



SlimLine

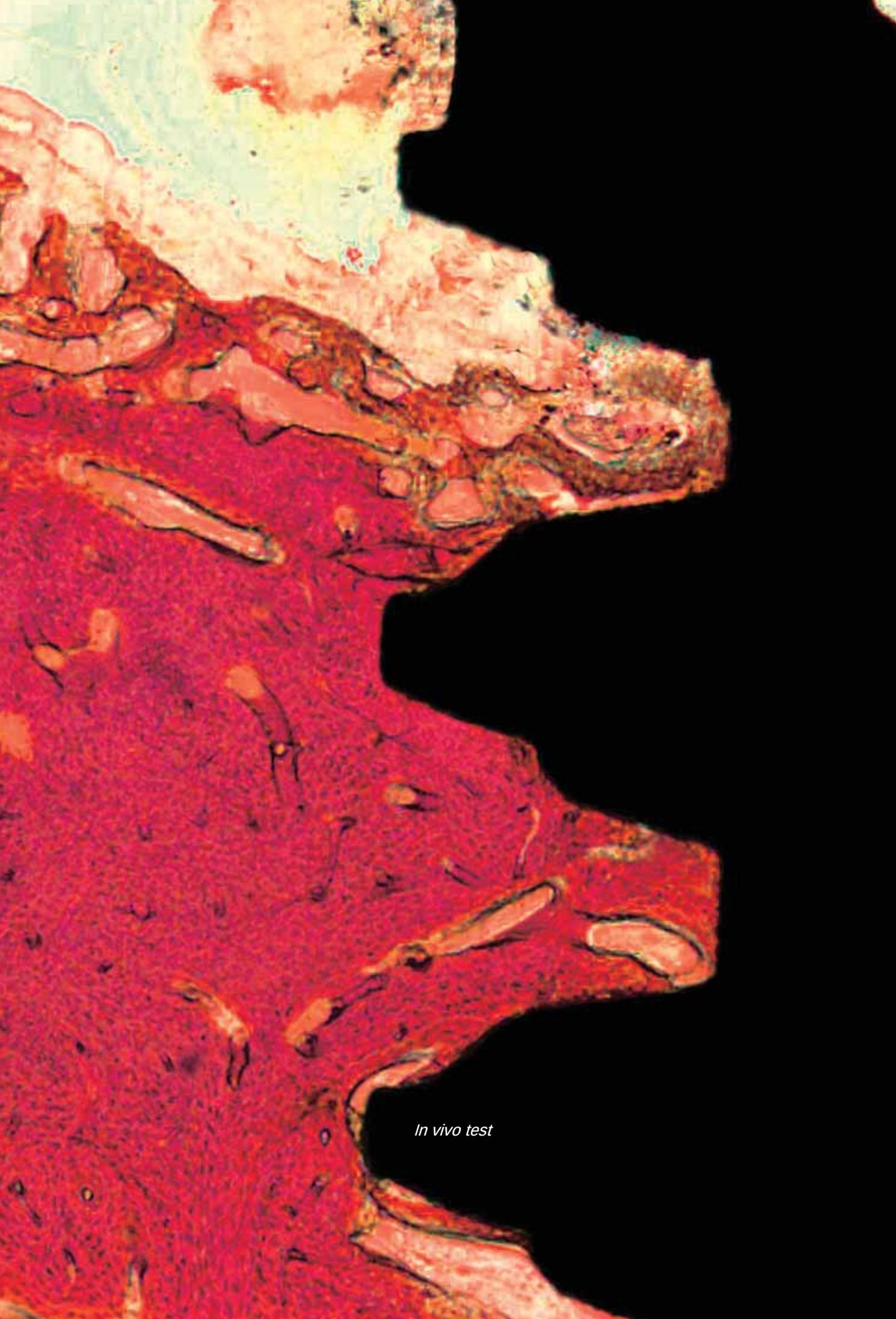
Product Catalog / Manual

Dentium
For Dentists By Dentists

Dentium
For Dentists By Dentists

Contents

Introduction	
S.L.A. Surface	04
SlimLine Characteristics	06
SlimLine Fixture	08
Prosthetic Procedure	10
Denture Components	11
Dual Abutment (Fix Type)	12
Angled Abutment (Fix Type)	13
Abutment Level Impression Components	14
Instruments	
Surgical Kit	15
Drill	16
Instrument	16
Surgical Manual	
Surgical Drill Sequence	18
Surgical Process	19
Prosthesis Manual	
Prosthetic Process	20
Prosthetic Manual	21
Prosthetic Manual - Indirect	22
Prosthetic Manual - Direct	23



In vivo test

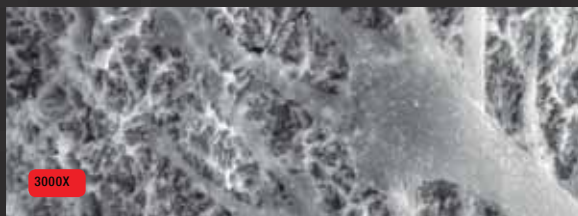
S.L.A. Surface

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

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

Human osteoblast

- Well attached and proliferated human osteoblasts.



