BioInfinity®
dental implant system

PRODUCT CATALOG

BONE LEVEL

BioInfinity®
dental implant system

/bioinfinity_implants

INTRODUCTION

An Umg Uysal company, Avrupa Implant was established to manufacture high value-added products in various fields to the dental industry, particularly for Dental Implants.

Avrupa Implant, the main field of activity of which is Dental Implant systems, aims to produce scientific and technological R&D projects together with universities, improve itself and develop the industry, rise to the leading position in its field, and provide value and contribution to Turkiye in this sense, by following the technological developments closely.

Umg Uysal, which was established in 1976, has gained experience in dental industry since 1999 as well as experience in dental i mplants, the success of which has been proven in the national and international arena, since 2001.

BioInfinity Dental Implant System, which was brought to life by the production experience of experts who have served in the medical-dental industry with Umg Uysal for years, is taking firm steps further every day towards becoming a leading Implant brand with the innovative R&D studies executed in the light of scientific developments, with its professional manufacturing and quality control infrastructure, and strong sales, technical support and service networks.

Avrupa Implant owns essential knowledge and infrastructure needed to do more qualified and cost effective production in line with the needs of the sector as well as the expectations of the dentists in the dynamic developing dental sector.

Avrupa Implant has adopted achieving success in Turkiye and abroad as a principle with its corporate identity, experience and sense of quality by strictly adhering to the principles of Total Quality Management at every stage of the chain from product design to after-sales support.

BioInfinity Dental Implant System offers you and your patients a wide comfort in your clinic with its hybrid design, reverse buttress thread, mini thread on the platform part, OptimOss surface, ConFix connection, platform switch, concave abutment design, surgical and prosthetic stage color coding, torque ratchet that does not require calibrate and its more prosthetic superstructure options suitable for every indication.

There are many reasons to choose BioInfinity!

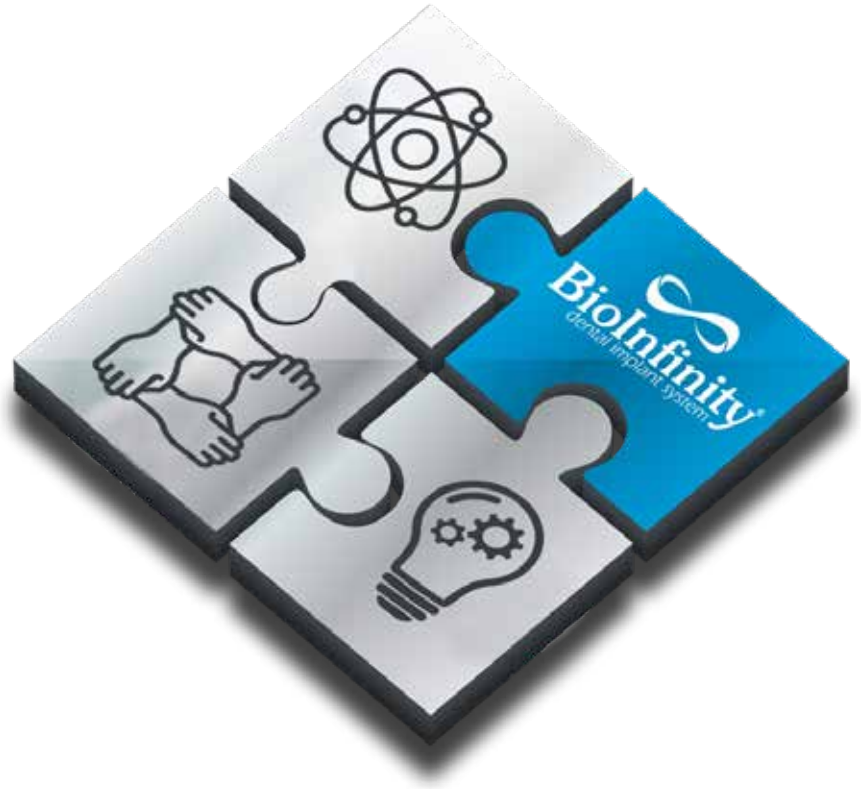
We hope you will enjoy reviewing our BioInfinity Bone Level product catalog...

Kind regards,

fatihuysal

Fatih Uysal
Vice President, Sales and Marketing

avrupa implant is an umg UYSAL MEDİKAL company



VISION

We adopt as a mission to achieve the leading position in the dental industry with our innovative works in line with the needs and expectations of dentists and patients by making a difference with the services and products we offer, and to represent Turkiye in the best way on national and international basis with the breakthroughs, adopting modern science, technology and humanely and moral values.

MISSION

As Avrupa Implant, we aim to increase the living quality of patients by giving priority to dentist and patient satisfaction from design of the products we produce within the framework of high quality standards to after-sales support.

QUALITY POLICY

As Avrupa Implant, human health is our main policy. We have adopted the principle of improving the living quality of patients by following the scientific and technological developments and providing failure-free, cost-effective and reliable products and services by improving our products in accordance with the needs and expectations of dentists and patients.

Our mission, commitment and policy is to continue our activities in accordance with human health and awareness of quality, laws and regulations, improving our processes with our entrepreneurial and innovative staff by keeping dentist and patient satisfaction as the utmost priority as well as increasing the efficiency of our quality management system.

ISO 9001:2015 ISO 13485:2016 CE 1984

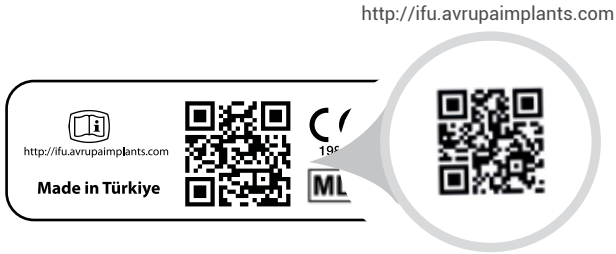
CONTENT

QUALITY CONTROL

In order to achieve the required standards and quality in the final product, BioInfinity Dental Implant System components are carefully examined by our quality control department with high precision technological devices throughout the entire production process.

CLEAN ROOM

BioInfinity Dental Implant System components are packaged in a clean room conforming to ISO Class 7 environmental requirements. Our clean room holds the criteria determined in international standards and is subject to validation periodically in order to keep the number of particles and microorganisms under control.



GS1
Singular Barcode

PACKAGING

Double sterile packaging method is used in the packaging of BioInfinity dental implants.

The risk of contamination of the Implant stored in the titanium tube is minimized.

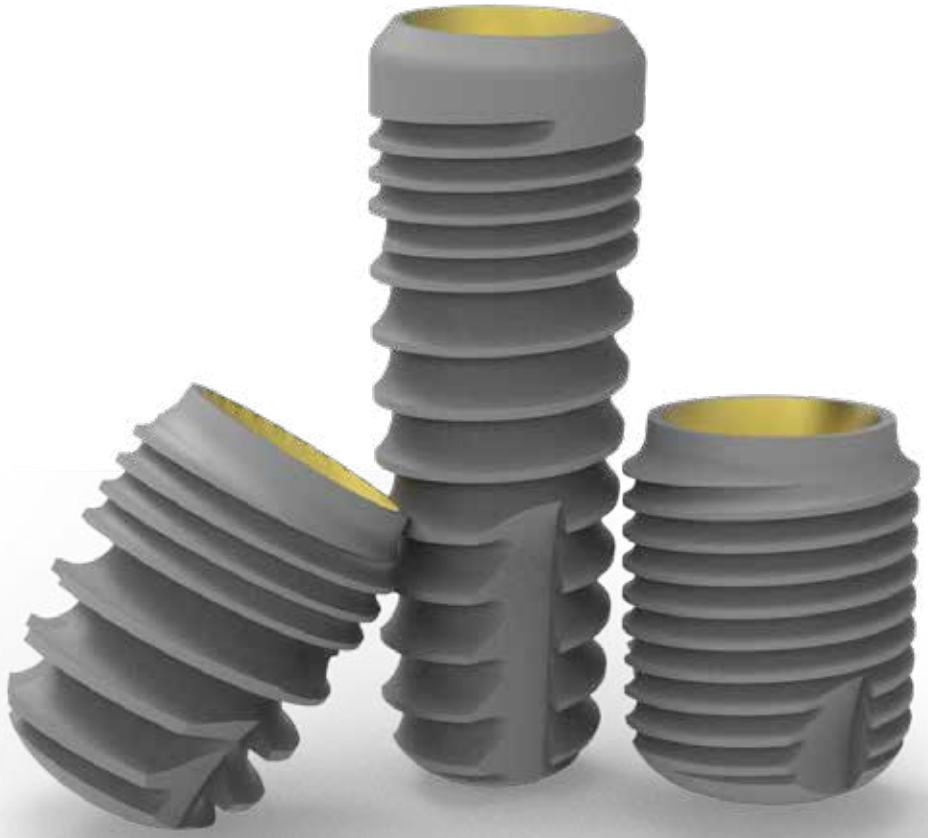
The Implant package also includes a closing screw.

The 'peel and stick' type of labels on the Implant package contain the relevant product information and surgical and prosthetic color coding. This label should be affixed to the patient's clinical record file for future reference to product information.

In addition, the labels contain the unique barcode stipulated there is a singular barcode required on the labels.

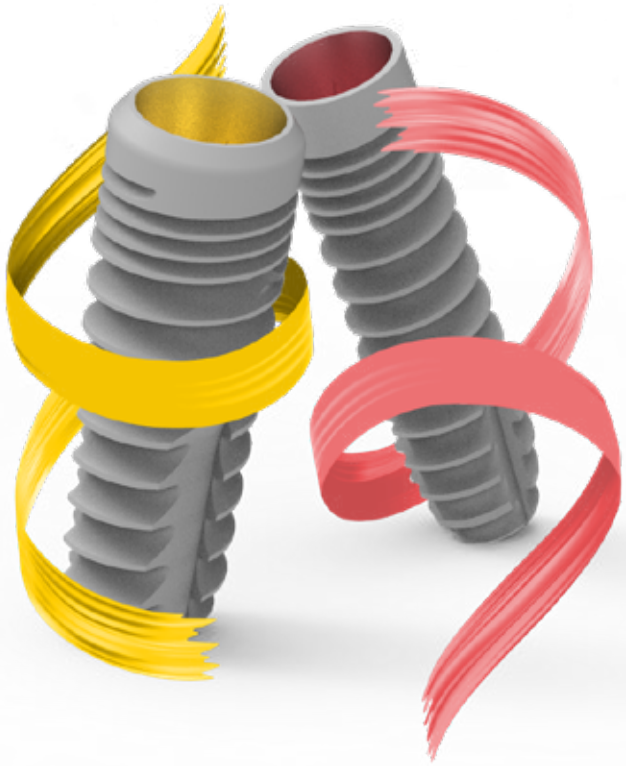
You can access the user's manuals for the products via the electronic user manual card (e-IFU) included in the product package or directly via our website (http://ifu.avrupaImplants.com).

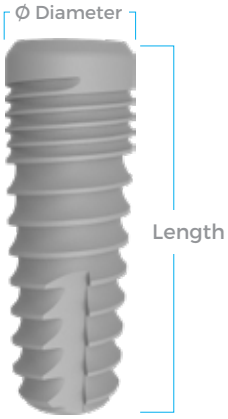

R2
EN



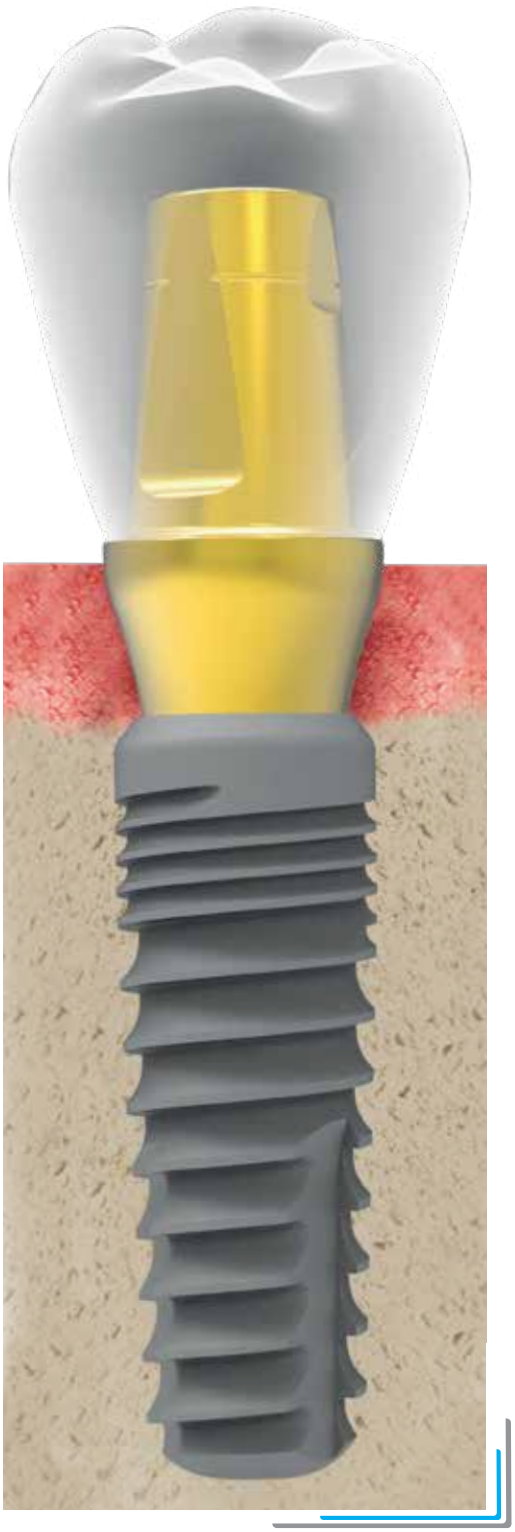
BONE LEVEL IMPLANT SYSTEM

BONE LEVEL IMPLANT SYSTEM

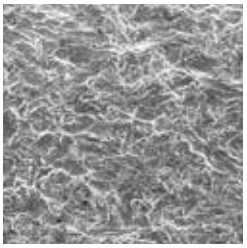




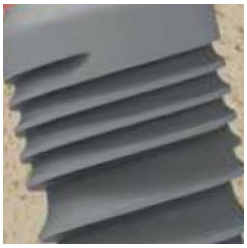
Prosthetic Platform	Junior (J)	Standard (S)			
BONE LEVEL					
Diameter	**Ø 3.2**	**Ø 3.7**	**Ø 4.2**	**Ø 4.7**	**Ø 5.2**
Length 8 mm		●	●	●	●
Length 10 mm	●	●	●	●	●
Length 12 mm	●	●	●	●	●
Length 14 mm	●	●	●	●	●
Length 16 mm	●	●	●	●	



