 45 14 SWC



Platform \varnothing 5.0 | Body \varnothing 4.8

L	REF
8	FX 50 08 SWC
10	FX 50 10 SWC
12	FX 50 12 SWC
14	FX 50 14 SWC



※ Note: 1) When placing a \varnothing 3.6 platform/3.4 body fixture, the Implant driver may not fit into the fixture properly because the hex depth is shorter than other diameters. In this case, separate the Implant driver from the fixture and reinsert.
 2) 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 \varnothing 6.0 | Body \varnothing 4.8

L	REF
8	FX 60 08 SWC
10	FX 60 10 SWC
12	FX 60 12 SWC

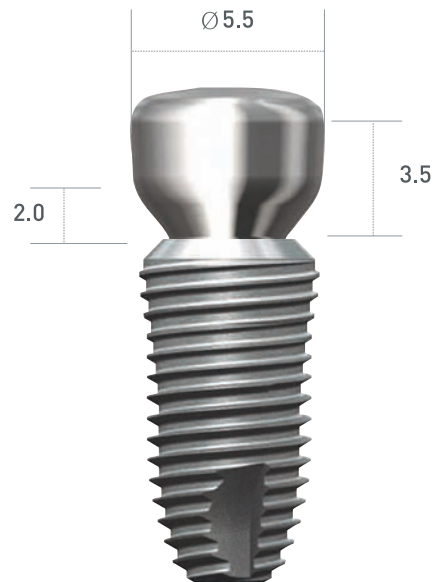


Platform \varnothing 7.0 | Body \varnothing 5.8

L	REF
8	FX 70 08 SWC
10	FX 70 10 SWC
12	FX 70 12 SWC



FX 5010 SWC
&
CS 38

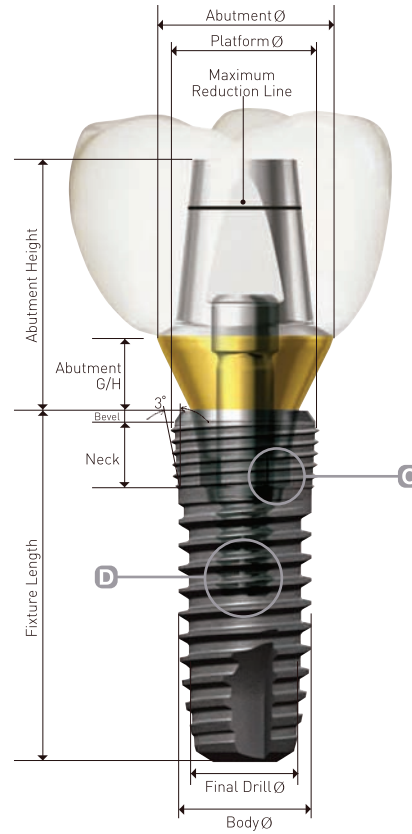


FX 5010 SWC
&
HAB 552035 L



IMPLANTIUM®

Implantium Characteristics



Selection Guideline

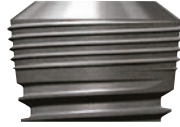
Ideal emergence profile for each tooth



A Optimal Fixation Threads



Regular Platform



Wide Platform

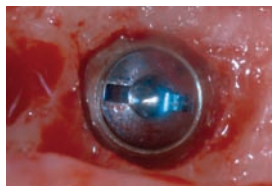
- Synchronized positive neck threads.
- Initial stability & maximum sealing between the cortical bone and fixture.
- Optimal fixation threads reduce stress of marginal cortical bone and minimize marginal bone loss.

C Biological Connection



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

E Bacteria Resistant Bevel



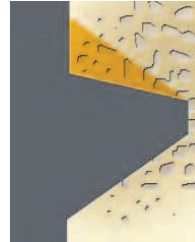
- The tapered bevel platform design may make bone profiling unnecessary at 1st and/or 2nd surgery.

G Cutting Edge



- The 3 blade self tapping design minimizes bone destruction.
- Tapered apical shape promotes easier insertion.

B Biological Thread



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

D Abutment Screw



- One abutment screw fits all abutments and fixture platforms.
- One hex screw driver fits all abutment screws.

F Abutment TiN-Coating



- Esthetic gold color with TiN-coating.

H Flat End



- The flat end design reduces risk of bone perforation.

Implantium Color Coding by Diameter

Color Coding by Diameter

• Cover screw is included.

(Unit:mm)

Cap color					
		Yellow	Green	Blue	Red
Fixture IMPLANTIUM					
 Platform Ø	Fixture Platform Diameter	3.6	4.0	4.5	5.0
 Body Ø	Fixture Body Diameter	3.4	3.8	4.3	4.8
 Bevel	Fixture Bevel Height	0.15	0.2	0.4	0.6



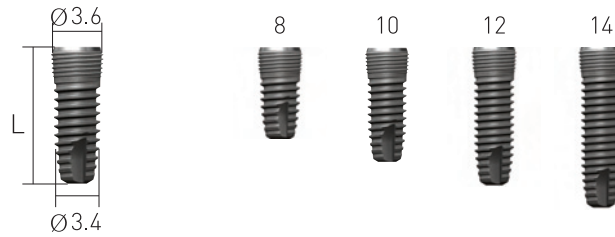
Implantium Fixture

(Unit:mm)

Scale 1: 1.5 / mm

Platform \varnothing 3.6 | Body \varnothing 3.4

L	REF
8	FX 34 08 MLC
10	FX 34 10 MLC
12	FX 34 12 MLC
14	FX 34 14 MLC



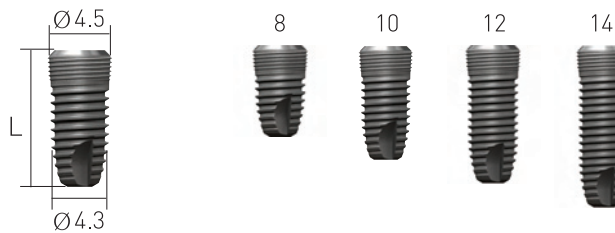
Platform \varnothing 4.0 | Body \varnothing 3.8

L	REF
8	FX 38 08 MLC
10	FX 38 10 MLC
12	FX 38 12 MLC
14	FX 38 14 MLC



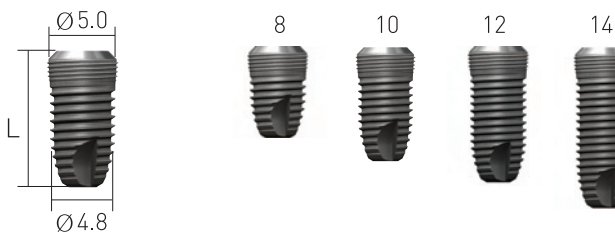
Platform \varnothing 4.5 | Body \varnothing 4.3

L	REF
8	FX 43 08 MLC
10	FX 43 10 MLC
12	FX 43 12 MLC
14	FX 43 14 MLC



Platform \varnothing 5.0 | Body \varnothing 4.8

L	REF
8	FX 48 08 MLC
10	FX 48 10 MLC
12	FX 48 12 MLC
14	FX 48 14 MLC



※Note: 1) When placing a \varnothing 3.6 platform/ \varnothing 3.4 body fixture, the Implant driver may not fit into the fixture properly because the hex depth is shorter than other diameters. In this case, separate the Implant driver from the fixture and reinsert.
 2) To prevent damage to the Implant driver or fixture, do not over torque during fixture insertion

Cover Screw

(Unit:mm)

※ Single use only

Scale 1: 1.5 / mm



CS38 and FX4510SWC

Color : Black / Only for platform Ø3.6 / Body Ø3.4

Type	REF
Small	CS34



Color : Blue / Platform Ø4.0, Ø4.5, Ø5.0, Ø5.5, Ø6.0, Ø7.0
Body Ø3.8, Ø4.3, Ø4.8, Ø5.8

Type	REF
Regular	CS38



※ 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

(Unit:mm)

※Single use only

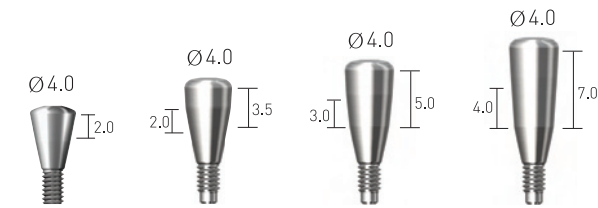
Scale 1: 1.5 / mm



HAB453050L and FX4510SWC

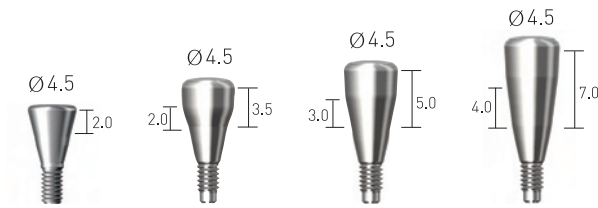
Diameter Ø4.0

G/H	H	REF
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



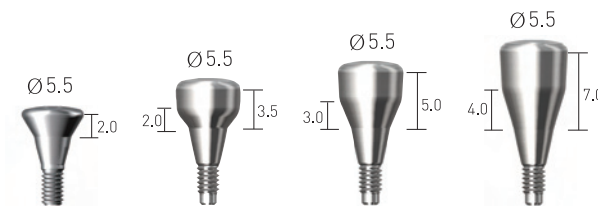
Diameter Ø4.5

G/H	H	REF
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



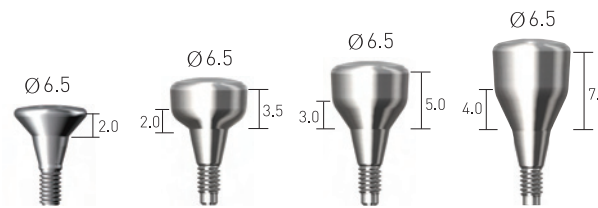
Diameter Ø5.5

G/H	H	REF
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	REF
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	REF
3.0	5.0	HAB 75 30 50 L
3.0	5.0	HAB 85 30 50 L
3.0	5.0	HAB 95 30 50 L

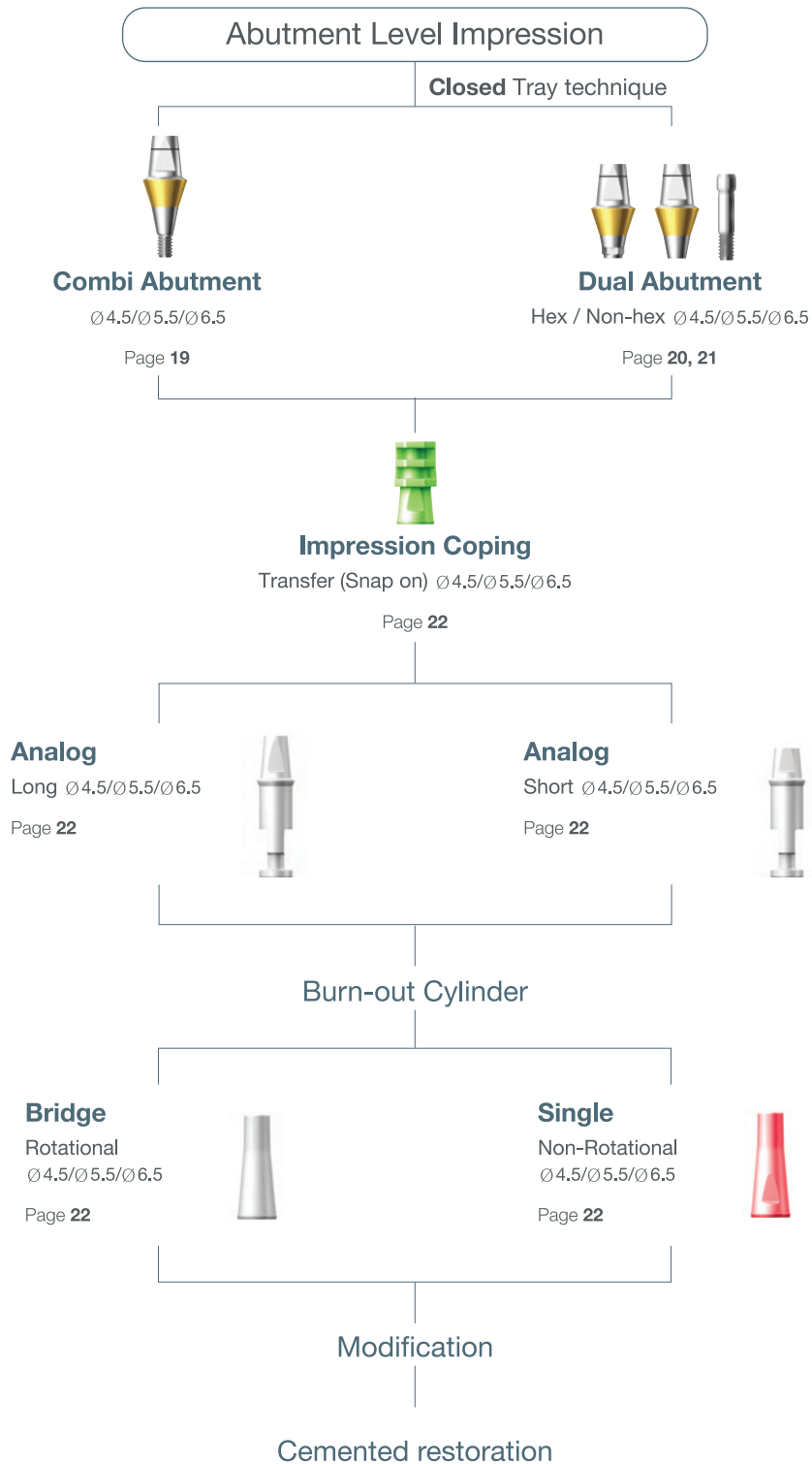


※Hex driver: Use no more than 10N-cm of torque when screwing a healing abutment to a fixture.
If hex is worn, slot on the head of the product can be used to rotate it.

