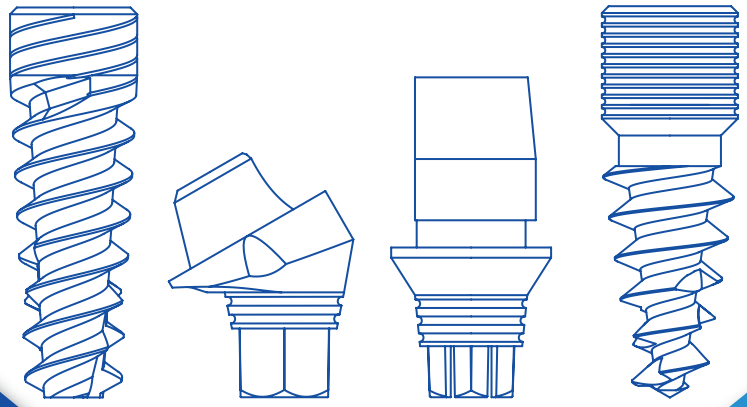
PRODUCT
CATALOG

BioLine®

Dental Implants Series



THE ART OF SIMPLICITY

BioLine®
Dental Implants Series

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BioLine® Dental Implants Series

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About BioLine

The art of simplicity, is our guiding line

At Bioline Dental Implants, we address the needs of dental implantology's, sharing our experience and technologies, utilize experts and invest in research, training and education. All this results in the art of simplicity solutions that simplify dental implantology procedures and deliver proven clinical long-term success.

We maximize our experience and innovative technologies

We Maximize our experience and technologies to ensure that our products offer the best high-end clinical solution. From the beginning of our activity in 2005, we have been focused on the development, design and manufacture of dental implants and very accurate prosthetic parts. Our state of the art manufacturing facility, which is operational 24/7, includes a dedicated team of designer's clinical consultant, cnc operators and Qa department to ensure the highest possible standards and quality of our products enable us to grant a lifetime warranty for our dental implants.

We offer high quality, simple-to-use product lines

We have been focused on state of the art simple-strong-accurate implant technology by developing implants based on two connections principals - an internal hex connection and a conical hex connection. Created on a switching -platform that fit all possible prosthetic system, they allow dentists to use a single restoration line for each implant platform. Furthermore, the development of all our products –implants, abutments and surgical tools – takes existing systems into account in order to make the procedure simple and minimize dental surgent period of learning. As a resolute of this method, our surgical tool kit is compatible with all products and includes everything from basic surgical tools to advanced instruments needed in maximum efficiency and agronomic – economic thinking. And in addition to make work processes short and simple, our products have an overall implant clinical success rate of 98.7% reported and documented according to our detailed recommended instruction for use.

We invest in research and development constantly

Our R&D teams collaborate closely with an international panel of experts who have extensive clinical and academic knowledge. We also invest in new technologies and encourage innovative thinking, clinical trials, studies. This investment of research and development ensures that our products are constantly aligned with market needs and constant improvement's, and that we are able to develop clever, easy and simple to use, best quality products.

We Invest in Training and Education of Students and Our Customers

We firmly believe that sharing our knowhow, and experience is very important to ensure successful and effective implantology methods and procedures. we provide hands on courses around the world, where we train graduate students and our customers to be as professional and educated\updated in the latest dental implantology procedures and innovative methods developed by our team of experts. We Adopt and Implement Digital Means and Technologies into The Dental World We embrace the technological changes involved in the digitalization of the dental world in order to support the present and future needs of our customers. Consequently, our digital CAD/CAM line offers a wide rangeof restoration products for our two implant connections. Additionally, our Guided Surgery Tool Kit supports guided surgery methods and enables dentists to select the software to use when planning surgeries, making their work easier and simpler.

We are environment friendly

We are very committed to environment keeping and take maximum measures to avoid using harmful and non-green materials in production lines we also encourage recycling of packing materials and prefer suppliers respecting environment. We encourage contributing to global community, We at Bioline participate in local-global events of contributing to community in developing countries and support pro bono contributor's by giving free products to aid needing communities.

R&d departments

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Engineering cad-cam

Our company specializes in designing computer-aided dental elements The planning department engineers have extensive experience in many areas
Computerized mechanical design.

- Strength of materials.
- Simulation of assemblies and subassemblies.
- Metallurgy.

Human engineering and product planning to use a simple stable and comfortable to the doctor and the patient. Dental product design requires a comprehensive scientific thinking concerning mechanical strength of the product and the ability to ensure the survival during transplantation as well as the creation of a precise & strong connection and resistant to vibration and continuous wear. We are working on the continuous development of new products and improving existing products to ensure total quality so as to assure long-term success in improving the patient's quality of life.

State of the art accurate machining

Our company has a modern factory with high quality computerized machines very secure continuous and repeatable accuracy. Manufacturing operations based on a computerized manufacturing system and program management and monitoring of the different jobs and Very strict production process, controlled by skilled workers with knowledge and experience.

Quality inspection

Our company manufactures medical-dental products during application and adaptation most stringent workmanship standards in the industry. The company's products are tested in the production process and in the transition between the various productions stages by qualified Inspectors in accordance with the specifications defined of production procedures. Our company is certified to iso13485-2012 and carries the CE-1023 icon. Our company is working constantly to improve the quality policy and ensuring maximum quality level of the company's products, all to ensure excellent products And customer satisfaction.

Clean room packing

Packaging process is done in a clean room ensures purification level specified by the medical device for dental implants. Packaging room environment ensures hygiene product during the sterile packaging and ensuring long shelf life without any possible contamination of the product. This room clean environment suitable for international labor standards defined in the CE standard.

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Quality system

At Bioline, quality management is an integral part of the way we do business. Quality is one of our company's core values. We believe that in order to provide quality products and service to our customers, we must think-act-implement quality at all times.Our team is comprised of highly professional and qualified personnel who all contribute, each with their own expertise, to cooperatively create the high standards we uphold. Integrity and transparency are an integral part of our organizational culture, enabling us to offer products from the highest of standards in the dental market. Bioline dental Implant in-house manufacturing facilities allow it to efficiently produce commercial quantities of implants and accurate prosthetic parts to meet US, EU, Rus, India Mexico and many other countries requirements.We have a state of the art production facility that is dedicated to providing high quality products. Each and every one of our products designed and manufactured to meet the highest level of standards worldwide and we are regulatory approved by a number of leading notify bodies.

International Regulations-Certifications

As an advanced medical certified manufacturing facility, Bioline is fully compliance with all European directive for Medical Devise EN 93/42/EEC and ISO 13485:2016. Our factory is inspected on a regular basis by European Notified Body to ensure we are comply the requirements of the Standards.
Bioline is authorized to operate within USA and the EEA and all regulating bodies have given their approval to Bioline. We have invested a significant amount of resources to ensure that we maintain high quality in our manufacturing processes.
Bioline had gain and work according to the following standards:
CE marking - Certificate Number 14 0611 QS/NB/a
EN ISO 13485:2016 – Certificate Number I14081.
FDA listing of all prosthetic part and surgical tools
RUS – Russian regulation and marketing certificate
Free sale & Declarations of Conformity for medical device products are available

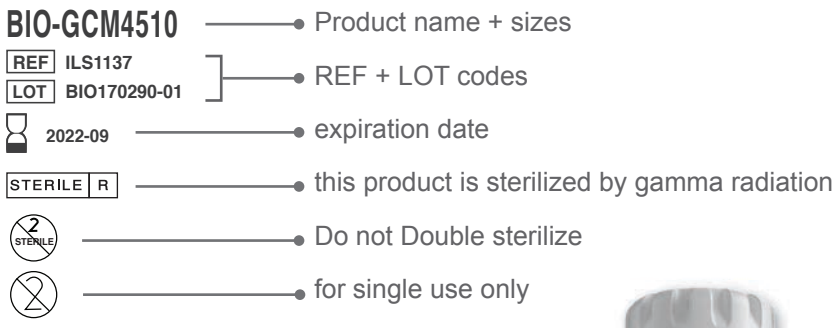
Lifetime Warranty Policy

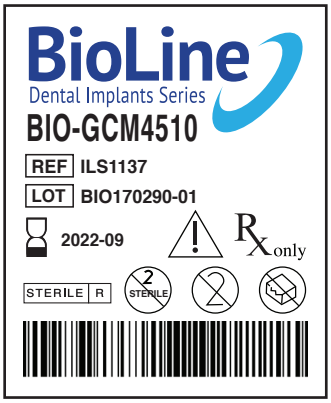
Bioline has complete confidence in the quality and long-term success of the products we manufacture and market, therefor we offer a lifetime guarantee to all of our products.
provided they are used properly and in accordance with our instructions for use and maintenance.

Labeling & packaging

BioLine® Dental Implants Series

State of the art packaging, easy to use & to handle during the time of surgery.
clear warranty lable's contain the folowing simbles:





What is osseointegration?

Osseointegration, defined as a direct structural and functional connection between ordered, living bone and the surface of a load-carrying implant, is critical for implant stability, and is considered a prerequisite for implant loading and long-term clinical success of end osseous dental implants. The implant–tissue interface is an extremely dynamic region of interaction. This complex interaction involves not only biomaterial and biocompatibility issues but also alteration of mechanical environment. The processes of osseointegration involve an initial interlocking between alveolar bone and the implant body, and later, biological fixation through continuous bone apposition and remodeling toward the implant. The process itself is quite complex and there are many factors that influence the formation and maintenance of bone at the implant surface.

The usage & advantage of calcium phosphate:

Calcium phosphate(CaP)biomaterials currently in use for bone repair, substitution, augmentation, and regeneration include hydroxyapatite of synthetic or biologic origin, beta-tricalcium phosphate (β-TCP) and biphasic calcium phosphate. They are available as granules, porous blocks,CaP/polymer composites,cements, and as coatings on orthopedic and dental implants. Experimental CaP biomaterials include CO□-and F-substituted apatites, Mg-and Zn-substituted βTCP,and CaP glasses.

Biofix® : Biological Surface Treatment concept:

The use of a granular, multi-phase calcium Phosphate abrasive such as Biofix® Apatitic Abrasive has been recognized and Accepted for many years in the dental, orthopedic, and spinal markets.

Biofix® Apatitic Abrasive provides a textured surface to Either increase the surface area that comes in contact with the bone or as a surface preparation prior to the application of a Coating such as hydroxyapatite or porous titanium.

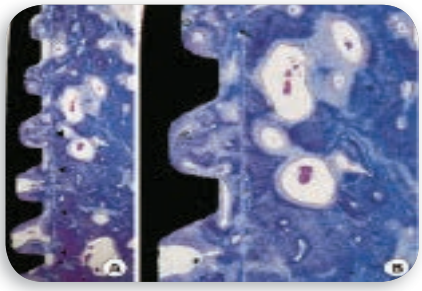
Conventional abrasive blasting techniques that utilize alumina or silicon carbide always leave residual abrasive as a Contaminant embedded in the implant surface.

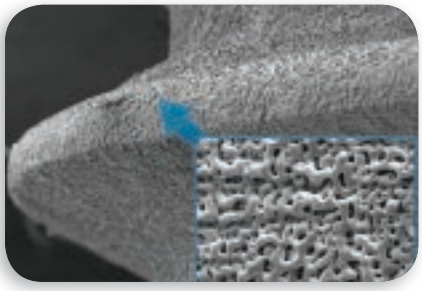
Biofix® Apatitic Abrasive will provide a residue free surface after passivation.

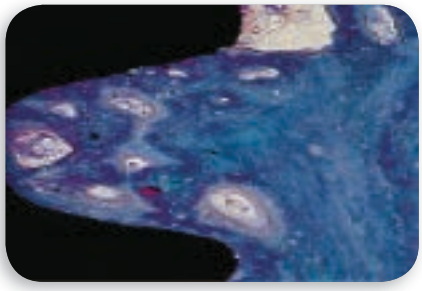
The reference literature below links to research studies Which discuss Sandblasted And Acid Etched (SLA) surface treated implants– specifically with the use of Bioline's Biofix® Apatitic Abrasive.

Our guiding line in Biofix® formula is to avoid possible metal contamination's cussed by remains of abrasive materials sprayed on the titanium implant during surface treatment creation.

Biofix® treatment provide the cleanest and most effective result to be monitored for many years to come.







Rotational implants group, 4-week healing period (H&E: A, ×40; B, ×100).