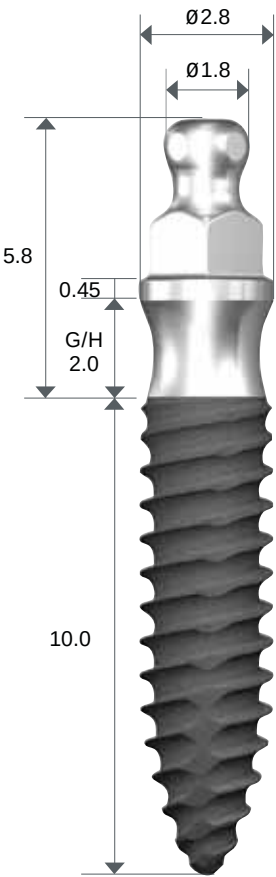
SlimLine Characteristics

Unit: mm

One Body Design

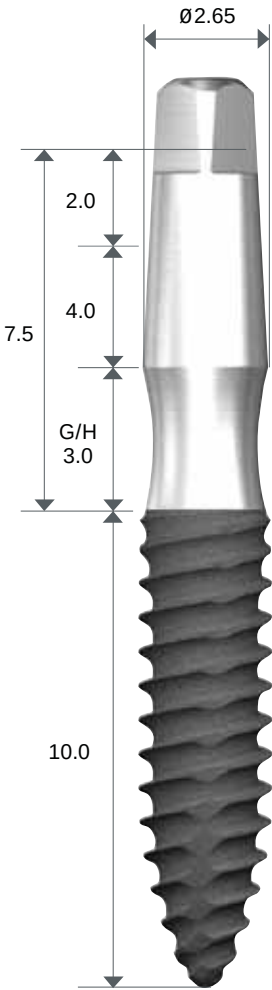
- S.L.A. surface enables immediate or early loading
- Mini ball (Ø1.8) & metal socket make denture production easy
- Wide range of choice for prosthetic options

Mini Ball Type



IBS282010

Fix Type

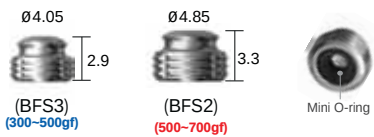


IUS283010

SlimLine Characteristics

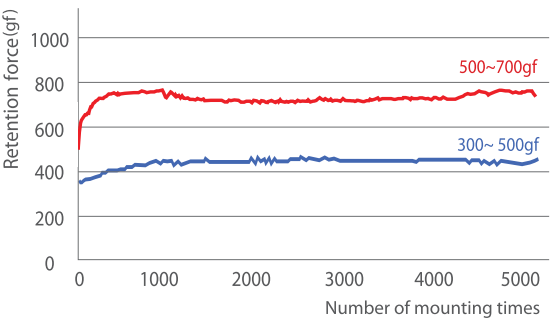
Unit: mm

Denture System

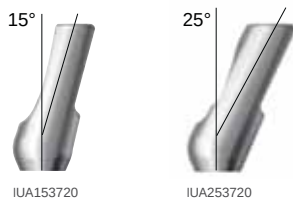


- Mini ball size (Ø1.8)
- Mini o-ring type denture socket
- Minimal-size denture socket
- Mini o-ring are replaceable

Mini O-Ring Retention Force



Angled Abutment

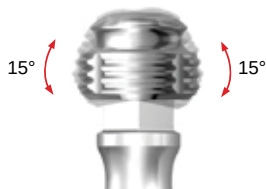


- Slanted implanting is possible with the combination of angled abutment (15°, 25°).
- Cement the final restoration onto the abutment.



Selecting direction is easy due to the Octa 45° rotation angles.

Tilting Angle



Up to ±15 degrees of tilting angles to accommodate the pathway of the implant.