Prosthetic Procedure 1

Impression Technique and Restoration Selection

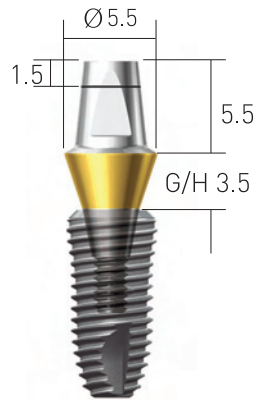
Dual / Combi Abutment



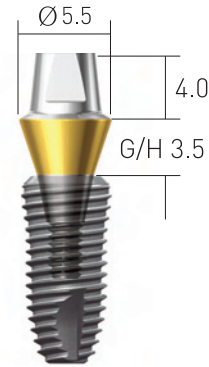
Combi Abutment

(Unit:mm)

Scale 1: 1.5 / mm



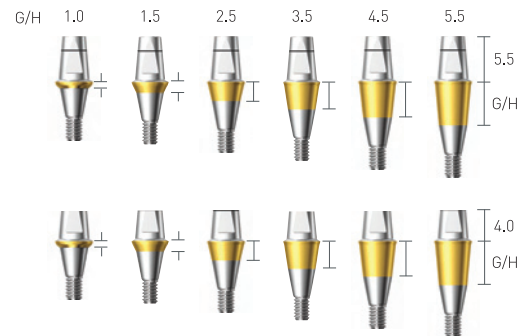
CAB5535L and FX4510SWC



CAB5535SL and FX4510SWC

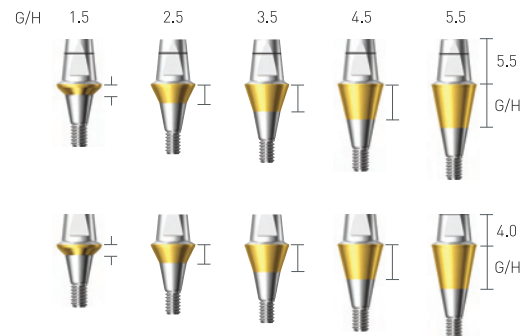
Diameter Ø4.5

G/H	Type	REF	Type	REF
1.0	Long	CAB 45 10 L	Short	CAB 45 10 SL
1.5		CAB 45 15 L		CAB 45 15 SL
2.5		CAB 45 25 L		CAB 45 25 SL
3.5		CAB 45 35 L		CAB 45 35 SL
4.5		CAB 45 45 L		CAB 45 45 SL
5.5		CAB 45 55 L		CAB 45 55 SL



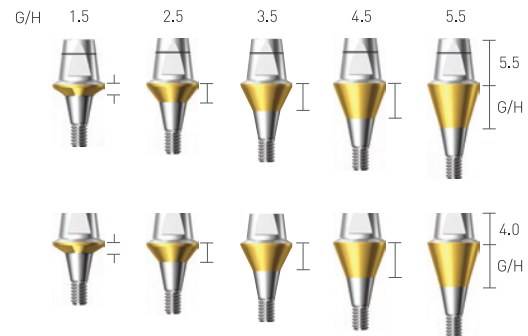
Diameter Ø5.5

G/H	Type	REF	Type	REF
1.5	Long	CAB 55 15 L	Short	CAB 55 15 SL
2.5		CAB 55 25 L		CAB 55 25 SL
3.5		CAB 55 35 L		CAB 55 35 SL
4.5		CAB 55 45 L		CAB 55 45 SL
5.5		CAB 55 55 L		CAB 55 55 SL



Diameter Ø6.5

G/H	Type	REF	Type	REF
1.5	Long	CAB 65 15 L	Short	CAB 65 15 SL
2.5		CAB 65 25 L		CAB 65 25 SL
3.5		CAB 65 35 L		CAB 65 35 SL
4.5		CAB 65 45 L		CAB 65 45 SL
5.5		CAB 65 55 L		CAB 65 55 SL



※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

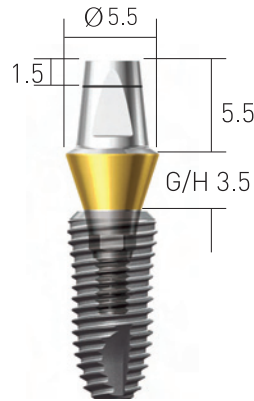
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the combi abutment with the fixture.

Dual Abutment [Hex]

(Unit:mm)

- Abutment screw is included.

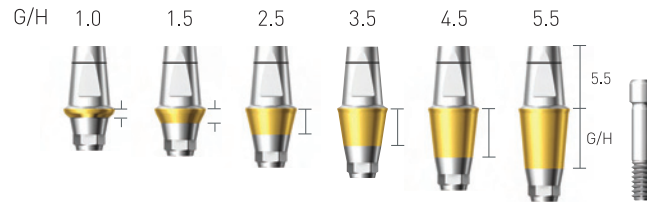
Scale 1: 1.5 / mm



DAB5535HL and FX4510SWC

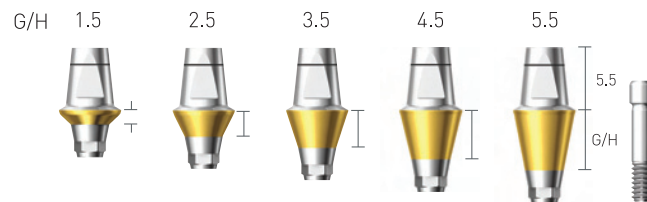
Diameter Ø 4.5 | Hex

G/H	REF
1.0	DAB 45 10 HL
1.5	DAB 45 15 HL
2.5	DAB 45 25 HL
3.5	DAB 45 35 HL
4.5	DAB 45 45 HL
5.5	DAB 45 55 HL



Diameter Ø 5.5 | Hex

G/H	REF
1.5	DAB 55 15 HL
2.5	DAB 55 25 HL
3.5	DAB 55 35 HL
4.5	DAB 55 45 HL
5.5	DAB 55 55 HL



Diameter Ø 6.5 | Hex

G/H	REF
1.5	DAB 65 15 HL
2.5	DAB 65 25 HL
3.5	DAB 65 35 HL
4.5	DAB 65 45 HL
5.5	DAB 65 55 HL



※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

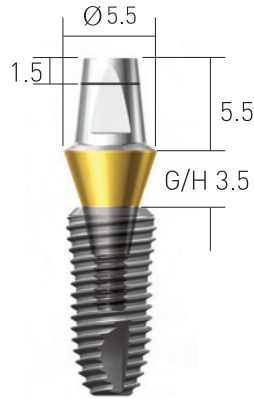
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual abutment with the fixture.

Dual Abutment [Non-hex]

(Unit:mm)

- Abutment screw is included.

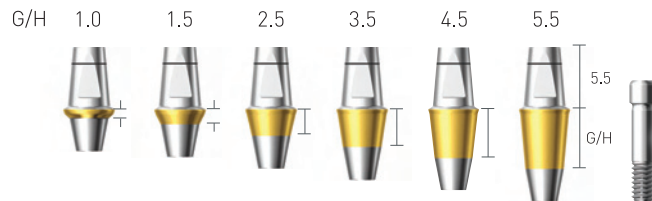
Scale 1: 1.5 / mm



DAB5535NL and FX4510SWC

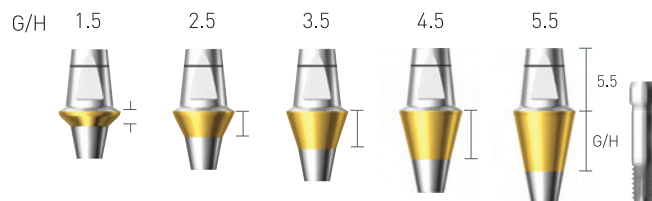
Diameter \varnothing 4.5 | Non-hex

G/H	REF
1.0	DAB 45 10 NL
1.5	DAB 45 15 NL
2.5	DAB 45 25 NL
3.5	DAB 45 35 NL
4.5	DAB 45 45 NL
5.5	DAB 45 55 NL



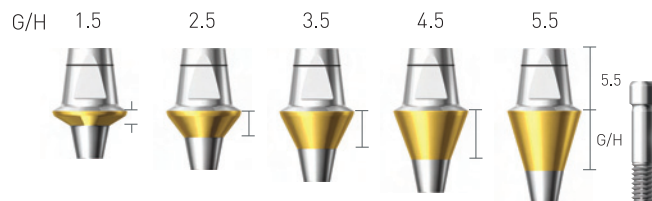
Diameter \varnothing 5.5 | Non-hex

G/H	REF
1.5	DAB 55 15 NL
2.5	DAB 55 25 NL
3.5	DAB 55 35 NL
4.5	DAB 55 45 NL
5.5	DAB 55 55 NL



Diameter \varnothing 6.5 | Non-hex

G/H	REF
1.5	DAB 65 15 NL
2.5	DAB 65 25 NL
3.5	DAB 65 35 NL
4.5	DAB 65 45 NL
5.5	DAB 65 55 NL



※ Note: 1) If the fixture with size of \varnothing 3.6 platform (\varnothing 3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

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

Abutment Level Impression Components

Comfort Cap

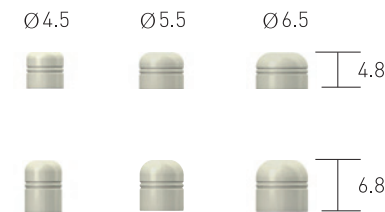
Scale 1: 1 / mm

Diameter	REF
Ø4.5	CCC 45 L
Ø5.5	CCC 55 L
Ø6.5	CCC 65 L



Comfort Cap | Snap on

Type	Diameter	REF
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



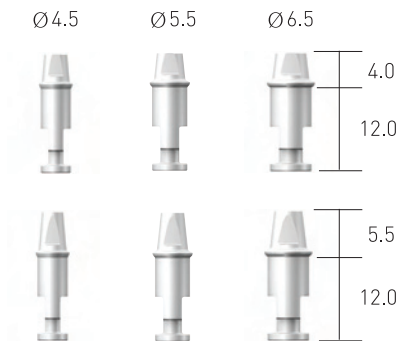
Impression Coping

Diameter	REF
Ø4.5	CIC 45 L
Ø5.5	CIC 55 L
Ø6.5	CIC 65 L



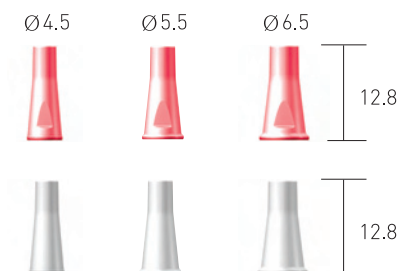
Analog

Type	Diameter	REF
Short	Ø4.5	CAN 45 SL
	Ø5.5	CAN 55 SL
	Ø6.5	CAN 65 SL
Long	Ø4.5	CAN 45 LL
	Ø5.5	CAN 55 LL
	Ø6.5	CAN 65 LL



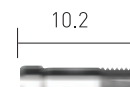
Burn-out Cylinder

Type	Diameter	REF
Single	Ø4.5	CBC 45 SL
	Ø5.5	CBC 55 SL
	Ø6.5	CBC 65 SL
Bridge	Ø4.5	CBC 45 BL
	Ø5.5	CBC 55 BL
	Ø6.5	CBC 65 BL



