# bright

## Implant Catalog

**Bone** Level

Tissue Level

Dentium

# Contents

#### Fixture

Tissue Level	 3
Bone Level	 7

#### Abutment

Abutment Procedure Line-up	11
Tissue Level Abutment	15
Bone Level Abutment	19

#### Overdenture

Overdenture Procedure Line-up	25
Tissue Level Overdenture	27
Bone Level Overdenture	29

Surgical Kit		31
--------------	--	----



# Tissue Level

#### 20 External Taper Connection High-stability

High-stability conical seal effect

#### Narrow Implant Concept

Minimal drilling and GBR Minimal Invasion

## Ø3.8mm Single-Platform

Prosthetics with excellent emergency profile for anterior and posterior

1.5mm



## **Aggressive Thread**

Strong initial stability for early bone application

### High compressive strength

Small diameter implant without concern for fracturing



\* Caution : heavy bruxer or hard food bite



Ø2.0, 2.5, 3.0 implant can be used to anterior narrow ridge



Ø3.5 implant can be used to molar area

# **Tissue** Level Fixture Specifications

 $\cdot$  Cover screw is not included in the package



#### **Common Feature**

• Single Platform (Ø3.8mm)

Unit: mm

- Gingival Height : 1.5mm
- Mountless Type

	Cap Color	Pink	Sky blue	Gray	Yellow	Green	Blue	Red
А	Platform Diameter				3.8			
В	Body Diameter	2.0	2.5	3.0	3.5	4.0	4.5	5.0
С	Gingival Height				1.5			
D	Thread Length		7.	0 / 9.0	/ 11.0 / 1	3.0 / 15.	0	
Е	Thread Depth	0.15	0.30	0.45	0.50	0.55	0.60	0.60

	Unit:mm			
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø2.0	7.0 7.0 9.0 11.0 13.0 15.0	NTI382007B NTI382007 NTI382009 NTI382011 NTI382013 NTI382015	
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø2.5	7.0 7.0 9.0 11.0 13.0 15.0	NTI382507B NTI382507 NTI382509 NTI382511 NTI382513 NTI382515	
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø3.0	7.0 7.0 9.0 11.0 13.0 15.0	NTI383007B NTI383007 NTI383009 NTI383011 NTI383013 NTI383015	
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø3.5	7.0 7.0 9.0 11.0 13.0 15.0	NTI383507B NTI383507 NTI383509 NTI383511 NTI383513 NTI383515	
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø4.0	7.0 7.0 9.0 11.0 13.0 15.0	NTI384007B NTI384007 NTI384009 NTI384011 NTI384013 NTI384015	
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø4.5	7.0 7.0 9.0 11.0 13.0 15.0	NTI384507B NTI384507 NTI384509 NTI384511 NTI384513 NTI384515	
Platform	Body	Thread Length	Art. No.	
Ø3.8	Ø5.0	7.0 7.0 9.0 11.0 13.0 15.0	NTI385007B NTI385007 NTI385009 NTI385011 NTI385013 NTI385015	



Tissue Level

# Bone Level

7

# **10°**

## Morse Taper

Strong connection to prevent screw loosening

# **3.7mm** Deep Connection

Effective stress distribution



#### **Aggressive Thread**

Strong initial stability for early bone application

# **Deep & Strong**

#### Fixture-Abutment Contact Area





# **Bone** Level Fixture Specifications

· Cover screw is not included in the package



	Cap Color			X	×	×
		Yellow	Green	Blue	Red	Orange
A	Platform Diameter	3.5	3.8	4.3	4.8	6.0
В	Body Diameter	3.7	4.0	4.5	5.0	5.0
				2.0		
С	Bevel Height	0	0.06	0.20	0.32	0.66
D	Total Length	7.0 / 9.0 / 11.0 / 13.0 / 15.0				
Е	Thread Depth	0.35	0.40	0.45	0.50	0.50
F	Abutment Interface			3.3		

Unit: mm

Fixture 10

					Unit : mm	
F	Platform	Body	Bevel Length	Total Length	Art. No.	
				7.0	BFX3507BS	
	Ø3.5 Ø3.7		0	Ø27 0	7.0	BFX3507
		Ø27			9.0	BFX3509
		0	11.0	BFX3511		
				13.0	BFX3513	
			15.0	BFX3515		