Double Thread Design

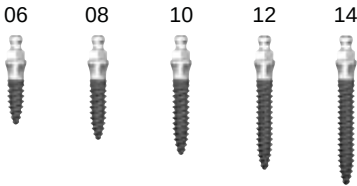
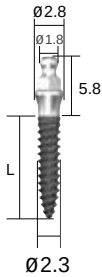
- Increased thread height helps strengthen the initial stability.
- Double threading helps decrease the chair time of implantation.

Mini Ball Type Fixture

Unit: mm, Scale 1 : 1 / mm

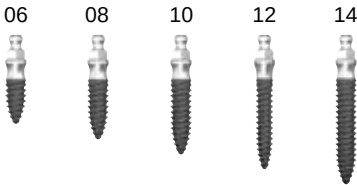
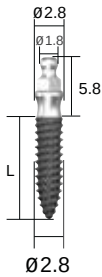
Body Ø2.3

L	Art. No.
06	IBS 23 20 06
08	IBS 23 20 08
10	IBS 23 20 10
12	IBS 23 20 12
14	IBS 23 20 14



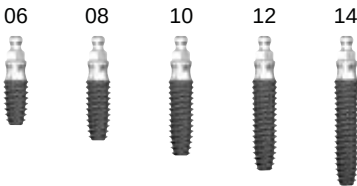
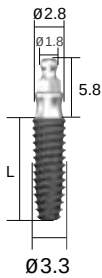
Body Ø2.8

L	Art. No.
06	IBS 28 20 06
08	IBS 28 20 08
10	IBS 28 20 10
12	IBS 28 20 12
14	IBS 28 20 14



Body Ø3.3

L	Art. No.
06	IBS 33 20 06
08	IBS 33 20 08
10	IBS 33 20 10
12	IBS 33 20 12
14	IBS 33 20 14

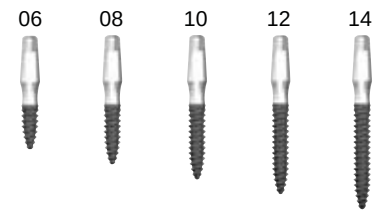
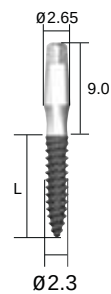


Fix Type Fixture

Unit: mm, Scale 1 : 1 / mm

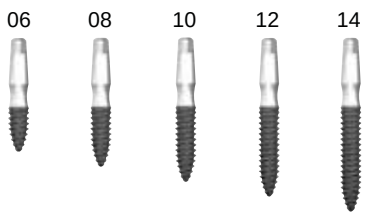
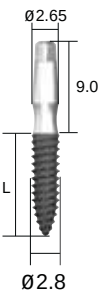
Body Ø2.3

L	Art. No.
06	IUS 23 30 06
08	IUS 23 30 08
10	IUS 23 30 10
12	IUS 23 30 12
14	IUS 23 30 14



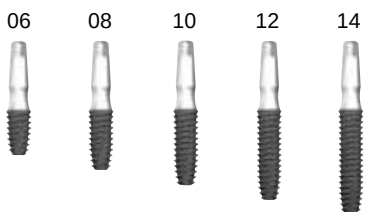
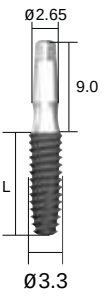
Body Ø2.8