Abutment Screw | Scale 1 : 1.5 / mm

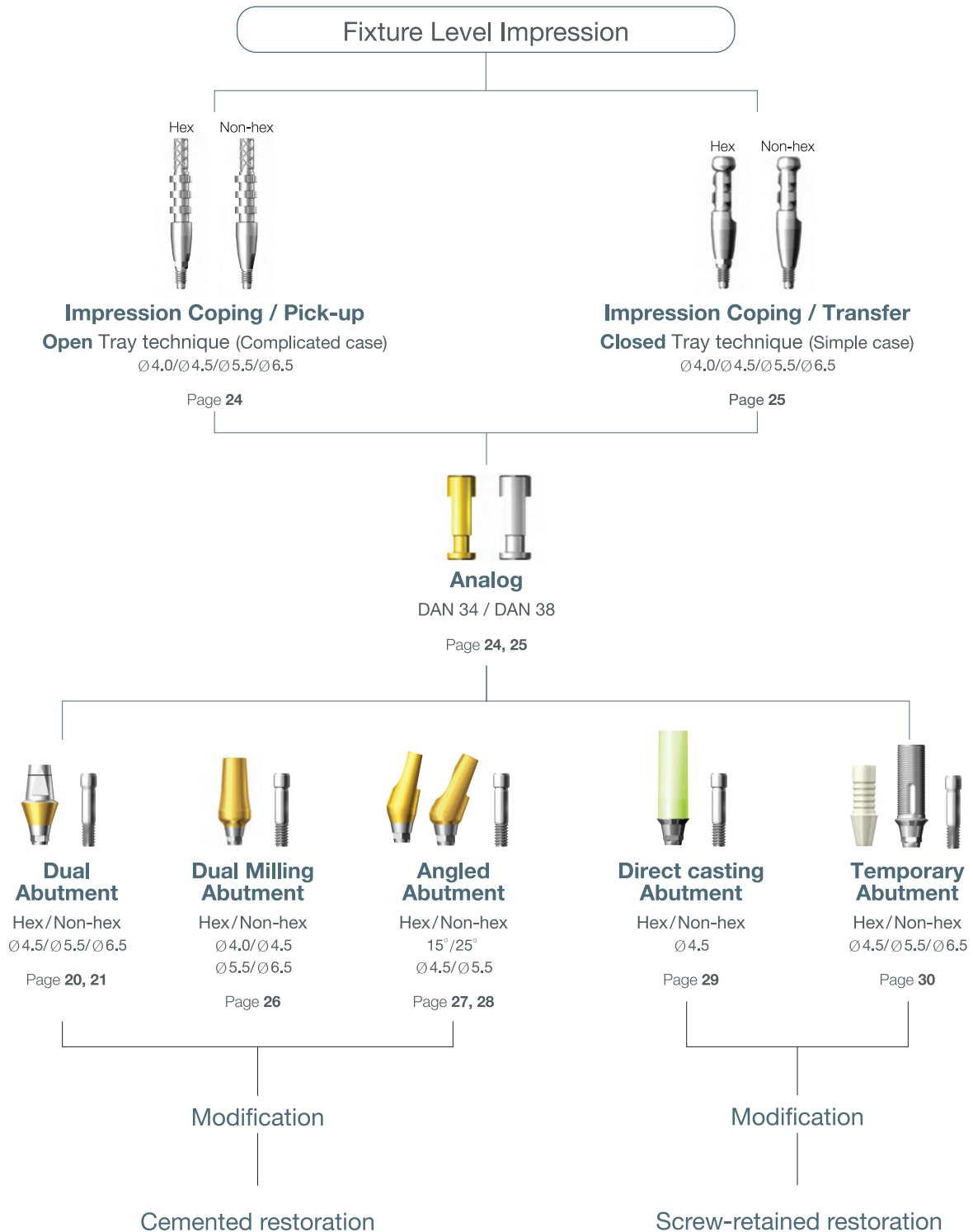
ASC 2045



Prosthetic Procedure 2

Impression Technique and Restoration Selection

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



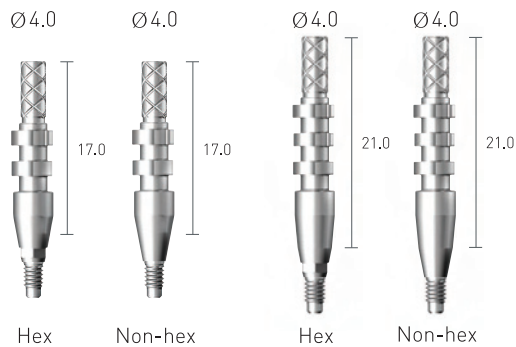
Fixture Level Impression Components

• Impression coping screw is included with Impression coping.

Scale 1: 1.5 / mm

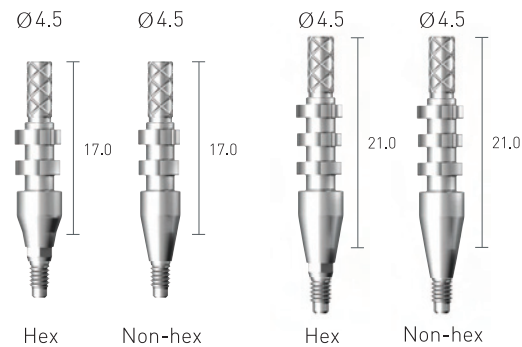
Impression Coping Pick-up Ø4.0

Size	Type	REF
Short	Hex	DPU 40 11 HL
Short	Non-hex	DPU 40 11 NL
Long	Hex	DPU 40 15 HL
Long	Non-hex	DPU 40 15 NL



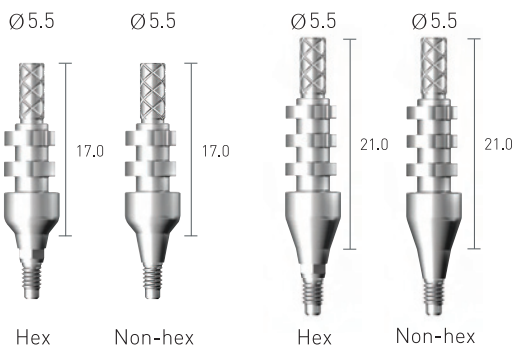
Impression Coping Pick-up Ø4.5

Size	Type	REF
Short	Hex	DPU 45 11 HL
Short	Non-hex	DPU 45 11 NL
Long	Hex	DPU 45 15 HL
Long	Non-hex	DPU 45 15 NL



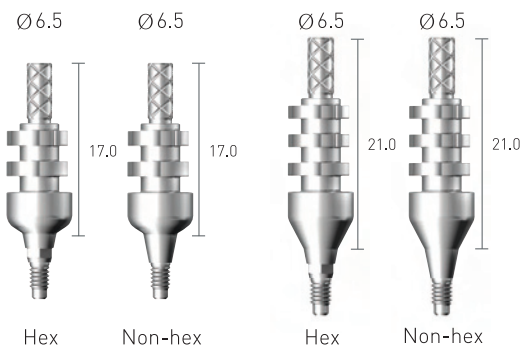
Impression Coping Pick-up Ø5.5

Size	Type	REF
Short	Hex	DPU 55 11 HL
Short	Non-hex	DPU 55 11 NL
Long	Hex	DPU 55 15 HL
Long	Non-hex	DPU 55 15 NL



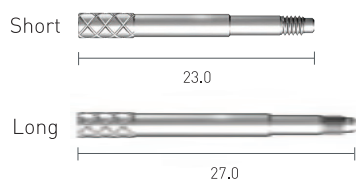
Impression Coping Pick-up Ø6.5

Size	Type	REF
Short	Hex	DPU 65 11 HL
Short	Non-hex	DPU 65 11 NL
Long	Hex	DPU 65 15 HL
Long	Non-hex	DPU 65 15 NL



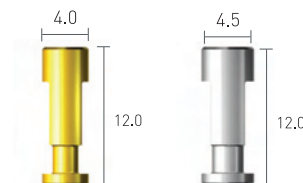
Impression Coping Pick-up Screw

Size	REF
Short	DPS 11
Long	DPS 15



Analogue

Application (BodyØ)	REF
Ø3.4	DAN 34
Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DAN 38



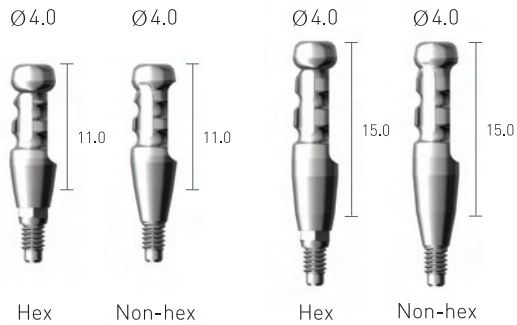
Fixture Level Impression Components

• Impression coping screw is included with Impression coping.

Scale 1: 1.5 / mm

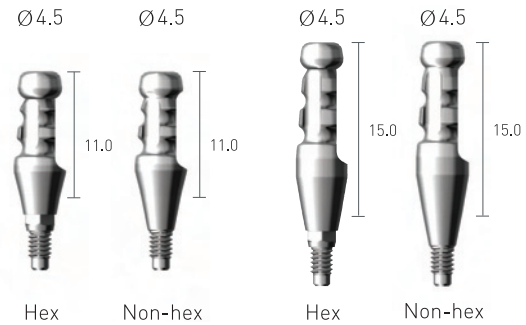
Impression Coping Transfer Ø4.0

Size	Type	REF
Short	Hex	DTF 40 11 HL
Short	Non-hex	DTF 40 11 NL
Long	Hex	DTF 40 15 HL
Long	Non-hex	DTF 40 15 NL



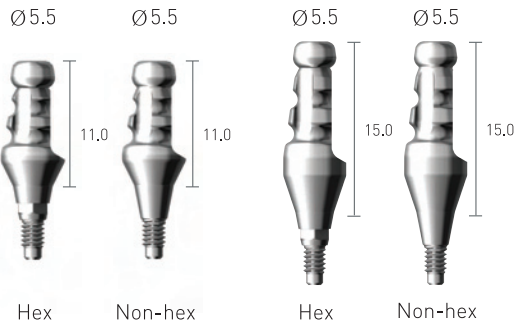
Impression Coping Transfer Ø4.5

Size	Type	REF
Short	Hex	DTF 45 11 HL
Short	Non-hex	DTF 45 11 NL
Long	Hex	DTF 45 15 HL
Long	Non-hex	DTF 45 15 NL



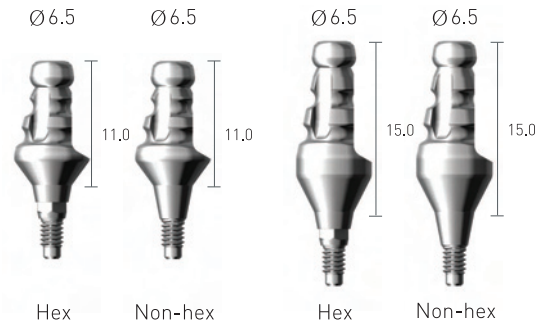
Impression Coping Transfer Ø5.5

Size	Type	REF
Short	Hex	DTF 55 11 HL
Short	Non-hex	DTF 55 11 NL
Long	Hex	DTF 55 15 HL
Long	Non-hex	DTF 55 15 NL



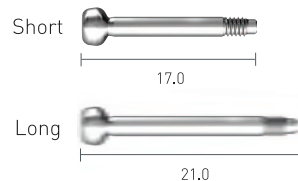
Impression Coping Transfer Ø6.5

Size	Type	REF
Short	Hex	DTF 65 11 HL
Short	Non-hex	DTF 65 11 NL
Long	Hex	DTF 65 15 HL
Long	Non-hex	DTF 65 15 NL



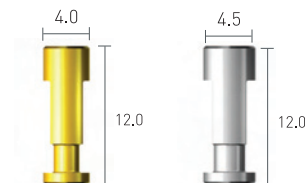
Impression Coping Transfer Screw

Size	REF
Short	DTS 11
Long	DTS 15



Analog

Application (BodyØ)	REF
Ø3.4	DAN 34
Ø3.8 / Ø4.3 / Ø4.8 / Ø5.8	DAN 38

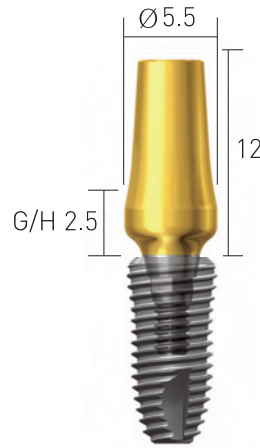


Dual Milling Abutment

(Unit:mm)

• Abutment screw is included.