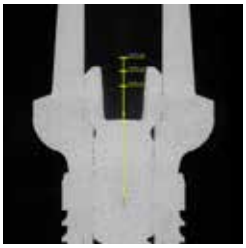
OptimOss™ Surface



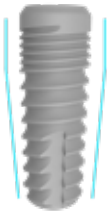
Mini Thread



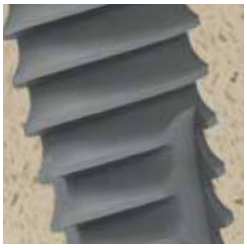
Concentric Production



Hybrid Design



Reverse Buttress Thread



Concave Abutment

Platform Switch

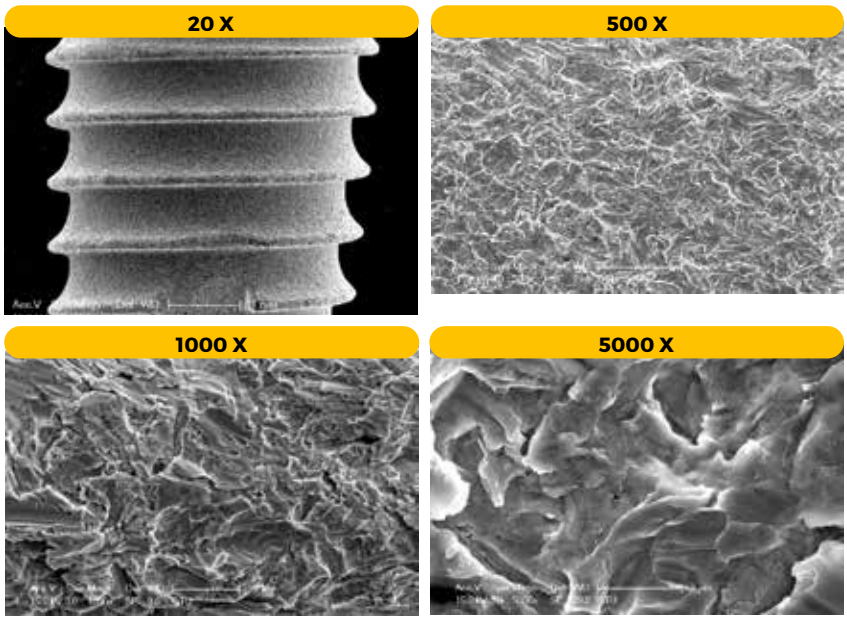
ConFix™ Connection

Color Coding

BONE LEVEL

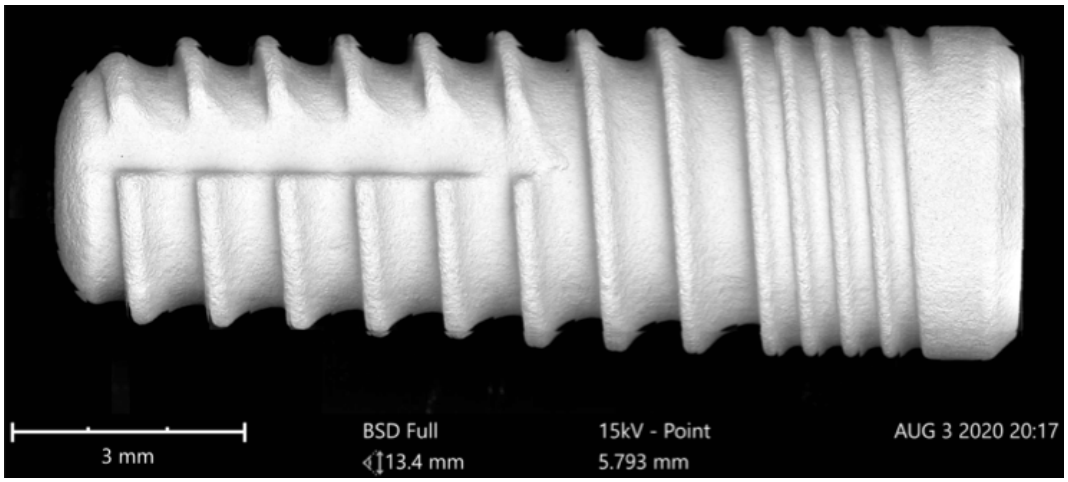
OPTIMOSS™ SURFACE

OPTIMOSS™
USA SURFACE TECHNOLOGY

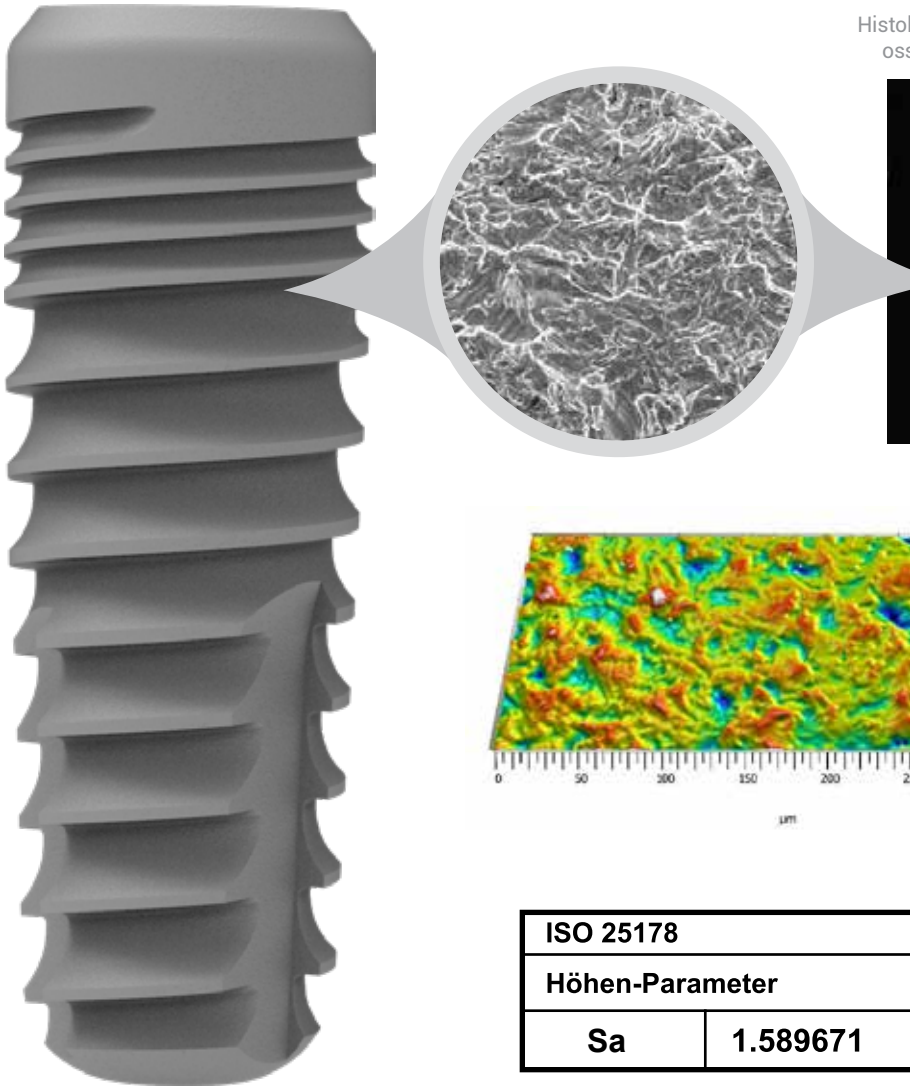


Surface technical knowledge of BioInfinity dental implants is based on surface technology transferred from the United States.

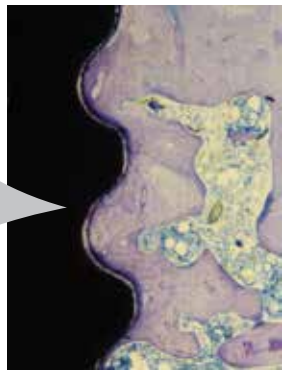
Our biocompatible, osteoconductive and resorbable BCP (Biphasic Calcium Phosphate) roughened surface contributes positively to osseointegration.

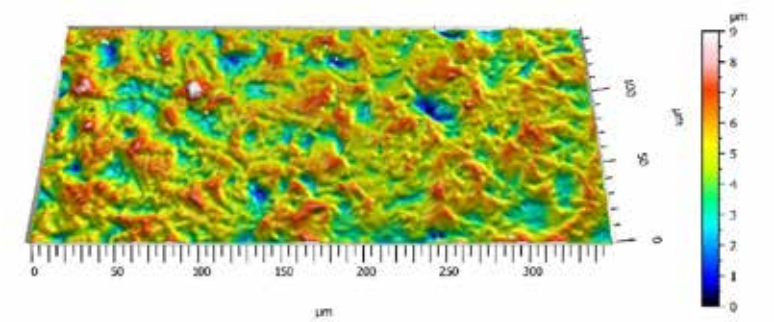


BioInfinity implant image is taken from Clean Implant "Implant Study 2017-2019" Report.



Histologic cross-sectional image of osseointegration at 12 weeks*





ISO 25178		
Höhen-Parameter		
Sa	1.589671	um

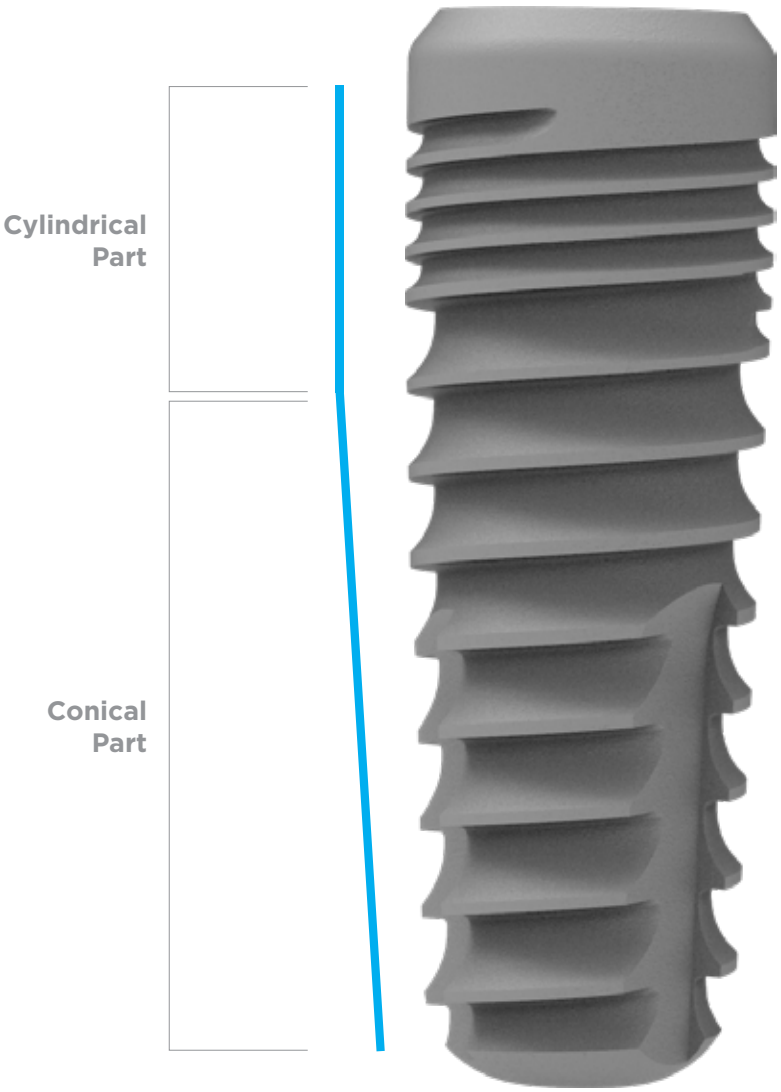
It is frequently suggested in the literature that dental implants with moderate surface roughness contribute positively to osseointegration.