References:
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3602536/
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3596629/
http://www.jaypeejournals.com/eJournals/ShowText.aspx?ID=7317&Type=FREE&TYP=TOP&IN=_eJournals/images/JPLOGO.gif&IID=555&isPDF=YES

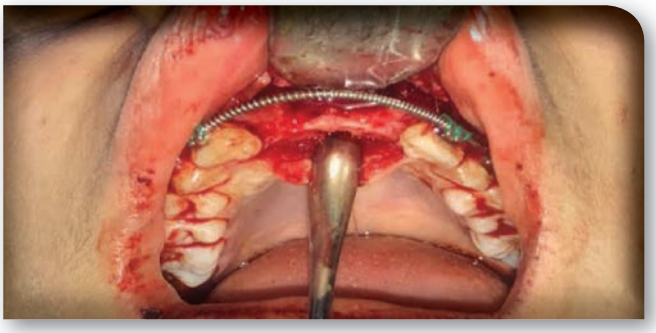
Case report

BioLine® Dental Implants Series

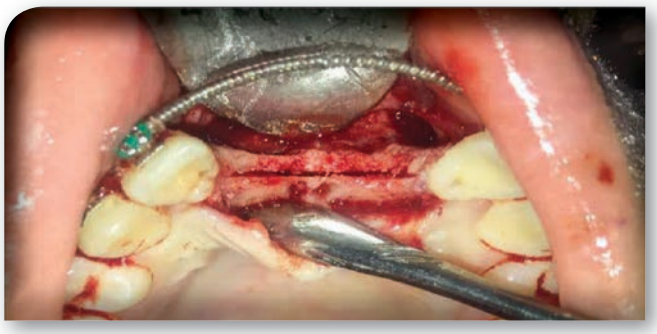
ESTHETIC ZONE RESTORATION USING SPIRAL DENTAL IMPLANTS

By Prof. Dr Divye Malhotra

1. Pre-Op

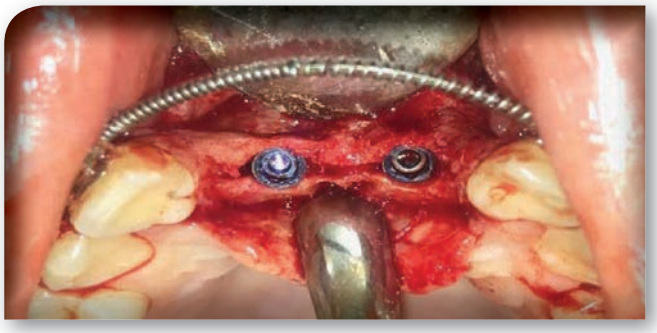


2. Flap Opening



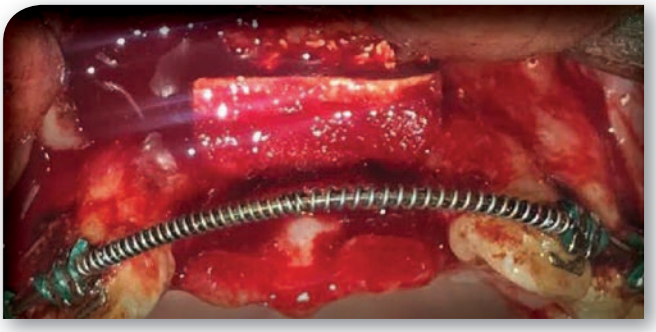
3. Osteotomy site preparation

4. Osteotomy site preparation



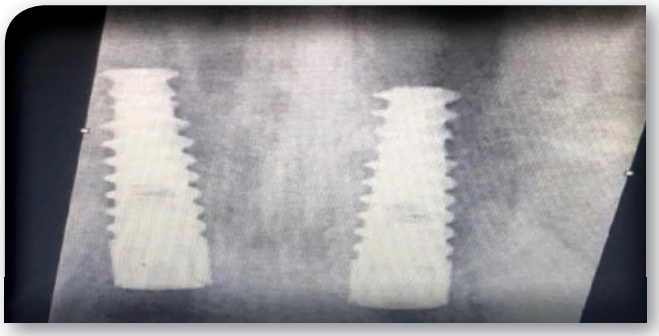
5. Implants placement's

6. Bone grafting + membrane



7. Bone grafting + membrane

8. suturing



9. X ray removed after 3 months – great integration

10. Abutments placement's

11. Final results

CLINICAL & BIOLOGICAL INITIAL + LONG TERM STABILITY ,FAST HEALING, AND HIGH RATE OF OSSEOINTEGRATION LEAD BY Biofix FORMULA

Drilling protocol

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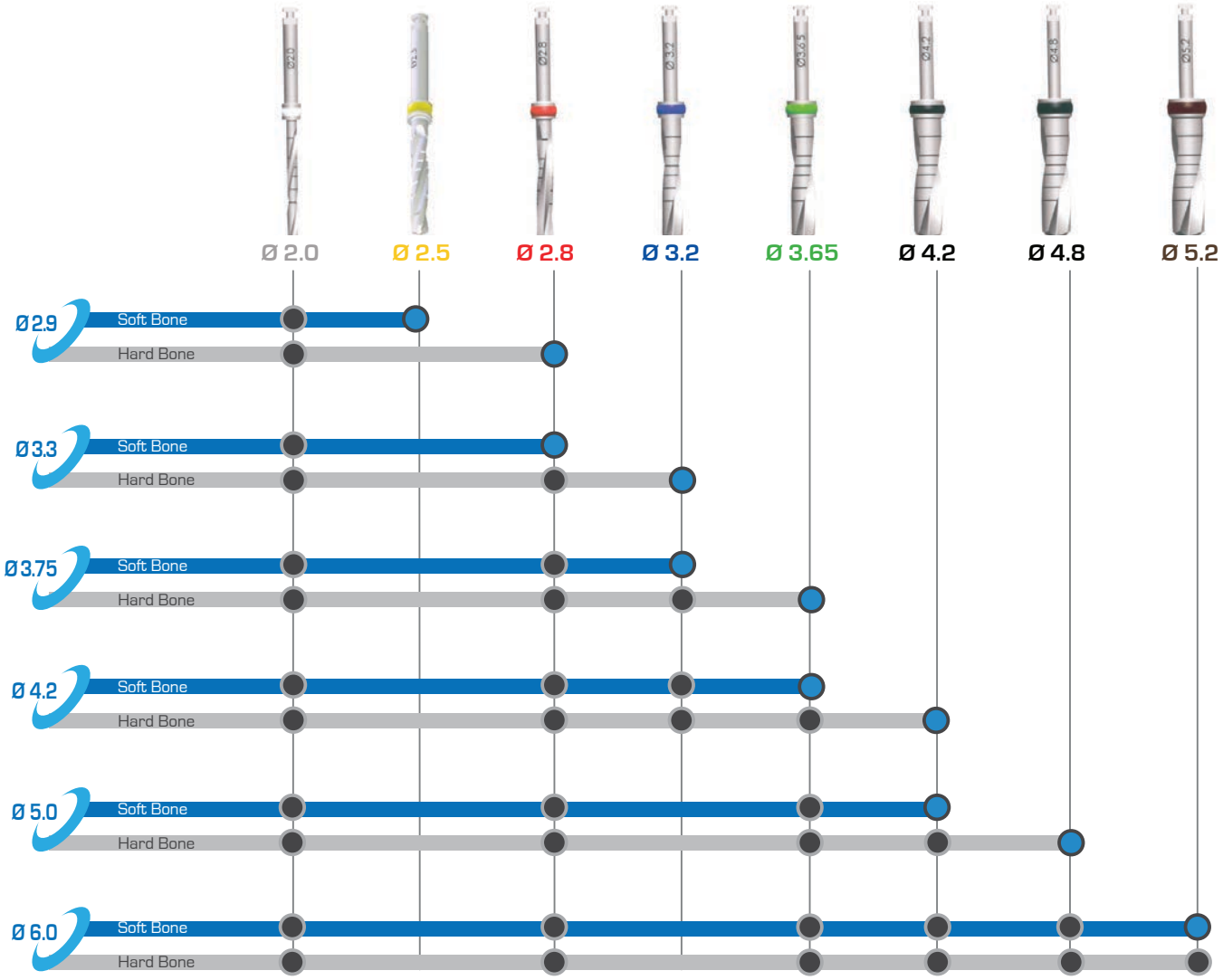
The recommendations presented in this drilling Protocol, based on long experience of specialists in the world. However it is important to examine each case on its merits based on the physician's ability to perform the procedure, and the state of the patient's jaw implant transpires with the beginning and there may be changes according to the situation.
In principle, we recommend using a drill that its diameter smaller than the diameter of the implant, in the case of soft bone condition. Also, consider using a similar drill diameter implant intended for implantation in the case of hard bone in order to avoid trauma to the bone and ensure rapid bone building around the implant.

IMPORTANT NOTICE :
It is important to ensure all instrumentation, surgical hand pieces, and equipment has been sterilized to prevent the possible contamination of the system, and the patient.

- recommended implant incretion torque 35-65 NCM
- recommended drilling speed 800-1200 RPM
- recommended prosthetics screw tightening torque 25-30 NCM
- recommended healing cap tightening torque 15 NCM
- all procedures recommended by BioLine Implants systems are not replacing the surgeon experience and judgment

Color Code



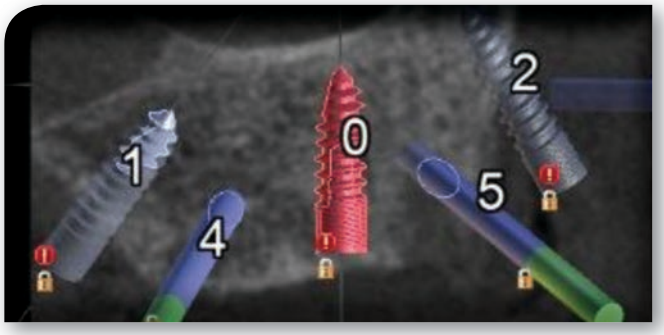
BioGuide – Guided surgery services

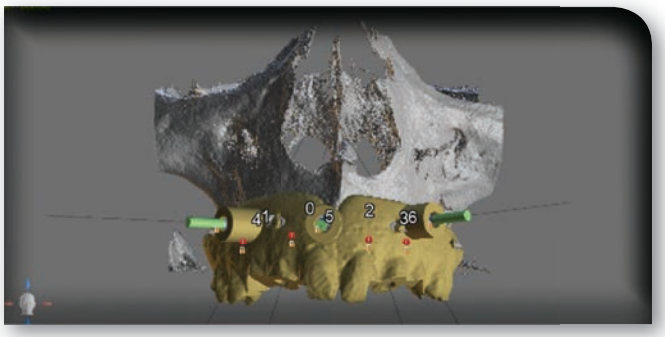
Currently, there have been major technological developments in diagnostic imaging methods and turned more accessible. The introduction of computed tomography images, including cone-beam computed tomography (CBCT), improved the outcome of implant-based treatments since it allows preoperative diagnosis with excellent quality and less exposure of the patients to radiation. When CBCT was associated with computer-aided design and manufacturing (CAD/CAM) provided surgical planning in both virtual and 3D environments, providing the practitioner with a realistic view of the patient's bony anatomy, thus permitting a virtual execution of the surgery in an ideal and precise prosthetically driven manner. This approach has been introduced to transfer virtual planning to the clinical procedure, allowing for less invasive surgeries, adequate implant placement, reduction of postoperative discomfort, and fabrication of prosthetic structures before surgical procedures.

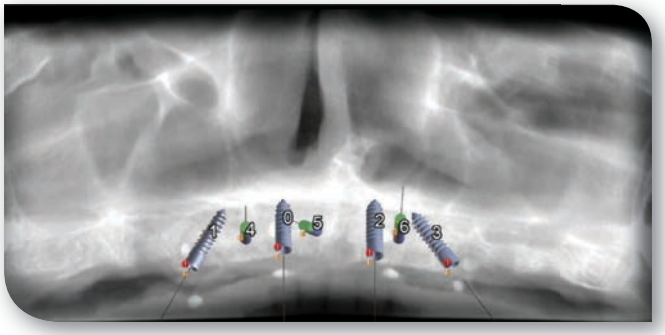
The CAD/CAM has generated a growing trend in recent studies. There are different techniques involving guided surgery, evaluating accuracy of positioning of dental implants in comparison with virtual planning, and clinical results in the patients. The use of computer-guided surgery had been restricted to the advantage's surgical aspects of implant treatment. Prosthetic treatment still has to be carried out following conventional protocols. However, the link to transfer prosthetic information to the patient is of great importance, and exact reference points are required to position the implants in such a way that prefabricated prosthetics have a precise fit.

BioLine company established the BioGuide Service – computer guided surgery system in order to simplify implantology procedure to the beginners, and open the gate to the ones that was having a doubts.
More than that BioGuide Service ensure high precision non-risk operation even for the experienced doctors, in a complicated case as implant placement in the esthetic zone / close to the mandibular nerve/ maxillary sinus / in a case of using extra-long implants as zygomatic / pterygoid as a graft less solution.

Contact us / your local dealer and plan your next safe & successful computer guided surgery!







