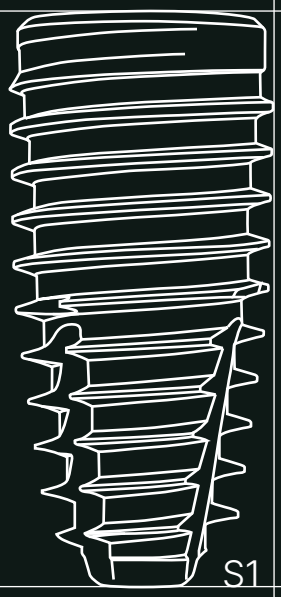
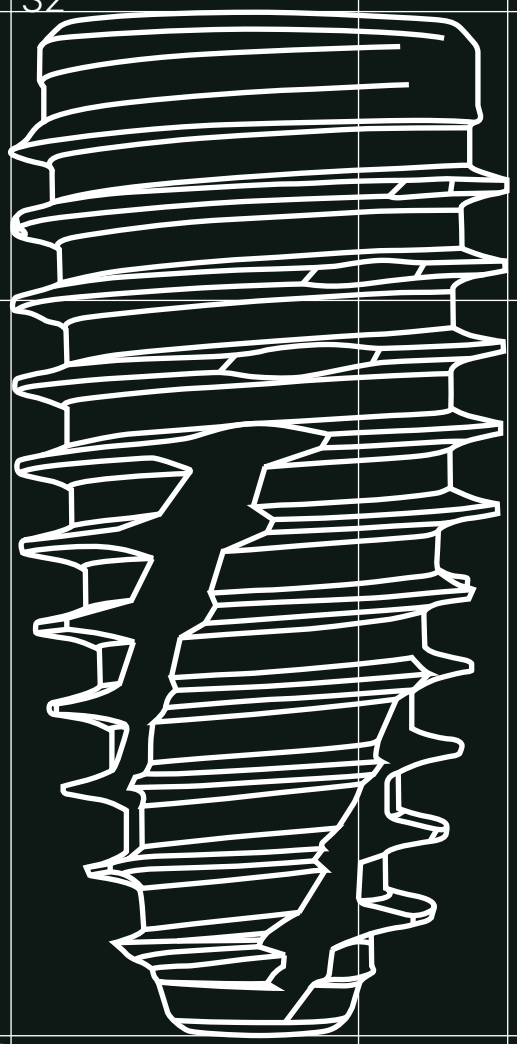
ENG

2026 BnT Implant Product Catalog



S1 S2



BnT Implant

BETTER FIT & TUNES

Insertion Performance at Your Fingertips

Derbarzt

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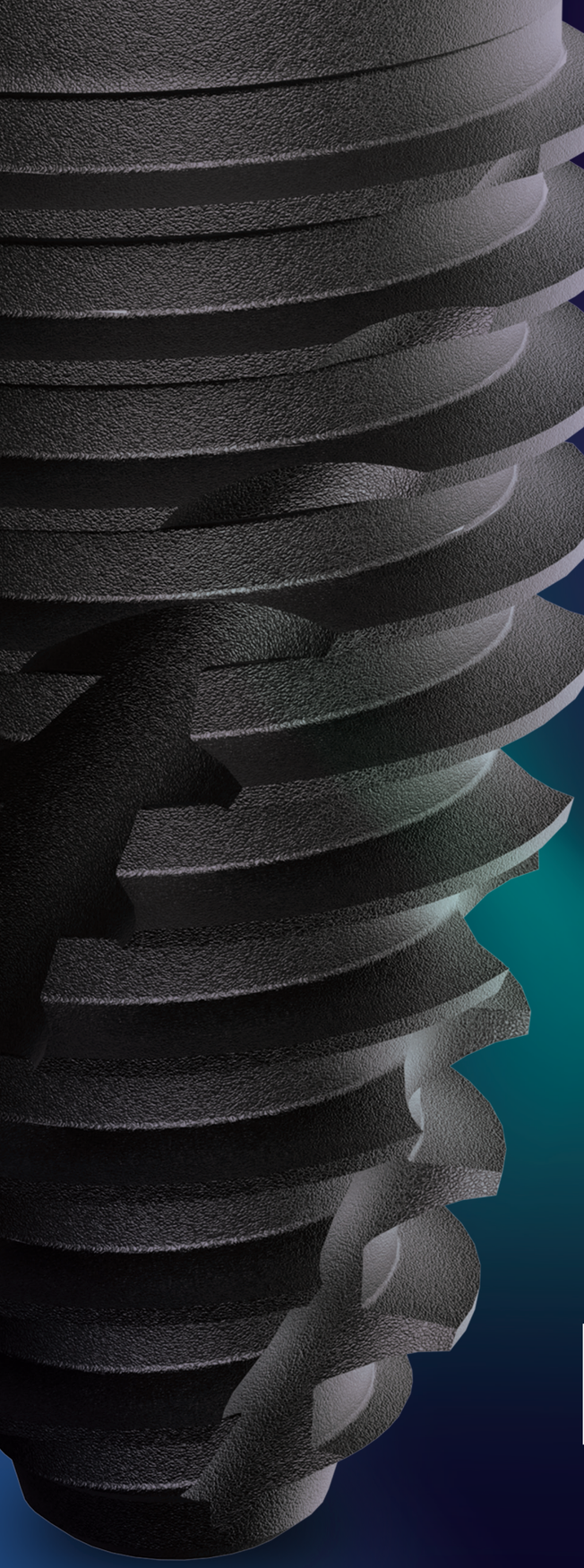
Inspire your life



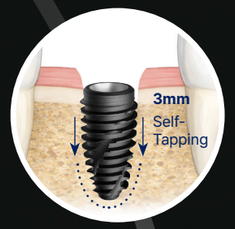
Distinctive Design with Superior Tapping

Insertion Performance at your fingertips

BnT Implant

Contents

BnT Implant | Superior Insertion Performance



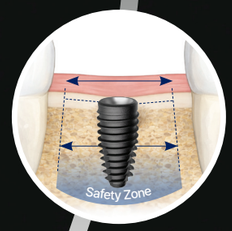
Reliable initial stability

- Initial ISQ value of 60 or higher
- Self-tapping up to 3mm in D2 bone without additional drilling

Narrow neck design

Designed to minimize cortical stress

- Reduces stress concentration around the cortical bone
- Improves crestal bone stability over time



Sharp apex

Apex Design to minimize Root Interference

- Reduces the risk of adjacent root damage
- Suitable for anterior & premolar cases as well

Double taper

Optimized dual-taper design for immediate placement

- Advantages for immediate and early loading
- Designed to enhance initial stability through progressive compression

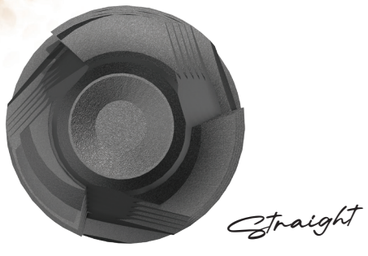
Distinctive Design with Superior Tapping

Select Your Best BnT Implant

Strong Type S1

Strong Insertion Performance

S1 provides firm, clearly perceptible tactile feedback,
ensuring a strong and powerful insertion feel during implant placement.



Sharp Thread

0.3 ~ 0.4mm Thread depth

Minimizes bone removal after drilling

Straight Cutting Edge

Enlarged bone chip pockets

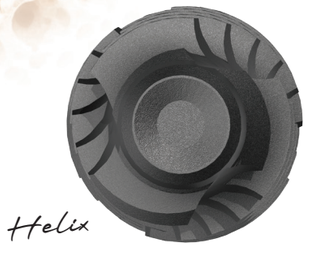
Excellent downward bone cutting performance

Better fit & Tunes

Smooth Type S2

Smooth Insertion Performance

S2 delivers a smooth and consistent insertion feel throughout placement.
Its deep, finely cut thread structure ensures continuous, stable resistance.