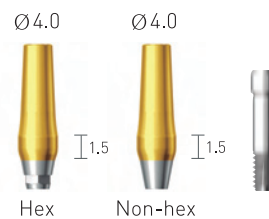
Scale 1: 1.5 / mm



DAB55207N/HL and FX4510SWC

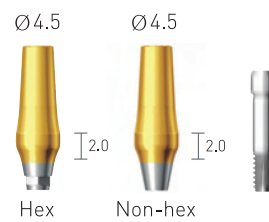
Diameter Ø4.0

G/H	Type	REF
1.5	Hex	DAB 40 105 HL
1.5	Non-hex	DAB 40 105 NL



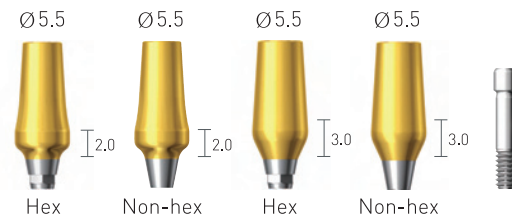
Diameter Ø4.5

G/H	Type	REF
2.0	Hex	DAB 45 156 HL
2.0	Non-hex	DAB 45 156 NL



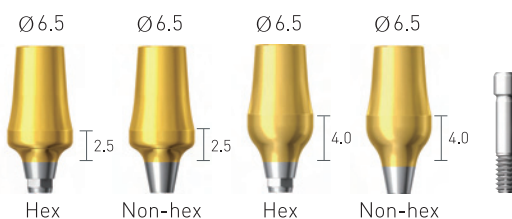
Diameter Ø5.5

G/H	Type	REF
2.0	Hex	DAB 55 207 HL
2.0	Non-hex	DAB 55 207 NL
3.0	Hex	DAB 55 307 HL
3.0	Non-hex	DAB 55 307 NL



Diameter Ø6.5

G/H	Type	REF
2.5	Hex	DAB 65 258 HL
2.5	Non-hex	DAB 65 258 NL
4.0	Hex	DAB 65 408 HL
4.0	Non-hex	DAB 65 408 NL



※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

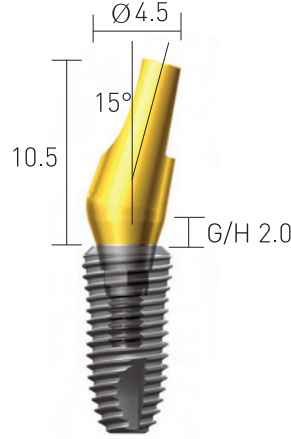
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the dual milling abutment with the fixture.

Angled Abutment [15°]

[Unit:mm]

- Abutment screw is included.

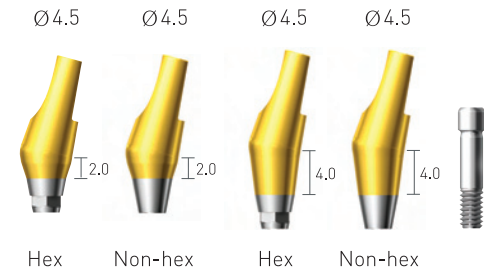
Scale 1: 1.5 / mm



AAB 154520N/HL and FX4510SWC

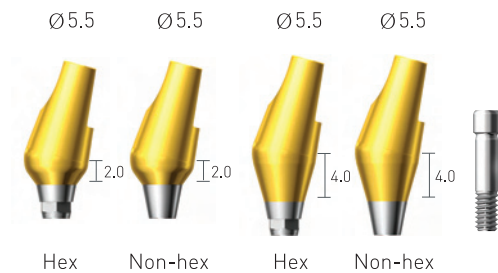
Diameter Ø4.5 | Angled 15°

G/H	Type	REF
2.0	Hex	AAB 15 45 20 HL
2.0	Non-hex	AAB 15 45 20 NL
4.0	Hex	AAB 15 45 40 HL
4.0	Non-hex	AAB 15 45 40 NL



Diameter Ø5.5 | Angled 15°

G/H	Type	REF
2.0	Hex	AAB 15 55 20 HL
2.0	Non-hex	AAB 15 55 20 NL
4.0	Hex	AAB 15 55 40 HL
4.0	Non-hex	AAB 15 55 40 NL



※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

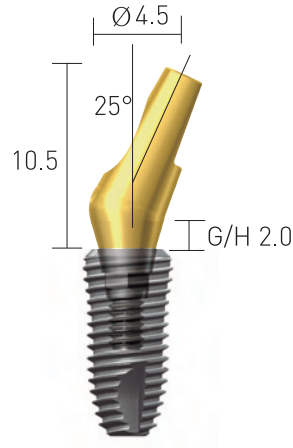
2) It is recommended to keep the torque level at 25~30 N·cm to tighten the angled abutment with the fixture.

Angled Abutment [25°]

[Unit:mm]

- Abutment screw is included.
- Not currently available

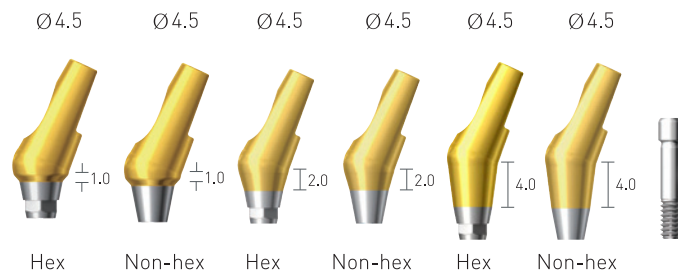
Scale 1: 1.5 / mm



AAB 254520HL and FX4510SWC

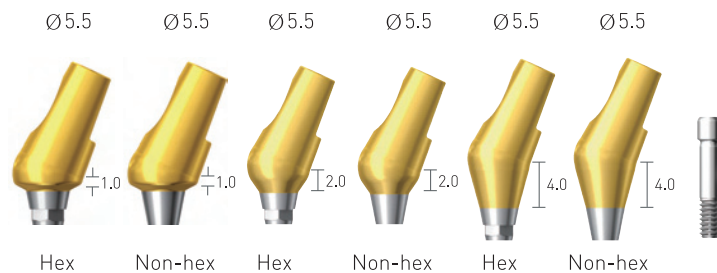
Diameter Ø4.5 | Angled 25°

G/H	Type	REF
1.0	Hex	AAB 25 45 10 HL
1.0	Non-hex	AAB 25 45 10 NL
2.0	Hex	AAB 25 45 20 HL
2.0	Non-hex	AAB 25 45 20 NL
4.0	Hex	AAB 25 45 40 HL
4.0	Non-hex	AAB 25 45 40 NL



Diameter Ø5.5 | Angled 25°

G/H	Type	REF
1.0	Hex	AAB 25 55 10 HL
1.0	Non-hex	AAB 25 55 10 NL
2.0	Hex	AAB 25 55 20 HL
2.0	Non-hex	AAB 25 55 20 NL
4.0	Hex	AAB 25 55 40 HL
4.0	Non-hex	AAB 25 55 40 NL



※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

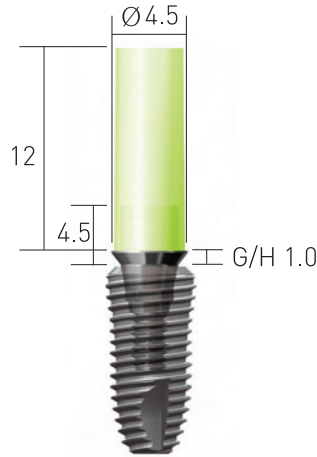
2) It is recommended to keep the torque level at 25-30 N·cm to tighten the angled abutment with the fixture.

Direct-Casting Abutment

(Unit:mm)

- Abutment screw is included.

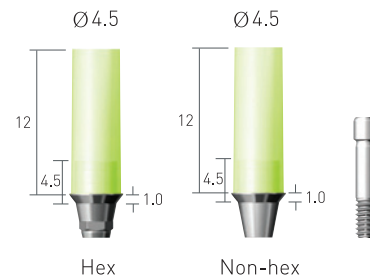
Scale 1: 1.5 / mm



RAB45GN/H and FX4510SWC

Direct-Casting Abutment | Gold

G/H	Type	REF
1.0	Hex	RAB 45 GH
1.0	Non-hex	RAB 45 GN



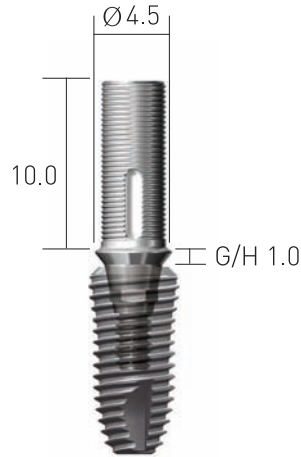
※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.
 2) It is recommended to keep the torque level at 25~30 N·cm to tighten the direct-casting abutment with the fixture.

Temporary Abutment

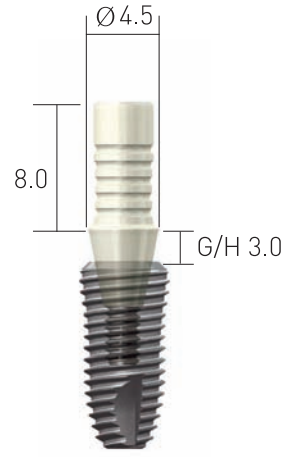
(Unit:mm)

• Abutment screw is included.

Scale 1: 1.5 / mm



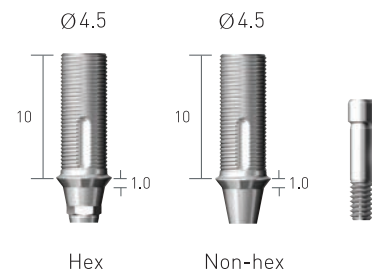
RAB45TN/H and FX4510SWC



RAB45PNL and FX4510SWC

Ti-Temporary Abutment

Diameter	G/H	Type	REF
Ø4.5	1.0	Hex	RAB 45 TH
Ø4.5	1.0	Non-hex	RAB 45 TN

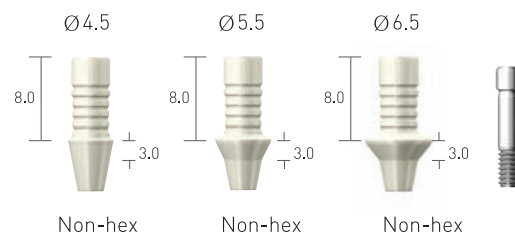


Hex

Non-hex

Plastic Temporary Abutment | Non-hex only

Diameter	G/H	Type	REF
Ø4.5	3.0	Non-hex	RAB 45 PNL
Ø5.5	3.0	Non-hex	RAB 55 PNL
Ø6.5	3.0	Non-hex	RAB 65 PNL



Non-hex

Non-hex

Non-hex

※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

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

Prosthetic Procedure 3

Impression Technique and Restoration Selection

Screw Abutment

Abutment Level Impression



Screw abutment

Ø4.5/Ø5.5

Page 32

Closed Tray technique



Impression coping transfer

Bridge / Single Ø4.5/Ø5.5

Page 33

Open Tray technique



Impression coping pick-up

Bridge / Single Ø4.5/Ø5.5

Page 33

Analog

Ø4.5/Ø5.5

Page 34



Burn-out cylinder

Ø4.5/Ø5.5

Page 35



Gold cylinder

Ø4.5/Ø5.5

Page 35



Titanium cylinder

Ø4.5/Ø5.5

Page 35



Bridge
(Non-hex)

Single
(Hex)

Bridge
(Non-hex)

Single
(Hex)

Bridge
(Non-hex)

Single
(Hex)

Polishing protector

Ø4.5/Ø5.5

Page 34



Temporary restoration

Ti-retaining screw

Page 34



Screw-retained restoration

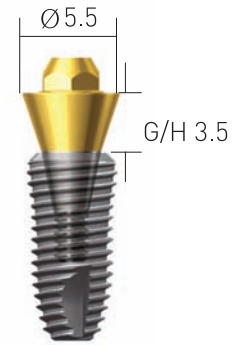
Screw Abutment

[Unit:mm]

Scale 1: 1.5 / mm



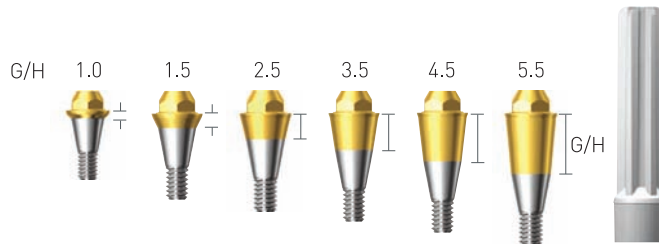
Delivery Holder



SAB5535L and FX4510SWC

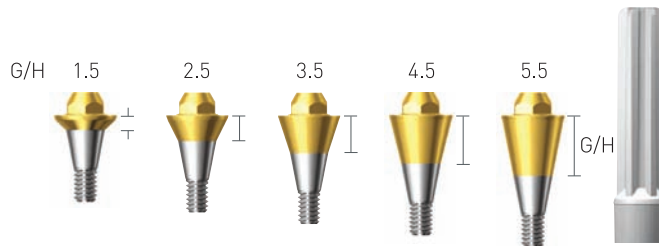
Diameter Ø4.5

G/H	REF
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	REF
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) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