2.0 [ 7.0 [ 7.0 [ 9.0 ] 11.0 ] 13.0 ] 15.0

Platform	Body	Bevel Length	Total Length	Art. No.
Ø3.8	Ø4.0	0.06	7.0 7.0 9.0 11.0 13.0 15.0	BFX4007BS BFX4007 BFX4009 BFX4011 BFX4013 BFX4015

Platform	Body	Bevel Length	Total Length	Art. No.
Ø4.3	Ø4.5	0.20	7.0 7.0 9.0 11.0 13.0 15.0	BFX4507BS BFX4507 BFX4509 BFX4511 BFX4513 BFX4515

Platform	Body	Bevel Length	Total Length	Art. No.
Ø4.8	Ø5.0	0.32	7.0 7.0 9.0 11.0 13.0 15.0	BFX5007BS BFX5007 BFX5009 BFX5011 BFX5013 BFX5015

ł	Platform	Body	Bevel Length	Total Length	Art. No.
	Ø6.0	Ø5.0	0.66	7.0 7.0 9.0 11.0 13.0 15.0	BFX6007BS BFX6007 BFX6009 BFX6011 BFX6013 BFX6015







## Procedure Line-up





# Accurate Stitching

- Digital Abutment
- Ti-Base





#### **B.T.S** Bite Tray Impression Scanning



Scan abutment connection



Putty + light body impression



Impression with model scanner



Prosthesis design



**IOS** Intra Oral Scanning



Scan abutment connection



Impression with intraoral scanner



Final setting

Final setting

## **Digital Abutment**



From healing to final prosthetics, it's solved with only one abutment



Angled hex driver allows engagement tilted up to 15°

## Ti-Base

			Unit: mm
Diameter	G/H	Туре	Art. No.
	0.5	Hex Non–Hex	BDDC3805HO BDDC3805NO
Ø3 <b>.</b> 8	1.0	Hex Non–Hex	BDDC3810HO BDDC3810NO
	2.0	Hex Non–Hex	BDDC3820HO BDDC3820NO
ØF 0	1.0	Hex Non–Hex	BDDC5010H BDDC5010N
Ø5 <u>.</u> 0	2.0	Hex Non—Hex	BDDC5020H BDDC5020N



 $\, \times \,$  Both 'Bite Tray impression Scan' and 'Intra Oral Scan' are available

- \* Less than 30N cm torque to prevent screw fracture
- ※ Ø3.8 is for anterior

ℜ Ø5.0 is for posterior

## **Digital Abutment**

				Unit: mm
Diameter	Height	G/H	Туре	Art. No.
		0.5	Hex Non–Hex	BDSC3805H BDSC3805N
Ø3 <u>.</u> 8	4.5	1.0	Hex Non <del>-</del> Hex	BDSC3810H BDSC3810N
		2.0	Hex Non–Hex	BDSC3820H BDSC3820N
		1.0	Hex	BDSC5010H
Ø5.0	4.5		Hex	BDSC5010N

BSRS16T (Included)

 $\, \times \,$  Both 'Bite Tray impression Scan' and 'Intra Oral Scan' are available

Non-Hex

BDSC5020N

\* Less than 30N cm torque to prevent screw fracture

2.0

※ Ø3.8 is for anterior

∗ Ø5.0 is for posterior

## Scan Comfort Cap



 $\, \times \,$  Both 'Bite Tray impression Scan' and 'Intra Oral Scan' are available

\* Keep the 10N·cm torque to tighten with fixture

\* Only non-Hex

## **Ti-Temporary Abutment**







\* Less than 30N cm torque is enough for screw tightening

Туре

Non-Hex

 $\,$   $\! \times \,$  Caution : sometimes with too much higher torque, screw can be broken

## Ti-Blank

G/H

1.0

3.0

			Unit: mm
Machine	Diameter	Туре	Art. No.
Dontium	Ø10.0 Ø14.0	Hex	TBTB3810H TBTB3814H
Dendum	Ø10.0	Non–Hex	TBTB3810N
	01110		1010001111
			Unit: mm
Machine	Diameter	Туре	Art. No.
	Ø10 <u>.</u> 0	Hoy	TDTB3810H
Doowon	Ø14 <u>.</u> 0	nex	TDTB3814H
Doowon	Ø10 <u>.</u> 0	Non-Hex	TDTB3810N
	Ø14 <u>.</u> 0		TDTB3814N

Unit: mm

Art. No.