Ref: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5883470/

Bio materials

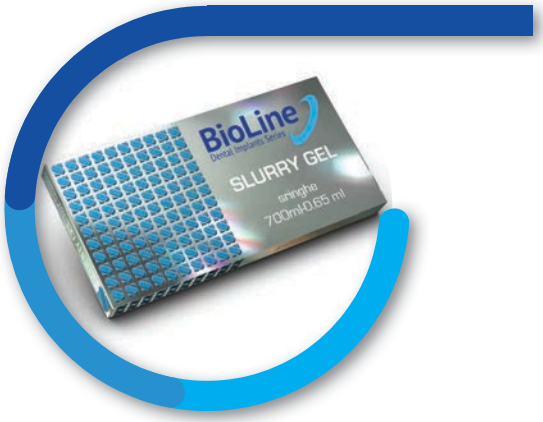
BioLine® Dental Implants Series

Synthetic bioabsorbable polymers such as polylactic acid and polyglycolic acid used in various proportions, have been for many years, the most reliable components of numerous medical devices in the fields of dental, maxillofacial and orthopedic surgery, in the forms of synthetic; bone plates pins and screws, surgical sutures and shaped blades for maxillofacial applications All these products have a high specific density principally because they must perform a mechanical action. Under similar implant conditions the absorption time is strictly related to the degree of density and can vary between 5-7 weeks to 2-3 years. Many variables are involved in biological degradation. These relate to the implant site, the age of the recipient, the tolerance of the tissue, as well as the physical aspects of the implant material, such as physical structure, chemical composition, molecular weight and form of exposed surface, and many others.The final by-products resulting from the metabolism of these polymers are carbon dioxide and water. Unlike products used in orthopedics and maxillofacial surgery which have an elevated mechanical resistance, SINTbone, based on a copolymer of polylactic and polyglycolic acid, is low in density, and is simply used as a space maintainer; and because of its low degree of density, it can guarantee absorption times between 4 to 8 months, in relation to the size of the implant, the reactivity of the recipient and the level of blood circulatiuon at the implant site. SINTbone is used primarily as an absorbable biocompatible space maintainer. It is permeated by the blood and stabilizes the blood clot which is then progressively replaced by the osteoprogenitor cells to form new bone tissue. The spongy structure of SINTbone does not offer any resistance to the osteons and is physiologically absorbed which favors the conversion into bone tissue. Histological tests and SEM (Scansion Electron Microscopy) analysis have confirmed that the tissue does not suffer any unwanted short, medium or long-term reactions. All bio-compatibility tests carried out first on animals and then on humans have demonstrated that SINTbone is perfectly bio-compatible. SINTbone is available in three types: sintered BLOCK, sintered GRANULAR and SLURRY gel. The three different types make it easier to use SINTbone in relation to the type of surgery concerned and the site of the implant, because each type can be used either individually or in combination with the others.

Sintbone Granular Sintered

Unit weight : 450mg
Unit Volume : 1,6-1,8 ml ca.
Composition : Copolymer of
Polylactic and Polyglycolic Acid, Dextran

Sintbone Slurry Gel

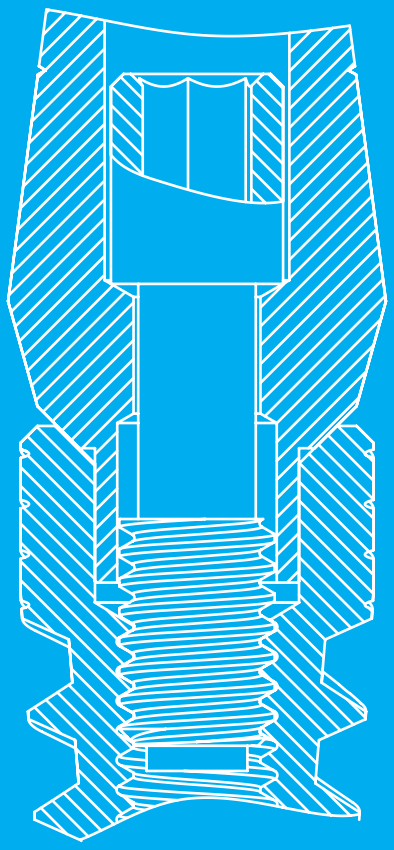


Unit weight : 700mg
Unit Volume : 0,65 ml
Composition : Copolymer and homopolymers of lactic and glycolic acid and, PEG, Dextran, Distilled water Distilled water

Sintbone Block Sintered

Unit weight : 310mg
Unit Volume : 0,72 ml ca.
Composition : Copolymer of
Polylactic and Polyglycolic Acid, Dextran

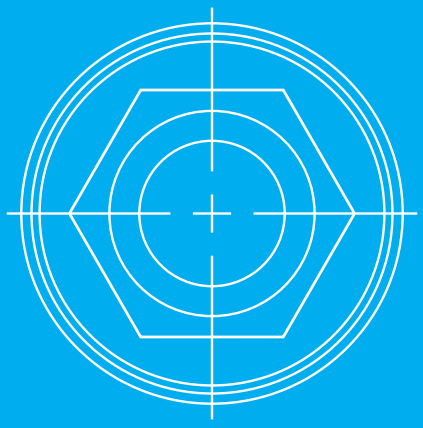
INTERNAL HEX CONNECTION

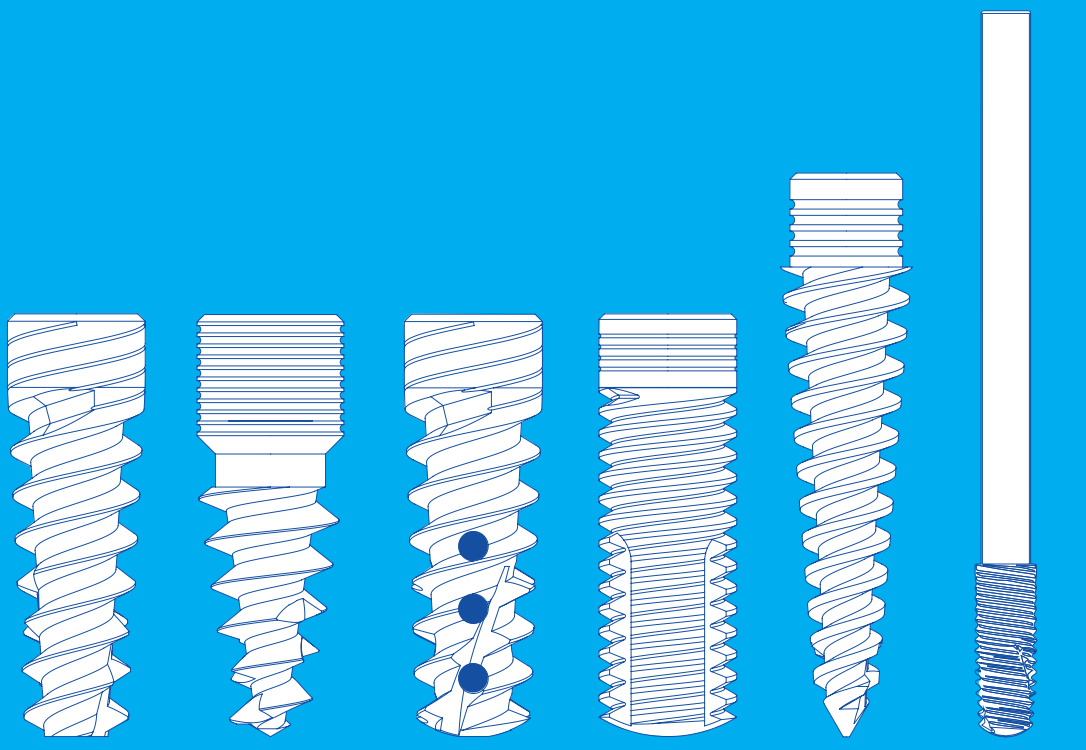


Internal hex advantage's

- Easy simple to use
- One platform fits to all implant diameters
- Proven and well known
- High mechanical strength capacity
- High accuracy and easy future maintenance

SIMPLE & ACCURATE INTERNAL HEX COLLECTION





BioLine® Dental Implants Series

SDI

Our spiral implant is a unique product based on traditional and proven design of tapered implant threaded balanced and dynamic self-drilling capability. Outstanding tapered implant symmetrical structure that contributes to balance efforts and equal distribution of possible loads during implantation and for the duration of use.

Anodized coating technology unique anti-bacterial process.

The implants undergo anodized coating process which contributes to creating anti-bacterial shell on titanium raw. The coating is made from natural ingredients Food Standard \ Medicine and unattended polluting industrial materials. Anodized great extent contributes to the mechanical strength and maintaining internal connection implant restoration parts and prevents friction between bare metal, this procedure ensures long-term success of rehabilitation on implants.

SDI Implant advantage's

- user friendly
- easy & fast incretion lead by the active design improved bone cutting and condensing ability's
- higher BIC (Bone & implant contact) lead for excellent primary stability
- can be used for immediate placement & loading reduce Bone resorption
- Biofix Biological surface for fast healing and long term osseointegration

RESTORATION OPTIONS:

Over Denture
straight/angulated till 30°

Screw Retained
straight/angulated till 50°

Cement Retained
straight/angulated till 45°

Ordering information:

Length \ Dia	2.9	3.5	3.75	4.2	5.0	6.0
6		BIO-F3506	BIO-F3706	BIO-F4206	BIO-F5006	BIO-F6006
8	*BIO-F2908	BIO-F3508	BIO-F3708	BIO-F4208	BIO-F5008	BIO-F6008
10	*BIO-F2910	BIO-F3510	BIO-F3710	BIO-F4210	BIO-F5010	BIO-F6010
11.5	*BIO-F2911	BIO-F3511	BIO-F3711	BIO-F4211	BIO-F5011	BIO-F6011
13	*BIO-F2913	BIO-F3513	BIO-F3713	BIO-F4213	BIO-F5013	BIO-F6013
16	*BIO-F2916	BIO-F3516	BIO-F3716	BIO-F4216	BIO-F5016	

2.1 mm hex slim version

- **The apical diameter is thinner than the Crestal diameter in 0.5 mm, included all implants sizes.**

Spiral Implant

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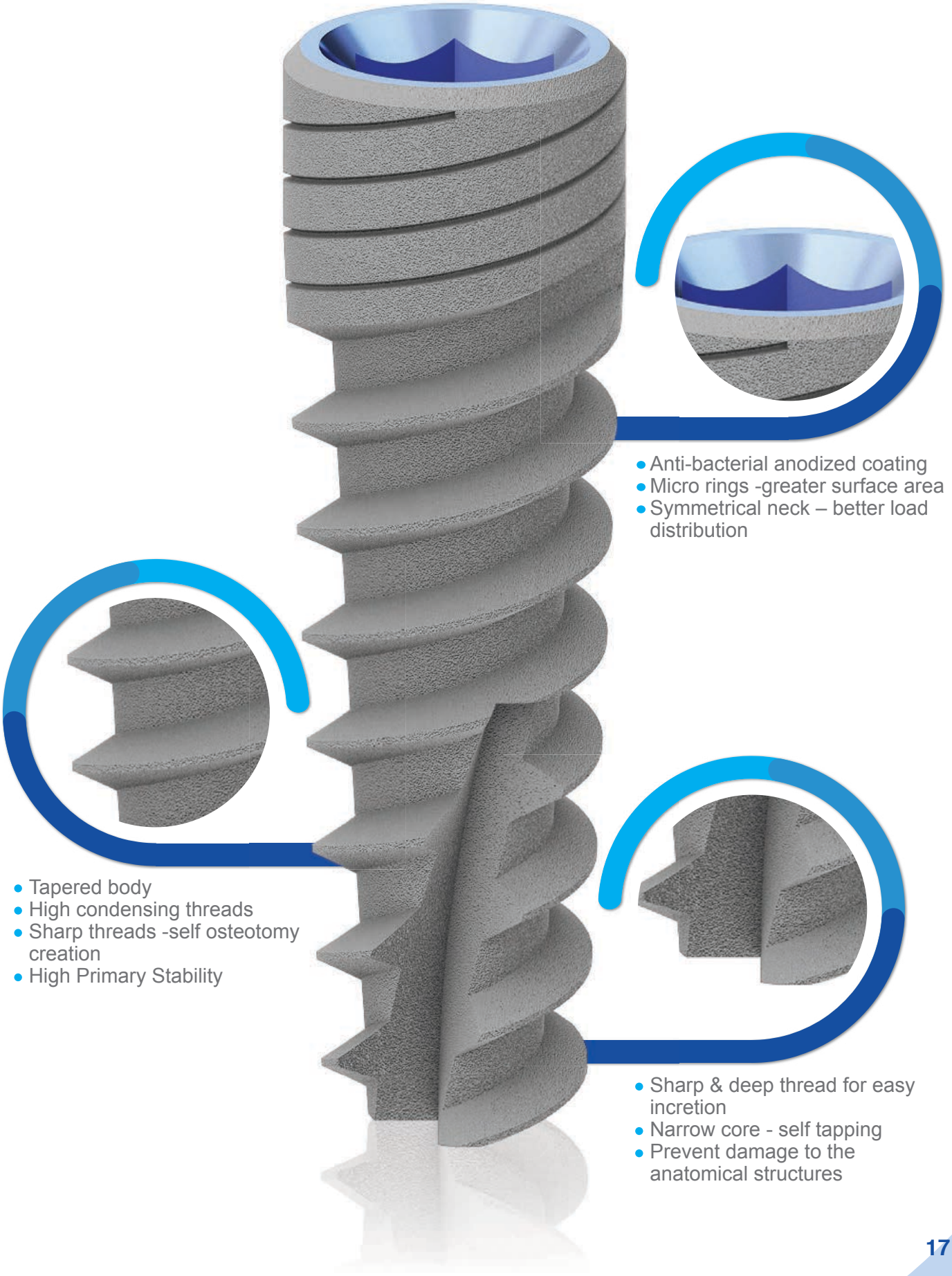


- Anti-bacterial anodized coating
- Micro rings -greater surface area
- Symmetrical neck – better load distribution

- Tapered body
- High condensing threads
- Sharp threads -self osteotomy creation
- High Primary Stability

- Sharp & deep thread for easy incretion
- Narrow core - self tapping
- Prevent damage to the anatomical structures

BioLine® Dental Implants Series

GRIP

- The Grip implant system has been designed especially to give better stability during immediate loading.
- Grip sharp & deep threads provide extremely strong retention for primary implant stability.
- The threads aggressive shape creates primary stability and maximum bone condensing in the sponge bone.
- Polished neck with groves prevents bone loss and increase healing and bonding with wider implant surface.
- The Grip implant designed to be used in extraction sites for immediate implantation.