Scientific studies performed in İstanbul Technical University have shown that BioInfinity dental implants have moderate surface roughness (Sa / 1-2 µm) and homogeneous surface morphology.

BioInfinity dental implants with roughness measurement after surface treatment are guaranteed to have the desired roughness value.

*Dundar Serkan, et al. "Comparison of Osseointegration of Five Different Surfaced Titanium Implants." The Journal of Craniofacial Surgery 29.7 (2018): 1991-1995.

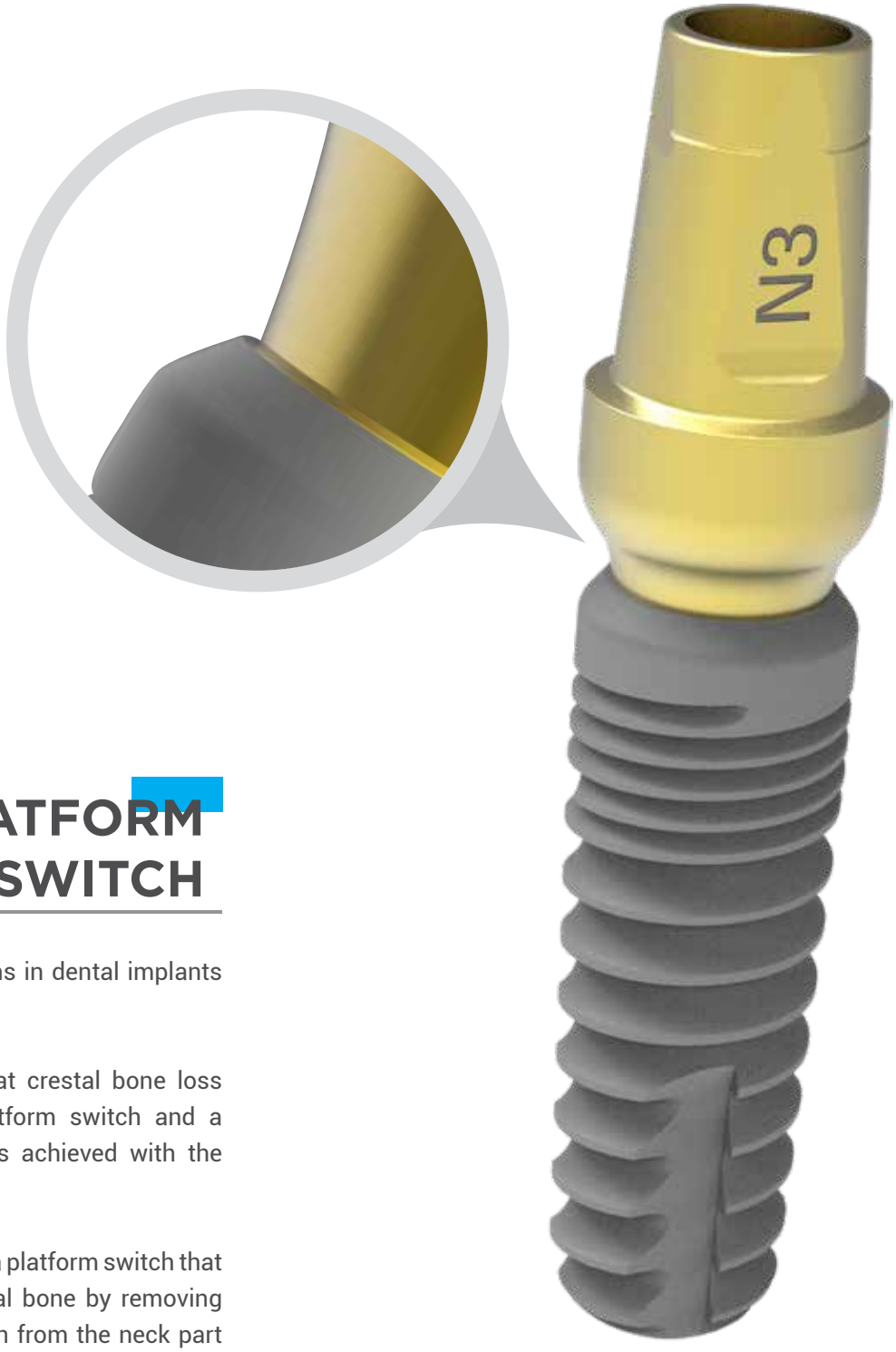
**Salimov Fariz, et al. "The effects of repeated usage of Implant drills on cortical bone temperature, primary/secondary stability and bone healing: A preclinical in vivo micro-CT study"
 Clin Oral Impl Res. 2020;00:1–7. DOI: 10.1111/clr.13603



HYBRID DESIGN

Implants with conical designs can be placed in the jawbone faster, reducing the Implantation time. Implants with cylindrical design provide more surface area and contribute positively to osseointegration.

BioInfinity dental implants have a hybrid design with an ideal combination of conical and cylindrical forms. With hybrid design, the Implant placement time is reduced, the Implant engages to the jawbone with minimum stress and maximum primary stability is achieved.



PLATFORM SWITCH

One of the most common problems in dental implants is crestal bone loss.

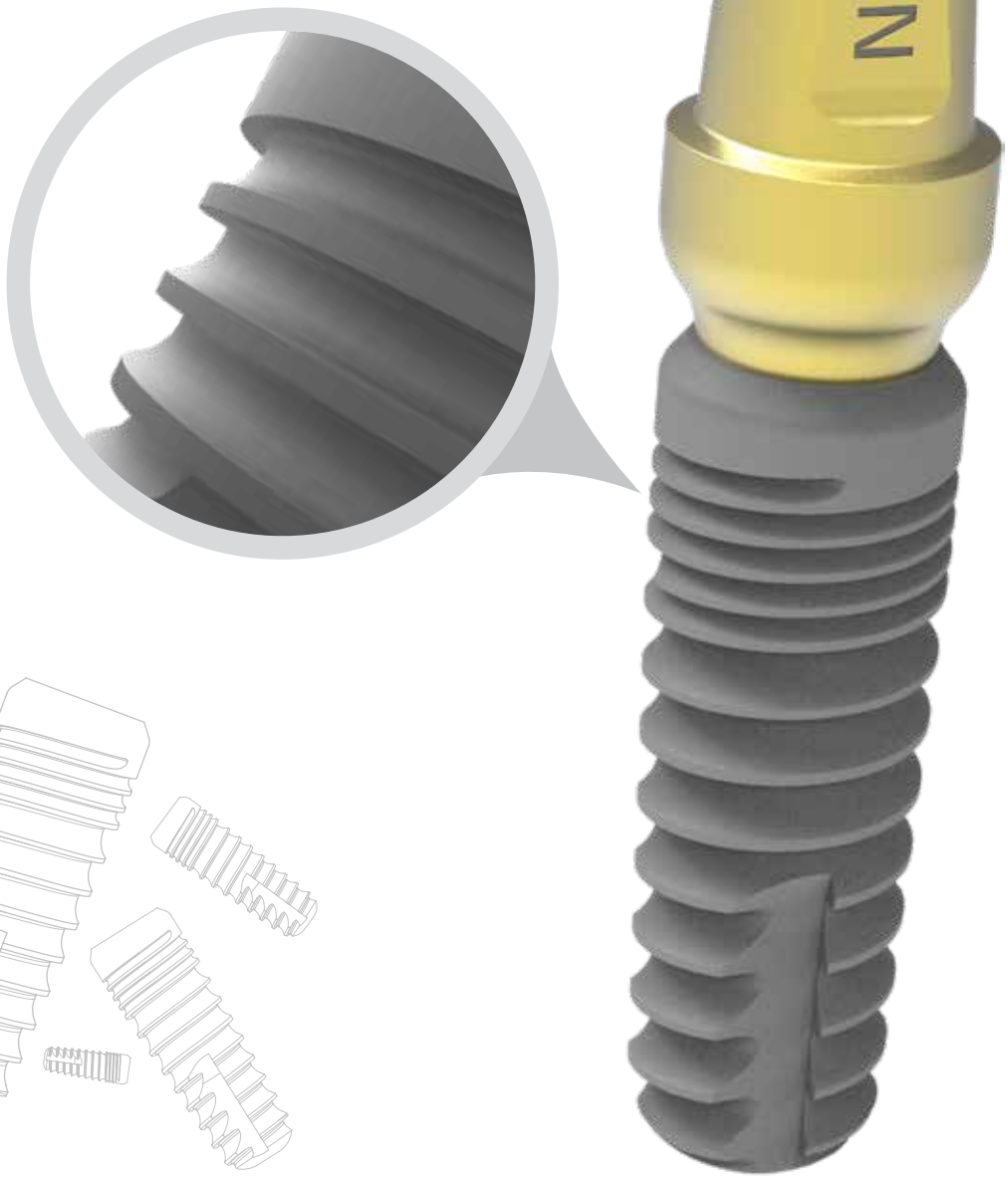
Scientific studies have shown that crestal bone loss is less in the Implants with platform switch and a successful esthetic appearance is achieved with the gingival papilla being preserved.

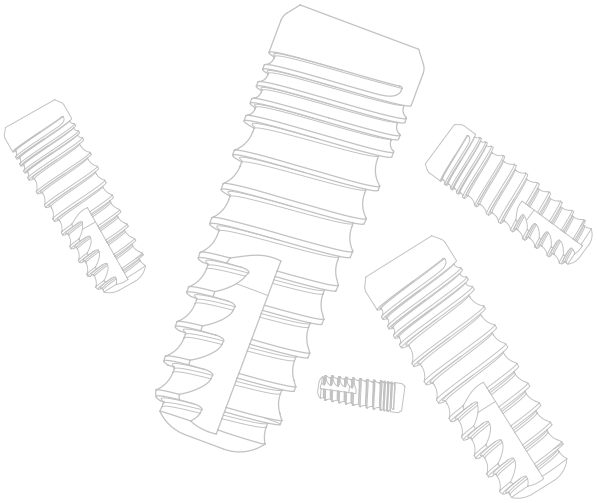
BioInfinity dental implants feature a platform switch that minimizes resorption in the crestal bone by removing the implant - abutment connection from the neck part of the implant.

MINI THREAD

The mini threads oh the neck of BioInfinity dental implant ensure the protection of marginal bone and soft tissue.

The optimal load distribution provided by the mini threads reduces the marginal bone loss.





REVERSE BUTTRESS THREAD

BioInfinity dental implants feature a wide, self-cutting, reverse buttress thread design.

With reverse buttress wide grooves;

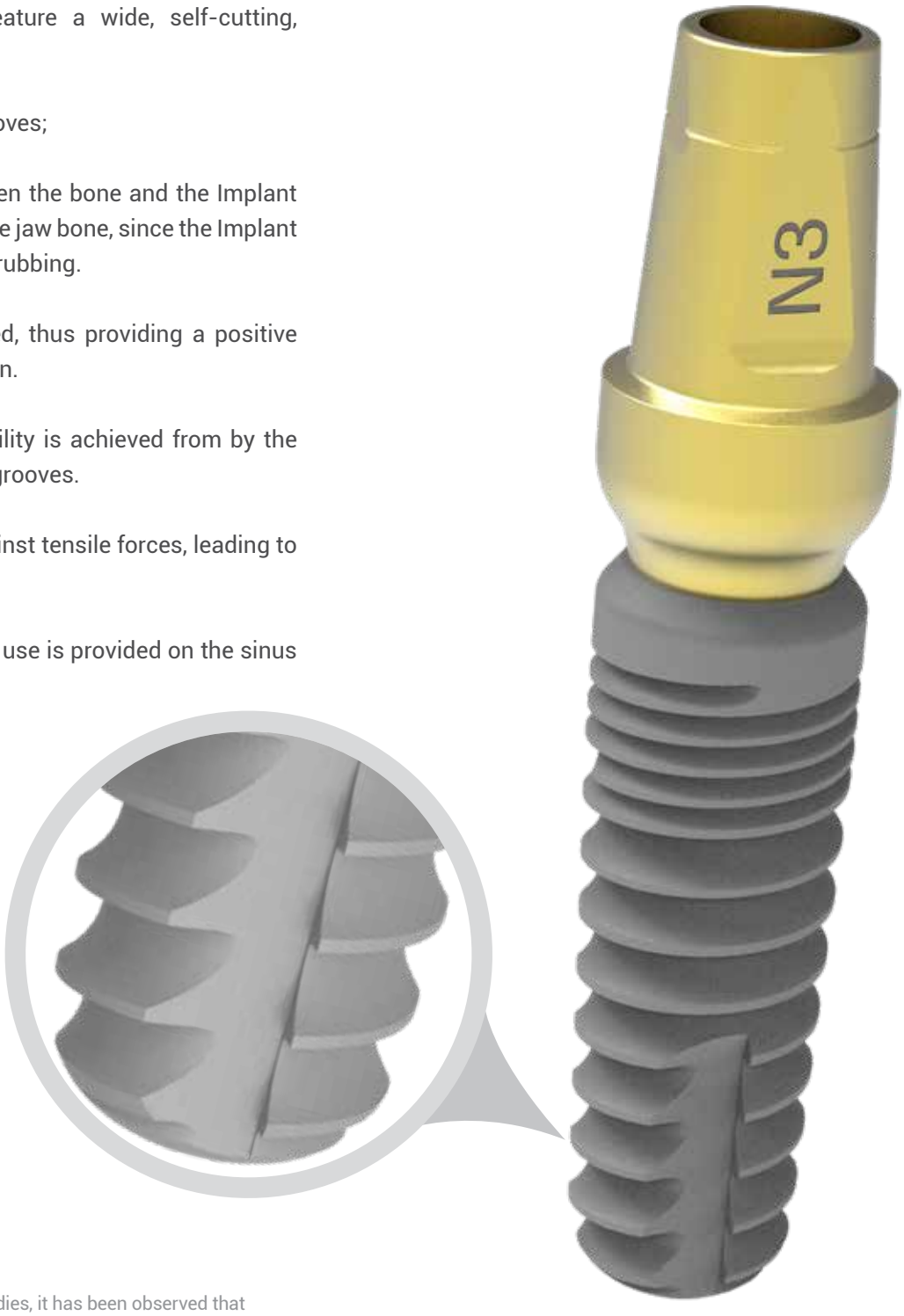
• Minimal stress occurs between the bone and the Implant while the Implant is placed in the jaw bone, since the Implant is placed by cutting instead of rubbing.