BSTC4510TN

BSTC4530TN

 $\, \times \,$  After finish processing, use exclusive abutment

\* Diverse connection to diverse metal milling machine for custom abutment

## **Impression Component**

Impression coping Pick-up Unit: mm				
Application	Diameter	Туре	Art. No.	
Ø2 8	Ø3 <u>.</u> 8	Single Bridge	BSPU3838S BSPU3838B	
o <u></u> د <i>ب</i>	Ø5.0	Single Bridge	BSPU3850S BSPU3850B	

Impression cop	bing Screw	Unit: mm
Туре	Height	Art. No.
Pick—up	14.3	BSPS09

Туре

Single

Bridge

Single

Bridge

Impression coping Transfer

Diameter

Ø3.8

Ø5.0

Application

Ø3.8

			and the second second
Bingle	Bridge	Single	Br

ų

1 I





Tissue Level





























Hex







BSTF3850B

Art. No. BSTF3838S

BSTF3838B

BSTF3850S

Unit: mm

Impression coping Screw Unit				
Туре	Height	Art. No.		
Transfer	8.7	BSTS09		

#### Lab Analog

Lab Analog Unit: m		
Diameter	Height	Art. No.
Ø3 <b>.</b> 8	12.0	BSDAN

#### Unit: mm O G/H Diameter Art. No. Туре 10.0 Hex BDDA3815HO 1.5 6.0 Non-Hex BDDA3815N G/Н İ Hex BDDA3825HO Ø3<u>.</u>8 2.5 Non-Hex BDDA3825N Hex BDDA3835HO 3.5 Non-Hex BDDA3835N Hex BDDA5025H 10.0 2.5 6.0 Non-Hex BDDA5025N Ø5.0 G/H Hex BDDA5035H 3.5 Non-Hex BDDA5035N

 $\, \times \,$  Both 'Bite Tray impression Scan' and 'Intra Oral Scan' are available

 $\,$   $\!$   $\,$  Less than 30N cm torque to prevent screw fracture

% Ø3.8 is for anterior

**Ti-Base** 

\* Ø5.0 is for posterior

## **Digital Abutment**

			Unit: mm
Diameter	G/H	Туре	Art. No.
	1.0	Hex Non <del>-</del> Hex	BDS3810H BDS3810N
Ø3.8	2.0	Hex Non <del>-</del> Hex	BDS3820H BDS3820N
	3.0	Hex Non–Hex	BDS3830H BDS3830N
ØE 0	2.0	Hex Non—Hex	BDS5020H BDS5020N
0 <u>.</u> c	3.0	Hex Non–Hex	BDS5030H BDS5030N



 $\, \times \,$  Both 'Bite Tray impression Scan' and 'Intra Oral Scan' are available

 $\,$   $\!$  Less than 30N cm torque to prevent screw fracture

※ Ø3.8 is for anterior

\* Ø5.0 is for posterior

BASC1619 (Included)

BASC1619

(Included)

## **Healing Component**

Healing Abutment

Diameter

Ø3.8

Ø5.0

Ø6.2

Cover Screw	Unit: mm
Diameter	Art. No.
Ø3.6	BCS36

G/H

1.5

2.5

3.5

1.5

2.5

3.5

1.5

2.5

3.5

Height

2.5

5.5

8.5

2.5

5.5

8.5

2.5

5.5

8.5



\* Use no more than 10 N·cm of torque when screwing Healing Abutment to a fixture

Unit: mm

Art. No.