L	Art. No.
06	IUS 28 30 06
08	IUS 28 30 08
10	IUS 28 30 10
12	IUS 28 30 12
14	IUS 28 30 14



Body Ø3.3

L	Art. No.
06	IUS 33 30 06
08	IUS 33 30 08
10	IUS 33 30 10
12	IUS 33 30 12
14	IUS 33 30 14



Prosthetic Procedure

Impression Technique and Restoration Selection



Mini Ball Type
Ø2.3 / Ø2.8 / Ø3.3
Page 08



Impression Coping
Ø3.8
Page 11



Analog
Page 11



Socket Spacer
Page 11



Denture Socket
300~500gf / 500~700gf
Ø4.05 / Ø4.85
Page 11



Mini O-ring
Page 11



Fix Type
Ø2.3 / Ø2.8 / Ø3.3
Page 09



Impression Coping
Ø3.8
Page 11



Analog
Page 11



Dual Abutment
Ø3.5 / Ø4.5
Page 12



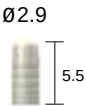
Angled Abutment
15° / 25°
Page 13

Denture Components

Unit: mm, Scale 1 : 1.5 / mm

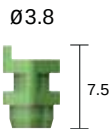
Comfort Cap

Art. No.	ICC
----------	-----



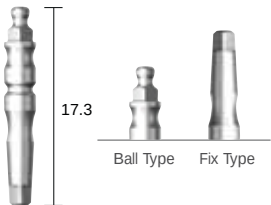
Impression Coping

Art. No.	ICA
----------	-----



Analog

Art. No.	IANF2015
----------	----------



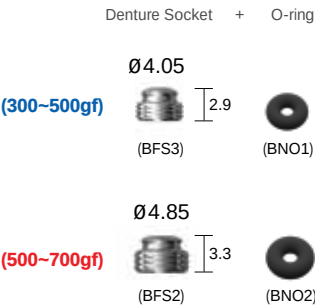
Socket Spacer

Art. No.	BIC3L
----------	-------



Female Socket

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



Dual Abutment [Fix Type]

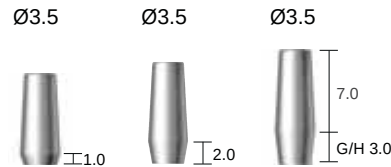
Unit: mm, Scale 1 : 1.5 / mm



IUDA3520 and IUS283010

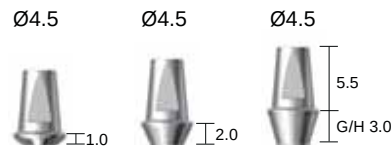
Diameter Ø3.5

G/H	H	Art. No.
1.0	7.0	IUDA 35 10
2.0	7.0	IUDA 35 20
3.0	7.0	IUDA 35 30



Diameter Ø4.5

G/H	H	Art. No.
1.0	5.5	IUDA 45 10
2.0	5.5	IUDA 45 20
3.0	5.5	IUDA 45 30



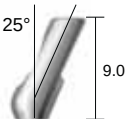
Angled Abutment [Fix Type]