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

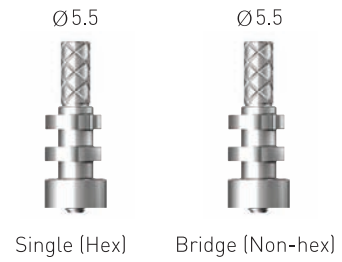
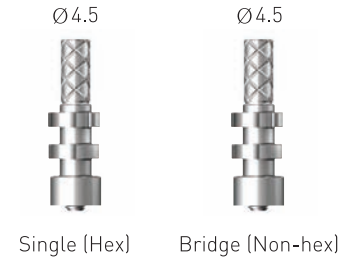
Screw Abutment Impression Components

• Impression coping screw is included with Impression Coping

Scale 1: 1.5 / mm

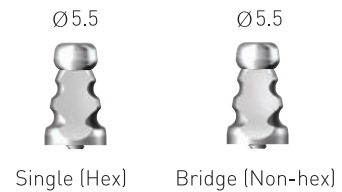
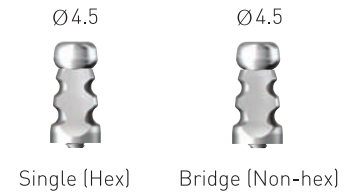
Impression Coping Pick-up

Diameter	Type		REF
Ø4.5	Single	Hex	SPU 45 SL
Ø4.5	Bridge	Non-hex	SPU 45 BL
Ø5.5	Single	Hex	SPU 55 SL
Ø5.5	Bridge	Non-hex	SPU 55 BL



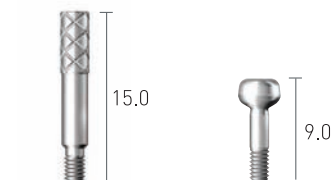
Impression Coping Transfer

Diameter	Type		REF
Ø4.5	Single	Hex	STF 45 SL
Ø4.5	Bridge	Non-hex	STF 45 BL
Ø5.5	Single	Hex	STF 55 SL
Ø5.5	Bridge	Non-hex	STF 55 BL



Impression Coping Screw

Type	REF
Pick-up	SPS 09
Transfer	STS 09



Screw Abutment Impression Components

Scale 1: 1.5 / mm

Comfort Cap

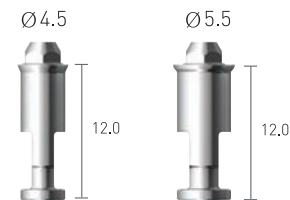
Diameter	REF
Ø4.5	SCC 45 L
Ø5.5	SCC 55 L



- Ti-Retaining screw is included

Analog

Diameter	REF
Ø4.5	SAN 45 L
Ø5.5	SAN 55 L



Polishing Protector

Diameter	REF
Ø4.5	SPP 45 L
Ø5.5	SPP 55 L



Ti-Retaining Screw

SRS 18 T



(Unit:mm)

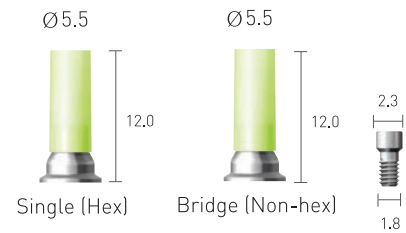
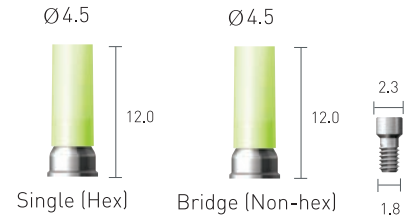
Screw Abutment Impression Components

• Ti-Retaining screw is included

Scale 1: 1.5 / mm

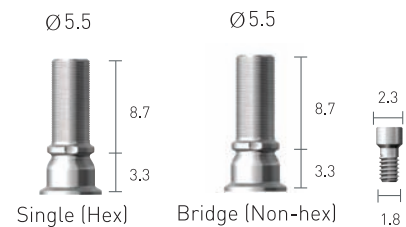
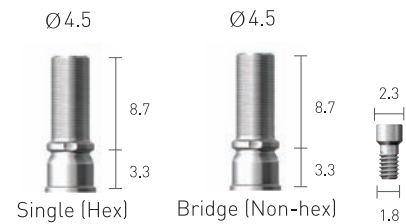
Gold Cylinder

Diameter	Type		REF
Ø4.5	Single	Hex	SGC 45 SL
Ø4.5	Bridge	Non-hex	SGC 45 BL
Ø5.5	Single	Hex	SGC 55 SL
Ø5.5	Bridge	Non-hex	SGC 55 BL



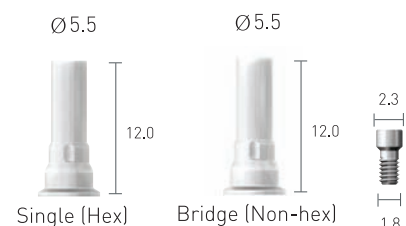
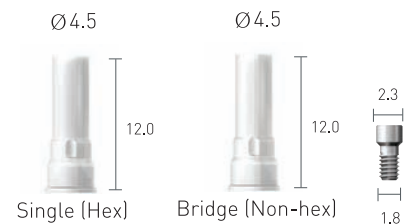
Ti-Cylinder

Diameter	Type		REF
Ø4.5	Single	Hex	STC 45 SL
Ø4.5	Bridge	Non-hex	STC 45 BL
Ø5.5	Single	Hex	STC 55 SL
Ø5.5	Bridge	Non-hex	STC 55 BL



Burn-Out Cylinder

Diameter	Type		REF
Ø4.5	Single	Hex	SBC 45 SL
Ø4.5	Bridge	Non-hex	SBC 45 BL
Ø5.5	Single	Hex	SBC 55 SL
Ø5.5	Bridge	Non-hex	SBC 55 BL



Prosthetic Procedure 4

Impression Technique and Restoration Type

Overdenture Procedure

Ball and Magnetic Attachment



Ball abutment

Ø3.5
Page 37

Abutment Level Impression



Ball Impression Coping

Page 37



Ball Analog

Page 37



Socket Spacer

Page 37



Mini Denture Socket and O-ring

Page 37

Ball and Socket Attachment
for Overdenture

Ball Attachment

(Unit:mm)

- Not currently available

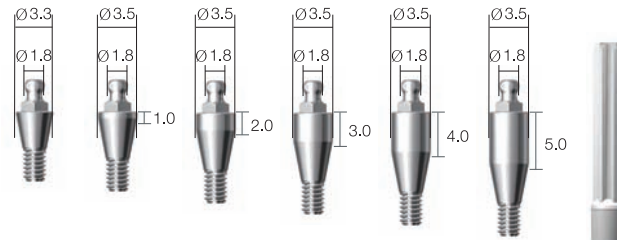
Scale 1: 1.5 / mm



BAB352018 and FX4510SW

Ball Abutment

G/H	REF
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



Ball Impression Coping

ICA



Ball Analog

BANL



Socket Spacer

BIC3L



Female Socket

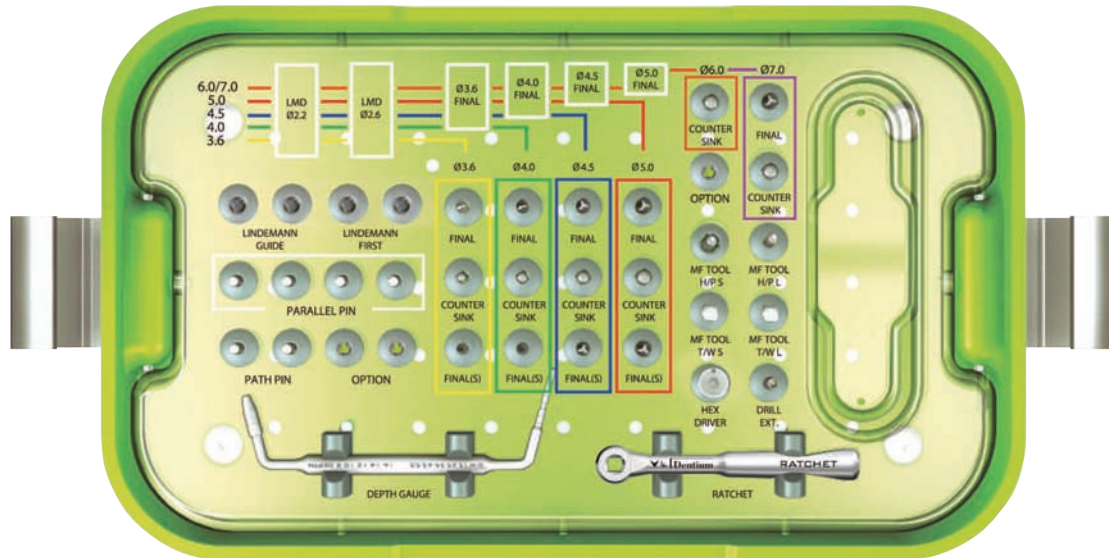
BPF3



※ Note: 1) If the fixture with size of Ø3.6 platform (Ø3.4 body) is used, abutment height after assembly will become 0.5 mm longer than the other sized fixtures.

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

Surgical Kit

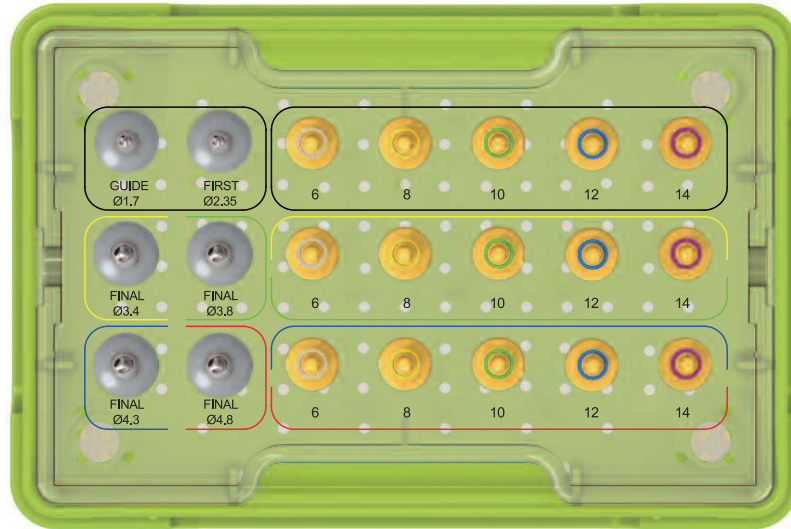


UXIF

Kit Contents

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

Drill Stopper Kit



XDS

Kit Contents

- Lindemann drill Stopper



- Stopper-Lindemann drill



- Final drill Stopper / 34, 38



- Stopper-Final drill / 34, 38



- Final drill Stopper / 43, 48



- Stopper-Final drill / 43, 48



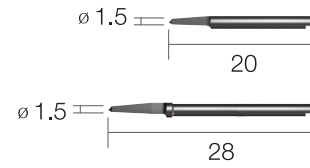
Drill

(Unit:mm)

Scale 1: 1 / mm

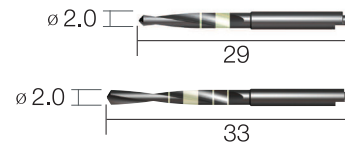
Guide Drill

Diameter	L	REF
Ø 1.5	20	XGD 15 20
Ø 1.5	28	XGD 15 28



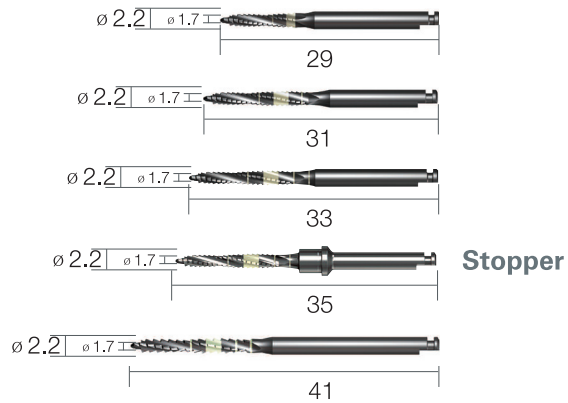
First Drill

Diameter	L	REF
Ø 2.0	29	XFD 20 29
Ø 2.0	33	XFD 20 33



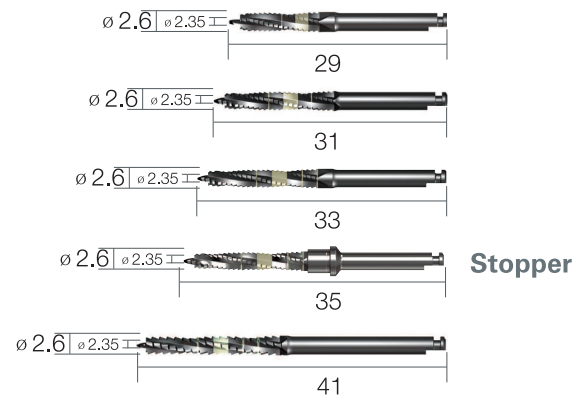
Lindemann Guide Drill

Diameter	L	REF
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



Lindemann First Drill

Diameter	L	REF
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



Pilot Drill

Diameter	L	REF
Ø 3.0	30	XPD 20 30



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

Drill

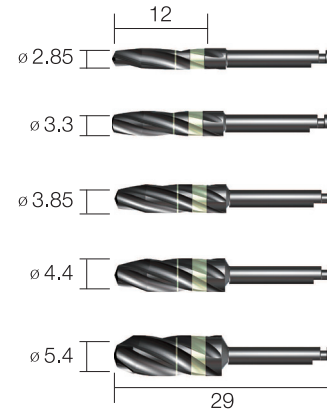


(Unit:mm)