Sharp & Power Thread

0.5 ~ 0.65mm Thread depth

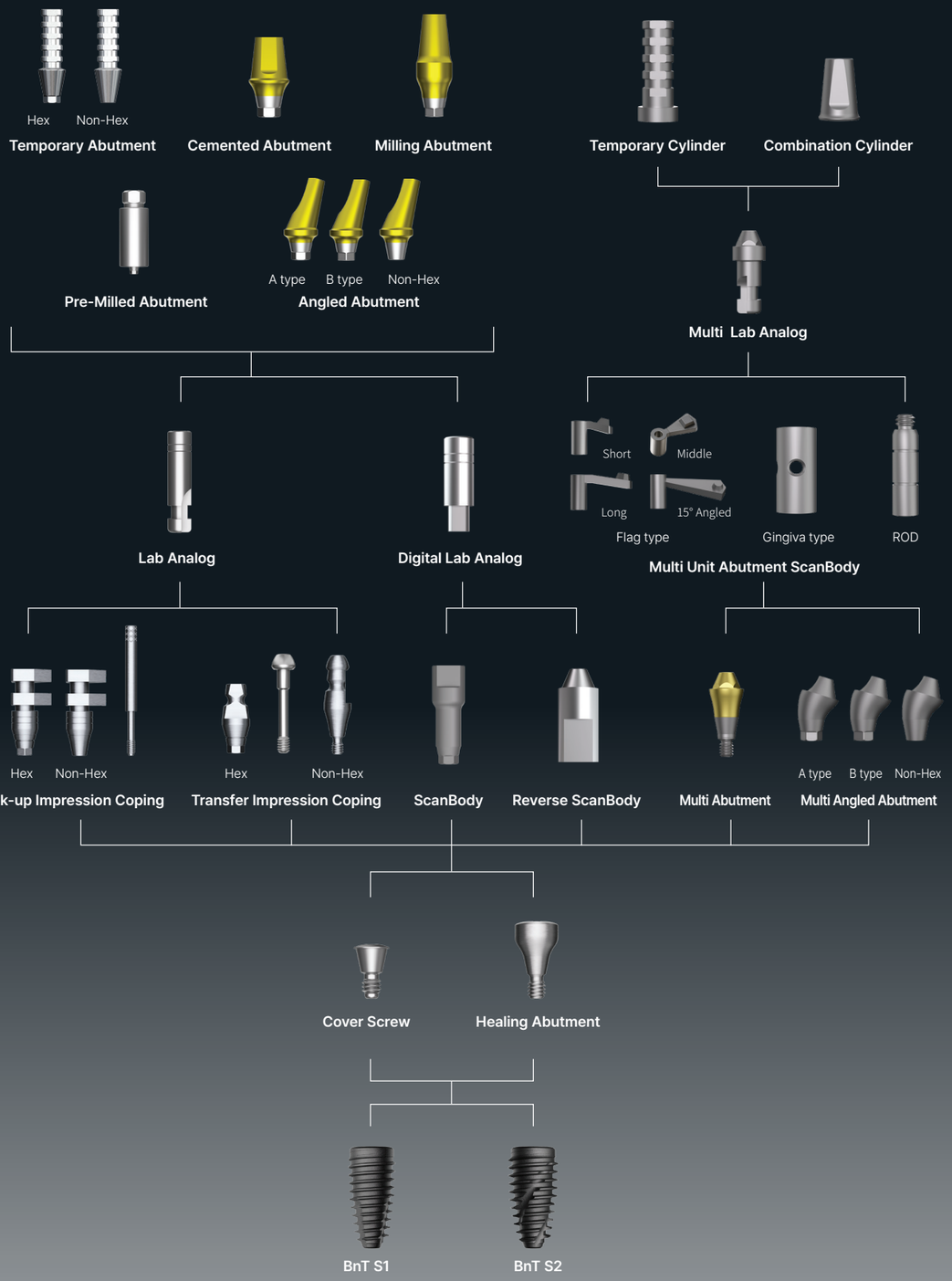
Additional initial stability through increased surface area

Helix Cutting Edge

Maximized self-tapping capability

Organic movement and distribution of bone chips

Prosthetic Flow Diagram



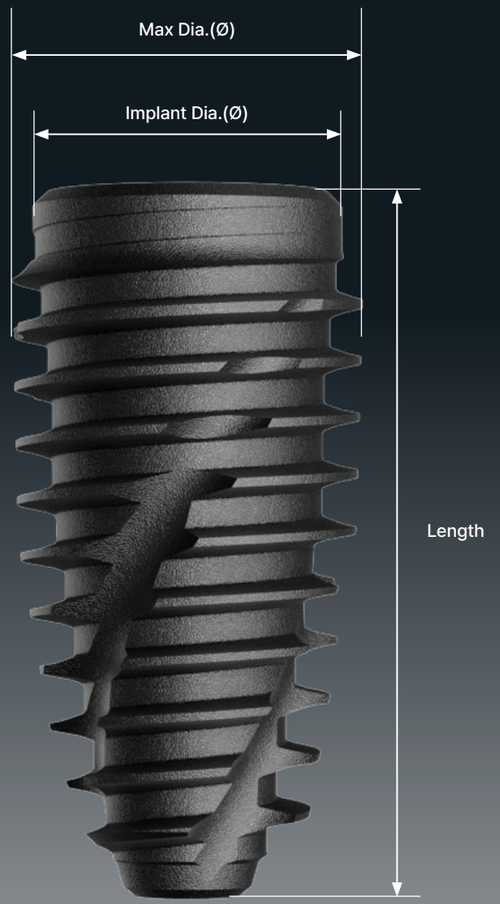
Implant & Abutment

- BnT Implant Line-up
- Cover & Abutment Screw
- Healing Abutment

BnT Implant

BnT Implant - S1, S2

- Submerged type implant with an Internal Hex and 11° Morse Tapered Connection structure
- Single Thread Design for stable placement and delicate depth adjustment
- Reliable initial stability with an initial ISQ value of 60 or higher
- Self-tapping capability up to 3mm in D2 bone without additional drilling
- Narrow Neck Design : Minimizes Cortical Stress, helping reduce bone loss and support a natural emergence profile
- Double Taper Body : Provides enhanced initial stability, optimized for immediate placement (stable torque control)
- Sharp Apex Design : Minimizes Root Interference
- Optimized SLA surface treatment for superior osseointegration
- Cover Screw included



BnT S1 Implant *Strong* Type

- Sharp Thread : 0.3–0.4mm Thread depth minimizes bone removal after drilling
- Straight Cutting Edge : Superior downward cutting ability with expanded bone chip pocket volume
- Strong insertion performance

BnT S2 Implant *Smooth* Type

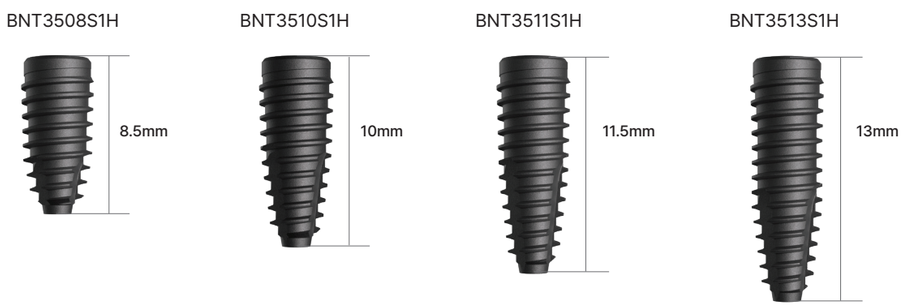
- Sharp & Power Thread : 0.5 - 0.65mm Thread depth provides additional initial stability with a wider surface area
- Helix Cutting Edge : Maximizes self-tapping capability and promotes smooth bone chip flow and distribution
- Smooth insertion experience