Grip implant advantage's

- user friendly
- minimal drilling protocol required
- implant can be used as a self-osteotome
- design specially for under drilling sockets
- Gold anti-bacterial neck, prevent peri implantitis and crestal bone loss
- bone condensing threads-maximum primary implant stability
- Biofix Biological surface for fast healing and long term osseointegration

RESTORATION OPTIONS:

Over Denture
straight/angulated till 30°

Screw Retained
straight/angulated till 50°

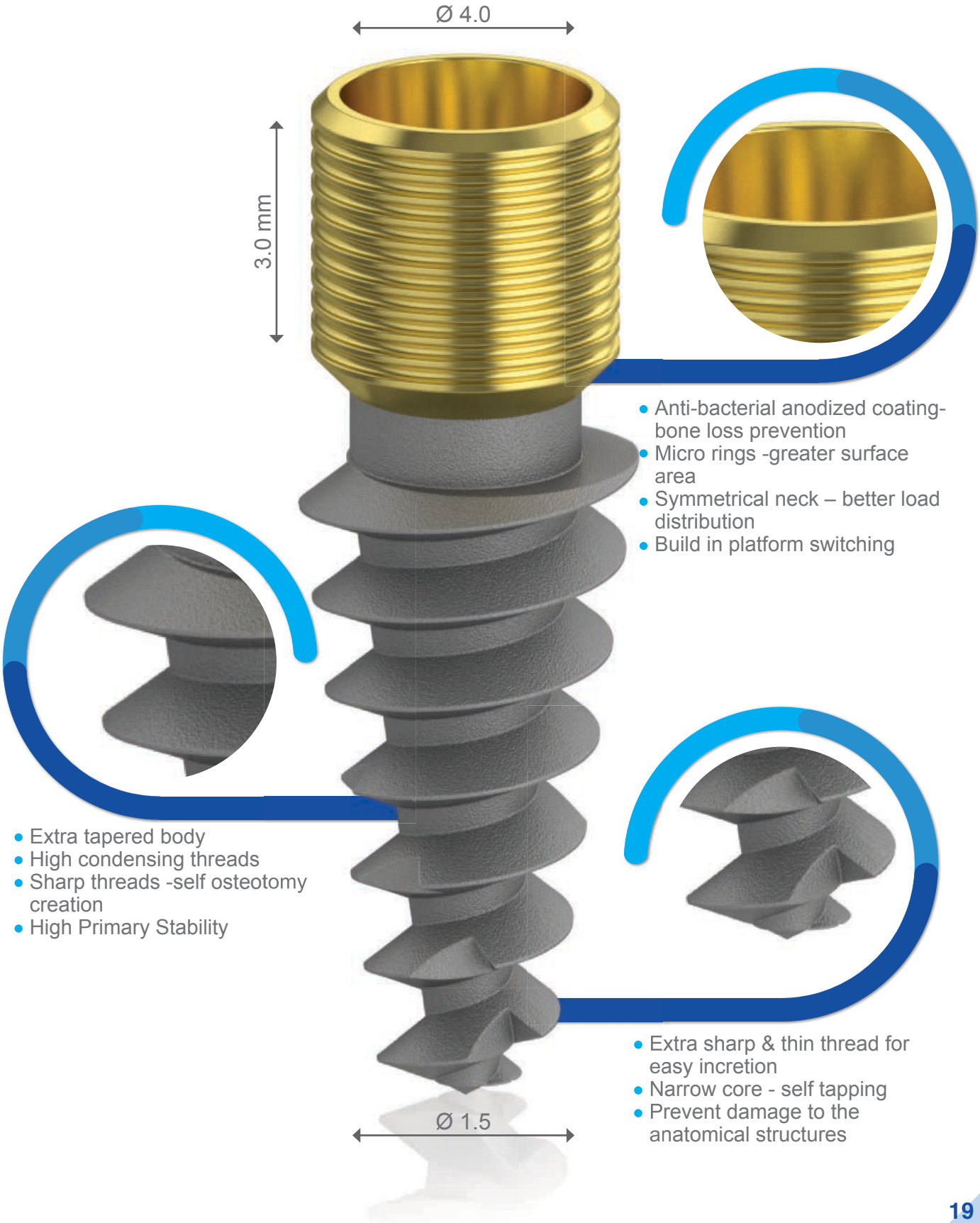
Cement Retained
straight/angulated till 45°

Ordering information:

Length \ Dia	3.75	4.2	5.0
8	BIO-GRIP3708	BIO-GRIP4208	BIO-GRIP5008
10	BIO-GRIP3710	BIO-GRIP4210	BIO-GRIP5010
11.5	BIO-GRIP3711	BIO-GRIP4211	BIO-GRIP5011
13	BIO-GRIP3713	BIO-GRIP4213	BIO-GRIP5013
16	BIO-GRIP3716	BIO-GRIP4216	BIO-GRIP5016

Implant

BioLine®
Dental Implants Series



- Anti-bacterial anodized coating- bone loss prevention
- Micro rings -greater surface area
- Symmetrical neck – better load distribution
- Build in platform switching

- Extra tapered body
- High condensing threads
- Sharp threads -self osteotomy creation
- High Primary Stability

- Extra sharp & thin thread for easy incretion
- Narrow core - self tapping
- Prevent damage to the anatomical structures

BioLine® Dental Implants Series

Grip

Our grip is a unique implant which is extra tapered to create extra self-osteotomy, bone condensing & preservation, by extra sharp and deep thread design+ thin and sharp apex (apex diameter is 1.5mm in all the implant diameters)
This unique featured design required different drilling sequence as per the Drill Less Approach

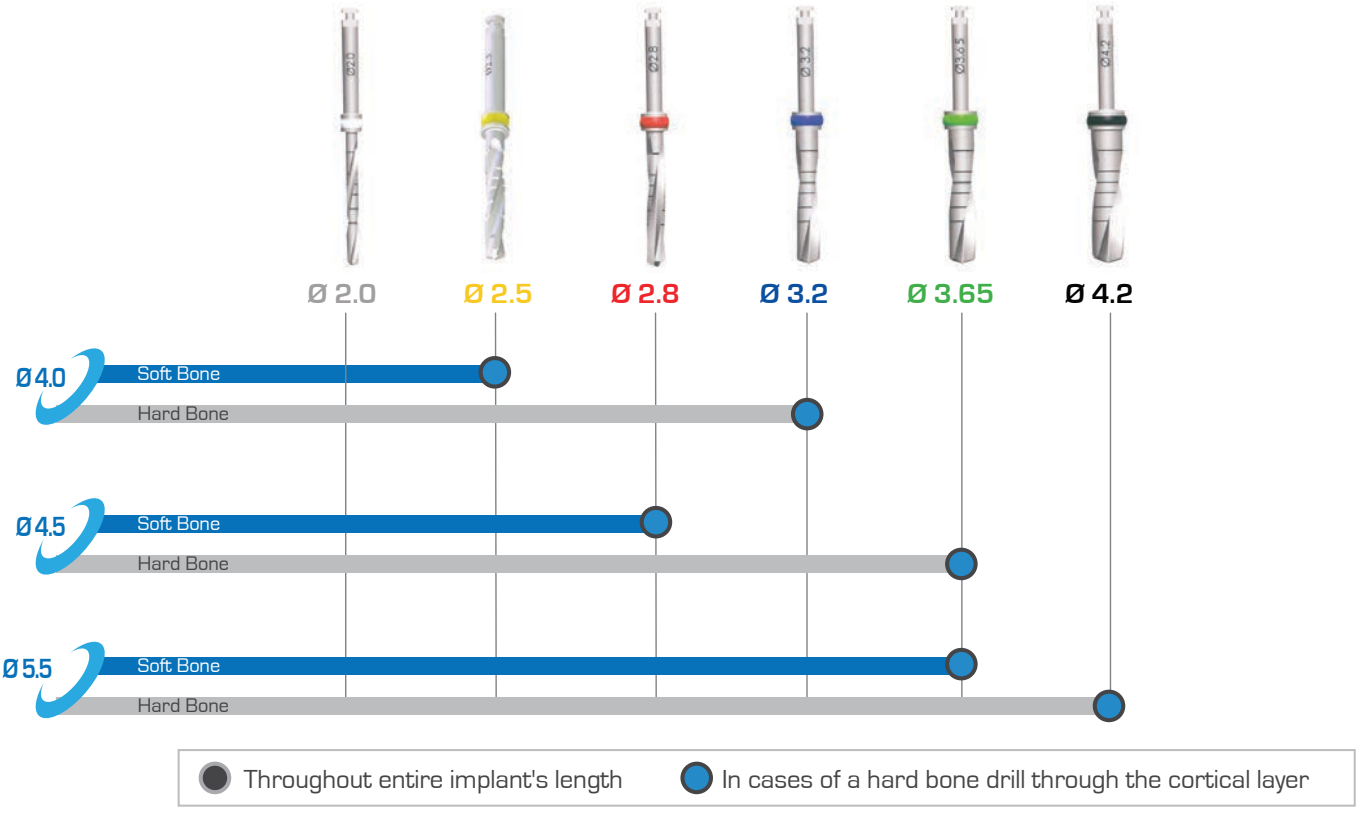
Please follow the sequence below:

IMPORTANT NOTICE :
It is important to ensure all instrumentation, surgical hand pieces, and equipment has been sterilized to prevent the possible contamination of the system, and the patient.

Soft bone (D3,D4): all sizes of grip implant to be drilled 2 mm less then the implant length
Hard bone (D2,D1): Ø2mm diameter (pilot drill) to be drilled full according to the implant length next drills to be drilled 2mm less then the implant length
final drill to be countersink (for 3.75&4.2 drill Ø3.75 - Ø4.2, for Ø5.0 implant drill Ø5-6)