BHAB381525

BHAB382555 BHAB383585

BHAB501525

BHAB502555

BHAB503585

BHAB621525

BHAB622555

BHAB623585

\* If hex is worn, slot on the head of the product can be used to rotate it

\* Non-Hex healing abutment can be used for 'Bite Tray impression' and 'Intra Oral Scan'

## **Screw Abutment**

Diameter G/H Art. No.			Unit: mm
	Diameter	er G/H	Art. No.
1.0 BSA3810   Ø3.8 2.0 BSA3820   3.0 BSA3830	Ø3 <u>.</u> 8	1.0 2.0 3.0	BSA3810 BSA3820 BSA3830

1.5 20 2	o] 20° 3.	0	
V	Y		h

\* Less than 20N·cm torque is enough for screw tightening

## **Angled Screw Abutment**

				Unit: mm						
Diameter	Angle	G/H	Туре	Art. No.	10 T			12	1	
Ø3.8	15°	1.0 2.0 3.0	Hex	BASA381510H BASA381520H BASA381530H	I.0	7(	] 2.0			]3.0
00.0	15	1.0 2.0 3.0	Non–Hex	BASA381510N BASA381520N BASA381530N				1	Ĥ	

BAOSC1619

(Included)

\* Less than 20N·cm torque to prevent screw fracture

\* Non-hex angled screw abutment due to 10° deep and broad connection to prevent rotation

(Included)

## **Ti-Temporary Abutment**



\* Less than 20N cm torque is enough for screw tightening

\* Caution : sometimes with too much higher torque, screw can be broken

## Ti-Blank



\* After finish processing, use exclusive abutment

\* Diverse connection to diverse metal milling machine for custom abutment

## **Impression Component**

Unit: mm

#### Pick-up Type [Hex] Diameter Туре а

Diameter	Туре	а	b	Art. No.
Ø3.8	Middle	20 <u>.</u> 0	13 <u>.</u> 0	BDPU3813H
	Long	22 <u>.</u> 0	16.0	BDPU3816H
Ø5 <u>.</u> 0	Short	18 <u>.</u> 0	12 <u>.</u> 0	BDPU5012H
	Long	22 <u>.</u> 0	15 <u>.</u> 0	BDPU5015H



#### Transfer Type [Non-Hex] Unit: mm Diameter Туре Art. No. а 13.0 BDTF3813N Middle Ø3.8 16.0 BDTF3816N Long Short 12.0 BDTF5012N Ø5.0 Long 15.0 BDTF5015N







Pick-up Screw

Height

24.2

26.2

28.2

Lab Analog

Unit: mm

Unit: mm

Art. No.

BDPS11

BDPS13

BDPS15

Diameter	Height	Art. No.	
Ø4.0	12.0	BDAN	



# Short Bone Level





Good News

Dentiumworld





bright Mall



#### Overdenture 26



**Ball Abutment** 

**Positioner Abutment** 



3

Magnet Assay

(Flat Type)



Bone Level

## **Overdenture Component**

Positioner Abutr	Unit: mm	
Diameter	G/H	Art. No.
	1.3	BPC3613
Ø3 <u>.</u> 6	2.3	BPC3623
	3.3	BPC3633



Positioner Metal Socket



#### Positioner Plastic Socket

		0	
MSOP	MSLP	MSMP	MSHP
100gf	300gf	500gf	1000gf

Ø2.5 Ø1.8

#### Ball Abutment (Ø1.8 Ball)

Diameter	G/H	Art. No.
Ø3.8	1.5	BSBC18

#### Socket Spacer

Diameter	Art. No.
Ø4.05	GBIC3L
Ø4.85	GBIC2L

#### Female Socket / O-ring

Diameter	Retention Force	Art. No.
Ø4.05	300~500gf	BPF3
Ø4.85	500~700gf	BPF2





#### Implant Keeper ( Dome Type )

Diameter	G/H	Art. No.
Ø5.5	3.5 4.5 5.5	BSMK5535D BSMK5545D BSMK5555D





#### Implant Keeper (Flat Type) Unit: mm

Diameter	G/H	Art. No.
Ø4.2	3.0 4.0 5.0	BSMK4230S BSMK4240S BSMK4250S

Ø4.2 [3.0	4.0	5.0		.0	5.0
			BSRS40	BSRS50	BSRS60
				(Included)	