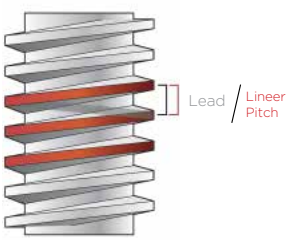
• The surface area is increased, thus providing a positive contribution to osseointegration.

• Maximum primary from stability is achieved from by the not only the apex but also the grooves.

• High resistance is shown against tensile forces, leading to immediate loading.

• Advantage of a more secured use is provided on the sinus base.





Single Thread

According to finite element analysis studies, it has been observed that single thread implants give better results when it comes to Implant stability.

* Ma, P., Liu, H.C., Li, D.H., Lin, S., Shi, Z. & Peng, Q.J. (2007) influence of helix angle and density on primary stability of immediately loaded Dental Implants: Three-dimensional finite element analysis.Zhonghua Kou Qiang Yi Xue Za Zhi 42: 618–621.

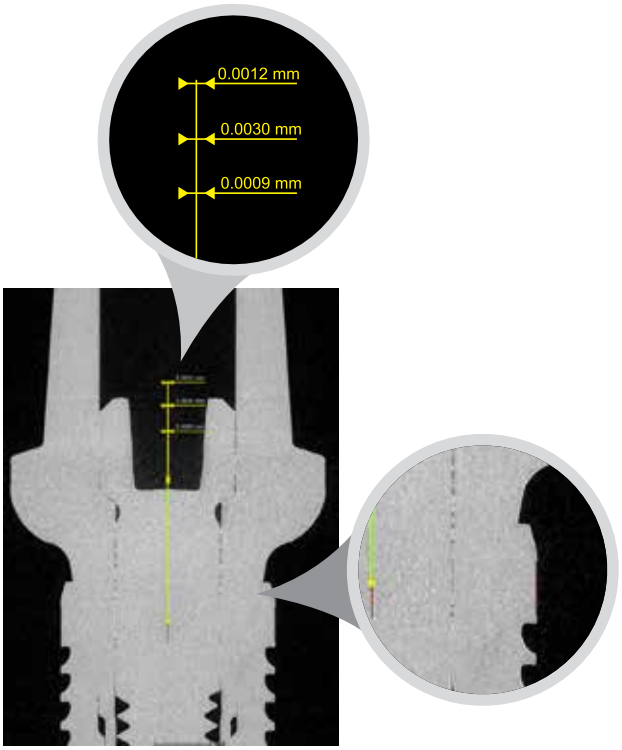
CONFIX™ CONNECTION

In BioInfinity dental implants, the abutment-implant connection is provided by an 11-degree conical hexagonal connection that prevents micro cavity and micro movement.

ConFix reduces the risk of peri-implantitis by minimizing micro leakage compared to other connection types.

ConFix protects the structure by allowing an effective distribution of the occlusal load between the implant and the abutment.

ConFix provides sufficient surface area between the implant and abutment to resist lateral movements and protects the abutment screw against shear forces. The conical hexagonal structure minimizes screw loosening by preventing rotation of abutment.



CT (Computerized Tomography) image of the torqued implant - abutment connection with 25 Ncm

CONCENTRIC PRODUCTION

Scientific studies show that most of the loads on the implant are concentrated on the abutment screw, which provides the implant-abutment connection. When the reasons for the failure of dental implants are examined, it is seen that the most common problem is screw-implant breakage. The reason for this is the inhomogeneous load distribution due to the lack of concentricity in the implant - abutment connection.

Concentricity between implant and abutment in BioInfinity dental implants has been achieved as a result of R&D studies and improvements in production, and the difference between centers has been minimized. In our quality control department, concentricity is guaranteed in BioInfinity dental implants with high precision technological devices.

CONCAVE ABUTMENT

As the result of scientific studies, it has been shown that the gingiva around natural teeth can maintain its health even when it is half the height of the gingiva; however, this ratio is reversed when it comes to the gingiva around the implants and twice the height of gingiva thickness is needed for long-term persistence.

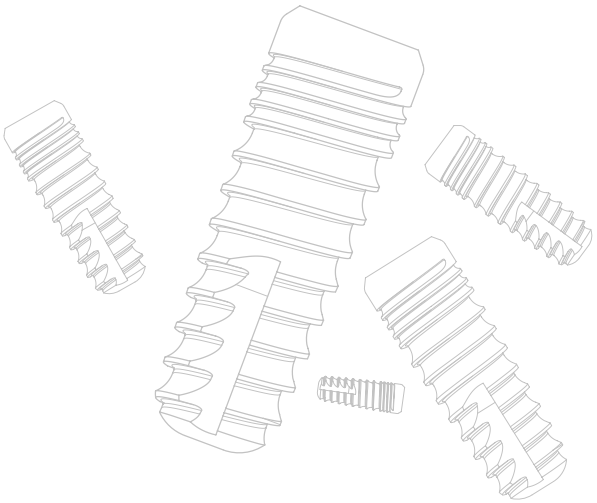
Thanks to the abutment design with BioInfinity's concave outlet profile, peri-implant allows thickening of the gingiva and provides long-term peri-implant soft tissue, and therefore hard tissue persistence.

In addition, BioInfinity's cemented abutments with different gingiva heights for each indication make it possible to avoid the risk of flood cement residues, which are the primary cause of peri-implantitis.

COLOR CODING

All components on BioInfinity Dental Implant System have color coding.

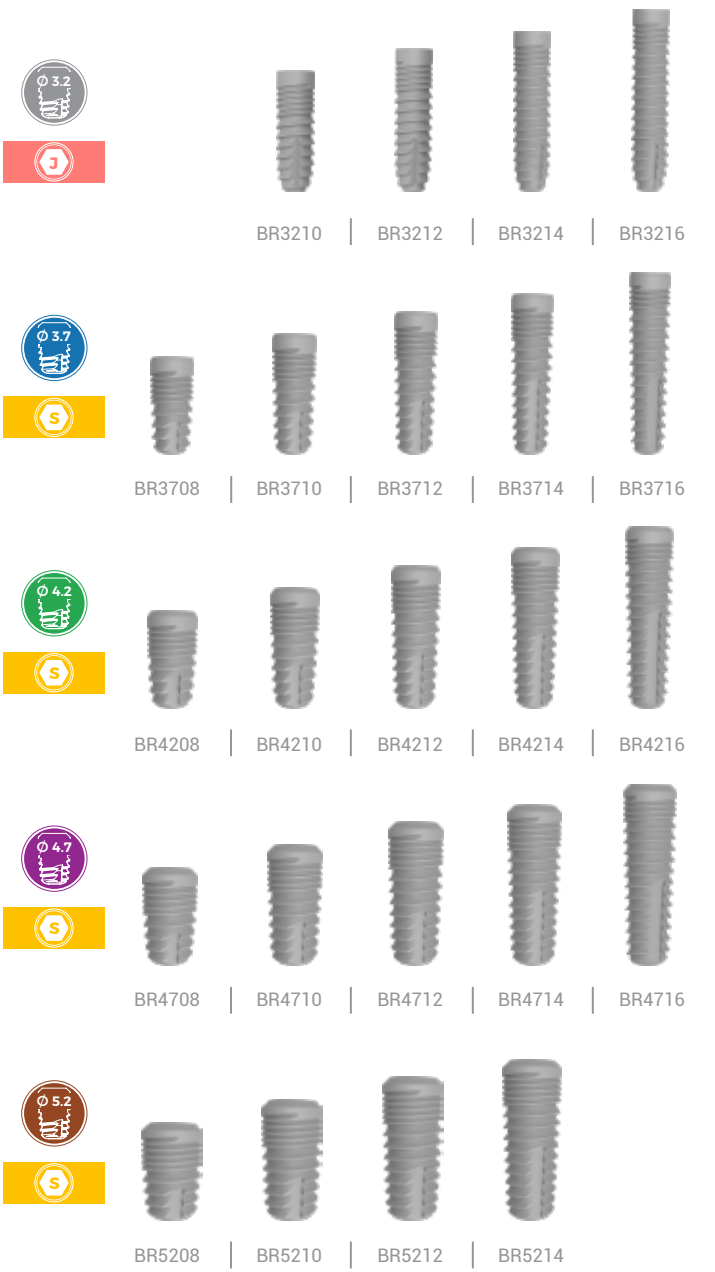
Color coding provides simple, fast and reliable application in surgical and prosthetic applications.



	J	S			
Prosthetic Color Code	Junior	Standard			
Surgical Color Code	Ø 3.2	Ø 3.7	Ø 4.2	Ø 4.7	Ø 5.2
BONE LEVEL	Ø 3.2	Ø 3.7	Ø 4.2	Ø 4.7	Ø 5.2

BONE LEVEL IMPLANT SYSTEM

Length	8 mm	10 mm	12 mm	14 mm	16 mm
Ø 3.2 J		BR3210	BR3212	BR3214	BR3216
Ø 3.7 S	BR3708	BR3710	BR3712	BR3714	BR3716
Ø 4.2 S	BR4208	BR4210	BR4212	BR4214	BR4216
Ø 4.7 S	BR4708	BR4710	BR4712	BR4714	BR4716
Ø 5.2 S	BR5208	BR5210	BR5212	BR5214	



Closing Screw

Junior J | Standard S

BCSJ | BCSS

* Implants are packaged with a closing screw
* Ti-Gr 23 (Ti6Al4V ELI)

CNC / MACHINING CENTER

BONE LEVEL IMPLANT SYSTEM

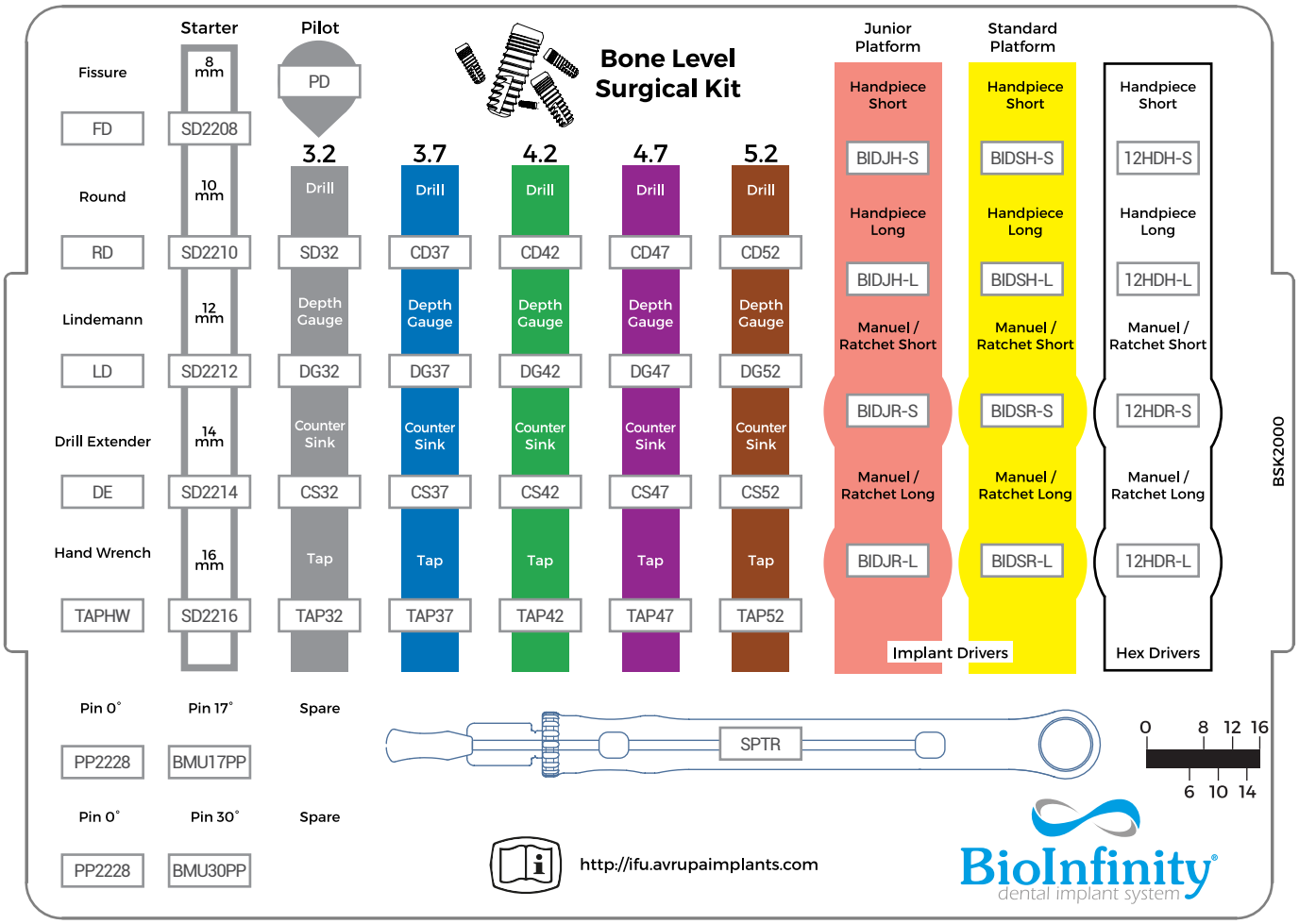
SURGICAL

SURGICAL KIT

Surgical Kit (Complete)