Scale 1: 1 / mm

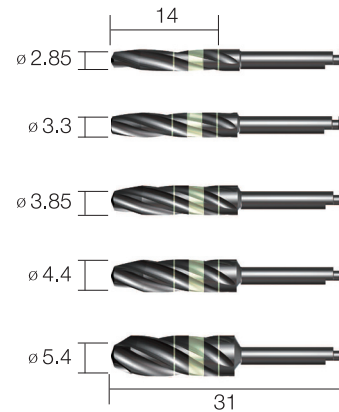
Final Drill | Length-29mm

Diameter	L	REF
Ø 2.85	29	XFD 34 29
Ø 3.3	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



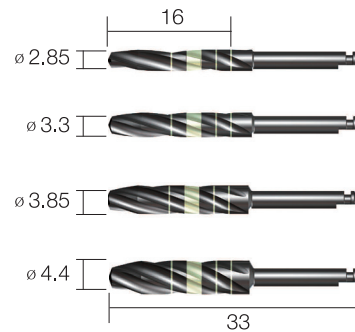
Final Drill | Length-31mm

Diameter	L	REF
Ø 2.85	31	XFD 34 31
Ø 3.3	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



Final Drill | Length-33mm

Diameter	L	REF
Ø 2.85	33	XFD 34 33
Ø 3.3	33	XFD 38 33
Ø 3.85	33	XFD 43 33
Ø 4.4	33	XFD 48 33



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

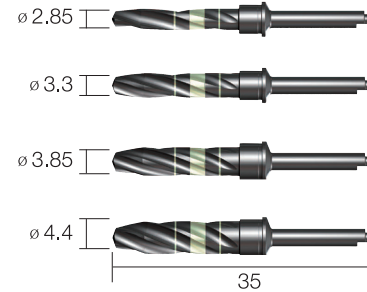
Drill

(Unit:mm)

Scale 1: 1 / mm

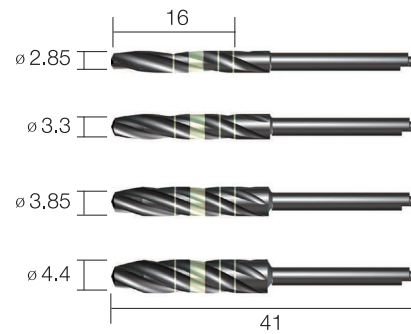
Final Drill | Length-35mm | Stopper

Diameter	L	REF
Ø 2.85	35	XFD 34 35
Ø 3.3	35	XFD 38 35
Ø 3.85	35	XFD 43 35
Ø 4.4	35	XFD 48 35



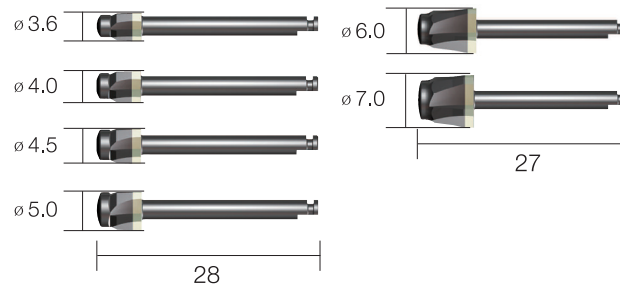
Final Drill | Length-41mm

Diameter	L	REF
Ø 2.85	41	XFD 34 41
Ø 3.3	41	XFD 38 41
Ø 3.85	41	XFD 43 41
Ø 4.4	41	XFD 48 41



Countersink

Diameter	REF
Ø 3.6	XCS 36 29 SW
Ø 4.0	XCS 40 29 SW
Ø 4.5	XCS 45 29 SW
Ø 5.0	XCS 50 29 SW
Ø 6.0	XCS 60 29 SW
Ø 7.0	XCS 70 29 SW



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

Stopper

(Unit:mm)

Scale 1: 1 / mm

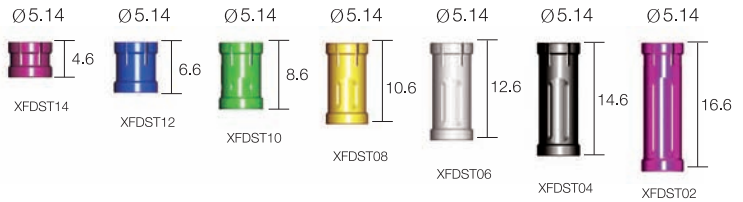
Stopper | for Lindemann Guide, First Drill

Drilling Depth	L	REF
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



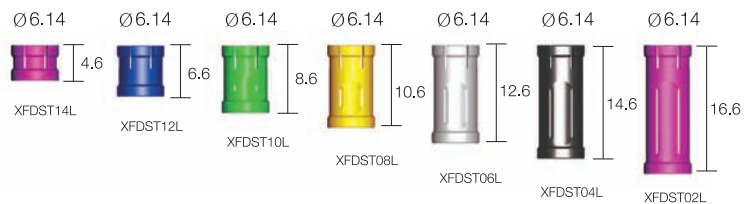
Stopper | for Final Drill 3435, 3835

Drilling Depth	L	REF
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	REF
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



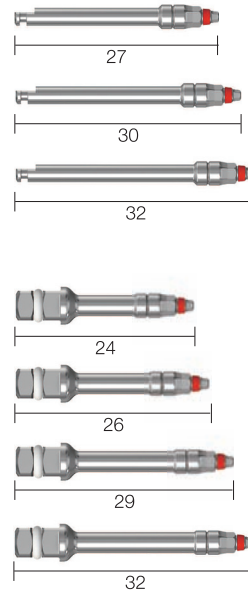
Instrument

(Unit:mm)

Scale 1: 1.5 / mm

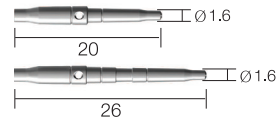
Adapter | Hex 1.28mm

Type	L	REF
Hand-piece	27	XID 27 H
	30	XID 30 H
	32	XID 32 H
Ratchet	24	XID 24 W
	26	XID 26 W
	29	XID 29 W
	29	XID 32 W



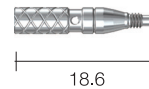
Parallel Pin | for Lindemann drill

Diameter	REF
Ø1.6	XPP 162220T
Ø1.6	XPP 162226T



Path Pin

L	REF
18.6	XMFPA2



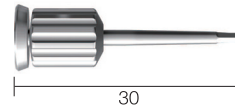
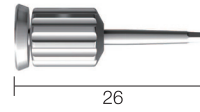
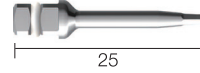
Instrument

(Unit:mm)

Scale 1: 1 / mm

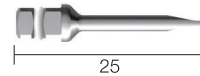
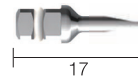
Hex driver | Hex 1.28mm

Type	L	REF
Hand-piece	25	XHD 25 H
Ratchet	25	XHD 25 W
	27	XHD 27 W
Manual	26	XHD 26 T
	30	XHD 30 T



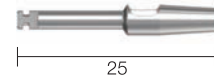
Slot driver

Type	REF
Ratchet	SDA 17 R
	SDA 25 R



Drill Extension

XDE



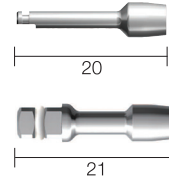
Instrument

(Unit:mm)

Scale 1: 1 / mm

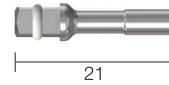
Adapter | For Screw & Ball Abutment | Scale 1 : 1 / mm

Type	REF
Hand-piece	XMAA1
Ratchet	XMA 21W



Adapter | For Mini Ball Abutment | Scale 1 : 1 / mm

IPST21W



Driver | Manual

Type	REF
Manual	XHDHT



Tissue Punch | Scale 1 : 1 / mm

XTS40



※ Punching Size : Ø4.0

Instrument

(Unit:mm)

Scale 1: 1 / mm

Ratchet

XRCA1



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.

DASK (Dentium Advanced Sinus Kit)



DASK

Kit Contents

- DASK Drill



- Stopper

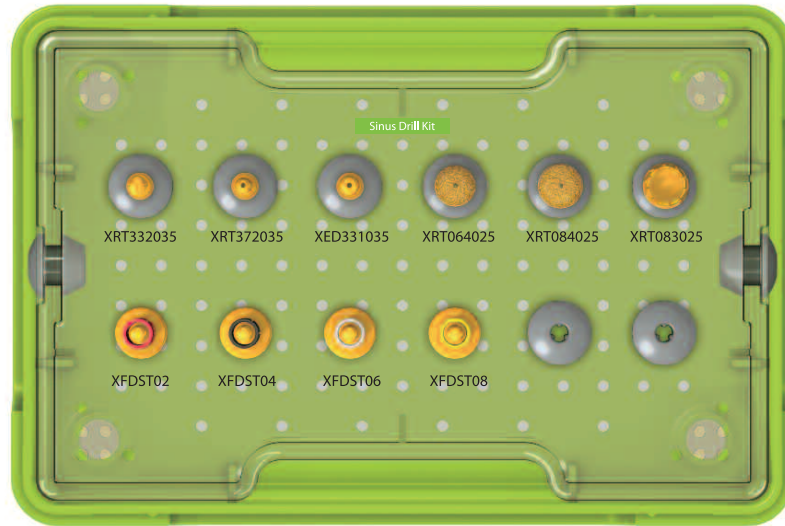


- Sinus Elevation Instrument



Sinus Bur Kit / Sinus Kit

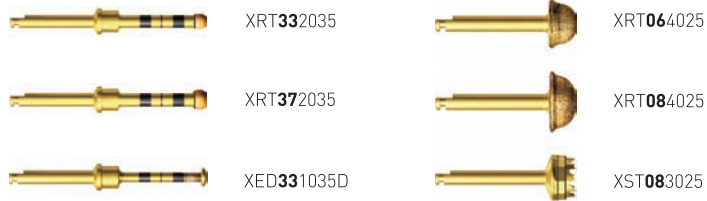
(Unit:mm)



SDK

Kit Contents

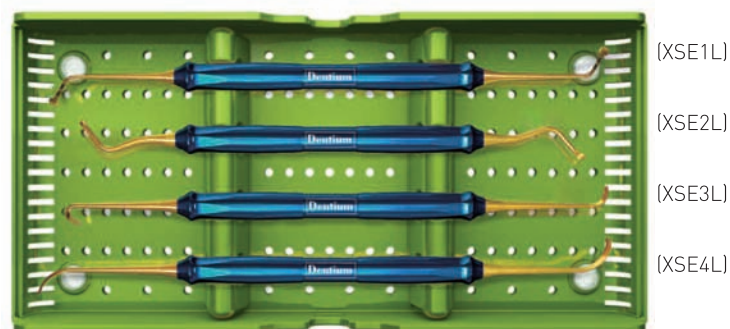
- DASK Drill



- Stopper



Sinus Kit



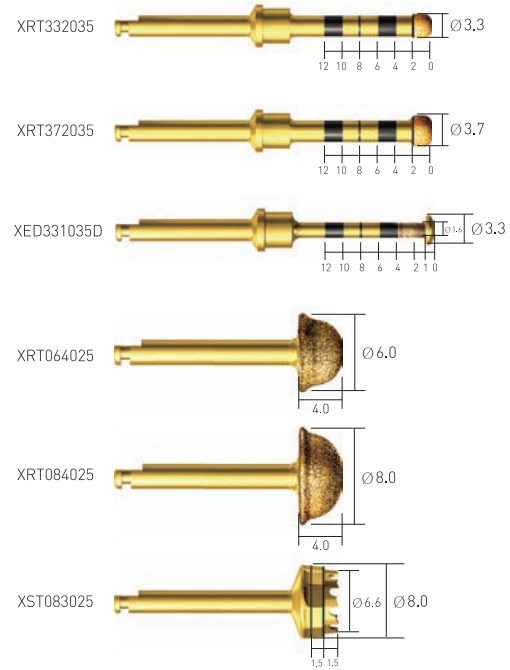
XSKL

DASK / Sinus Bur Kit / Sinus Kit (Unit:mm)

DASK Drill | Scale 1 : 1.2 / mm

Type	DASK Drill #	REF
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.