Unit: mm, Scale 1 : 1.5 / mm



IUA153720 and IUS283010

Angled	Art. No.
15°	IUA 15 37 20
25°	IUA 25 37 20



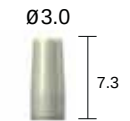
Abutment Level Impression Components

Fix Type Fixture

Unit:mm, Scale 1: 1.5 / mm

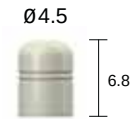
Comfort Cap

Art. No.	FCC
----------	-----



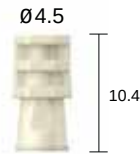
Comfort Cap

Art. No.	CCC45C
----------	--------



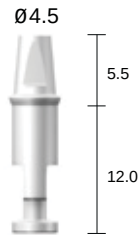
Impression Coping

Art. No.	CIC45L
----------	--------



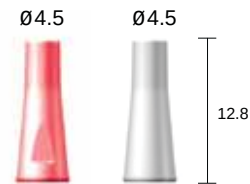
Lab Analog

Art. No.	CAN45LL
----------	---------

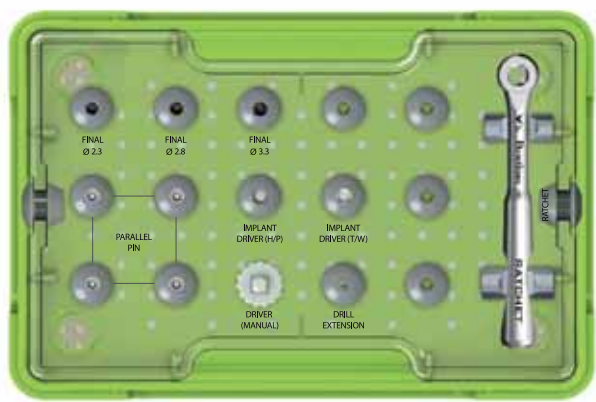


Burn-out Cylinder