Nominal Diameter	Implant Max Diameter				
	Ø4.0	Ø4.4	Ø4.7	Ø5.0	Ø5.6
Ø3.5	 S1	 S2			
Ø4.0		 S1	 S2		
Ø4.5			 S1	 S2	
Ø5.0				 S1	 S2

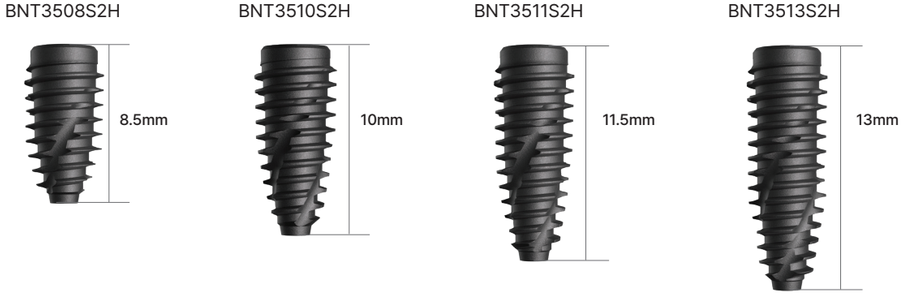
BnT Implant Line-up

Diameter *Mini Ø3.5*

S1



S2



(mm)

Length	Type	Max Diameter	Product Code
8.5	S1	Ø4.0	BNT3508S1H
	S2	Ø4.4	BNT3508S2H
10	S1	Ø4.0	BNT3510S1H
	S2	Ø4.4	BNT3510S2H
11.5	S1	Ø4.0	BNT3511S1H
	S2	Ø4.4	BNT3511S2H
13	S1	Ø4.0	BNT3513S1H
	S2	Ø4.4	BNT3513S2H

Diameter *Regular Ø4.0*

S1

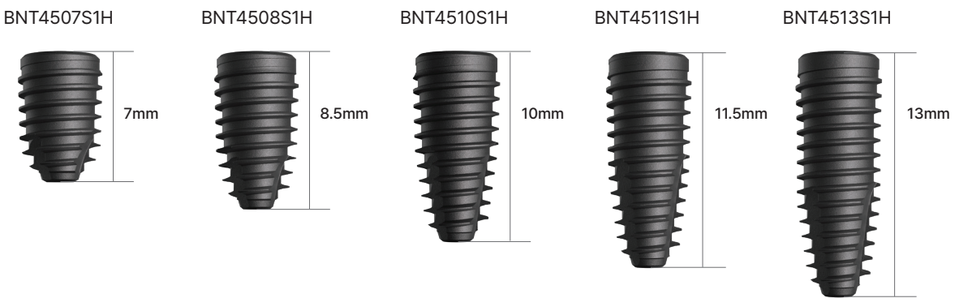
S2

(mm)

Length	Type	Max Diameter	Product Code
7	S1	Ø4.4	BNT4007S1H
	S2	Ø4.7	BNT4007S2H
8.5	S1	Ø4.4	BNT4008S1H
	S2	Ø4.7	BNT4008S2H
10	S1	Ø4.4	BNT4010S1H
	S2	Ø4.7	BNT4010S2H
11.5	S1	Ø4.4	BNT4011S1H
	S2	Ø4.7	BNT4011S2H
13	S1	Ø4.4	BNT4013S1H
	S2	Ø4.7	BNT4013S2H

Diameter Regular Ø4.5

S1



S2

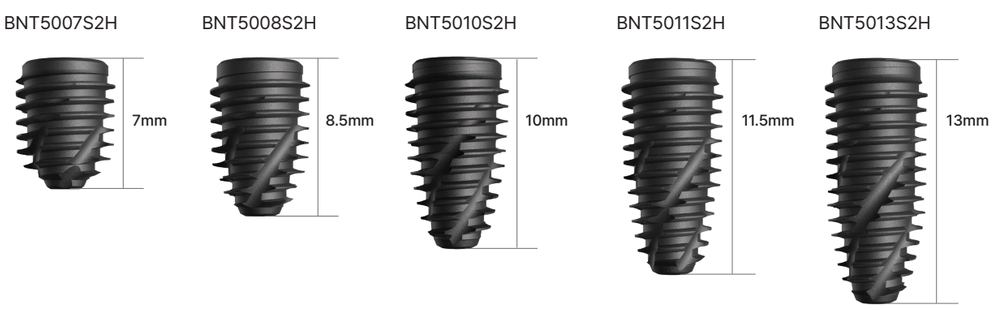
(mm)

Length	Type	Max Diameter	Product Code
7	S1	Ø4.7	BNT4507S1H
	S2	Ø5.0	BNT4507S2H
8.5	S1	Ø4.7	BNT4508S1H
	S2	Ø5.0	BNT4508S2H
10	S1	Ø4.7	BNT4510S1H
	S2	Ø5.0	BNT4510S2H
11.5	S1	Ø4.7	BNT4511S1H
	S2	Ø5.0	BNT4511S2H
13	S1	Ø4.7	BNT4513S1H
	S2	Ø5.0	BNT4513S2H

Diameter Regular Ø5.0

S1

S2



(mm)

Length	Type	Max Diameter	Product Code
7	S1	Ø5.0	BNT5007S1H
	S2	Ø5.6	BNT5007S2H
8.5	S1	Ø5.0	BNT5008S1H
	S2	Ø5.6	BNT5008S2H
10	S1	Ø5.0	BNT5010S1H
	S2	Ø5.6	BNT5010S2H
11.5	S1	Ø5.0	BNT5011S1H
	S2	Ø5.6	BNT5011S2H
13	S1	Ø5.0	BNT5013S1H
	S2	Ø5.6	BNT5013S2H

Cover Screw

- Select the height(H) based on the implant placement depth
- Use the dedicated Cover Screw for Ø3.5 Implant
- Tighten manually (by hand) using 1.2 Hex Driver

(mm)

Connection	Height	Product Code
Mini	0.4	BNSCS35
	1.4	BNSCS35M
	2.0	BNSCS35L

(mm)

Connection	Height	Product Code
Regular	0.4	BNSCS40SG
	1.4	BNSCS40MG
	2.0	BNSCS40LG

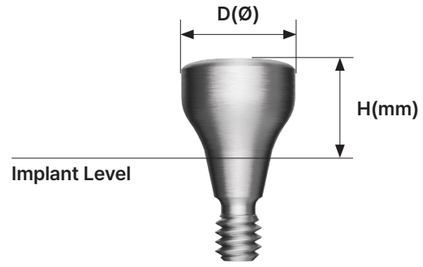
Abutment Screw

- Tighten using 1.2 Hex Drive

Connection	Product Code
Mini	BNSABSM
Regular	BNSABSS

Healing Abutment

- Use Mini for implants with Ø3.5 or less
- Tighten manually (by hand) using 1.2 Hex Driver



C	D \ H	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Mini	**Ø4.0**	BNSHA403M	BNSHA404M	BNSHA405M	BNSHA406M	BNSHA407M	BNSHA408M	BNSHA409M
	Ø4.5	BNSHA453M	BNSHA454M	BNSHA455M	BNSHA456M	BNSHA457M	BNSHA458M	BNSHA459M