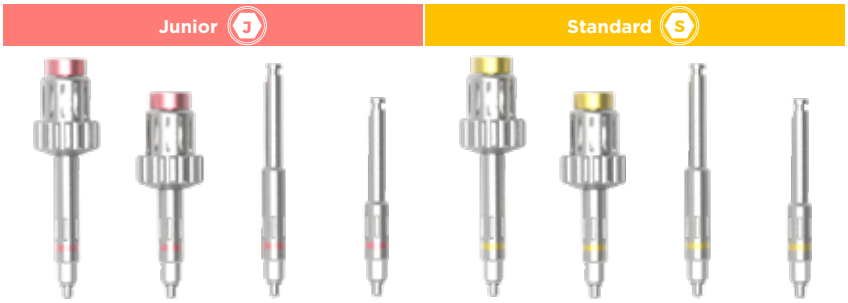
Product Code | BSK2000


Bone Level
Surgical Kit
BioInfinity

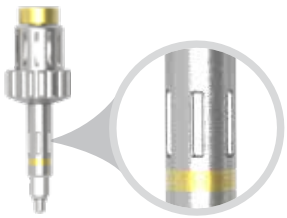

Bone Level
Surgical Kit
Starter
Pilot
Junior Platform
Standard Platform
Fissure
8 mm
PD
Handpiece Short
Handpiece Short
Handpiece Short
FD
SD2208
3.2
3.7
4.2
4.7
5.2
BIDJH-S
BIDSH-S
12HDH-S
Round
10 mm
Drill
Drill
Drill
Drill
Drill
Handpiece Long
Handpiece Long
Handpiece Long
RD
SD2210
SD32
CD37
CD42
CD47
CD52
BIDJH-L
BIDSH-L
12HDH-L
Lindemann
12 mm
Depth Gauge
Depth Gauge
Depth Gauge
Depth Gauge
Depth Gauge
Manuel / Ratchet Short
Manuel / Ratchet Short
Manuel / Ratchet Short
LD
SD2212
DG32
DG37
DG42
DG47
DG52
BIDJR-S
BIDSR-S
12HDR-S
Drill Extender
14 mm
Counter Sink
Counter Sink
Counter Sink
Counter Sink
Counter Sink
Manuel / Ratchet Long
Manuel / Ratchet Long
Manuel / Ratchet Long
DE
SD2214
CS32
CS37
CS42
CS47
CS52
BIDJR-L
BIDSR-L
12HDR-L
Hand Wrench
16 mm
Tap
Tap
Tap
Tap
Tap
Implant Drivers
Hex Drivers
TAPHW
SD2216
TAP32
TAP37
TAP42
TAP47
TAP52
BSK2000
Pin 0°
Pin 17°
Spare
SPTR
0 8 12 16
6 10 14
PP2228
BMU17PP
Pin 0°
Pin 30°
Spare
PP2228
BMU30PP
http://ifu.avrupaimplants.com
BioInfinity
dental implant system

The color coding of the implant diameters are available on drills, depth gauges, counter sinks and taps

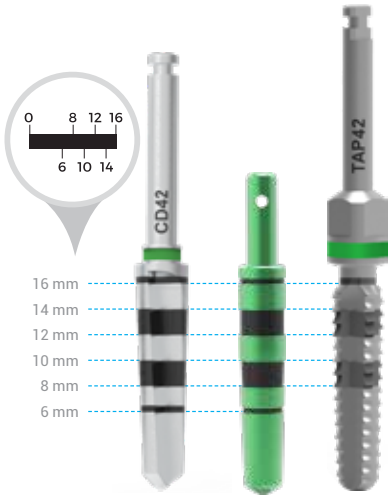
8, 10, 12 and 14 mm starter drills have stopper, 16mm ones don't stopper



The color coding of the implant drivers is the same as the prosthetic platforms of the implants



The fact that either one of the 6 channels on the implant drivers corresponds to the buccal provides more optimal positioning of the angled abutments



Drill length is 0.5mm longer than implant length

The laser lines on the drills and taps are designed to ensure secure application

Implant Handle

Product Code | SPH1000

Designed for implant placement in the upper jaw anterior region

Surgical and Prosthetic Torque Ratchet

Product Code | SPTR

Starter Drill

Ø 2.2x8	Ø 2.2x10	Ø 2.2x12	Ø 2.2x14	Ø 2.2x16

SD2208 | SD2210 | SD2212 | SD2214 | SD2216

Final Drill

Ø 3.2	Ø 3.7	Ø 4.2	Ø 4.7	Ø 5.2

SD32 | CD37 | CD42 | CD47 | CD52

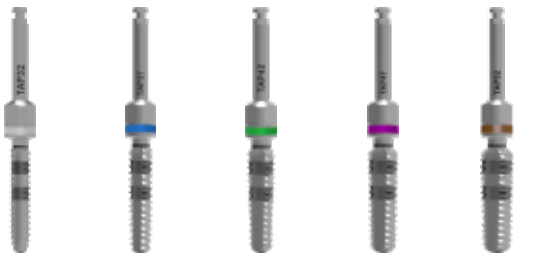
Depth Gauge

DG32 | DG37 | DG42 | DG47 | DG52

Counter Sink

CS32 | CS37 | CS42 | CS47 | CS52

Tap



TAP32 | TAP37 | TAP42 | TAP47 | TAP52

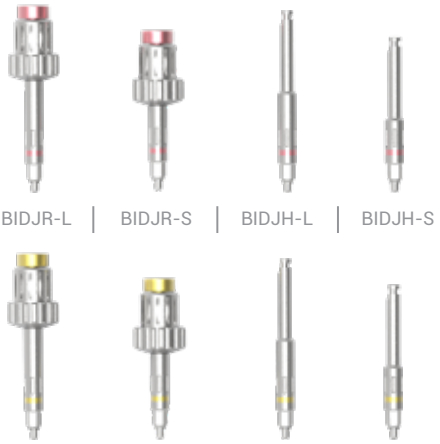
Drill

Round	Fissure	Lindemann	Pilot

RD | FD | LD | PD

Implant Driver

	Manual / Ratchet		Handpiece	
	Long	Short	Long	Short
Junior	BIDJR-L	BIDJR-S	BIDJH-L	BIDJH-S
Standard	BIDSR-L	BIDSR-S	BIDSH-L	BIDSH-S



Hex Driver

Manual / Ratchet		Handpiece	
Long	Short	Long	Short
12HDR-L	12HDR-S	12HDH-L	12HDH-S

Pin

0°	17°	30°

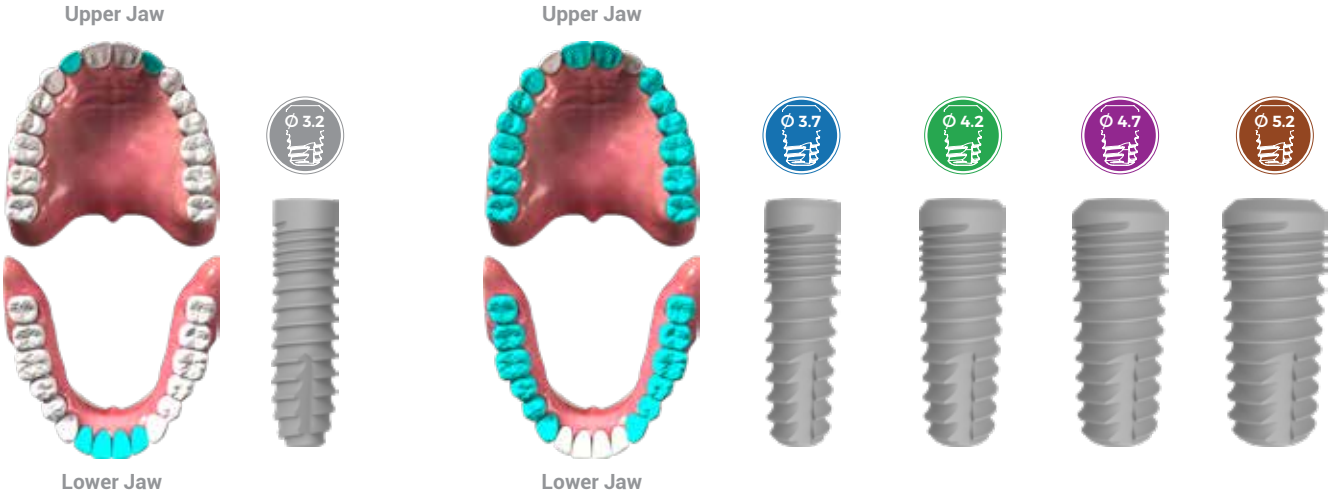
PP2228 | BMU17PP | BMU30PP

Other

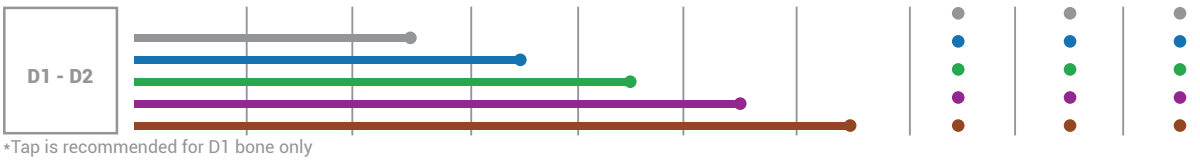
Hand Wrench	Drill Extender

TAPHW | DE

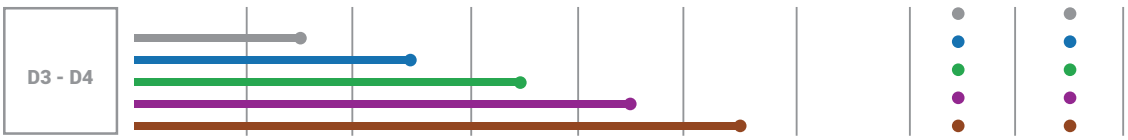
DRILL PROTOCOL



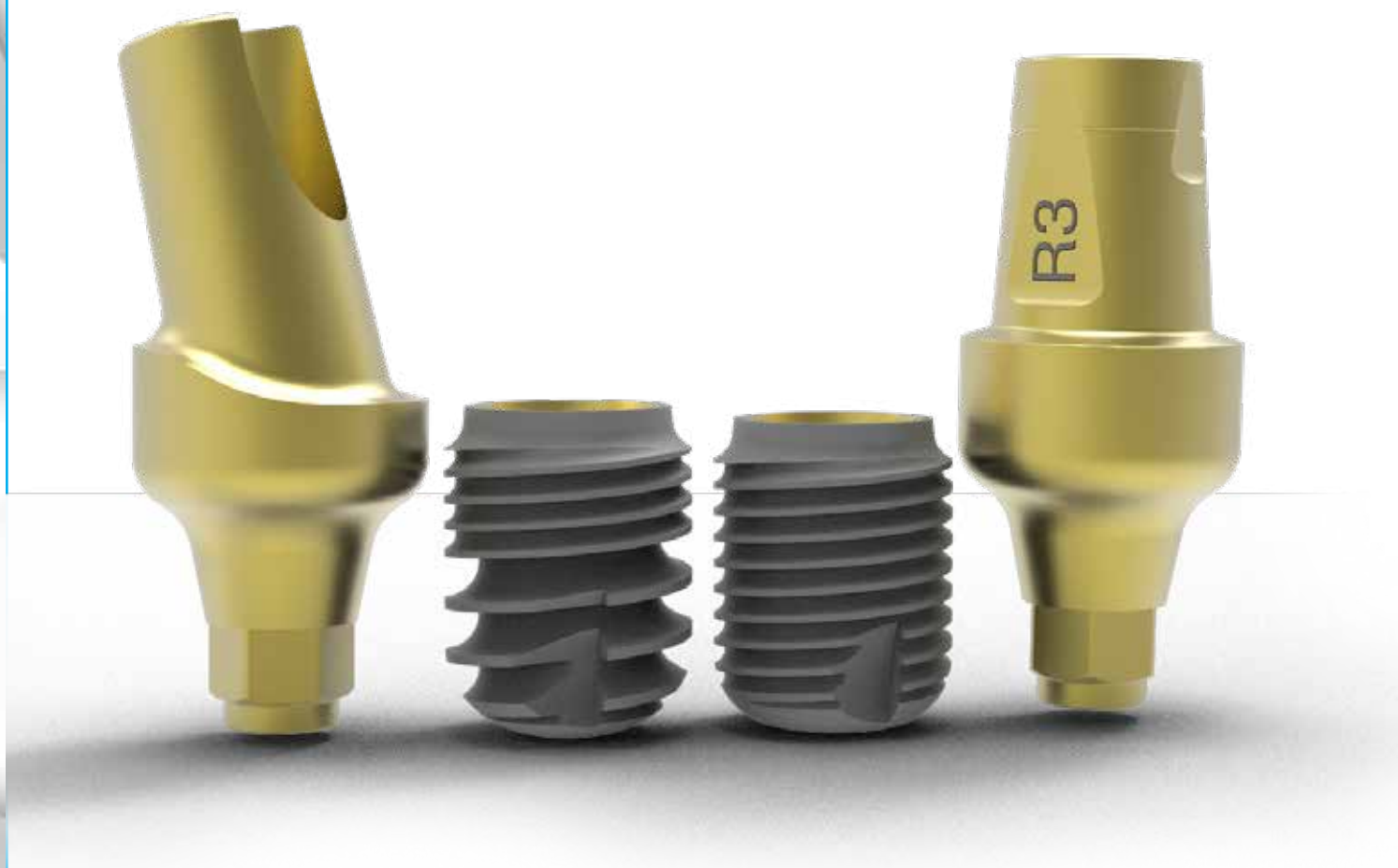
* It is recommended to use Ø 3.2 implant in the upper jaw lateral, lower jaw central and lateral