2,5

Ø5.0

Magnet Assay	Dome Type )	Unit: mm
Diameter	Н	Art. No.
Ø5.0	2.5	BMGT5025D

Magnet Assay	(Flat Type )	Unit: gf
Diameter	Power	Art. No.
Ø40	400	XMG4240
Ø4.2	600	XMG4260



Length difference between Diameters minimize sink-down even if the back of denture subsides

## **Overdenture Component**

Unit: mm

#### Positioner Abutment

Diameter	G/H	Art. No.
	0.5	BPAB3605
	1.0	BPAB3610
Ø a c	2.0	BPAB3620
Ø3.6	3.0	BPAB3630
	4.0	BPAB3640
	5.0	BPAB3650



Positioner Metal Socket

FSMH

#### Positioner Plastic Socket



**Ball Abutment** 

Ball Abutment		Unit: mm
Diameter	G/H	Art. No.
	0.5	BBAB380518
	1.0	BBAB381018
Ø3.8	2 <u>.</u> 0	BBAB382018
00.0	3.0	BBAB383018
	4.0	BBAB384018
	5.0	BBAB385018



Ø 4.05

#### Socket Spacer

Diameter	Art. No.
Ø4.05	GBIC3L
Ø4.85	GBIC2L

#### Female Socket

Diameter	Retention Force	Art. No.
Ø4.05	300~500gf	BPF3
Ø4.85	500~700gf	BPF2



Ø 4.85

Implant Keeper	( Dome Type )	Unit: mm
Diameter	G/H	Art. No.
Ø5.0	1.0 2.0 3.0 4.0 5.0	BMK5010D BMK5020D BMK5030D BMK5040D BMK5050D



#### Implant Keeper (Flat Type)

Diameter	G/H	Art. No.
Ø4.2	1.0 2.0 3.0 4.0 5.0	BMK4210S BMK4220S BMK4230S BMK4240S BMK4250S

Н

2.5

Unit: mm

Unit: mm

Art. No.

BMGT5025D

Ø4.2 I1.0	[2.0	]3.0	4.0	5.05.0
				4

8	E	3]	2.5
-	Ø5.0	-	

Magnet Assay	(Flat Type)
--------------	-------------

Magnet Assay ( Dome Type )

Diameter

Ø5.0

Magnet Assay (Flat Type)		Unit: gf
Diameter	Power	Art. No.
Ø4.2	400 600	XMG4240 XMG4260



Length difference between Diameters minimize sink-down even if the back of denture subsides

## Surgical Lindemann Kit



Kit Includes

BSLK



Guide Drill		-	1513119 7 5
Diameter 1	Diameter 2	Length	Art. No.
Ø2.00	Ø1.40	29.0 31.0 33.0	BGD2529 BGD2531 BGD2533

 $\times$  Note : drill speed 1,000rpm, 30~45N cm with irrigation

			1311975 0.7
Final Drill	-		Unit: mm
Diameter 1	Diameter 2	Length	Art. No.
		29.0	BFD3029
Ø2 <b>.</b> 40	Ø2.00	31.0	BFD3031
		33.0	BFD3033
		29.0	BFLD3529
Ø3 <b>.</b> 25	Ø2.50	31.0	BFLD3531
		33.0	BFLD3533
		29.0	BFLD4029
Ø3 <b>.</b> 55	Ø3.25	31.0	BFLD4031
		33.0	BFLD4033
		29.0	BFLD4529
Ø4.20	Ø3.55	31.0	BFLD4531
		33.0	BFLD4533
		29.0	BFLD5029
Ø4.65	Ø4.20	31.0	BFLD5031
		33.0	BFLD5033



L

 $\times$  Note : drill speed 50rpm,70N·cm without irrigation or drill speed 1,000rpm, 30~45N·cm with irrigation

\* Efficient drilling design for apical & lateral grinding

#### Countersink Drill

			Unit: mm
Diameter 1	Diameter 2	Length	Art. No.
Ø6 <b>.</b> 40	Ø4 <u>.</u> 30	27.0	BCS6027L



 $\,$   $\!$   $\!$  Note : countersink drill speed 20~60rpm, 30~45 N  $\cdot cm$  without irrigation