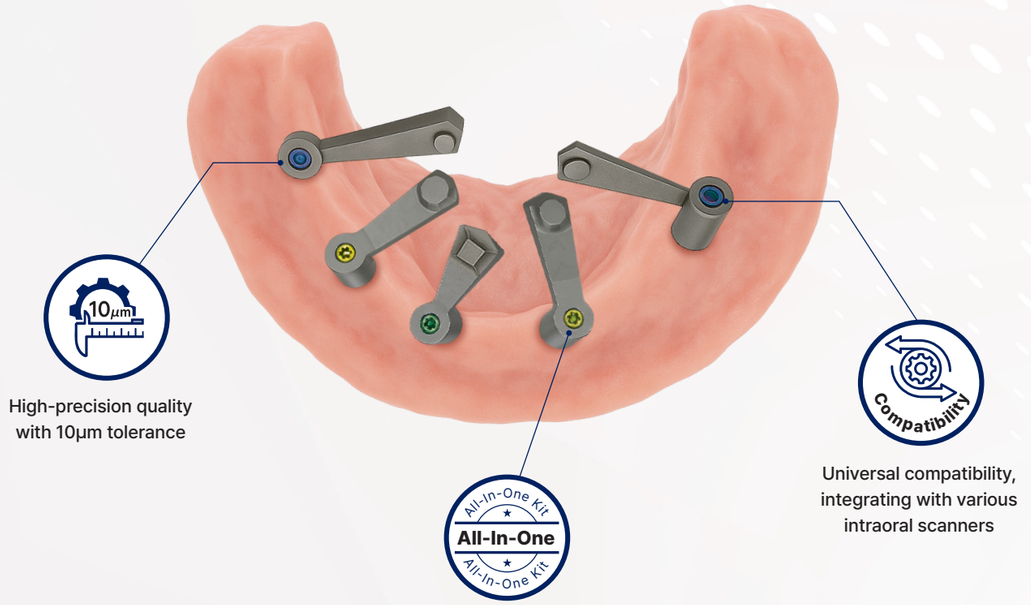
C	D \ H	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Regular	**Ø4.0**	BNSHA403R	BNSHA404R	BNSHA405R	BNSHA406R	BNSHA407R	BNSHA408R	BNSHA409R
	Ø4.5	BNSHA453R	BNSHA454R	BNSHA455R	BNSHA456R	BNSHA457R	BNSHA458R	BNSHA459R
	Ø5.0	BNSHA503R	BNSHA504R	BNSHA505R	BNSHA506R	BNSHA507R	BNSHA508R	BNSHA509R
	Ø6.0	BNSHA603R	BNSHA604R	BNSHA605R	BNSHA606R	BNSHA607R	BNSHA608R	BNSHA609R
	Ø7.0	BNSHA703R	BNSHA704R	BNSHA705R	BNSHA706R	BNSHA707R	BNSHA708R	BNSHA709R
	Ø8.0			BNSHA805R				

※ C = Connection / D = Diameter / H = Height

Prosthetic Compatibility

BnT Implant is highly compatible with 11° Morse Taper Connection used by BnS and various implant systems, enhancing the convenience of prosthetic use.
Furthermore, its extensive compatibility with various prosthetic components offers a wider range of options tailored to diverse clinical situations. Existing users can also conveniently integrate the system without any additional changes, significantly enhancing clinical versatility and operational efficiency.