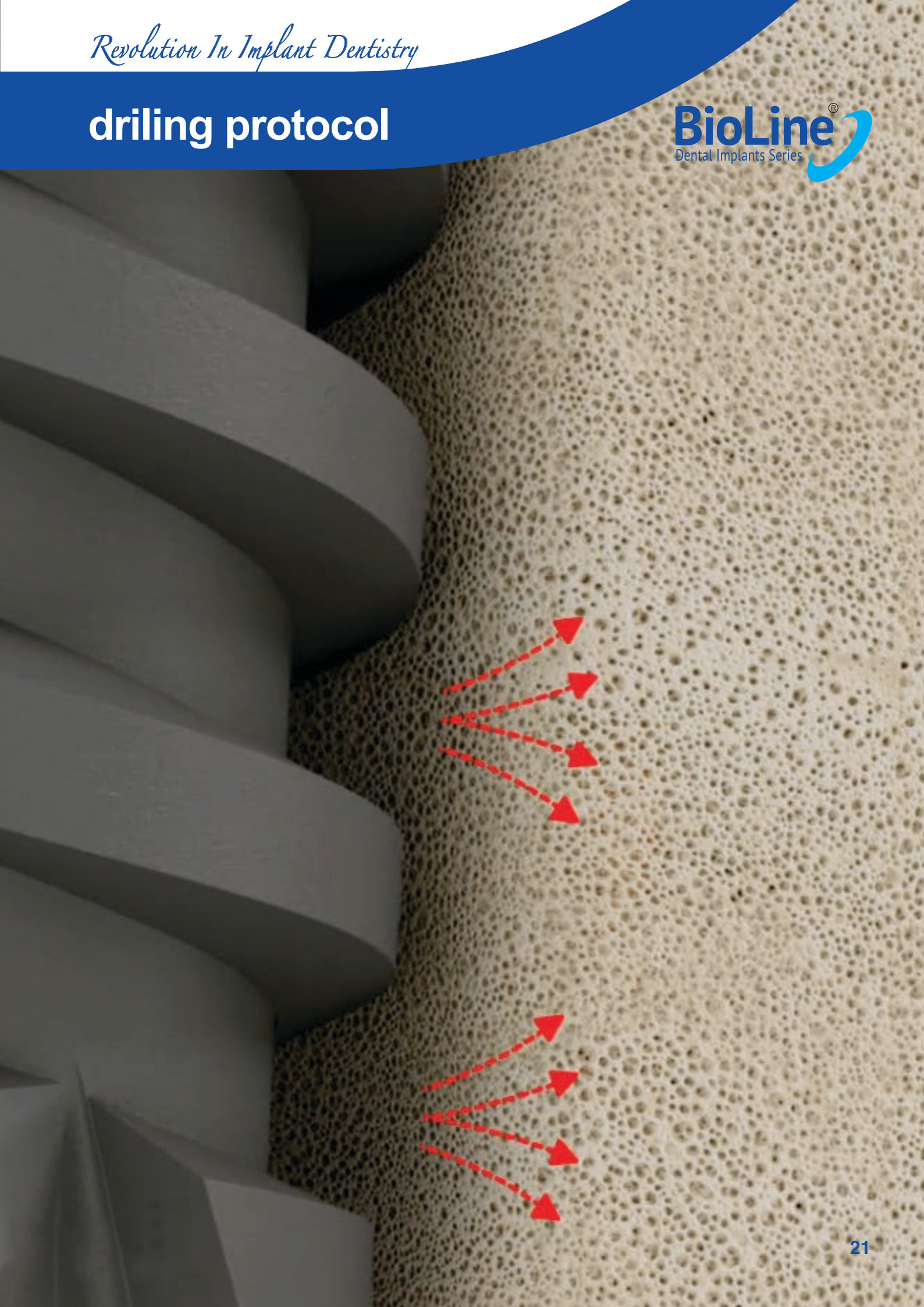
- recommended implant incretion torque 35-65 NCM
- recommended drilling speed 800-1200 RPM
- recommended prosthetics screw tightening torque 25-30 NCM
- recommended healing cap tightening torque 15 NCM
- all procedures recommended by BioLine Implants systems are not replacing the surgeon experience and judgment

Color Code



drilling protocol

BioLine®
Dental Implants Series



Active implant

is a unique dental implant developed after thorough research related to the ongoing quality of the connection between the bone and the dental implant. Our development team sought a solution that would extend as far as possible the life of the connection between the bone and the implant everything to ensure long-term quality restoration or almost infinite. In the development process is taken into consideration that even if we use the finest dental implant in the world, it is agreed that this object is a passive metal implant which has no lasting benefit or active contribution of osteointegration. from this point of view, we developed Active implant based on our spiral implant line, but hollowed and with few points of holes in the body, all for the transport or injection of fluid-gel that contain regeneration ingredients.

Inventive Thinking

As presented in the introduction about the Active family implant. The goal is to use this unique dental implant as a tool for transporting liquids and \ or special solutions designed to refresh the soft bone in the jaw. Special holes at the bottom of the implant body and graft are used for transporting liquids from the implant after successful implantation process and indefinitely when the implant is functioning as a basis for dental rehabilitation on the one hand, and as a tool for conveying the same fluid causes the processing of soft bone regeneration. This innovative Active implant is unique and exclusive to our company and reflects technological innovation and a major breakthrough in relation to prolong the life of dental implants and extending the medical care sucsess and life quality of the patient. The proposed maintenance using Active dental implant \ device

RESTORATION OPTIONS:

Over Denture
straight/angulated till 30°

Screw Retained
straight/angulated till 50°

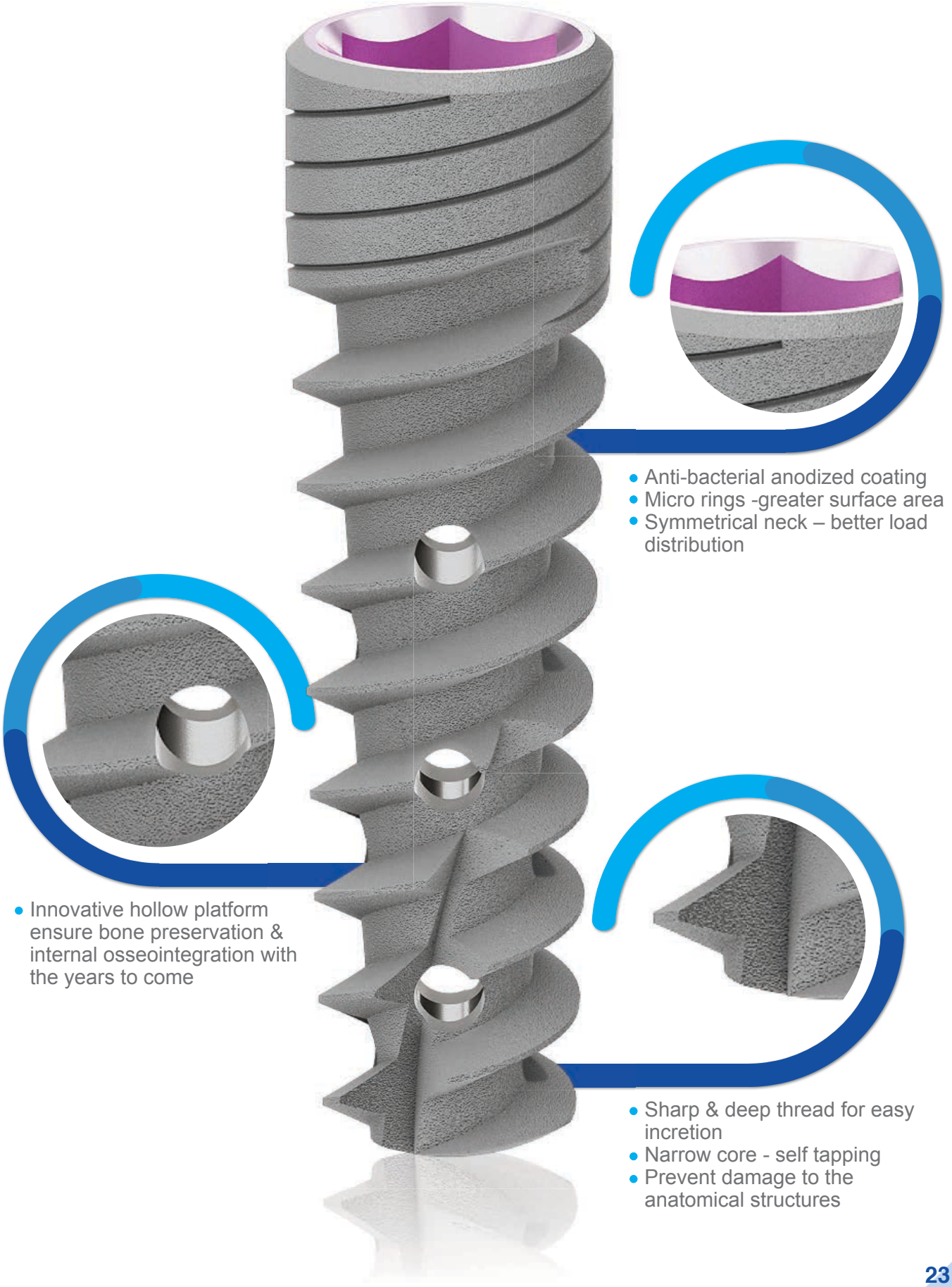
Cement Retained
straight/angulated till 45°

Ordering information:

Length \ Dia	3.3	3.75	4.2	5.0	6.0
6		BIO-IR3706	BIO-IR4206	BIO-IR5006	BIO-IR6006
8	BIO-IR3308	BIO-IR3708	BIO-IR4208	BIO-IR5008	BIO-IR6008
10	BIO-IR3310	BIO-IR3710	BIO-IR4210	BIO-IR5010	BIO-IR6010
11.5	BIO-IR3311	BIO-IR3711	BIO-IR4211	BIO-IR5011	BIO-IR6011
13	BIO-IR3313	BIO-IR3713	BIO-IR4213	BIO-IR5013	BIO-IR6013
16	BIO-IR3316	BIO-IR3716	BIO-IR4216	BIO-IR5016	

Maintained Active Implant

BioLine®
Dental Implants Series



- Anti-bacterial anodized coating
- Micro rings -greater surface area
- Symmetrical neck – better load distribution

- Innovative hollow platform ensure bone preservation & internal osseointegration with the years to come

- Sharp & deep thread for easy incretion
- Narrow core - self tapping
- Prevent damage to the anatomical structures

BioLine®
Dental Implants Series

CDI

The company's implant Cylinder built in order to achieve stability and serve as an anchor for a stable reconstruction. Implant corrugation delicate and multi-donor bone compression insertion process, the cylinder implant is recommended for use in cases of particularly hard bone, but functions well in other cases. cylinder Implant is a classic and reliable product for many years. Easy insertion of the implant in accordance with the recommended drilling Protocol and the geometric structure ensures long term stability.

Anodized coating technology unique anti-bacterial process.

The implants undergo anodized coating process which contributes to creating anti-bacterial shell on titanium raw. The coating is made from natural ingredients Food Standard \ Medicine and unattended polluting ontributes to the mechanical strength and maintaining internal connection implant restoration parts and prevents friction between bare metal, thisprocedure ensures long-term success of rehabilitation on implants.

CDI implant advantag's

- user friendly
- suit wide range of cases & bone types
- engineered for mild compression
- offer excellent stability in hard bone case's
- Biofix biological surface for fast healing and long term osseointegration

RESTORATION OPTIONS

Over Denture
straight/angulated till 30°

Screw Retained
straight/angulated till 50°

Cement Retained
straight/angulated till 45°

Ordering information:

Length \ Dia	3.3	3.75	4.2	5.0	6.0
6		BIO-G3706	BIO-G4206	BIO-G5006	BIO-G6006
8	BIO-G3308	BIO-G3708	BIO-G4208	BIO-G5008	BIO-G6008
10	BIO-G3310	BIO-G3710	BIO-G4210	BIO-G5010	BIO-G6010
11.5	BIO-G3311	BIO-G3711	BIO-G4211	BIO-G5011	BIO-G6011
13	BIO-G3313	BIO-G3713	BIO-G4213	BIO-G5013	BIO-G6013
16	BIO-G3316	BIO-G3716	BIO-G4216	BIO-G5016	

Cylindrical Implant

BioLine®
Dental Implants Series

- Anti-bacterial anodized coating
- Micro rings -greater surface area
- Symmetrical neck – better load distribution

- Straight body
- condensing threads
- High Primary Stability for d1/d2 type of bone

- Deep condensing grooves
- Stable core apex
  Prevent damage to the anatomical structures

BioLine®
Dental Implants Series

OPI

This implant is a single unit containing a body comprising an implant and a straight structure.

The implant is made of 3 mm diameter 3.3 mm and 3.75 mm.

This implant is designed specifically for use in a narrow ridge and narrow place between teeth.

The implant is for immediate loading because of its uniform structure, this implant coated with anti-bacterial anodized gold colored.

The surface of the implant treated the same way in which the treatment is carried out at all our implants series.