Type	Art. No.
Single	CBC45SL
Bridge	CBC45BL



Surgical Kit



SlimLine Surgical Kit

XSLS

Kit includes

				
XFDS 23 35	XFDS 28 35	XFDS 33 35		
				
XPP 23 28 43	XPP 23 28 43	IPST 25 H	IPST 25 W	
				
XPP 23 28 43	XPP 23 28 43	XHDHT	XDE	XRCA1

Drill / Instrument

Unit: mm, Scale 1 : 1 / mm



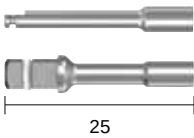
Final Drill

Diameter	L	Art. No.
Ø1.75	35	XFDS 23 35
Ø2.35	35	XFDS 28 35
Ø2.90	35	XFDS 33 35



Implant Driver

Type	Art. No.
Hand-piece	IPST 25 H
Ratchet	IPST 25 W



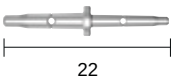
Driver

Type	Art. No.
Manual	XHDHT



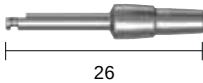
Parallel Pin

XPP 232843



Drill Extension

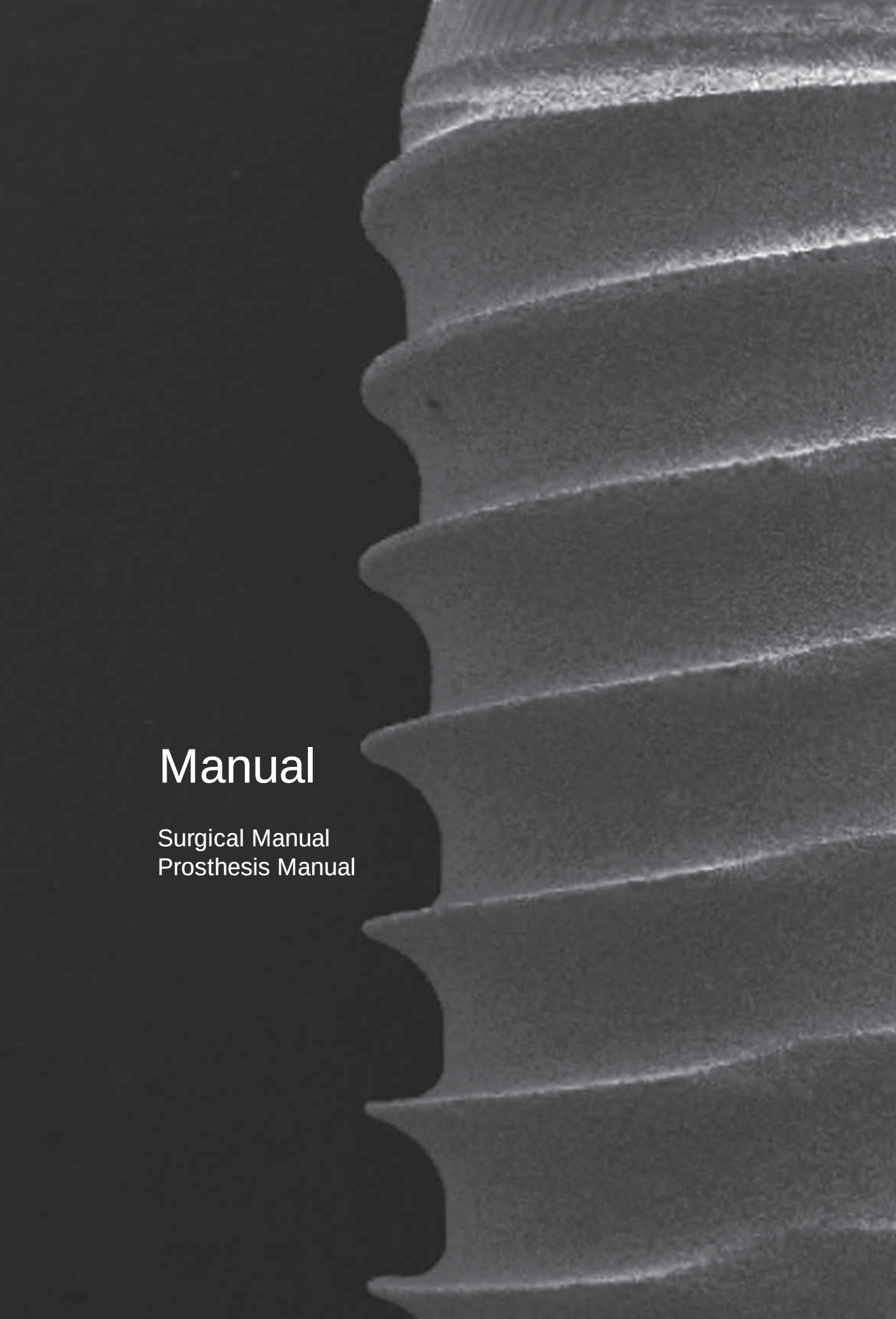
XDE



Ratchet

XRCA1





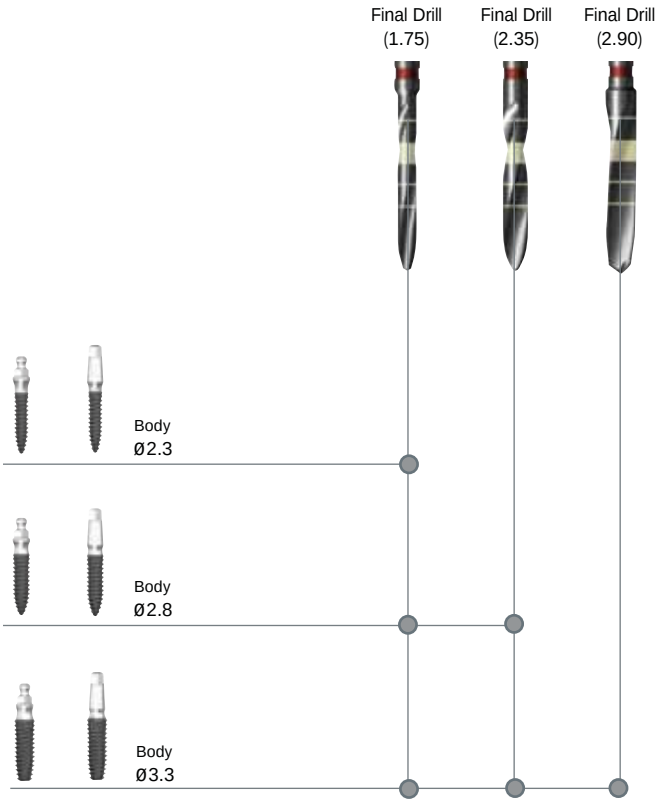
Manual

Surgical Manual
Prosthesis Manual

Surgical Drill Sequence

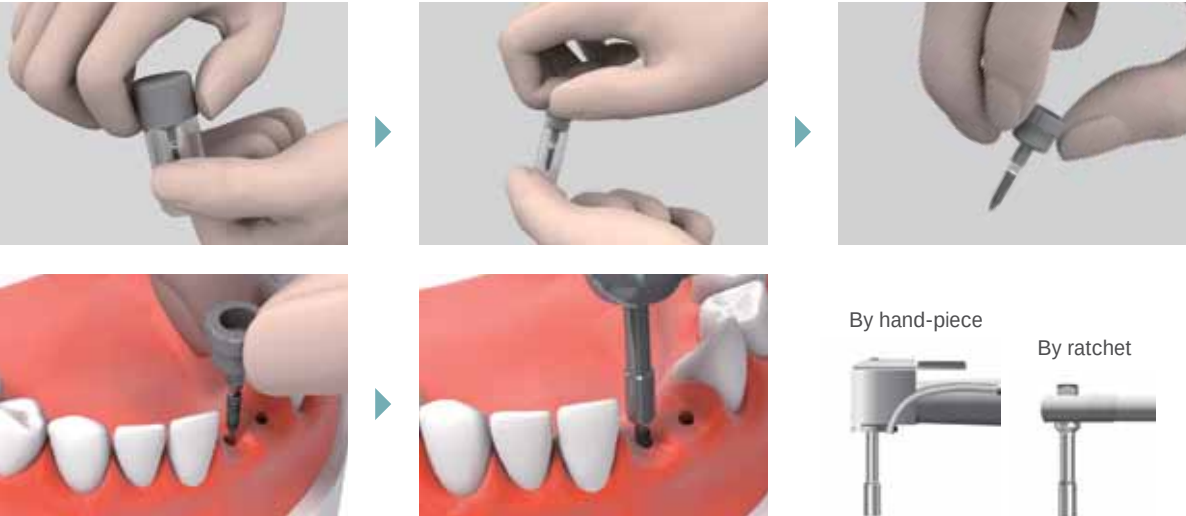
Drilling Sequence Guide

· Final Drill: 1,000rpm / 30~45N·cm



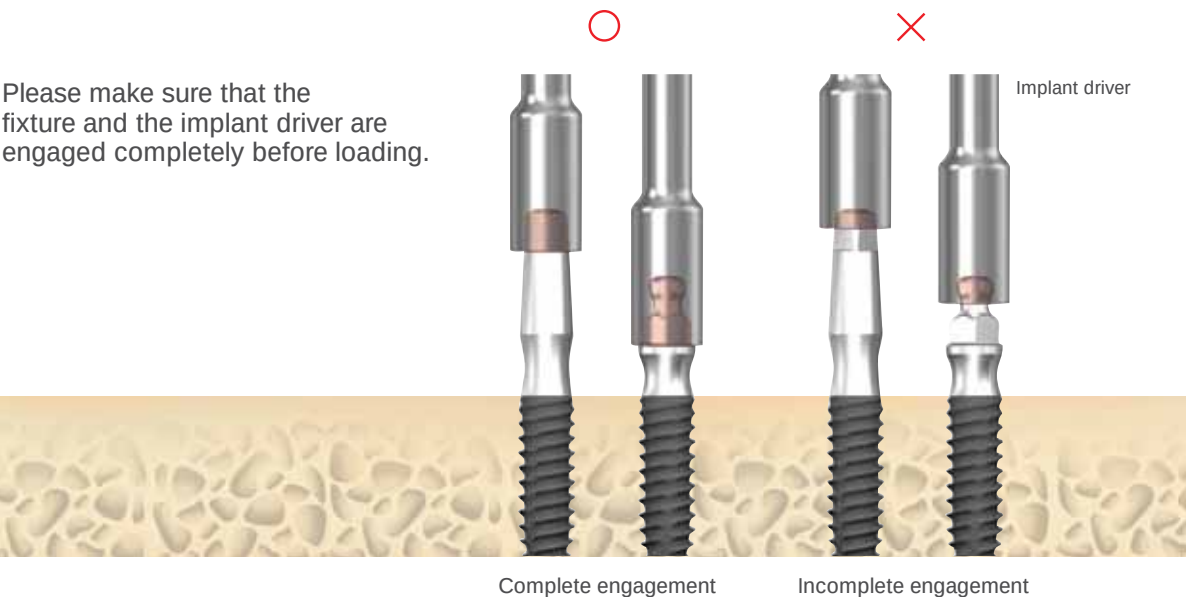
Surgical Process

Implantation Process:



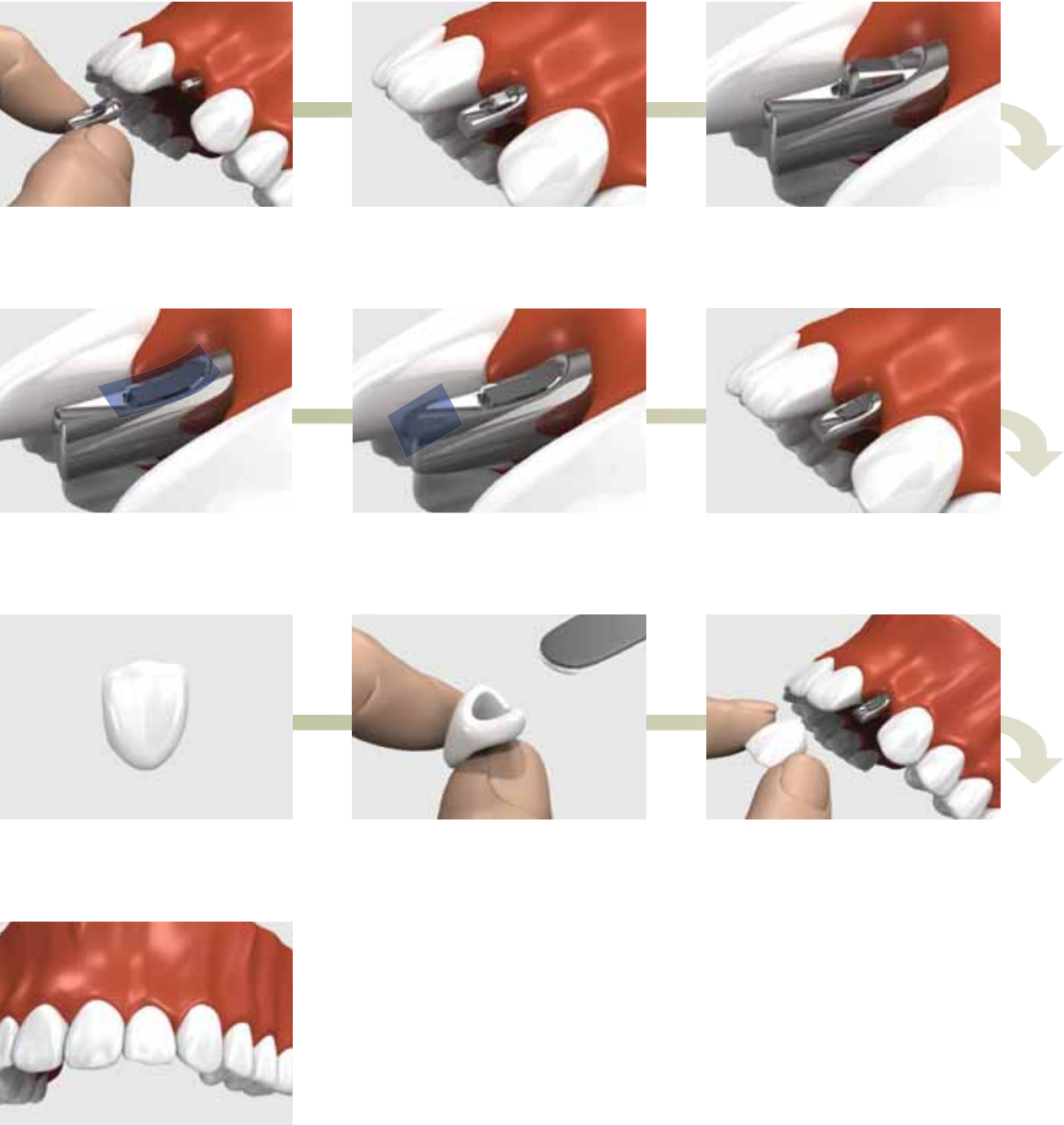
Use the cap to start the implantation of the fixture. When the linkage between the cap and fixture deforms after reaching 5N·cm of tightening force, remove the disengaged cap and continue implantation using the MF tool in the surgical kit.