Fixture Adapter for Bone Level		U	nit: mm
Туре	Length	Art. No.	
	27.0	BFA27H	
Hand-Piece	30.0	BFA30H	
	32.0	BFA32H	



Fixture Adapter for Bone Level		Unit: mm
Туре	Length	Art. No.
Ratchet	21.0 24.0 26.0 29.0	BFA21W BFA24W BFA26W BFA29W



F	Parallel Pin			Unit: mm	25.0
	Diameter 1	Diameter 2	Length	Art. No.	·
	Ø2 <b>.</b> 0	Ø1 <u>.</u> 6	25.0	BPP164325	D1 I I I D2

Path Pin	Unit: mm	
Length	Art. No.	18.2
18.2	BFPP	



### Surgical Kit 34

Hex Driver		Unit: mm
Туре	Length	Art. No.
Hand-Piece	25.0	BHD25H
Ratchet	17.0 25.0 27.0	BHD17W BHD25W BHD27W



#### 15° Angled Screw Driver

S Angled Sciew Driver		Unit: mm
Туре	Length	Art. No.
Hand-Piece	25.0	BAHD25H
Ratchet	27.0	BAHD27W



\* Note : This angled hex driver is able to tighten up to 25 degrees

Unit: mm

#### Fixture Adapter for Tissue Level

Diameter	Туре	Length	Art. No.
Ø3.8 Ratch		21.0	BSA3821H
	Hand-Piece	24 <u>.</u> 0	BSA3824H
		27 <u>.</u> 0	BSA3827H
		21 <u>.</u> 0	BSA3821W
	Ratchet	24 <u>.</u> 0	BSA3824W
		27 <u>.</u> 0	BSA3827W

\* Enable to Screw Abutment driver

#### **Drill Extension**

rill Extension	Unit: mm
Length	Art. No.
26 <u>.</u> 0	BDE





Ratchet	Unit: mm		
Art. No.			
BRCT		RAIC LT	
Torque Wrench	Unit: mm		
Art. No.			I
BTW		64 87	
		_	
Depth Gauge	Unit: mm	0-11750407 (FT0) - FT01105-08	
Art. No.			
BDG			

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

## **Guide Lindemann Kit**



\* Efficient drilling design for apical & lateral grinding



First Drill			Unit: mm
Diameter 1	Diameter 2	Length	Art. No.
Ø2.00	Ø1 <b>.</b> 40	7.0	BFGD2507L
		9.0	BFGD2509L
		11.0	BFGD2511L
		13.0	BFGD2513L



#### Final Drill

Final Drill		Unit: mm
Diameter	Length	Art, No,
	7.0	BFFD3007L
<i>6</i> . <i>1</i> .	9.0	BFFD3009L
Ø2 <b>.</b> 40	11.0	BFFD3011L
	13.0	BFFD3013L
	7.0	BFFD3507L
Ø2 15	9.0	BFFD3509L
03.15	11.0	BFFD3511L
	13.0	BFFD3513L
	7.0	BFFD4007L
Ø 2.45	9.0	BFFD4009L
Ø 3.43	11.0	BFFD4011L
	13.0	BFFD4013L
	7.0	BFFD4507L
<i></i>	9.0	BFFD4509L
Ø4 <b>.</b> 10	11.0	BFFD4511L
	13.0	BFFD4513L
	7.0	BFFD5007L
	9.0	BFFD5009L
Ø4.55	11.0	BFFD5011L
	13.0	BFFD5013L











### Surgical Kit 38

#### Fixture Adapter for Bone Level

	Done Level	Unit: mm
Туре	Length	Art. No.
Hand-piece	29.0	BFFA28H
Ratchet		BFFA28W

Fixture Adapter for Tissue Level

Туре	Length	Art. No.
Hand-piece	25.0	BFSA25H
Ratchet		BFSA25W

Unit: mm





### Simple Drilling Sequence



• : Drilling in the full length of fixture height

• : Drilling in the half length of fixture height

# Dentium



Bone Level Tissue Level

This publication is for international distribution, It may differ from the certification and sales products in some countries.



76, Changnyong-daero 256beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea www.globaldentium.com **DENTIUM Co., Ltd**