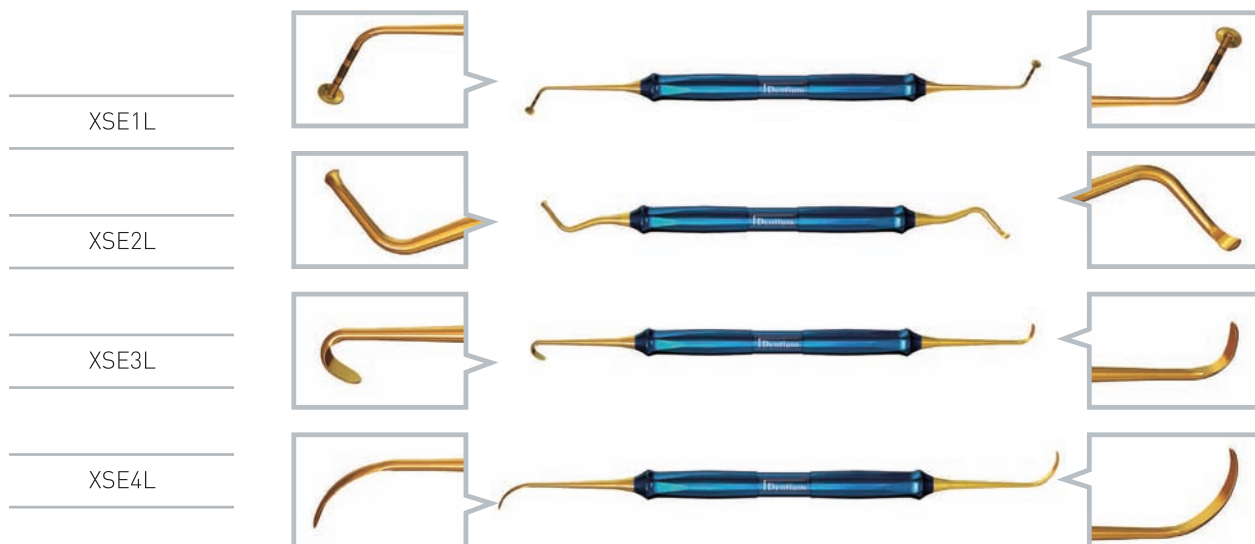


Stopper | For XRT332035, XRT372035, XED331035 | Scale 1 : 1 / mm

Drilling Depth	L	REF
08	10.6	XFDST 08
06	12.6	XFDST 06
04	14.6	XFDST 04
02	16.6	XFDST 02



Sinus Elevation Instrument | Scale 1 : 0.45 / mm

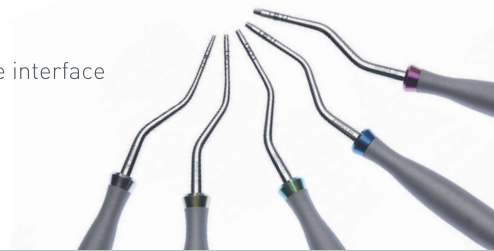


Osteotome Kit

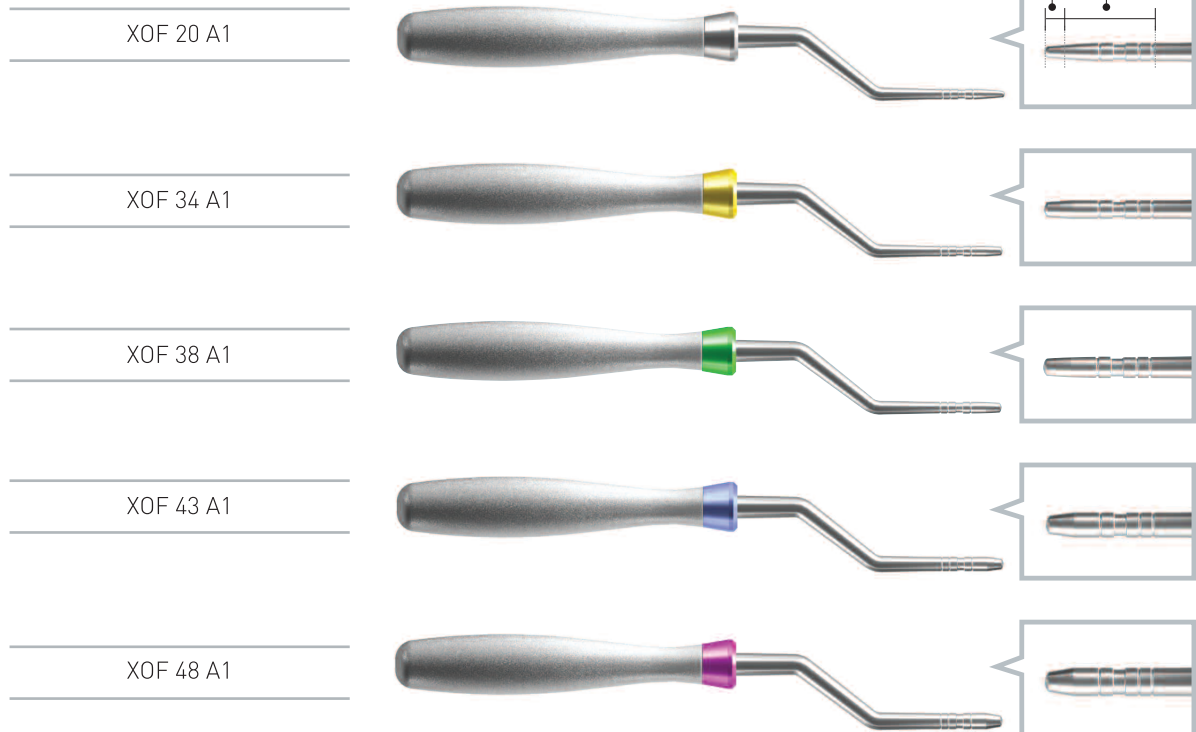
(Unit:mm)

Osteotome Kit

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

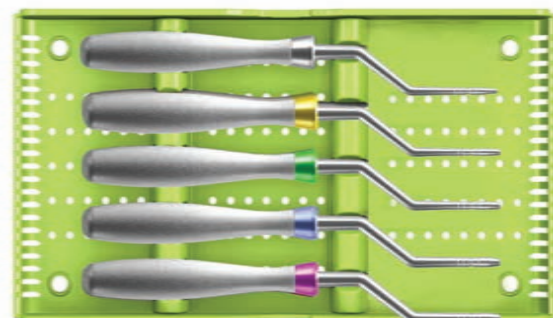


Osteotome | Final drill type / Scale 1 : 0.5 / mm



Osteotome Kit

	XOFK	
REF	ØA	ØB
XOF 20 A1	Ø1.7	Ø2.8
XOF 34 A1	Ø2.3	Ø2.8
XOF 38 A1	Ø2.7	Ø3.2
XOF 43 A1	Ø2.8	Ø3.8
XOF 48 A1	Ø3.0	Ø4.3

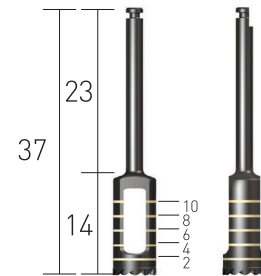


Trephine Kit

(Unit:mm)

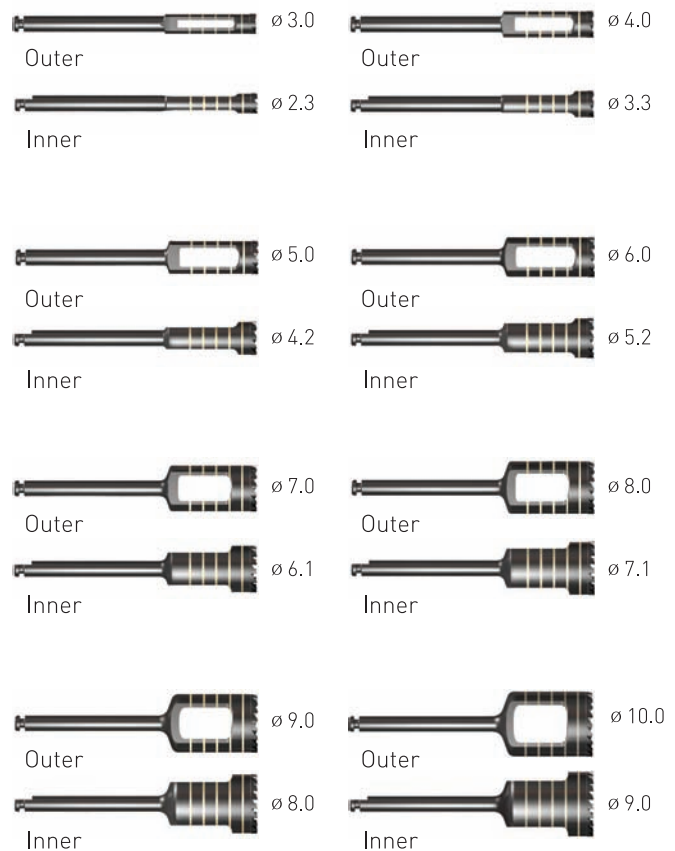
Trephine Bur

- Excellent fine cutting
- Strong engagement when the trephine contacts the cortical bone
- Holes at each side of the bur
- 5 scale marks on the Trephine drill from 2mm to 10mm
- Easy harvesting



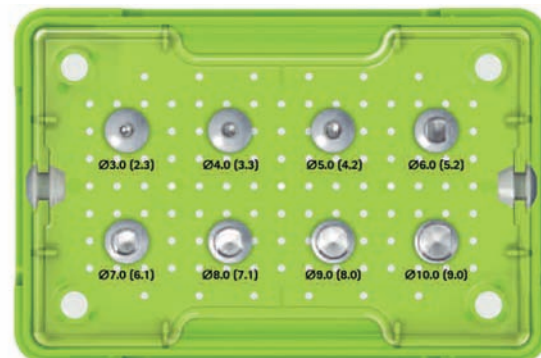
Trephine Bur | Scale 1 : 0.5 / mm

Outer Diameter	Inner Diameter	REF
Ø 3.0	Ø 2.3	XTP 24 03
Ø 4.0	Ø 3.3	XTP 34 04
Ø 5.0	Ø 4.2	XTP44 05
Ø 6.0	Ø 5.2	XTP 54 06
Ø 7.0	Ø 6.1	XTP 64 07
Ø 8.0	Ø 7.1	XTP 74 08
Ø 9.0	Ø 8.0	XTP 84 09
Ø 10.0	Ø 9.0	XTP 94 10



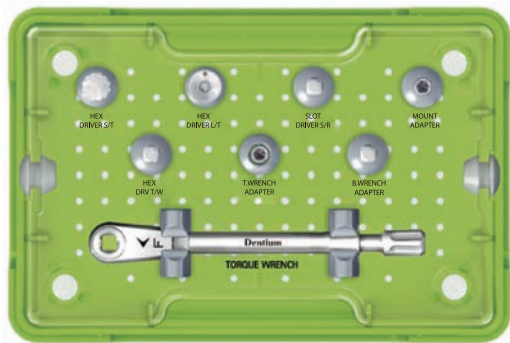
Trephine Kit

XIT



Prosthetic Kit

(Unit:mm)



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_Wrench Adapter | Scale 1 : 1/mm

XMA 21 W



Mini Ball Wrench Adapter | Scale 1 : 1/mm

IPST 21 W



Torque Wrench | Scale 1 : 0.7/mm

XTW



Prosthetic and Laboratory Instrument

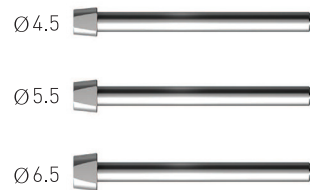
Hex Driver | Hex 1.28mm / Scale 1 : 1 / mm

H	REF
13	XHD 13
15	XHD 15
21	XHD 21
28	XHD 28



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

Diameter	REF
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	REF
Bridge	SRG BL
Single	SRG SL