*Tap is recommended for D1 bone only



BONE LEVEL SHORT IMPLANT SYSTEM



BONE LEVEL SHORT HARD

Standard S

Ø 4.2	Ø 4.7	Ø 5.2
BR4206H	BR4706H	BR5206H

6 mm

BONE LEVEL SHORT SOFT

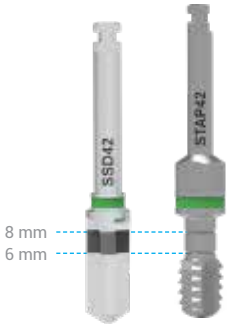
Standard S

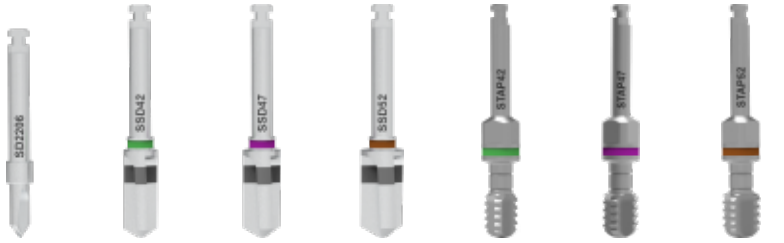
Ø 4.2	Ø 4.7	Ø 5.2
BR4206S	BR4706S	BR5206S

6 mm

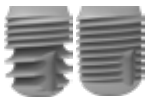
Surgical Kit Short

Product Code | BSSKIT





SD2206 | SSD42 | SSD47 | SSD52 | STAP42 | STAP47 | STAP52



	Drill Protocol Short Implant									
	Starter Drill	Pilot Drill	3.2 Drill	3.7 Drill	4.2 Drill	4.2 Drill Short	4.7 Drill	4.7 Drill Short	5.2 Drill	5.2 Drill Short
	SD2206	PD	SD32	CD37	CD42	SSD42	CD47	SSD47	CD52	SSD52
Ø 4.2	●	●	●	●	●	●				
Ø 4.7	●	●	●	●	●		●	●		
Ø 5.2	●	●	●	●	●		●		●	●

Tap is recommended for D1 bone only

Standard S 0 mm | Standard S 1 mm

BSCS0 | BSCS1

*Designed to the implant placement on the sinus floor in safety
* Ti-Gr 23 (Ti6Al4V ELI)

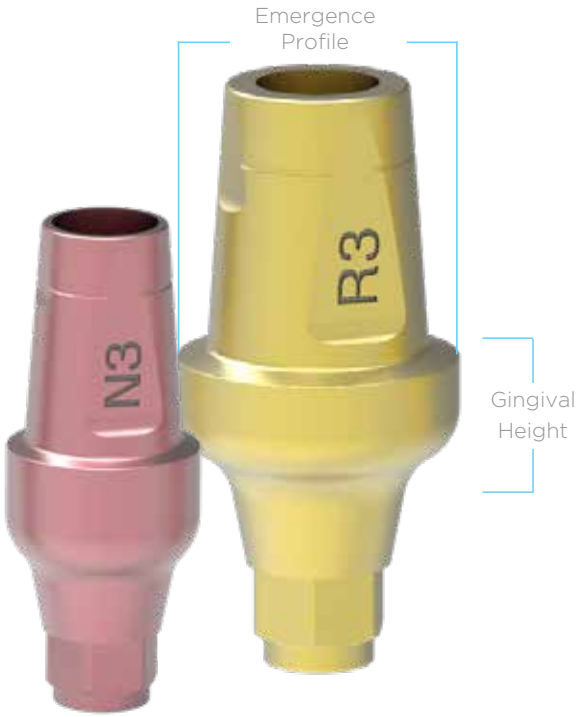
SINUS CLOSING SCREW

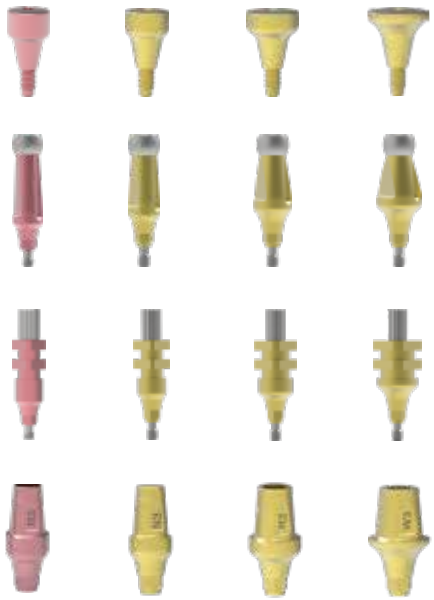
QUALITY CONTROL CENTER

BONE LEVEL IMPLANT SYSTEM

PROSTHESIS

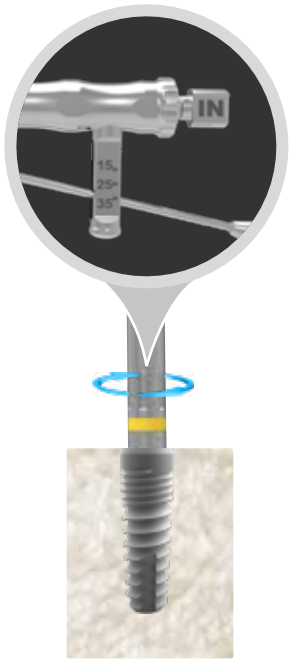
Prosthetic Color	Junior (J)	Standard (S)		
Emergence Profile	Narrow (N)	Narrow (N)	Regular (R)	Wide (W)
Emergence Profile Ø	Ø 4.0	Ø 4.5	Ø 5.5	Ø 6.5



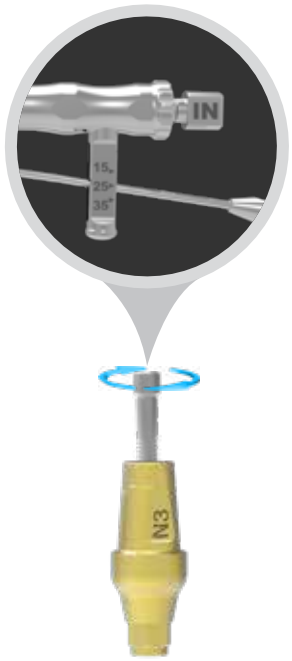


It is necessary to use a healing abutment and transfer coping with an emergency profile the same as abutment you prefer

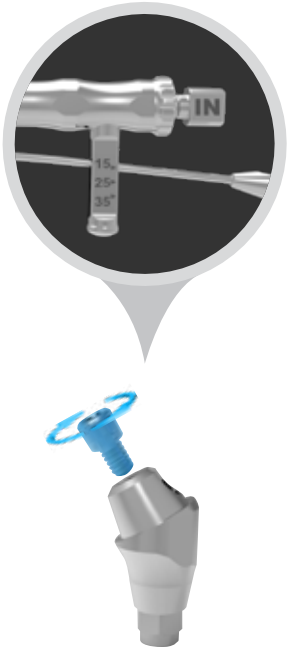
Color coding and laser marking in prosthetic parts
provide simple, fast and reliable application in prosthetic applications



Implant Placement
≤ 35 Ncm



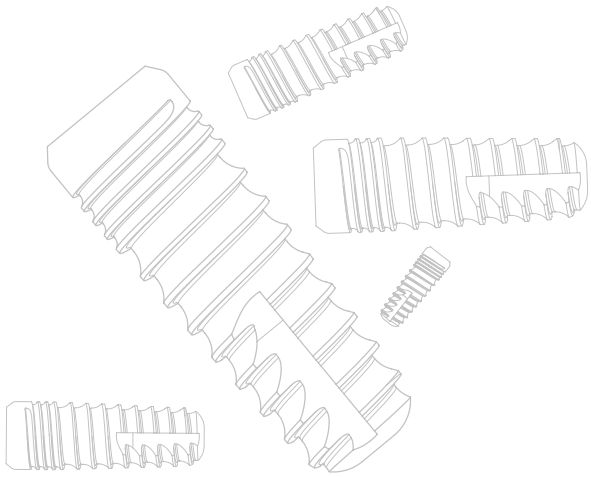
Implant Level Final Restorations
25 Ncm



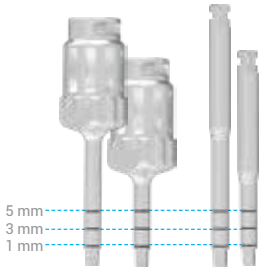
Abutment Level Final Restorations
15 Ncm

Torque Guide	
Application	**Torque Value***
Implant Placement	≤ 35 Ncm
Healing Abutment	Manually (5 - 10 Ncm)
Temporary Restorations	15 Ncm
Implant Level Final Restorations	25 Ncm
Abutment Level Final Restorations	15 Ncm

*Recommended torque values



HEALING ABUTMENT



The laser marks on the hex drivers are designed to select the appropriate height of healing abutments

Gingival Height	1 mm	2 mm	3 mm	4 mm	5 mm	7 mm
Narrow (J)	BHAJN1	BHAJN2	BHAJN3	BHAJN4	BHAJN5	BHAJN7
Narrow (S)	BHASN1	BHASN2	BHASN3	BHASN4	BHASN5	BHASN7
Regular (S)		BHASR2	BHASR3	BHASR4	BHASR5	BHASR7
Wide (S)			BHASW3	BHASW4	BHASW5	BHASW7

* Ti-Gr 23 (Ti6Al4V ELI)
* Torque value: Manually (5 - 10 Ncm)

TRANSFER COPING

Closed Tray

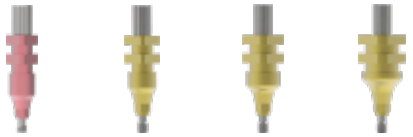
Junior	Standard		
Narrow (N)	Narrow (N)	Regular (R)	Wide (W)

BTCJN | BTCSN | BTCSR | BTCSW

* Closed tray technique is used to take impression at implant level
* It is packaged with BTCScJ for junior platforms and with BTCScS transfer coping screw for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: Manually (5 - 10 Ncm)

Open Tray

Junior	Standard		
Narrow (N)	Narrow (N)	Regular (R)	Wide (W)



BICJN | BICSN | BICSR | BICSW

* Open tray technique is used to take impression at implant level
* It is packaged with BICScJ for junior platforms and with BICScS transfer coping screw for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: Manually (5 - 10 Ncm)

LAB ANALOG

Lab Analog

Junior	Standard

BLAJ | BLAS

* Ti-Gr 23 (Ti6Al4V ELI)

LAB ABUTMENT SCREW

Lab Abutment Screw

Junior	Standard

BASJ-LAB | BASS-LAB

* Ti-Gr 23 (Ti6Al4V ELI)

LABORATORY

STRAIGHT ABUTMENT

Straight Abutment

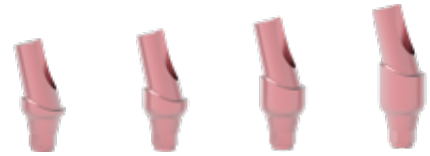
Gingival Height	1 mm	2 mm	3 mm	4 mm	5 mm
Narrow (J)	BSAJN1	BSAJN2	BSAJN3	BSAJN4	BSAJN5
Narrow (S)	BSASN1	BSASN2	BSASN3	BSASN4	BSASN5
Regular (S)		BSASR2	BSASR3	BSASR4	BSASR5
Wide (S)			BSASW3	BSASW4	BSASW5

* Used to create a cement-retained, single or multiple-unit prostheses
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm

ANGLED ESTHETIC ABUTMENT

Angled Esthetic Abutment 15°

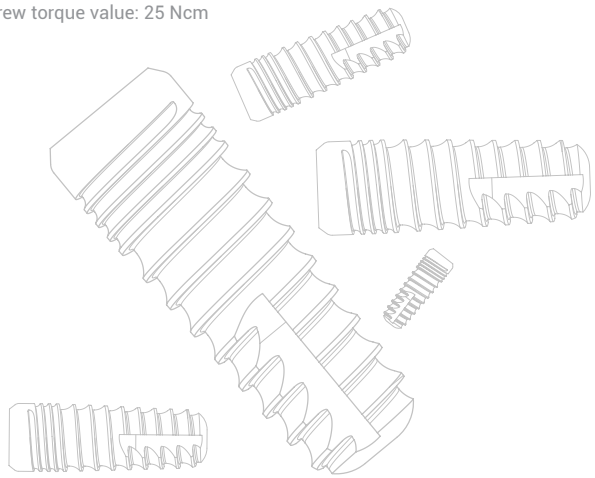
Gingival Height	1/2 mm	2/3 mm	3/4 mm	4/5 mm
Narrow (J)	BAEJ15N12	BAEJ15N23	BAEJ15N34	BAEJ15N45
Narrow (S)	BAES15N12	BAES15N23	BAES15N34	BAES15N45
Regular (S)		BAES15R23	BAES15R34	BAES15R45
Wide (S)			BAES15W34	BAES15W45



Angled Esthetic Abutment 25°

1/2 mm	2/3 mm	3/4 mm	4/5 mm
BAES25N12	BAES25N23	BAES25N34	BAES25N45
	BAES25R23	BAES25R34	BAES25R45
		BAES25W34	BAES25W45

* Used to create a cement-retained, single or multiple-unit prostheses
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm



Abutment Screw

Junior (J) | Standard (S)

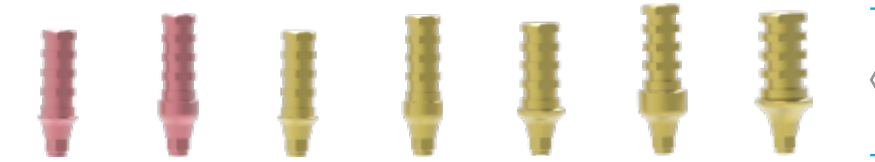
BASJ | BASS

* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm

TEMPORARY ABUTMENT

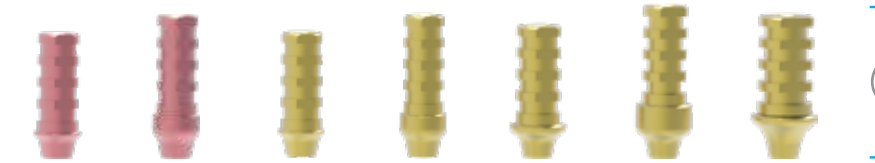
Temporary Abutment - Titanium

Junior (J)		Standard (S)				
Narrow (N)		Narrow (N)		Regular (R)		Wide (W)
1 mm	3 mm	1 mm	3 mm	2 mm	4 mm	3 mm



Hexed

BTTAJN1-H | BTTAJN3-H | BTTASN1-H | BTTASN3-H | BTTASR2-H | BTTASR4-H | BTTASW3-H



Non-Hexed

BTTAJN1-NH | BTTAJN3-NH | BTTASN1-NH | BTTASN3-NH | BTTASR2-NH | BTTASR4-NH | BTTASW3-NH

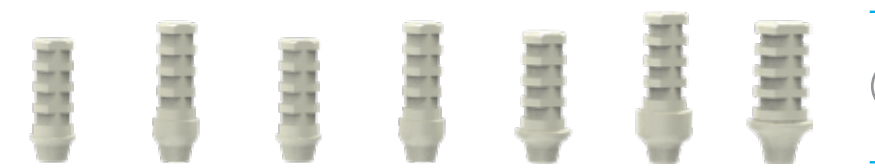
* Use hexed abutments for single-unit, screw-retained or cement-retained, custom abutment restorations
* Use non-hexed abutment for multiple unit, screw-retained restorations
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm

Temporary Abutment - PEEK

Junior (J)		Standard (S)				
Narrow (N)		Narrow (N)		Regular (R)		Wide (W)
1 mm	3 mm	1 mm	3 mm	2 mm	4 mm	3 mm

Hexed

BPTAJN1-H | BPTAJN3-H | BPTASN1-H | BPTASN3-H | BPTASR2-H | BPTASR4-H | BPTASW3-H



Non-Hexed

BPTAJN1-NH | BPTAJN3-NH | BPTASN1-NH | BPTASN3-NH | BPTASR2-NH | BPTASR4-NH | BPTASW3-NH

* Use for fabrication of cement or screw-retained provisional restorations (up to 30 days)
* Use hexed abutments for single-unit, screw-retained or cement-retained, custom abutment restorations
* Use non-hexed abutment for multiple unit, screw-retained restorations
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm

Abutment Holder	
Product Code	BTAH

Designed to modification of the temporary abutment

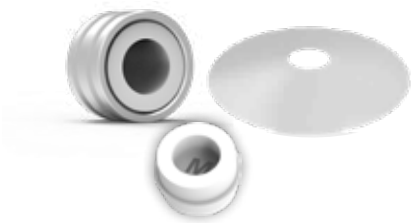
BioMatrix™ Overdenture Solutions

BIOBALL™ SYSTEM

BioBall™ Abutment

Gingival Height	1 mm	2 mm	3 mm	4 mm	5 mm
					
Junior (J)	BBAJN1	BBAJN2	BBAJN3	BBAJN4	BBAJN5
					
Standard (S)	BBASN1	BBASN2	BBASN3	BBASN4	BBASN5

* Use for retention of implant supported overdentures
* Packaged with BioBall Set
* Ti-Gr 23 (Ti6Al4V ELI)
* Torque value: 25 Ncm



BioBall Set

Product Code | BBSET

* Includes; Metal Housing (with L BioBall insert), Protective Disc, M BioBall PEEK insert

BioBall Lab Analog

Product Code | BBLA

* Ti-Gr 23 (Ti6Al4V ELI)

BioBall™ PEEK Insert

L	S	M	H
For Lab	Soft Retention 600 gram	Medium Retention 1000 gram	High Retention 1400 gram
			
BBL4	BBS4	BBM4	BBH4

* 4 per package
* Medical Grade PEEK

RHEIN83

Rhein83

Ball Abutment Set

Product Code | BBASET

Includes; Inox Housing, Black nylon insert,
Pink nylon insert, Clear nylon insert, Protective disc

Ball Abutment Nylon Insert

Black	Pink	Clear
For Lab	900 gram	1300 gram
BBANI-B	BBANI-P	BBANI-C

BioMatrix™ Overdenture Solutions

BIOLOC™ SYSTEM

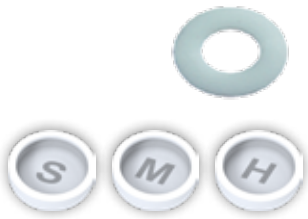
BioInfinity

BioLoc™ Abutment

Gingival Height	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	Angled 1.5 mm	Angled 3 mm
Junior (J)	BLOAJ1	BLOAJ2	BLOAJ3	BLOAJ4	BLOAJ5	BLOAJ6	BLOA15J1.5	BLOA15J3
Standard (S)	BLOAS1	BLOAS2	BLOAS3	BLOAS4	BLOAS5	BLOAS6	BLOA15S1.5	BLOA15S3

* Use with overdentures or partial dentures retained whole or in part by dental implants in the mandible or maxilla
* Packaged BioLoc angled abutment with an abutment screw, BASJ for junior platform and BASS for standard platform
* TiN coated
* Ti-Gr 23 (Ti6Al4V ELI)
* Torque value: 25 Ncm

Hex Driver is used to carry and torque the BioLoc abutment, no special driver is needed!



BioLoc Set

Product Code | BLSET

* Includes; Metal Housing (with L BioLoc insert), Protective disc, S-M-H BioLoc PEEK inserts

BioLoc Set Mini

Product Code | BLSET-ECO

* Includes; Metal Housing (with L BioLoc insert), Protective disc, M BioLoc PEEK insert

BioLoc™ Parts

Transfer Coping	Lab Analog
	
DKI4845	DKA3854

BioLoc™ PEEK Insert

L	S	M	H
For Lab	Soft Retention 700 gram	Medium Retention 1400 gram	High Retention 2300 gram
			
BLL4	BLS4	BLM4	BLH4

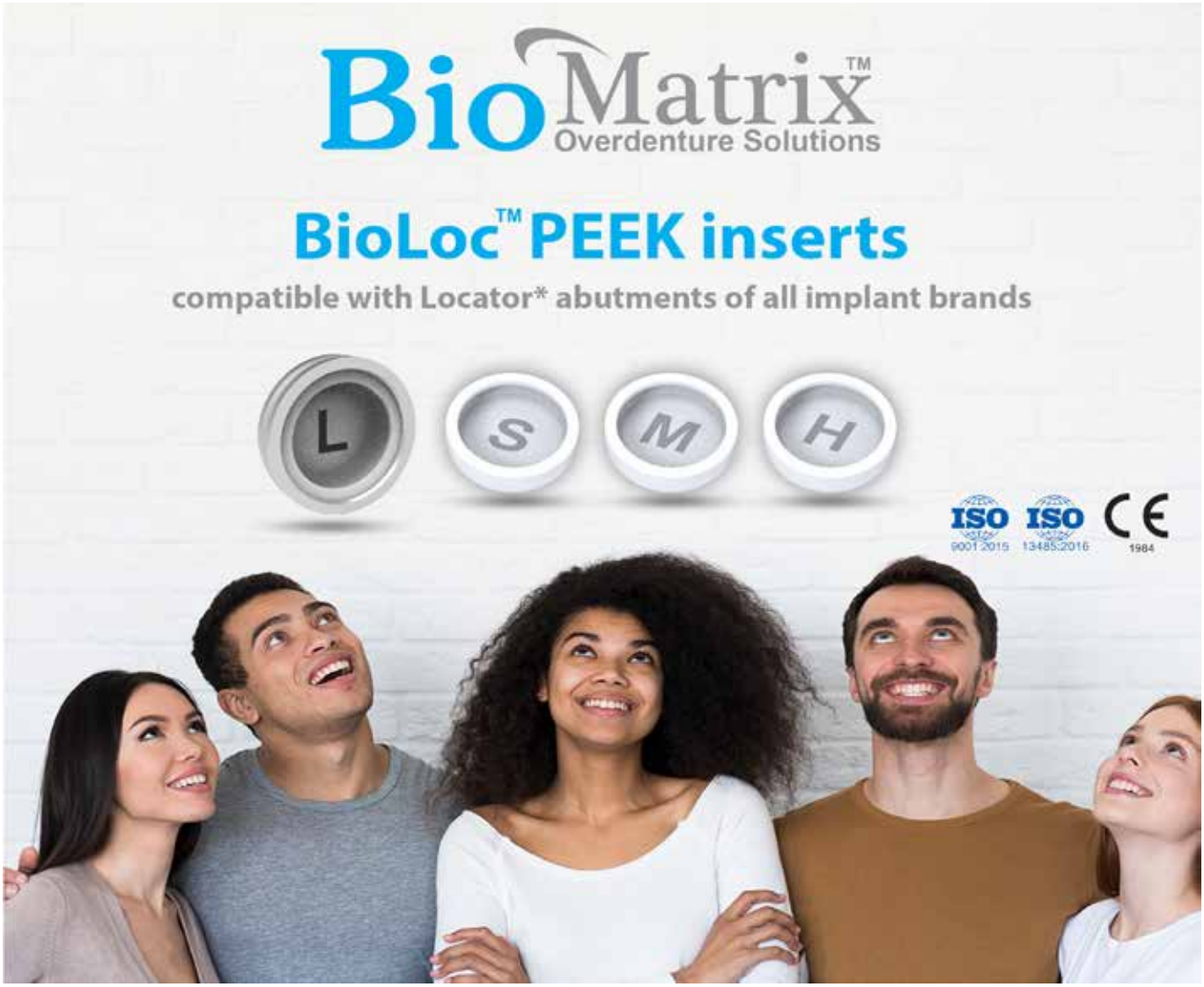
* 4 per package
* Medical Grade PEEK

Insert Handle

Product Code | KMT002

For insertion

For remove



*Locator is a trademark of Zest IP Holdings, LLC

KERATOR

Kerator

Kerator Abutment & Kit

Gingival Height	Junior (J)	Standard (S)
1 mm	AT401	IS401
2 mm	AT402	IS402
3 mm	AT403	IS403
4 mm	AT404	IS404
5 mm	AT405	IS405
6 mm	AT406	IS406
Angled 1.5 mm	AT4AN1.5	IS4AN1.5
Angled 3 mm	AT4AN3	IS4AN3

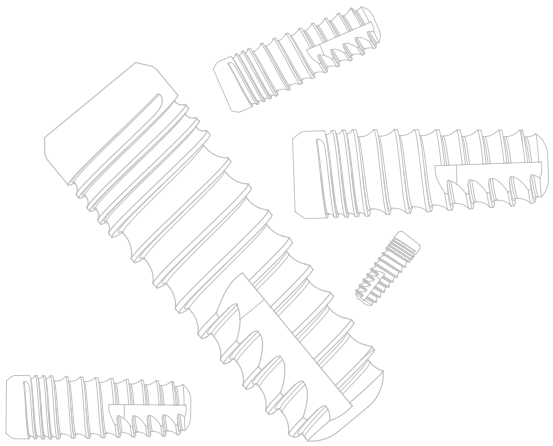
Includes; Kerator Abutment,
Metal Housing (with black insert),
Protective disc,
Pink, Blue, Red nylon inserts