OPI Implant advantage

- build in platform switching for soft tissue growth
- user friendly especially for narrow ridges and tight spaces
- can be used for immediate loading
- smooth anti-bacterial collar prevents peri implantitis
- self-tapping for easy incretion
- Biofix Biological surface for fast healing and long term osseointegration

Ordering information:

Length \ Dia	3.0	3.3	3.75
10	BIO-P3010	BIO-P3310	BIO-P3710
11.5	BIO-P3011	BIO-P3311	BIO-P3711
13	BIO-P3013	BIO-P3313	BIO-P3713
16	BIO-P3016	BIO-P3316	BIO-P3716

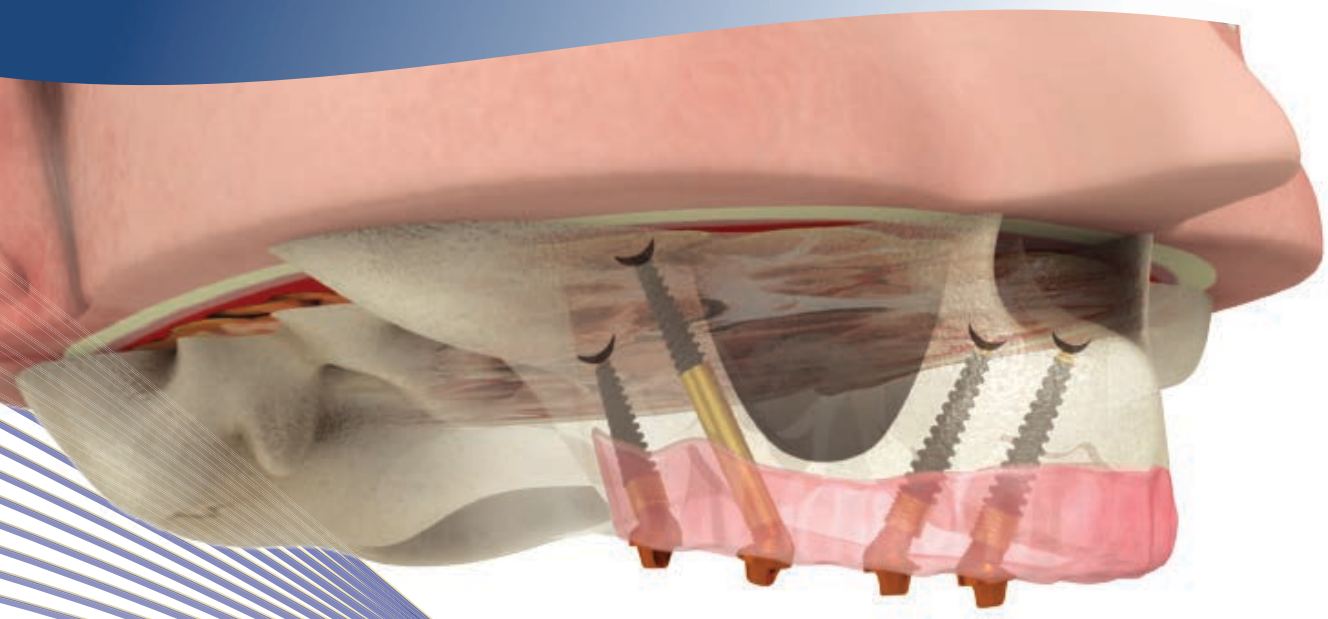
One Piece Implant

BioLine®
Dental Implants Series

- Anti-bacterial anodized coating
- Single piece – build in abutment
- Symmetrical neck – better load distribution

- Tapered body
- High condensing threads
- Sharp threads -self osteotomy creation
- High Primary Stability

- Sharp thread for easy incretion
- Narrow core - self tapping
- Prevent damage to the anatomical structures

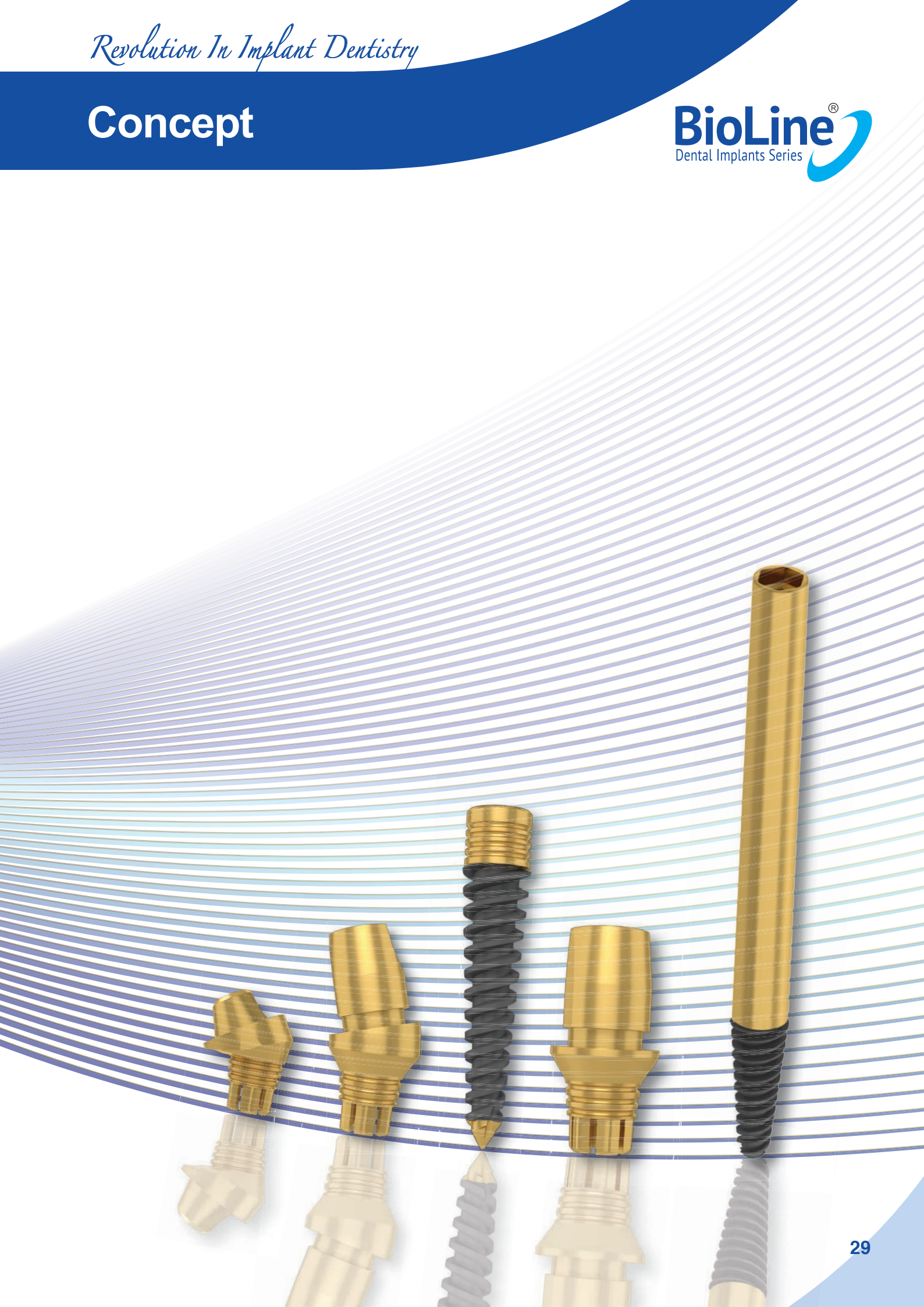


The TILT Concept

Innovative GraftLess Solution For Atrophic Jaws Using Immediate Loading Technique.

Concept

BioLine®
Dental Implants Series



BioLine®
Dental Implants Series

ZYG

Zygomatic implants are an evidence-based surgical and prosthetic solution for both two-stage and immediate loading protocols Today, zygomatic implants are usually placed using an immediate loading protocol The main indication for zygomatic implants is the severely resorbed edentulous maxilla, but they can also be used in partially edentulous situations Indications for zygomatic implant insertion include: alternative for sinus augmentation, failed sinus augmentation, rehabilitation after tumor resection or trauma, failure of conventional implants, failure of previous bone grafts The placement of zygomatic implants requires adequate training and surgical experience

Zygomatic Implant advantage

- Graftless solution – avoid sinus augmentations-time & money saver
- Smooth anti-bacterial long neck – prevent inflammation, even in intra sinus cases
- Shorten the time of permanent teeth delivery
- high primary stability as they supported by the zygomatic bone
- high patient satisfaction

RESTORATION OPTIONS:

Screw Retained
straight/angulated till 50°

Cement Retained
straight/angulated till 45°

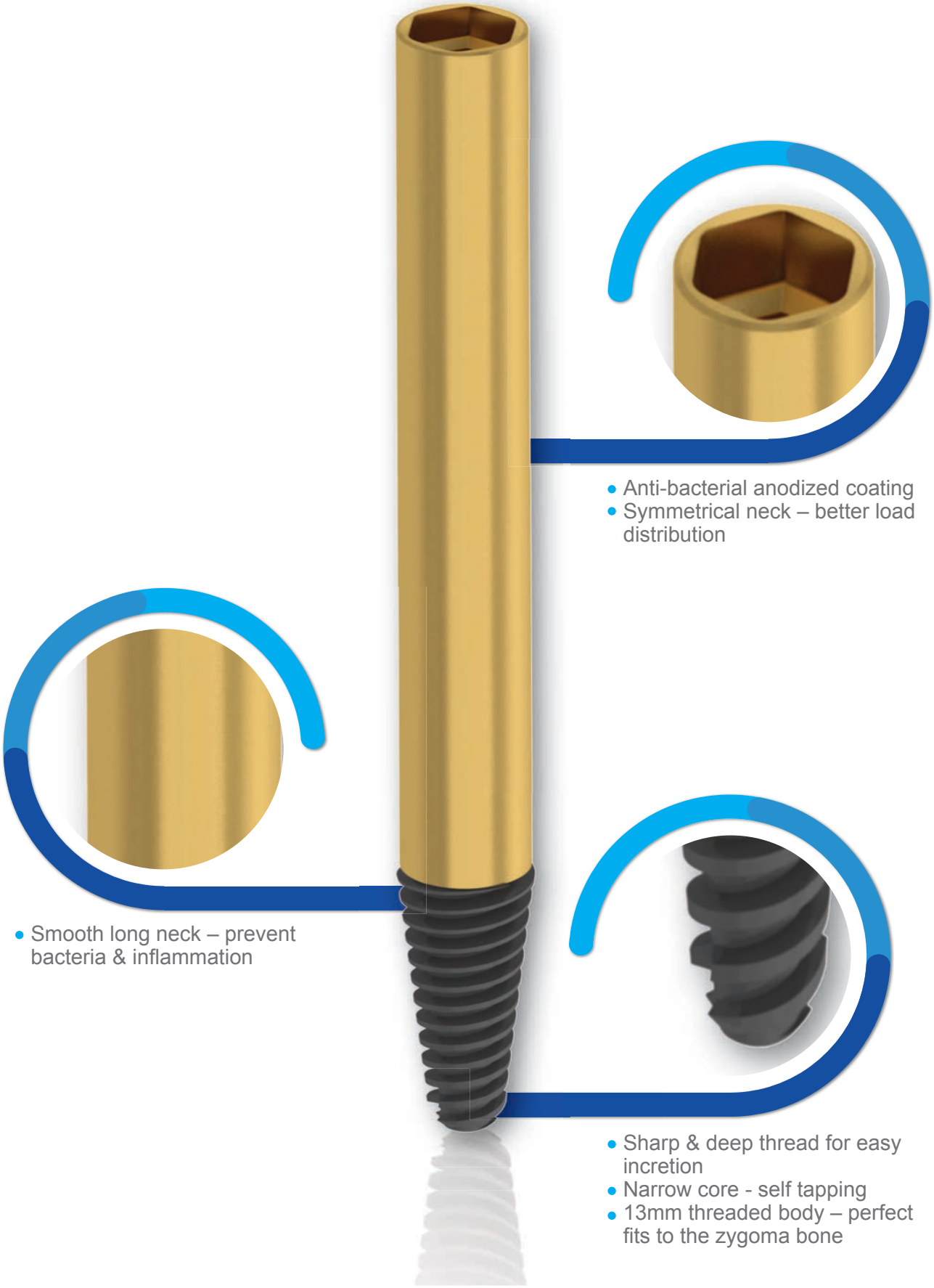
Ordering information:

Length	Dia 3.75	Dia 4.2
30	BIO-ARCH3730	BIO-ARCH4230
35	BIO-ARCH3735	BIO-ARCH4235
40	BIO-ARCH3740	BIO-ARCH4240
45	BIO-ARCH3745	BIO-ARCH4245
50	BIO-ARCH3750	BIO-ARCH4250
55	BIO-ARCH3755	BIO-ARCH4255
60	BIO-ARCH3760	BIO-ARCH4260

Important notice: 3.75 mm diameter of zygomatic implant to be used in case of quad maxillary zygoma and should be placed beside 4.2 mm to split the load distribution and avoid implants fractures

Zygomatic Implant

BioLine®
Dental Implants Series



- Anti-bacterial anodized coating
- Symmetrical neck – better load distribution

- Smooth long neck – prevent bacteria & inflammation

- Sharp & deep thread for easy incretion
- Narrow core - self tapping
- 13mm threaded body – perfect fits to the zygoma bone

Pterygoid implant insertion is an alternative to avoid sinus-lifting or other grafting procedures to treat the posterior maxilla

Pterygoid implant are especially used in partial edentulism in order to avoid distal cantilevers

The placement of a pterygoid implant requires surgical experience

Pterygoid implants have high success rates, lesser bone loss levels to those of conventional implants, minimal complications and a good patient acceptance

Pterygoid implant advantage's

- Graftless solution – avoid sinus augmentations-time & money saver
- Shorten the time of permanent teeth delivery
- Gold anti-bacterial neck, prevent peri implantitis and crestal bone loss
- bone condensing threads-maximum primary implant stability
- Sharp thin apex, easy biocritical anchorage
- Biofix Biological surface for fast healing and long term osseointegration

RESTORATION OPTIONS:

Screw Retained
straight/angulated till 50°

Cement Retained
straight/angulated till 45°

Ordering information:

Length \ Dia	3.0	3.5	3.75	4.2
16	BIO-I3016	BIO-I3516	BIO-I3716	BIO-I4216
18	BIO-I3018	BIO-I3518	BIO-I3718	BIO-I4218
20	BIO-I3020	BIO-I3520	BIO-I3720	BIO-I4220
22	BIO-I3022	BIO-I3522	BIO-I3722	BIO-I4222
25	BIO-I3025	BIO-I3525	BIO-I3725	BIO-I4225