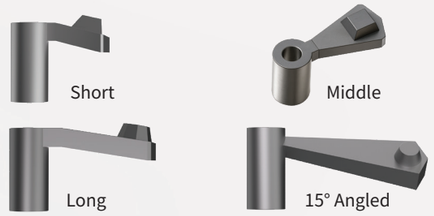
Multi Unit Abutment ScanBody

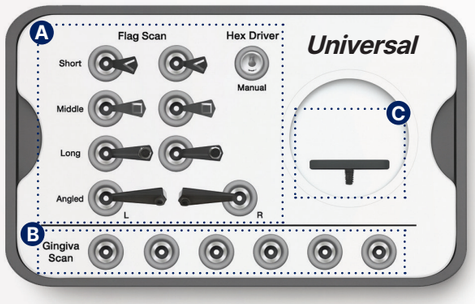


ScanBody Components

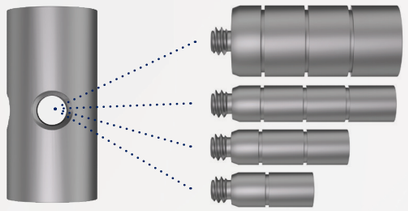
KIT Product Code : UEDSBK

A Precision Scan Zone Easily Set with Built-in Screw





B Gingiva Type Built-in Screw - Various Sizes / Easy to use



C Bite Table Edentulous V.D Check / Easy to use

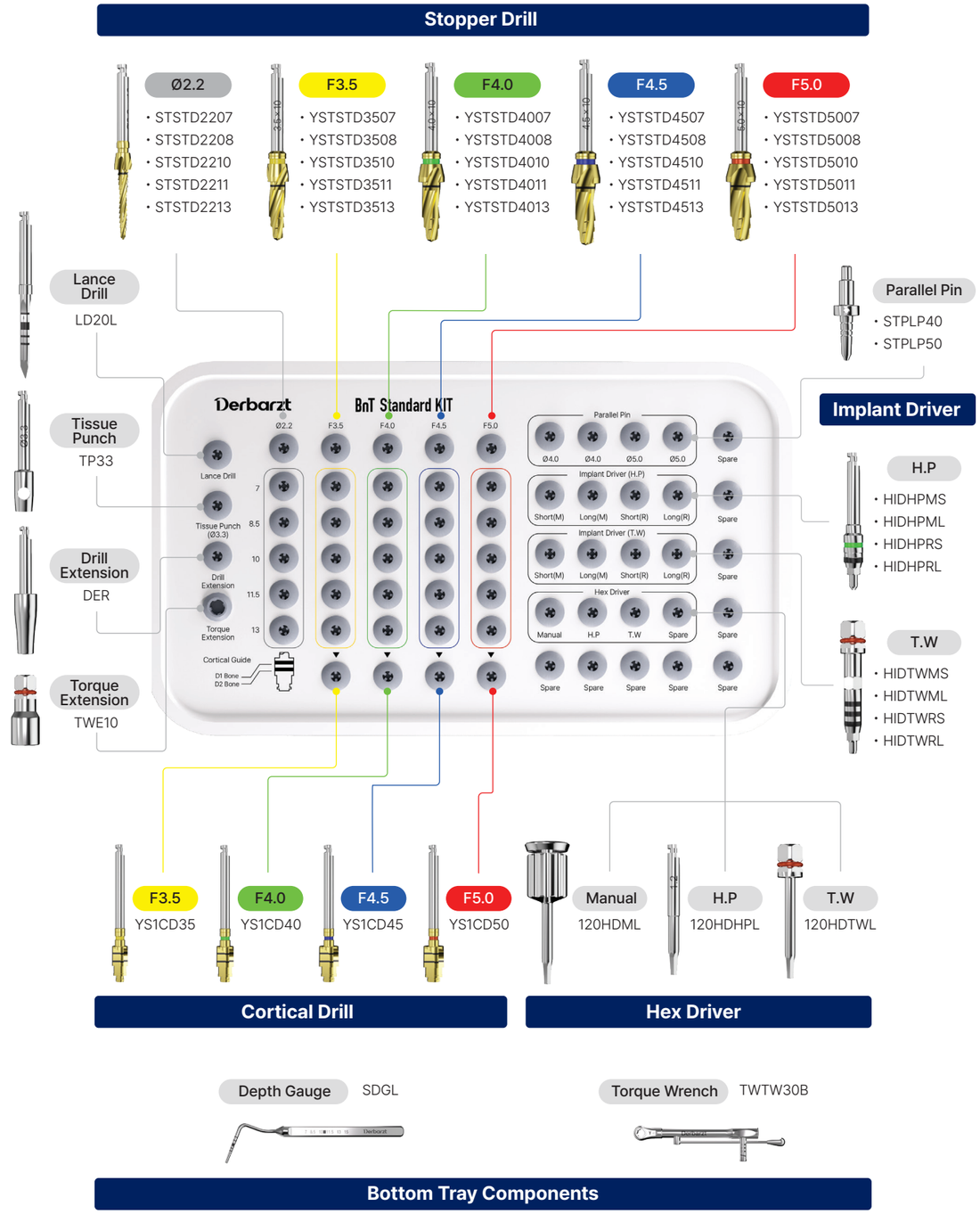
Kit

- BnT Standard KIT
- Drilling Sequence
- Surgical Instrument

BnT Implant

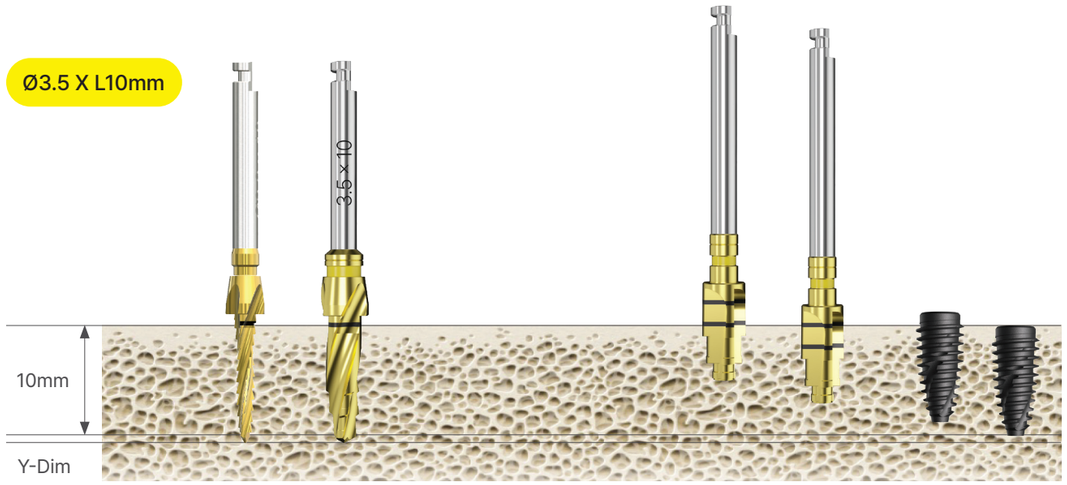
BnT Standard KIT

Product Code : BNTSDK



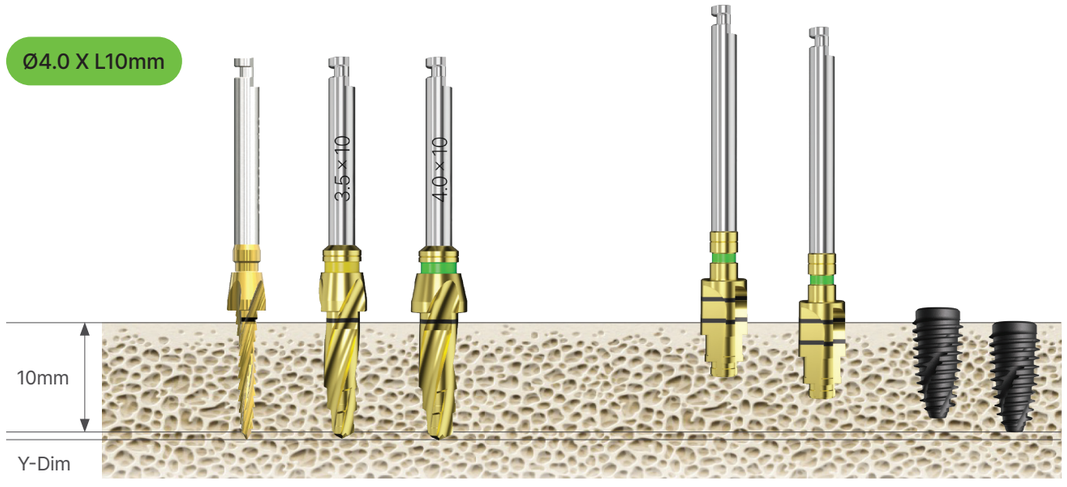
Drilling Sequence (Same for BnT S1, S2)

Ø3.5 X L10mm



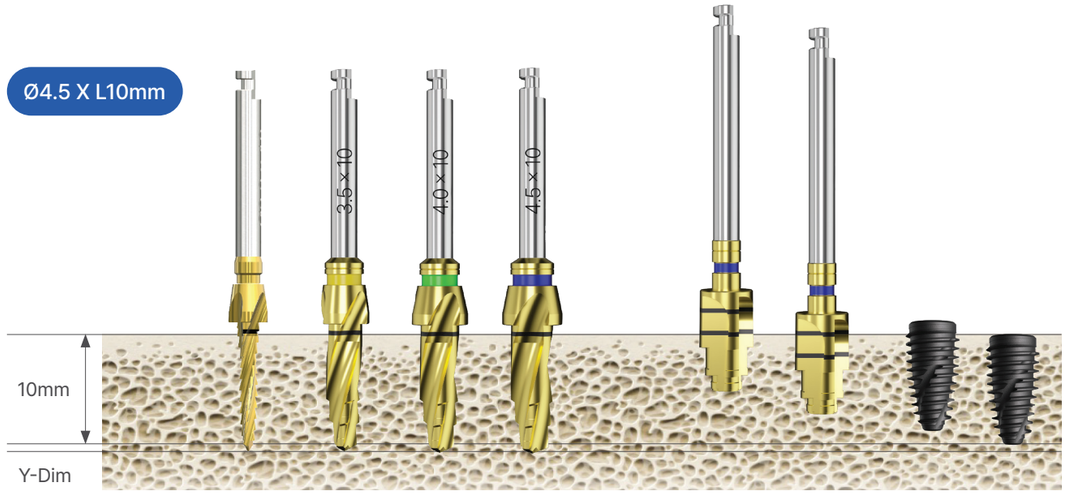
Implant	Bone Density	Drill Ø2.2	Drill F3.5				Cortical Drill F3.5 Lower Line	Cortical Drill F3.5 Upper Line	Implant Driver (H.P)	Implant Driver (T.W)
Ø3.5	Soft	●	●						Implant Placement (Up to 80%)	Implant Placement
	Normal	●	●				●			
	Hard	●	●					●		

Ø4.0 X L10mm



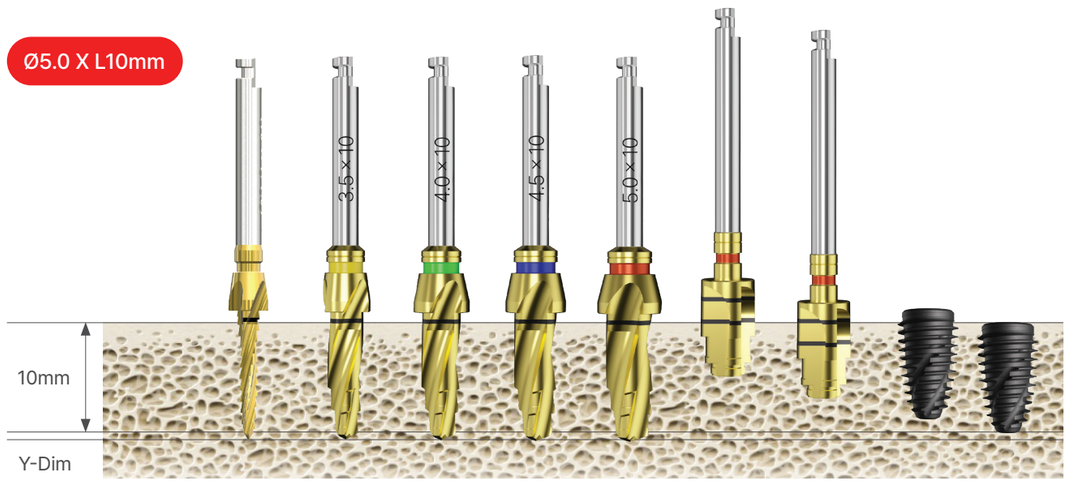
Implant	Bone Density	Drill Ø2.2	Drill F3.5	Drill F4.0			Cortical Drill F4.0 Lower Line	Cortical Drill F4.0 Upper Line	Implant Driver (H.P)	Implant Driver (T.W)
Ø4.0	Soft	●	●	●					Implant Placement (Up to 80%)	Implant Placement
	Normal	●	●	●			●			
	Hard	●	●	●				●		