Kerator Nylon Insert (20°)

Blue	Pink	White
544 gr. 1.2 lbs	1088 gr. 2.4 lbs	1814 gr. 4 lbs
		
CPB	CPP	CPW

Kerator Nylon Insert - Angled (40°)

Yellow	Red	Orange	Green
0 gr. 0 lbs	362 gr. 0.8 lbs	816 gr. 1.8 lbs	1451 gr. 3.2 lbs
			
CPY	CPR	CPO	CPG



MULTI UNIT SYSTEM

Multi Unit Straight Abutment

Gingival Height	1 mm	3 mm	5 mm

Junior (J) — BMUAJ1 | BMUAJ3

Standard (S) — BMUAS1 | BMUAS3 | BMUAS5

Cover Cap

Product Code | BMUACC

Torque value:
Manually (5 - 10 Ncm)

* Used for multiple-unit restorations including; screw-retained restorations at the abutment level, cast alloy bar for overdentures and fixed/hybrid restorations
* Packaged with BMUACC
* Ti-Gr 23 (Ti6Al4V ELI)
* Torque value: with hex adapter 25 Ncm

Multi Unit Angled Abutment 17°

Gingival Height	2 mm	3 mm	4 mm

Junior (J) — BMUA17J2 | BMUA17J3

Standard (S) — BMUA17S2 | BMUA17S3 | BMUA17S4

Multi Unit Angled Abutment 30°

3 mm	4 mm	5 mm

BMUA30S3 | BMUA30S4 | BMUA30S5

* Used for multiple-unit restorations including; screw-retained restorations at the abutment level, cast alloy bar for overdentures and fixed/hybrid restorations
* Packaged with BMUACC
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: with hex driver 25 Ncm

Multi Unit Coping

Plastic Coping

Product Code | BMUCP-NH

* Use for fabricating metal-reinforced acrylic prostheses or bar overdentures
* May be trimmed for height
* Packaged with BMUACS
* Acetal Resin

Passive Fit Coping

Product Code | BMUCPF

* Use for fabricating metal-reinforced acrylic prostheses or bar overdentures, cemented using the passive-fit technique
* May be trimmed for height
* Packaged with passive fit part and BMUACS
* Ti-Gr 23 (Ti6Al4V ELI) + Acetal Resin

Titanium Coping

Product Code | BMUCT-NH

* Use for fabricating acrylic temporary and final prostheses
* May be trimmed for height
* Packaged with BMUACS
* Ti-Gr 23 (Ti6Al4V ELI)

Coping Screw

Product Code | BMUACS

*Torque value:
Manually or 15 Ncm

Multi Unit Parts

Transfer Coping Open Tray | **Transfer Coping Closed Tray** | **Lab Analog**

BMUAOT-NH

BMUACT-NH

BMULA-NH

* Torque value: Manually (5 - 10 Ncm)
* Ti-Gr 23 (Ti6Al4V ELI)

Hex Adapter

Product Code | BMUHA

* Used to carry and torque straight multi unit abutment

Abutment Driver

Product Code | BMUAD

* Used to carry straight/angled multi unit abutment

Bone Profiler

Junior (J) | Standard (S)

BFDJ

BFDS

* Designed to drilling of the crestal bone for optimal placement of multi unit angled abutment
* Screw the guide into the implant and align the profiling bur for precise bone removal.
* Stainless Steel

uysalmillingcenter

CUSTOMIZED SOLUTIONS

In the rapidly expanding digital dentistry, choosing the right solution partners for customized prosthetic solutions is of vital for the long-term success of clinics.

UMC is a design and production center providing service for the clinics and laboratories using BioInfinity.

exocad

CUSTOMIZED SOLUTIONS

exocad

TiBase Abutment

Junior		Standard	
Hexed	Non- Hexed	Hexed	Non- Hexed

BTBAJN1-H | BTBAJN1-NH | BTBASN1-H | BTBASN1-NH

* Use hexed for single-unit, screw retained or cement-retained, CAD/CAM hybrid zirconia restorations.
* Use non-hexed for multiple-unit, screw retained or cement-retained, CAD/CAM hybrid zirconia restorations.
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform.
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm

Custom Castable Abutment

Junior		Standard	
Hexed	Non- Hexed	Hexed	Non- Hexed

BCCAJ-H | BCCAJ-NH | BCCAS-H | BCCAS-NH

* Use hexed abutments for single-unit, screw-retained or cement- retained, custom abutment restorations.
* Use non-hexed abutment for multiple-unit, screw-retained restorations
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform.
* Acetal Resin
* Screw torque value: 25 Ncm

Pre-milled Abutment

Junior	Standard

BPMAJ | BPMAS

* Used for customized cementretained restorations
* Packaged with an abutment screw BASJ for junior platform and BASS for standard platform.
* Ti-Gr 23 (Ti6Al4V ELI)
* Screw torque value: 25 Ncm

Scanbody

Junior	Standard	Multi Unit

BSBJ | BSBS | BMUSB

*Designed for intraoral scanner and lab model scanner
* Packaged with an abutment screw, BASJ for junior platform and BASS for standard platform.
* Ti-Gr 23 (Ti6Al4V ELI)

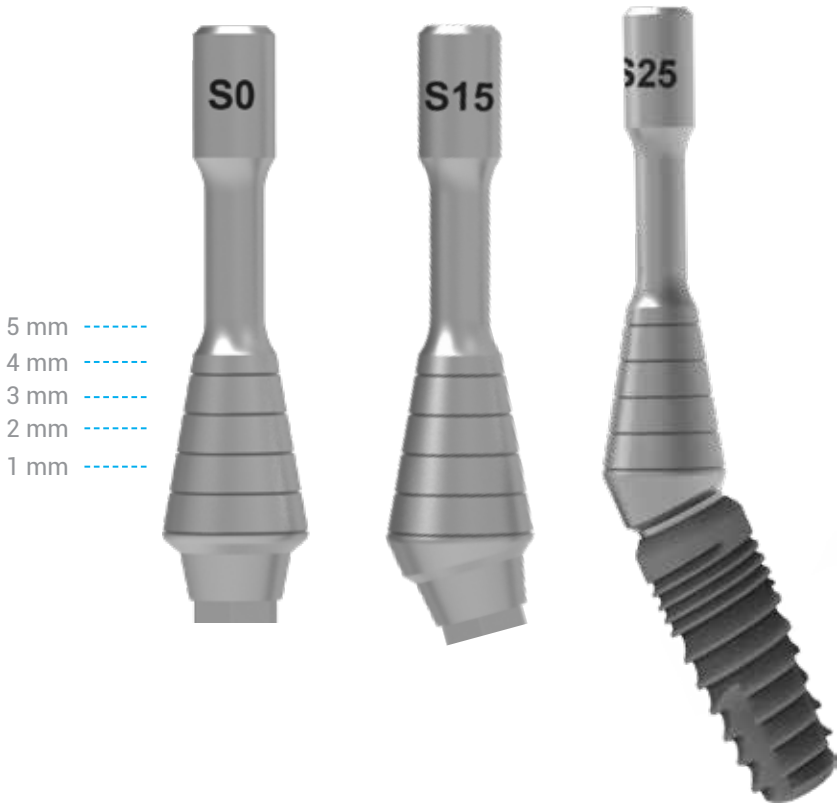
Digital Analog

Junior	Standard	Multi Unit

BDAJ | BDAS | BMUDA

* Designed to be used in 3D printers for digital model
* Ti-Gr 23 (Ti6Al4V ELI)

ABUTMENT TRY-IN KIT



Abutment Try-in Kit

Angled of Abutment	Junior (J)	Standard (S)
0°	TRYJ0	TRYS0
15°	TRYJ15	TRYS15
25°		TRYS25
17°	TRYJ17	TRYS17
30°		TRYS30

Product Code | TRYKIT

* Designed to determine the appropriate gingival height and abutment angle in an ideal superstructure planning
* Ti-Gr 23 (Ti6Al4V ELI)

WASHING AND STERILIZATION

Things to be considered during the use of the surgical kit;
Our surgical instruments are delivered as non-sterile. They must necessarily be cleaned, disinfected and sterilized before use.

Rapid sterilization methods must not be allowed. Hot air sterilization, radiation sterilization, plasma sterilization, formaldehyde or ethylene oxide sterilization methods must be avoided. Surgical instruments must not be exposed to temperatures higher than 134°C (273°F).

Surgical instruments must never be cleaned with a metal brush or steel wool. Instruments made from different materials must never be placed in liquid bath at the same time as they create a risk of galvanic corrosion.

It is recommended to use a water-soluble, non-toxic, biodegradable and slightly alkaline cleaning agent. The use of cleaning or disinfecting products containing chlorine (bleach, tap water, etc.), oxalic acid or hydrogen peroxide must not be preferred as they will damage the surgical instruments and cause oxidation.

When using the drills, it is recommended to observe the rotational speeds (rpm) in the instructions manual and in the catalogue. In order to avoid possible stress and necrosis on the bone, it is recommended to replace the drill at every 25th use.

Suggested sterilization parameters

Dynamic air discharge (pre-vacuum vapor cycle)	
Exposure temperature: 134°C	Exposure temperature: 121°C
Exposure time: 4 minutes	Exposure time: 20 minutes
Minimum drying time;	Minimum drying time;
For wrapped devices: 15 minutes	For wrapped devices: 15 minutes
For devices inside container: 30 minutes	For devices inside container: 30 minutes

OSSTELL
A W&H COMPANY

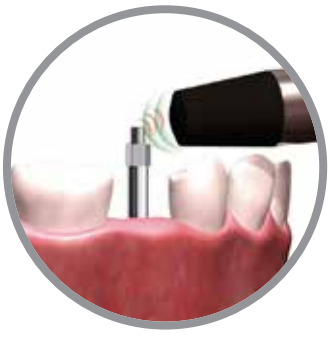
OSSTELL

Osstell helps you assess the condition of osseointegration by determining the Implant stability in an objective and noninvasive way without jeopardizing the healing process. Osstell notifies you when an Implant is ready to load.

You can measure the ISQ value of BioInfinity dental implants with Osstell as well.

Osstell

Osstell IDx	Osstell ISQ
101000	100500



Smartpeg

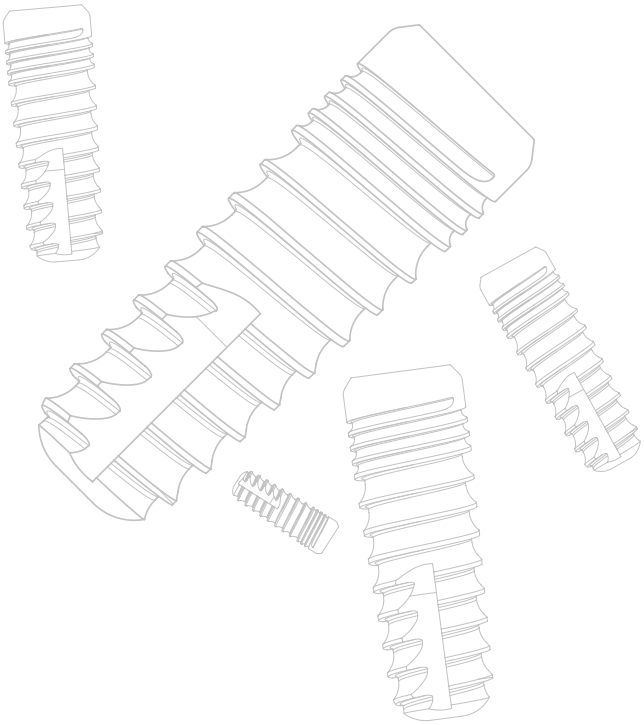
Junior (J)	Standard (S)
Type 38	Type 26
	
100455	100425

SAESHIN

SURGICAL EQUIPMENTS

Ultrasonic Piezo Surgery

200300



Implant Motor

XCube

200200

Implant Motor

Traus

200100

ADVANCED IMPLANTOLOGY ACADEMY

BASIC AND ADVANCED IMPLANTOLOGY

COURSE • SEMINAR • SYMPOSIUM

SYMBOLS

Explanation of the symbols on labels and packages

Symbol	Explanation	Symbol	Explanation	Symbol	Explanation
	Manufacturer		Temperature limitation	J	Junior platform
CE 1984	CE conformity mark and notified body number		Electronic instruction manual	S	Standard platform
REF	Catalog number	STERILE R gamma irradiated	Sterilized using irradiation	Ø3.2	Ø 3.2 implant
SN	Serial number	NON STERILE	Non-sterile	Ø3.7	Ø 3.7 implant
do not reuse	Do not re-use		Do not re-sterilize	Ø4.2	Ø 4.2 implant
	Keep dry		Do not use if package is damaged	Ø4.7	Ø 4.7 implant
	Expiration date		Keep away from sunlight	Ø5.2	Ø 5.2 implant
MD	Medical Device		Single Steril Barrier System with Protective Packaging inside		

PRODUCT LIST

Implant

Junior / Standard Platform

Surgical Kit

Other

NOTES

NOTES

BioInfinity®
dental implant system

/bioinfinity_implants

ISO 9001:2015 ISO 13485:2016 CE 1984

BioInfinity®
dental implant system

bioinfinityimplants.com

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Rev. No: BPCENG-R003

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