* Slim Version
2.1 Mm Hexagon

Pterygoid Implant

BioLine®
Dental Implants Series

- gold anodized anti bacterial coating
- machined micro thread design
- crestal bone preservation
- high initial stability

- high cutting
- high bone condesing aggressive
- square threaded design

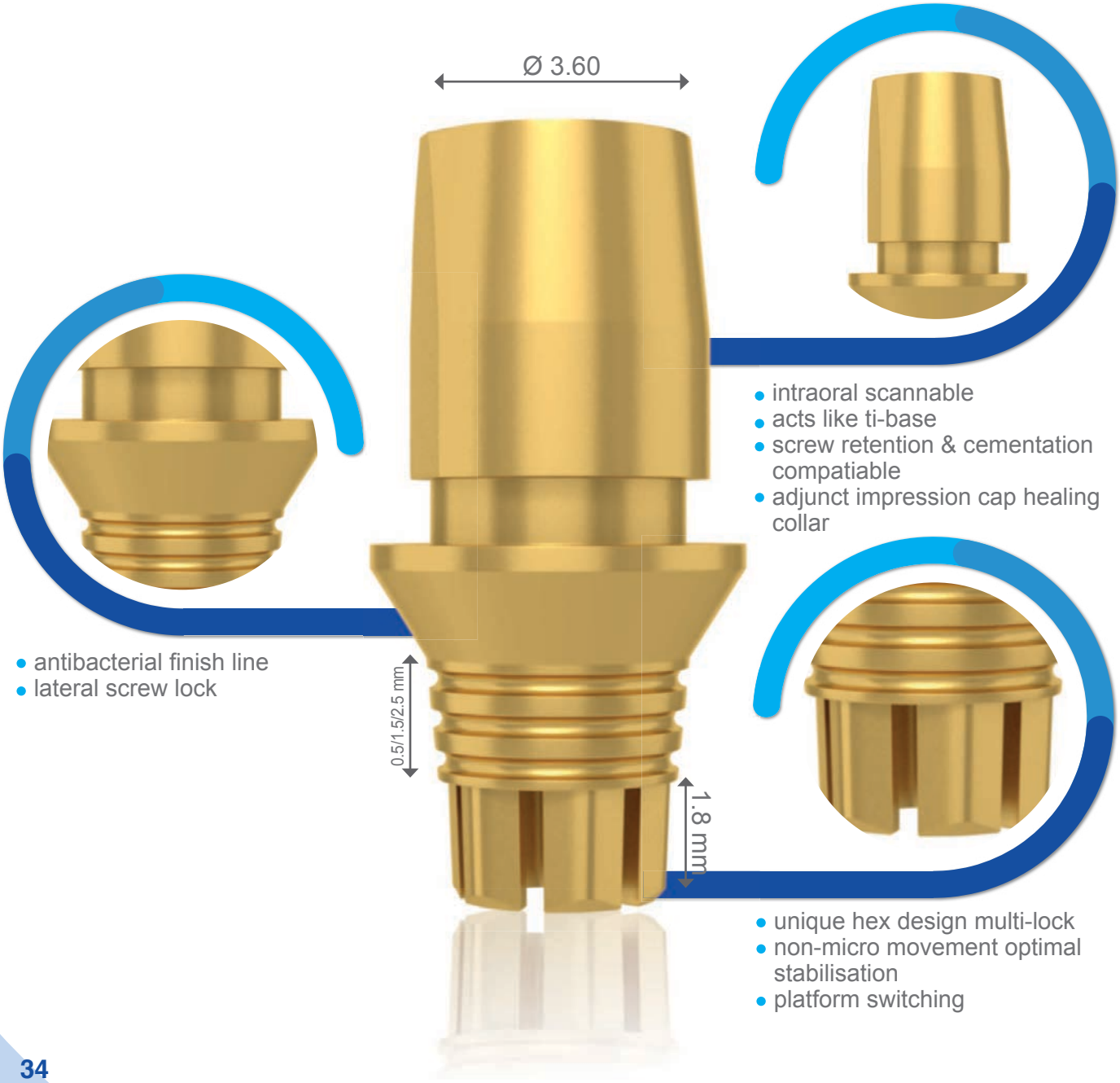
- sharp apex for bicortical anchorage
- gold anodized anti bacterial coating
- easy insertion
- high primary engagement

BioLine®
Dental Implants Series

The tilt

The concept of tilted implants brings to the table a unique state of the art prosthetics components line in order to improve the quality of restoration which was the only limit of tilted implants many years back
The use of our innovative abutment's makes restoration easier, with the perfect achievement of precision and correct the angulation of the implant after placement without a limit.
Our all premium tilted implants prosthetics supported the platform switching concept with a thin platform level available in different heights to ensure perfect fitting in sub - crestal implant placement that prevent crestal bone loss and increase the success rate of the implant even in compromise situations

A Revolution In Dental Implantology



- intraoral scannable
- acts like ti-base
- screw retention & cementation compatiable
- adjunct impression cap healing collar

- antibacterial finish line
- lateral screw lock

- unique hex design multi-lock
- non-micro movement optimal stabilisation
- platform switching