Ø4.5 X L10mm



Implant	Bone Density	Drill Ø2.2	Drill F3.5	Drill F4.0	Drill F4.5		Cortical Drill F4.5 Lower Line	Cortical Drill F4.5 Upper Line	Implant Driver (H.P)	Implant Driver (T.W)
Ø4.5	Soft	●	●	(●)	●				Implant Placement (Up to 80%)	Implant Placement
	Normal	●	●	(●)	●		●			
	Hard	●	●	(●)	●			●		

Ø5.0 X L10mm



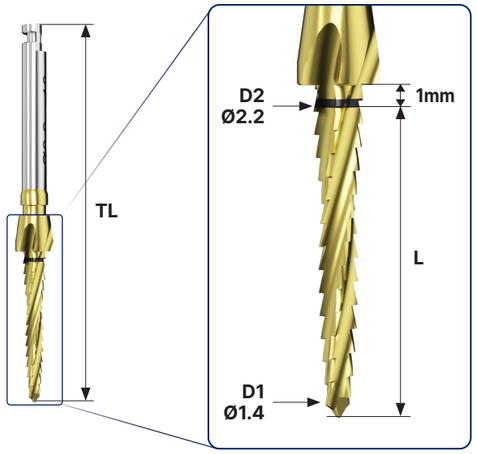
Implant	Bone Density	Drill Ø2.2	Drill F3.5	Drill F4.0	Drill F4.5	Drill F5.0	Cortical Drill F5.0 Lower Line	Cortical Drill F5.0 Upper Line	Implant Driver (H.P)	Implant Driver (T.W)
Ø5.0	Soft	●	●	(●)	(●)	●			Implant Placement (Up to 80%)	Implant Placement
	Normal	●	●	(●)	(●)	●	●			
	Hard	●	●	(●)	(●)	●		●		

Surgical Instrument

Stopper Drill Ø2.2

- Creates a starting hole in the bone to facilitate initial drilling
- Features a stopper with 1mm safety margin
- Use for ridge reduction in extraction sockets
- Facilitates site preparation in extraction sockets
- Drill capable of side-cutting using the cutting edges on the Drill Body
- TiN coating provides excellent corrosion resistance and wear resistance

※ Lower Diameter(D1): Ø1.4 / Upper Diameter(D2) : Ø2.2



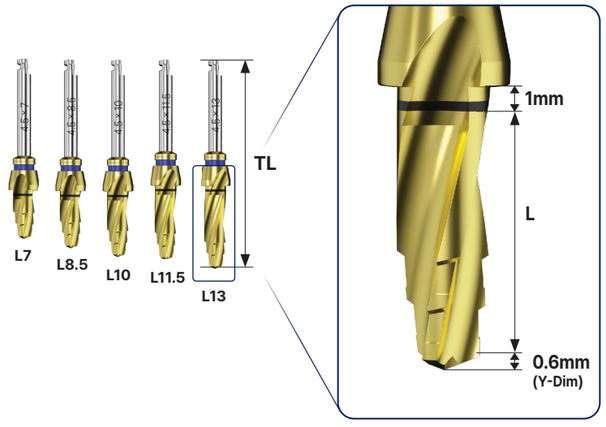
(mm)

Length	Total Length	Product Code
7.7	31.7	STSTD2207
9.2	33.2	STSTD2208
10.7	34.7	STSTD2210
12.2	35.2	STSTD2211
13.7	36.7	STSTD2213

Stopper Drill (F3.5~F5.0)

- Straight drill designed to reduce the number of drilling steps
- Features a stopper with 1mm safety margin
- Color-coded drill shanks indicate diameter and corresponding main implant
- Exclusively for BnT S1, S2 Implant
- TiN coating provides excellent corrosion resistance and wear resistance

※ F = Final Drill | Uniform Y-Dim : 0.6mm



(mm)

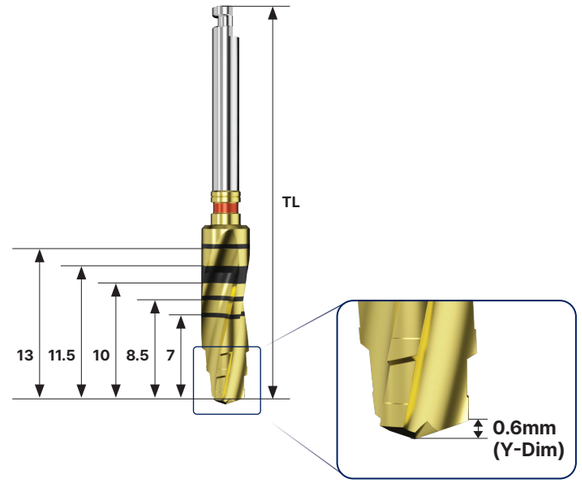
Length	Y-Dim	Total Length	F3.5	F4.0	F4.5	F5.0
7.0	0.6	31	YSTSTD3507	YSTSTD4007	YSTSTD4507	YSTSTD5007
8.5	0.6	32.5	YSTSTD3508	YSTSTD4008	YSTSTD4508	YSTSTD5008
10.0	0.6	34	YSTSTD3510	YSTSTD4010	YSTSTD4510	YSTSTD5010
11.5	0.6	34.5	YSTSTD3511	YSTSTD4011	YSTSTD4511	YSTSTD5011
13.0	0.6	36	YSTSTD3513	YSTSTD4013	YSTSTD4513	YSTSTD5013

Straight Drill

Optional

- Straight drill designed to reduce the number of drilling
- Color-coded drill shanks indicate diameter and corresponding main implant
- Exclusively for BnT S1, S2 Implant
- TiN coating provides excellent corrosion resistance and wear resistance
- This product is sold separately

※ F = Final Drill | Uniform Y-Dim : 0.6mm



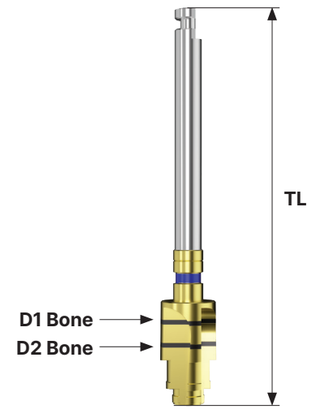
(mm)

Y-Dim	Total Length	Ø2.2	F3.5	F4.0	F4.5	F5.0
	33.6	YSTD22S				
0.6	34		YSTD35S	YSTD40S	YSTD45S	YSTD50S

Cortical Drill

- Drill for removing Cortical bone
- Recommended to drill up to the lower marking line
- Lower line for Normal bone, Upper line for Hard bone
- Color-coded drill shanks indicate diameter and corresponding main implant
- Exclusively for BnT S1, S2 Implant
- TiN coating provides excellent corrosion resistance and wear resistance