Prosthetic and Laboratory Instrument

Reamer Handle | Scale 1 : 0.5 / mm

CRH



Hand Wrench | Scale 1 : 1 / mm

XHW



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

CRM



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

SRM



Help Kit

- Not currently available

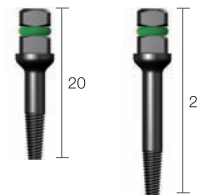
Screw Remover | Scale 1 : 1 / mm

L	REF
25	XRF S2 S
33	XRF S2



Abutment Hex Remover | Scale 1 : 1 / mm

L	REF
20	XRHR 20
25	XRHR 25



Screw Tap Repair | Scale 1 : 1 / mm

Type	REF
Tap	XRSTR
11° Guide	XRSG 11
8° Guide	XRSG 8



Fixture Remover | Scale 1 : 1 / mm

Type	REF
Remover	XRFR1
	XRFR2
	XRFR3
Wrench	XRFRW



Wrench

Cover & Abutment Screw Remover

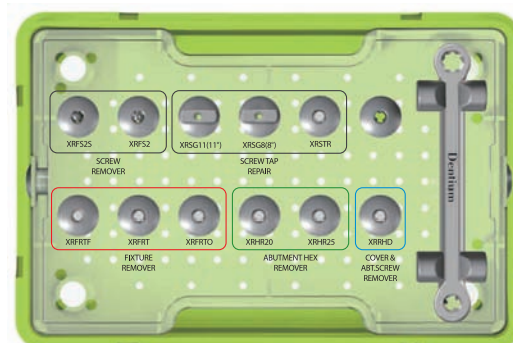
| Scale 1 : 1 / mm

L	REF
25	XRRHD



Help Kit

XIH





OSTEON™

OSTEON™ Characteristics

■ Application of OSTEON™

- Ridge Augmentation
- Extraction sites
- Cystic Cavities
- Sinus Lifts
- Periodontal defects

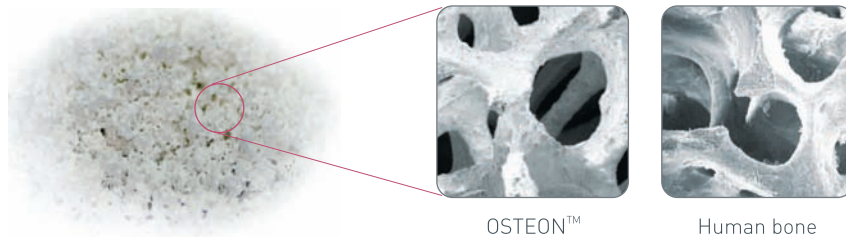
■ Composition of OSTEON™

- 100% Synthetic bone graft : HA scaffold coated with β -TCP

OSTEON™ = HA 70% + β - TCP 30%

■ Specification of OSTEON™

- 100% Synthetic bone graft
- Interconnected porous structure similar to that of human cancellous bone
- Osteoconductive material as a bone growth scaffold



■ Image and Analysis



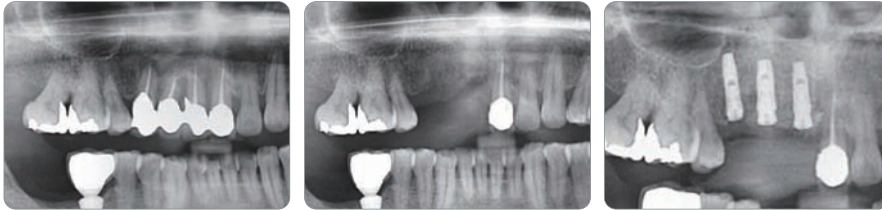
- Osteoblasts were well attached and proliferated on OSTEON™ surface.

OSTEON™

■ OSTEON™

Type	REF	Particle Size	Volume
Vial	GBG 0305-02	0.3~0.5mm	0.25cc
	GBG 0305-05		0.5cc
	GBG 0305-10		1.0cc
	GBG 0510-02	0.5~1.0mm	0.25cc
	GBG 0510-05		0.5cc
	GBG 0510-10		1.0cc
	GBG 1020-02	1.0~2.0mm	0.25cc
	GBG 1020-05		0.5cc
	GBG 1020-10		1.0cc

■ Clinical Case



OSTEON™ Sinus & Lifting

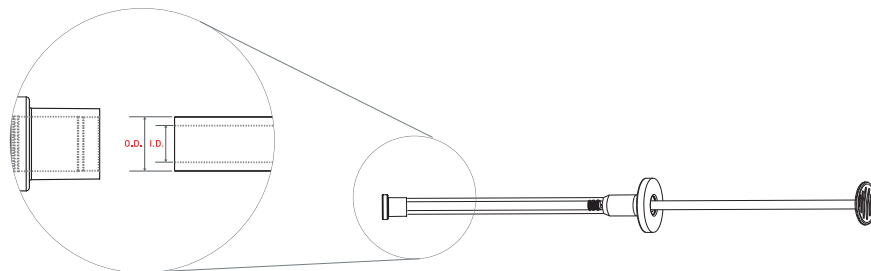
■ OSTEON™ Sinus

Type	REF	Particle Size	Volume
Syringe	GBG 0510SS-05	0.5~1.0mm	0.5cc
	GBG 1020SS-05	1.0~2.0mm	

■ OSTEON™ Lifting

Type	REF	Particle Size	Volume
Syringe	GBG 0305LS-02	0.3~0.5mm	0.25cc
	GBG 0510LS-02	0.5~1.0mm	

■ Syringe



Product	O.D.	I.D.
OSTEON™ Sinus	Ø 7.0mm	Ø 5.0mm
OSTEON™ Lifting	Ø 5.0mm	Ø 3.4mm

O.D. : Syringe outer diameter

I.D. : Syringe inner diameter

■ Instruction for OSTEON™ Sinus & Lifting

- | | |
|---|--|
| <p>① Slightly retract the plunger on syringe and gently tap on syringe and gently tap to loosen particle, then gently push plunger back into place.</p> | <p>② Place syringe into sterile dappen dish and retract plunger to draw liquid into syringe.</p> |
| <p>③ To facilitate delivery, OSTEON™ should be wetted and loosened sufficiently.</p> | <p>④ Expel excess liquid by pushing plunger gently.</p> |
| <p>⑤ When hydrated, OSTEON™ is easily expelled from the syringe. Before injecting OSTEON™, separate cap from the syringe.</p> | <p>⑥ Deliver OSTEON™ directly in the surgical site with the syringe.</p> |



Terms and Conditions of Sale

The followings are the terms and conditions under which Dentium USA sells its products.

Governing Terms.

Any shipment of products shall be deemed to be on the terms and conditions stated herein. Any and all terms and conditions submitted by Purchaser are hereby rejected.

Taxes.

The prices set forth herein do not include any sale, use, excise, ad valorem, property or other taxes applicable to the sale, use or delivery of the products, all of which shall be paid by Purchaser separately or added to the contract price and paid by Purchaser to Dentium USA.

Pricing.

The prices set forth for the products are in United States Dollars.
Prices are subject to change without notice.

Payment.

Payment terms shall be as set forth under the "Terms" section on front of invoice.

Delivery.

Products sold hereunder shall be delivered F.O.B. manufacturer's plant or distributor's plant, as applicable. Purchaser shall assume responsibility for all subsequent delivery or shipping charges.

Warranty.

Dentium USA or any of its affiliates makes no warranty, express or implied, except that its products shall be free from defects in material and workmanship. This warranty applies only to the original Purchaser and is non-transferable. In the event of a product defect, please immediately notify to Dentium USA of the defect prior to returning the product. Devices shall be sterilized prior to return. As its sole obligation and as Purchaser's sole remedy under this warranty, Dentium USA will at its option, either repair, replace or issue credit for such product. Purchaser assumes all risks and liability resulting from the use of these products, whether used separately or in combination with other products.

Education; Modification of products.

Dentium USA strongly recommends completion of formal post graduate implant education and strict adherence to the procedures described in Dentium USA's implant instruction manuals. Dentium USA continuously strives to improve its products and therefore reserves the right to improve, modify or discontinue products at any time, or to change specifications of the products without notice and without incurring any obligation.

Return policy:

A Purchaser may return any Dentium USA product within 90 days of the invoice date. Dentium USA products returned within 30 days of the invoice date will be accepted without any restocking fee to the Purchaser. Dentium USA products returned between 31 and 90 days of invoice date will be subjected to 15% re-stocking fee.
No returns over 90 days from invoice date. To return an item, contact your local sales representative or call Dentium USA Customer Service Department for Return Material Authorization (RMA) number. RMA number does not guarantee that the product will be accepted for return. No product returns will be accepted without RMA number. Dentium USA product will be accepted for return only if the Dentium USA product is (1) returned in its original, unopened package (including auto-clavable products); (2) received by Dentium USA within 90 days after the invoice date for that product; and (3) returned freight prepaid and accompanied by the Dentium USA RMA number. (4) implants and prosthetic parts being returned for credit or exchange must have at least a 6 month shelf life remaining. Individual items from a kit cannot be returned for credit.
Previously exchanged items cannot be returned for credit. Please do not give any item(s) to be returned to your local Sales Representative. All products must be sent directly to Returns Department of Dentium USA. Procedures and policies as stated are subject to change without prior notice.

Terms and Conditions of Sale

Exchange Policy.

Dentium USA products may be exchanged within 180 days of the invoice date, without a re-stocking fee, for other Dentium USA products of equal or lesser value within the same product family as determined by Dentium USA (ex. implant for implant, abutment for abutment, bone graft material for bone graft material). Dentium USA products may be exchanged within 180 days of the invoice date for other Dentium USA products of greater value within the same product family as determined by Dentium USA (ex. implant for implant, abutment for abutment, bone graft material for bone graft material) with the price differential paid by the Purchaser. In both cases, the exchanged Dentium USA product must be (1) returned in its original, unopened package (including autoclavable products); (2) a currently offered Dentium USA product (discontinued product not included); (3) returned freight prepaid and accompanied by the Dentium Return Material Authorization number provided by Dentium USA's Customer Service Department.

Licenses, permits and export control.

The timely securing of permits, licenses or other local, state or federal governmental approvals required in connection with Purchaser's use of any products hereunder shall be the sole responsibility of Purchaser and Purchaser shall bear the cost thereof. Unless otherwise agreed between Dentium USA and Purchaser, products sold hereunder are only for use in the United States. Purchaser agrees that Purchaser will comply fully with all applicable state and federal laws and regulation and Purchaser shall indemnify Dentium USA for all losses, damages and penalties incurred as a result of any violation of applicable state or federal law or regulations.

Force Majeure.

Dentium USA shall not be liable for any loss or damage due to failure or delay arising out of any cause beyond the reasonable control of Dentium USA. In the event of any failure or delay resulting from such causes, an equitable adjustment of delivery and any other appropriate terms and conditions shall be made. No such failure or delay shall be the basis for an increase in neither Dentium USA's obligations nor any termination by Purchaser.

Limitation of Liability.

Except for the warranty expressly described in "Warranty" paragraph above, neither Dentium USA nor any of its affiliates makes any other warranty with respect to the Dentium USA products, express or implied, written oral including, without limitation, any implied with warranty of merchantability, or a warranty of fitness for a particular purpose. Neither Dentium USA nor any of its affiliates shall be liable for business interruption, loss of profits, special, indirect, incidental or consequential damages of any nature and from any cause whether based in contract, tort (including negligence) or other legal theory, even if Dentium USA or any of its affiliates has been advised of the possibility of such damages.

Validity.

If any provision of these Terms and Conditions, is found to be illegal or unenforceable in any respect, such illegality or unenforceability shall not affect any other provision of these Terms and Conditions, all of which shall remain enforceable in accordance with their terms.

General Provisions.

The purchase of the products and these Terms and Conditions are governed by the laws of California, without regard to conflicts of law principles. This document incorporates all oral and written representations between the parties and constitutes the entire agreement and understanding of the parties with respect to the subject matter hereof and supercedes any and all other agreements either oral or written between the parties with respect to such subject matter. No amendment or modification may be made to this document unless in writing and duly executed by an authorized representative of Dentium USA.

Caution.

Federal (U. S.) Law restricts these devices to sale by or on the order of a licensed healthcare practitioner. Devices labeled "Sterile" are certified to be sterile unless package is opened or damaged.

Patent Notice.

Dentium USA products are protected by patents issued by the United States of America and other countries.

Dentium USA Customer Service

Monday - Friday 8:30 am -5:30 pm (PST)

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DentiumUSA
Developed by Clinicians for Clinicians

SuperLine[™] & IMPLANT[®]

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Specifications are subject to change without prior notice.

Some products to be launched in the market after necessary approvals are also listed in this catalog.

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