Please make sure that the fixture and the implant driver are engaged completely before loading.



Prosthetic Process

Fix Type Angled Abutment Cementation:



Prosthetic Manual

Ball Type Fixture

Chairside



SlimLine mini ball type fixture.



Fixture installation.



Produce the individual tray for denture impression



Affix the impression coping on the mini ball type fixture.



Apply the impression material.



Take the final impression with the prepared individual tray.



Remove the tray from the patient's mouth.

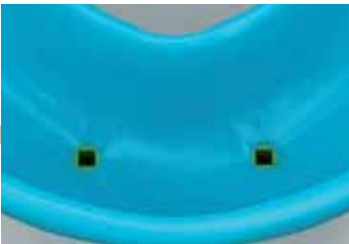


Image of the set final impression (with impression coping).



Ball analog

Lab Side



Insert analogs into the coping embedded in impression.



Create the master model.

Prosthetic Manual - Indirect

Indirect

Lab Side



Socket spacer.



Fabrication of the denture with conventional method.



Secure spaces for the female sockets.



Assemble the female sockets onto the ball analogs that are embedded in the master model.



Apply the resin to the secured area.



Position the denture on the master model and wait for it to set completely.



Female sockets are placed in the denture.



Polish the denture.



Denture delivery.

Chairside

Prosthetic Manual - Direct

Direct

Lab Side



Socket spacer.



Fabrication of the denture with conventional method.



Secure spaces for the female sockets.

Chairside



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



Apply the resin to the secured area.



Position the denture in the intraoral and wait for it to set completely.



Female sockets are placed in the denture.



Polish the denture.

DENTIUM LONG-TERM CLINICAL DATA

2002

2003

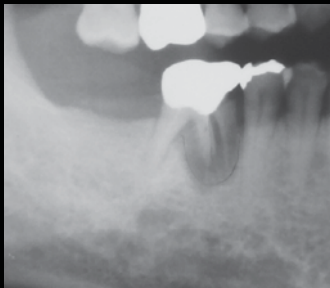
2004

2005

2006

2007

2008



2002. 05. 17
Pre-op



2002. 09. 04
Post-op



2003. 03. 15
Final prosthesis

Dentium

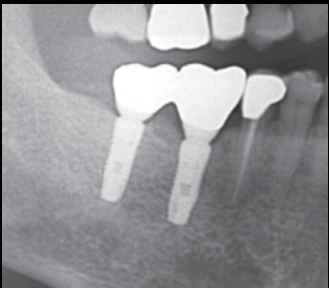
For Dentists By Dentists

2009 2010 2011 2012 2013 2014 2015

11 YEARS



2008. 04. 14
5 years



2013. 12. 05
11 years



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

Dentium
For Dentists By Dentists

Dentium
For Dentists By Dentists

SlimLine

Product Catalog / Manual

Dentium
For Dentists By Dentists

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

HEAD OFFICE

504 Gyeonggi R&DB Center, 105 Gwanggyo-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea [443-270]

T +82-31-888-5441 **F** +82-31-888-5430

E-mail biz_mail@dentium.com / www.dentium.com

SPMC-1503 [Rev.1]