※ F = Final Drill



(mm)

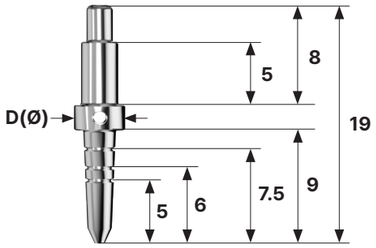
Total Length	F3.5	F4.0	F4.5	F5.0
34.5	YS1CD35	YS1CD40	YS1CD45	YS1CD50

※ D = Diameter / TL= Total Length / L= Length

Parallel Pin

- Use to verify position and direction of Bone Preparation
- Lower part for Initial drill, Upper part for F3.5 (Ø2.2/3.0) drill

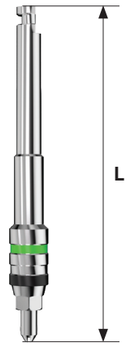
Diameter	Product Code
4.0	STPLP40
5.0	STPLP50



Implant Driver (H.P)

- Driver for direct connection to implant using a surgical handpiece during insertion

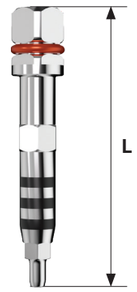
Connection	Length	Product Code
Mini	Short (27.0)	HIDHPMS
	Long (32.0)	HIDHPML
Regular	Short (27.4)	HIDHPRS
	Long (32.4)	HIDHPRL



Implant Driver (T.W)

- Connects directly to the implant to adjust final placement depth or remove

Connection	Length	Product Code
Mini	Short (19.6)	HIDTWMS
	Long (26.6)	HIDTWML
Regular	Short (19.8)	HIDTWRS
	Long (26.8)	HIDTWRL



Torque Extension

- Connects to Torque Wrench to extend Driver length (10mm extensions)

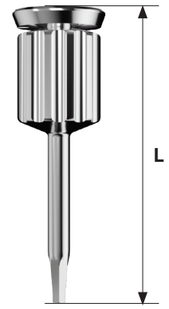
Extension Length	Product Code
10	TWE10

Hex Driver (Manual)

- 1.2 Hex
- Hand Driver(Manual)
- Tip Holding function

Length	Product Code
Short (22.8)	* 120HDMS
Middle (24.8)	* 120HDMM
Long (27.8)	120HDML

* Marked items are optional

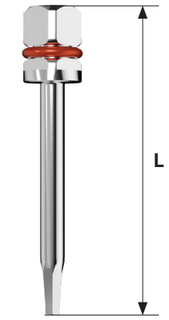


Hex Driver (T.W)

- 1.2 Hex
- Drive for Torque wrench connection
- Tip Holding function
- Adhere to the recommended torque value(Excessive torque may cause fracture)
- Incomplete engagement may cause fracture even at low torque
- Apply torque vertically(Do not tilt)
- Replace if the Tip becomes bent due to long-term use or excessive torque

Length	Product Code
Short (19.5)	* 120HDTWS
Middle (21.5)	* 120HDTWM
Long (26.5)	120HDTWL

* Marked items are optional

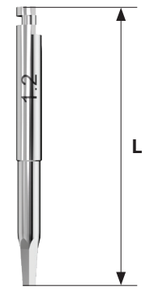


Hex Driver (H.P)

- 1.2 Hex
- Driver for engine
- Tip Holding function

Length	Product Code
Short (20.0)	* 120HDHPS
Long (26.0)	120HDHPL

* Marked items are optional



Drill Extension

- Use to extend the length of Drill and other handpiece instruments (15mm extensions)
- Caution : Improper connection or excessive force may cause bending or fracture

Extension Length	Product Code
15	DER

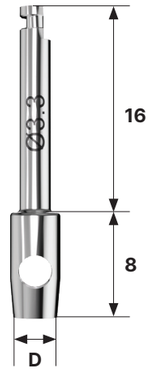
※ D = Diameter / TL= Total Length / L= Length

Tissue Punch

• Use for gingiva removal during Flapless Surgery

Diameter	Product Code
Ø3.3	TP33
Ø3.8	* TP38
Ø4.3	* TP43

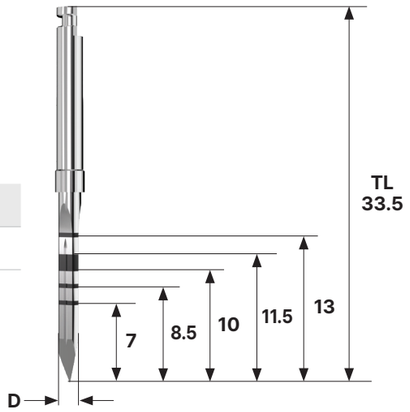
* Marked items are optional



Lance Drill

• Creates a hole in the bone to facilitate initial drilling

Diameter	Product Code
Ø2.0	LD20L



Torque Wrench (Bar Type)

• Use to adjust the placement position of Implant and tighten Abutment and Screw
• Apply torque by pulling the bar until it aligns with the line indicating the desired torque value

Product Code
TWTW30B

Depth Gauge

• Drilling depth measurement (7~15mm)

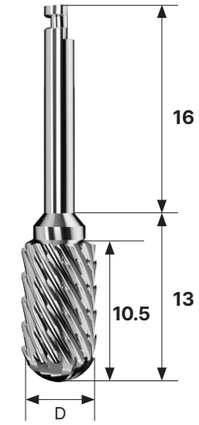
Product Code
SDGL

OTP Bur (Osteoplasty Bur)

Optional

• Horizontally removes narrowed bone width using the side cutting blade
• Provided non-sterile. Must be sterilized before use
• This product is sold separately

Diameter	Product Code
Ø5.8	CRB58

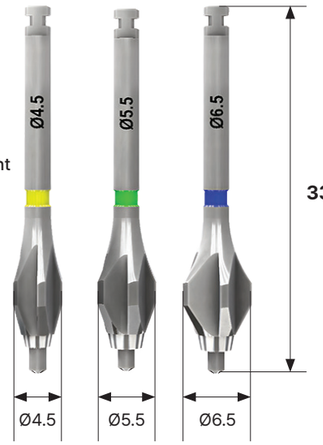


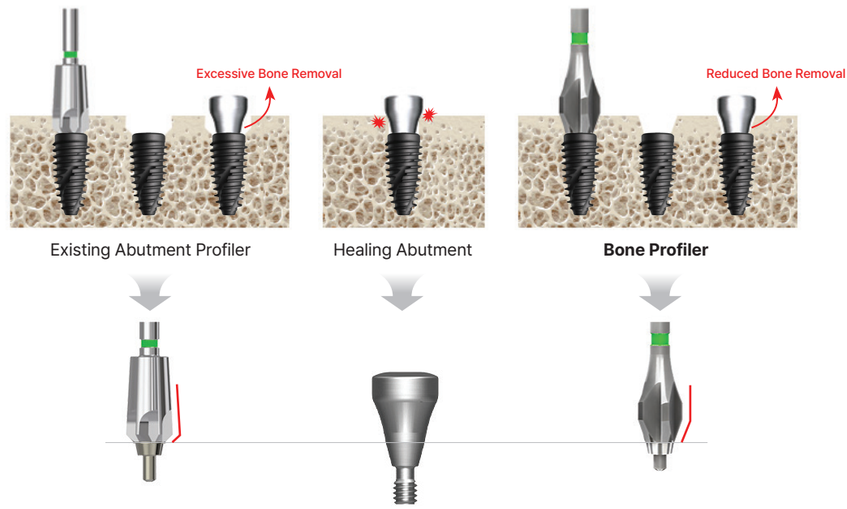
Bone Profiler

Optional

• Diameter : Ø4.5 / 5.5 / 6.5
• Used to remove bone formed around the implant during second-stage surgery
• Used to remove bone formed around the implant to allow proper seating of Healing Abutment
• Provided non-sterile. Must be sterilized before use
• This product is sold separately

Connection	Diameter	Product Code
Mini	Ø4.5	DBP45
Regular	Ø5.5	DBP55
	Ø6.5	DBP65





※ D = Diameter / TL= Total Length / L= Length

BnT Implant
BETTER FIT & TUNES

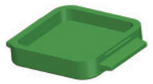
Implant Ampule User Guide

BnT Implant is packaged in an air-floating type ampule with an integrated implant and fixation pin design. The implant is separated from the ampule by diagonal rotation. As the implant does not directly contact the inside of the ampule, external contamination is effectively prevented, ensuring a cleaner implant with optimal sterility.

Air-Floating Ampule Components

Implant

Ampule Cap



Ampule Cap Cover

How to use Implant Ampule

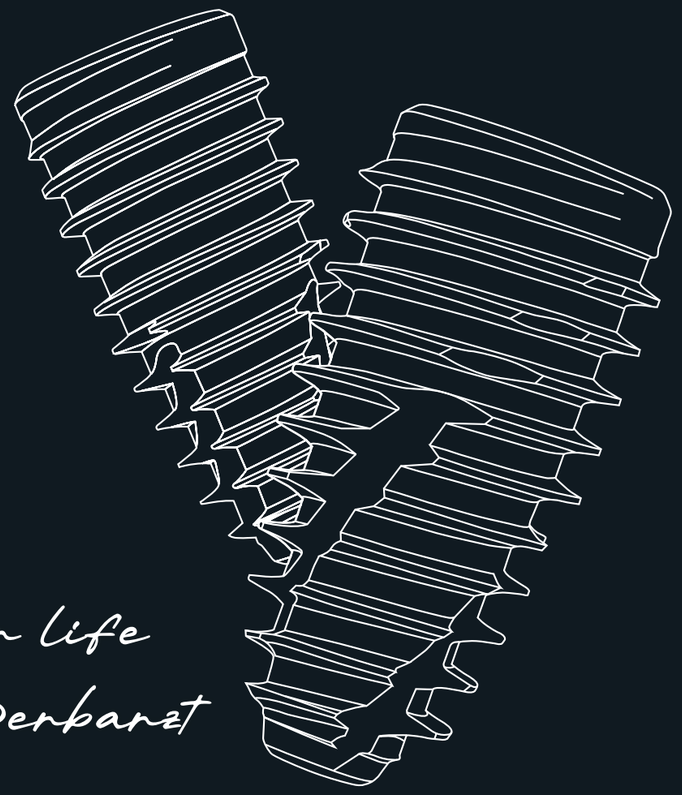
1. Connect Implant Driver

2. Simple & Easy

Rotate in engine placement mode

3.

Placement



Derbarzt is the master brand of HUB BIOTECH.

Rediscover the value of life with Derbarzt's life-inspiring medical solutions!
Together with doctors and patients, Derbarzt elevates the value of life.
Through continuous innovation and a spirit of challenges, Derbarzt strives to become a global medical healthcare provider.
Moving beyond existing medical solutions,
We pursue exceptionally safe and differentiated customized premium solutions.
Derbarzt will always be by your side, helping you envision a future that is healthier than today.

Derbarzt

2018
Establishment of HUB BIOTECH

2021
Development of Biomaterials & Medical device
▶ Rh BMP-2 ▶ Antibody EMAP II

2023
Venturing Dental Business

2024
- ISO 13485
- KGMP Spine ('24.2) / Dental ('24.9)
- Approval in South Korea (MFDS)

2025
- Approval in Ukraine (Certified by UA.TR.116)
- Headquarters Relocation

2026
- FDA 510(k) Clearance

What Derbarzt means

Derbarzt

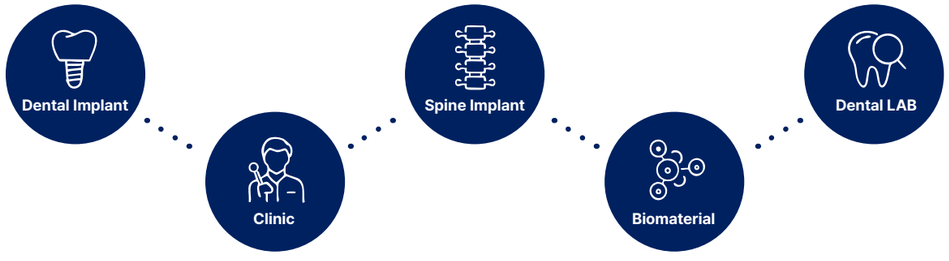
Derb (strong, robust) + Arzt (doctor) + ärztliche (medical)

『 Derbarzt is the master brand of HUB BIOTECH, a company specialized in Spine & Dental implants 』

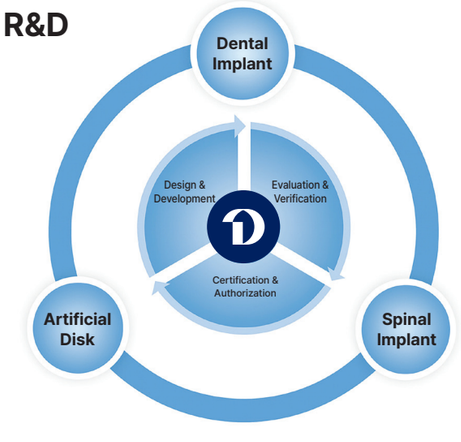
Business Area

Global Healthcare Pathfinder

Pursuing innovation, Derbarzt delivers cutting-edge implants, biomaterials and clinic-to-lab solutions.



R&D



R&D – Research Development

Derbarzt Implant Research Institute

We explore Advanced Dental Solutions through continuous investment in top-tier talent and cutting-edge research to deliver innovative products that meet diverse patient needs, ensure optimal safety, and satisfy dentists' exacting requirements.

Production & QC

Clean Implant Manufacturing Process

- One-Stop In-House Full Process
- From CNC to acid etching

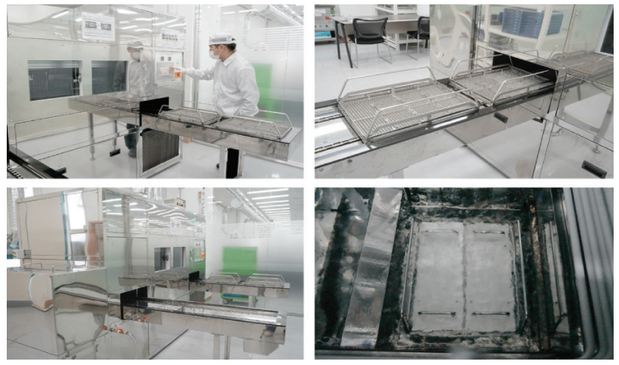
CNC Process Machining

Our state-of-the-art CNC automatic system boasts an annual capacity of 1 million implants, with a daily output of 4,000 units.

CITIZEN Cincom

Multi-Stage Cleaning Process

Initial degreasing removes oils, followed by a secondary cleaning that eliminates invisible residues and proteins. This approach ensures each implant is pure and clean.



Blasting & Etching – Advanced Surface Treatment

For surface treatment, we use an eco-friendly, automated blasting and etching system, delivering a biocompatible SLA finish for optimal osseointegration.

Final Cleanse

The final step in our production line applies auto-cleaning machines. These machines use vacuum ultrasonic cleaning technology to produce safe and clean implants of the highest standard.

DIGITAL CATALOG

Derbarzt

Reliable Dental Solutions

HUB BIOTECH

* Derbarzt is the master brand of HUB BIOTECH

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