Prosthetics solutions

BioLine® Dental Implants Series

one smart abutment
Straight Abutment

Cat No.	BIO-IS-05	BIO-IS-15	BIO-IS-25
Height	0.5 mm	1.5 mm	2.5 mm

15⁰ Angulated Abutment

Cat No.	BIO-IA15-05	BIO-IA15-15	BIO-IA15-25
Height	0.5 mm	1.5 mm	2.5 mm

25⁰ Angulated Abutment

Cat No.	BIO-IA25-05	BIO-IA25-15	BIO-IA25-25
Height	0.5 mm	1.5 mm	2.5 mm

35⁰ Angulated Abutment

Cat No.	BIO-IA35-05	BIO-IA35-15	BIO-IA35-25
Height	0.5 mm	1.5 mm	2.5 mm

45⁰ Angulated Abutment

Cat No.	BIO-IA45-05	BIO-IA45-15	BIO-IA45-25
Height	0.5 mm	1.5 mm	2.5 mm

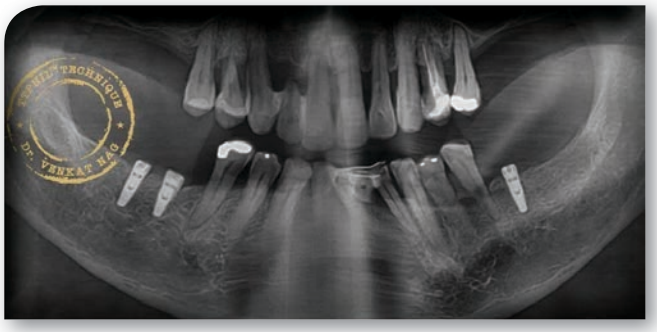
Angulated Multi-Unit Abutment

Cat No.	BIO-MS-09-10	BIO-MS-18-10	BIO-MS-30-10	BIO-MS-40-10	BIO-MS-50-10

* All angles are available height 1mm

IMMEDIATE IMPLANTATION LOADING WITHOUT CANTILEVER USEING SCREW RETAINED PROSTHETICS MAXILLARY ARCH REHABILITATION

By Dr P. Venkat Nag. Hyderabad India

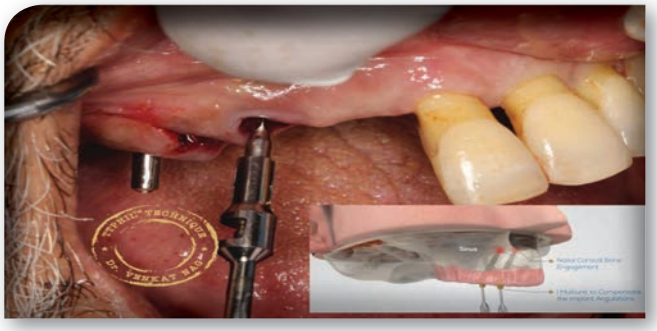


1. Maxillary arch failing dentition lower 36,46,47 loeer implants placed 2 years back

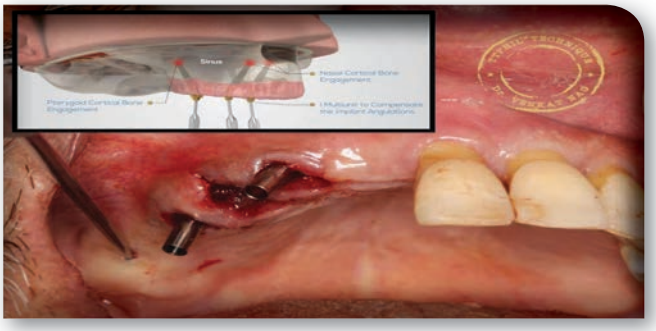
2. Pre operation

3. Single drill concept osseo condensation multicortical ahchorage

4. Biloline pterygoid (implant) sharp apex for easy cortical engagement



5. Nasal cortical bone engagement



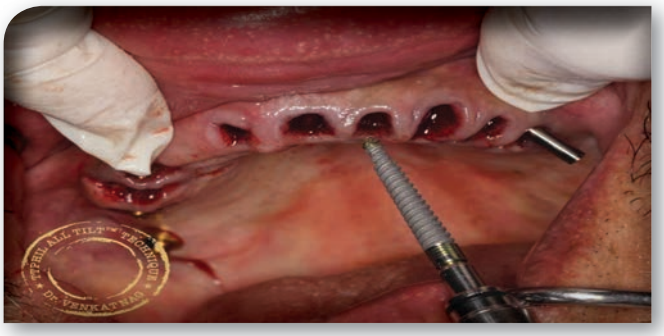
6. Pterygoid cortical bone engagement

Report

BioLine® Dental Implants Series

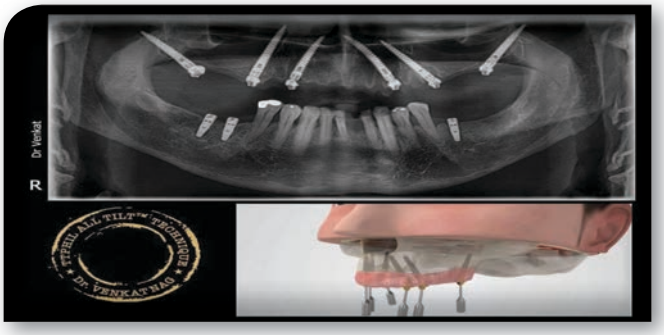
7. Reverse torque test >45 NC

8. High torque >60 NC bicortical engagement

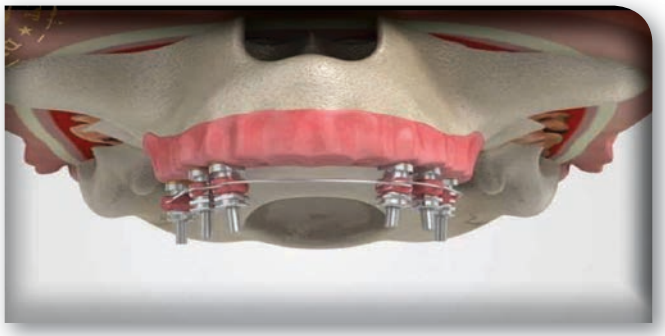


9. Pterygoid implant before placement

10. Flapless pterygoid engaging the pterygoid piller

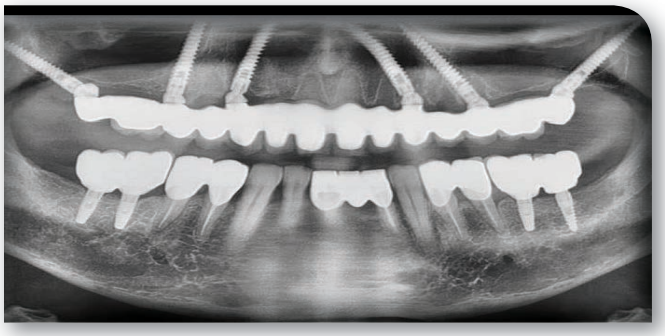


11. All on 6 pterygoid implants



12. Impressions done on the day of surgery

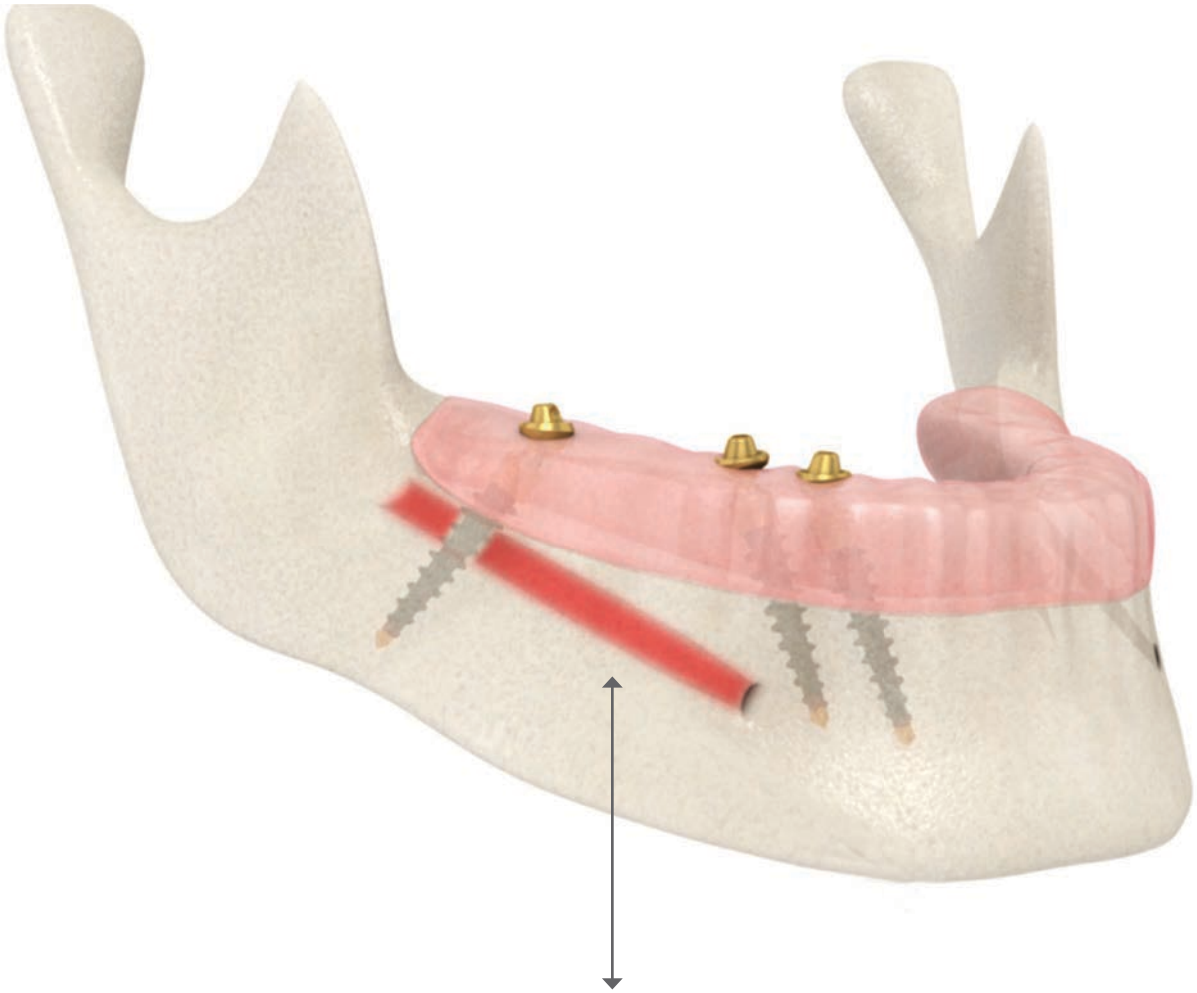
13. Final results



14. Immediate loading + no cantilever + screw retained prosthesis in just 2 days with all tilt protocol

BioLine®
Dental Implants Series

Nerve bypass



nerve bypass technique

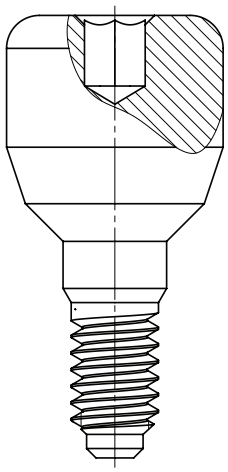
I-H prosthetics

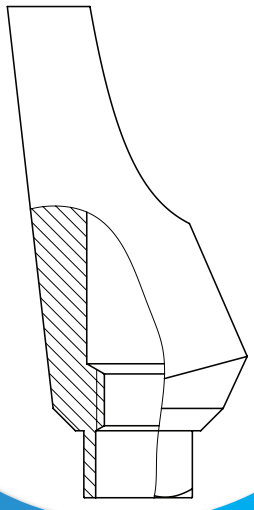
BioLine®
Dental Implants Series

INTERNAL HEX

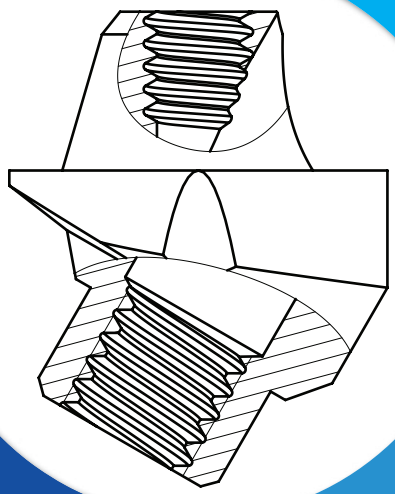
prosthetics solutions

healing abutments





angulated abutment



multi unit

BioLine® Dental Implants Series

Healing Caps

Diameter 3.3 mm Slim *for 2.9 mm implant

Cat No.	BIO-H3302	BIO-H3303	BIO-H3304	BIO-H3305	BIO-H3306	BIO-H3307
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Diameter 3.8 mm Standard

Cat No.	BIO-H3802	BIO-H3803	BIO-H3804	BIO-H3805	BIO-H3806	BIO-H3807
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Diameter 4.6 mm Standard

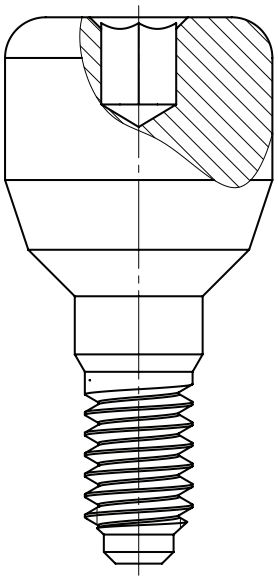
Cat No.	BIO-H4602	BIO-H4603	BIO-H4604	BIO-H4605	BIO-H4606	BIO-H4607
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Diameter 5.5 mm Wide

Cat No.	BIO-H5502	BIO-H5503	BIO-H5504	BIO-H5505	BIO-H5506	BIO-H5507
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Diameter 6 mm Wide

Cat No.	BIO-H6302	BIO-H6303	BIO-H6304	BIO-H6305	BIO-H6306	BIO-H6307
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm



Healing Caps

Straight Abutments

BioLine® Dental Implants Series

Straight Abutment

Cat No.	BIO-A5908	BIO-A5909	BIO-A5911	BIO-A5912	BIO-A5601	BIO-A5602
Height	8.5 mm	9.5 mm	10.5 mm	11 mm	8.5 mm	10.5 mm

Straight Shoulder Abutment

Cat No.	BIO-A4801	BIO-A4802	BIO-A4803	BIO-A4804	BIO-A5001	BIO-A5002 Non-Hex
Height	8.5 mm	9.5 mm	10.5 mm	11.5 mm	9.5 mm	9.5 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm	4.00 mm	1.70 mm	1.70 mm

Straight Shoulder Abutment

Cat No.	BIO-A5300	BIO-A5301	BIO-A5302
Height	8.5 mm	8.5 mm	8.5 mm
Shoulder	0.50 mm	1.50 mm	2.50 mm

Straight smooth Abutment

Cat No.	BIO-A6006	BIO-A6008	BIO-A6011
Height	6.00 mm	8.00 mm	11.00 mm
Shoulder	N/A	N/A	N/A

Straight Anatomic Abutment

Cat No.	BIO-A4601	BIO-A4602	BIO-A4603	BIO-A4604
Height	9.00 mm	10.00 mm	11.00 mm	12.00 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm	4.00 mm

Slim straight Abutment *for 2.9 mm implant

Cat No.	BIO-A5909-S	BIO-A5911-S
Height	9.0 mm	11.0 mm

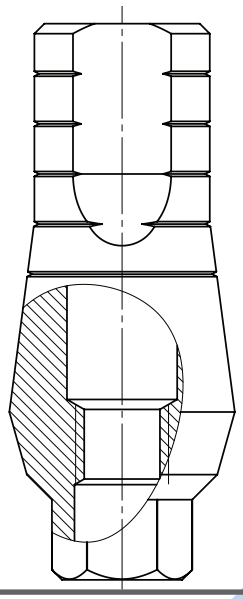
Slim straight Anatomic Abutment *for 2.9 mm implant

Cat No.	BIO-A3801-S	BIO-A3802-S	BIO-A3803-S	BIO-A3804-S
Height	9.00 mm	10.00 mm	11.00 mm	12.00 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm	4.00 mm

Screw for Abutment

Included with all types of abutments

Cat No.	BIO-S8324



BioLine® Dental Implants Series

Angulated Abutments

15⁰

15⁰ Standard Abutment

Cat No.	BIO-A3207	BIO-A3208	BIO-A3209	BIO-A3211
Height	7 mm	8.5 mm	9 mm	11 mm

15⁰ Anatomic Standard Abutment

Cat No.	BIO-A2400	BIO-A2401	BIO-A2402	BIO-A2403	BIO-H3806
Height	8.5 mm	9.5 mm	10.5 mm	11.5 mm	12.5 mm
Shoulder	0.80 mm	1.00 mm	2.00 mm	3.00 mm	4.00 mm

15⁰ Standard Slim Abutment *for 2.9 mm implant

Cat No.	BIO-A3209-S	BIO-A3211-S
Height	9 mm	11 mm

15⁰ Anatomic Slim Abutment *for 2.9 mm implant

Cat No.	BIO-A2401-S	BIO-A2402-S	BIO-A2403-S	BIO-A2404-S
Height	9.5 mm	10.5 mm	11.5 mm	12.5 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm	4.00 mm

25⁰

25⁰ Standard Abutment

Cat No.	BIO-A3407	BIO-A3409	BIO-A3411
Height	7 mm	9 mm	11 mm

25⁰ Standard Slim Abutment *for 2.9 mm implant

Cat No.	BIO-A3407-S
Height	7 mm

25⁰ Anatomic Standard Abutment

Cat No.	BIO-A2601	BIO-A2602	BIO-A2603	BIO-A2604
Height	9.5 mm	10.5 mm	11.5 mm	12.5 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm	4.00 mm

35⁰

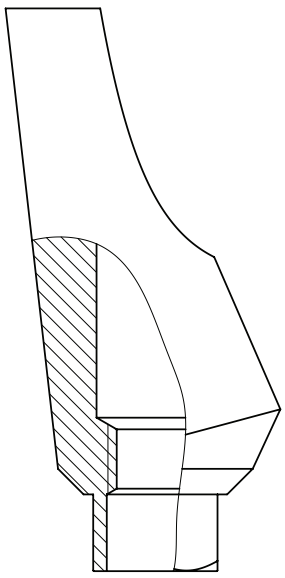
35⁰ Standard Abutment

Cat No.	BIO-A3509
Height	9 mm

45⁰

45⁰ Standard Abutment

Cat No.	BIO-A4509
Height	9 mm



Temporary Peek Abutments

BioLine® Dental Implants Series

Peek Straight Anatomic Abutment

Cat No.	BIO-P4510	BIO-P4520	BIO-P4530
Height	9 mm	10 mm	11 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm

Peek Anatomic Abutment 15⁰

Cat No.	BIO-P2401	BIO-P2402	BIO-P2403
Height	9 mm	10 mm	11 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm

Peek Anatomic Abutment 25⁰

Cat No.	BIO-P2601	BIO-P2602	BIO-P2603
Height	9 mm	10 mm	11 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm

Castable Abutments

Castable Narrow Abutment

Cat No.	BIO-C1001 NON-HEX	BIO-C1002 HEX

Slim Castable Abutment *for 2.9 mm implant

Cat No.	BIO-C1001-S NON-HEX	BIO-C1002-S HEX

Castable Abutment

Cat No.	BIO-C2003 NON-HEX	BIO-C2004 HEX

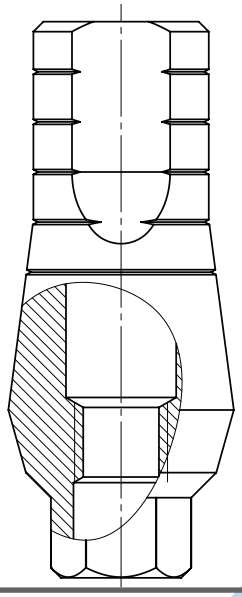
Ucla Abutment

Cat No.	BIO-C2001 UCLA

Screw for Abutment

Included with all types of abutments

Cat No.	BIO-S8324



Temporary Peek Abutments

BioLine® Dental Implants Series

Impression components

Transfer For Open Tray

Cat No.	BIO-T4008	BIO-T4201	BIO-T4012
Height	4.75 mm 8.00 mm	4.30 mm 12.00 mm	4.75 mm 12.00 mm

Slim Transfer For Open Tray *for 2.9 mm implant

Cat No.	BIO-T4012-S
Height	4.75 mm 12.00 mm

Transfer For Close Tray

Cat No.	BIO-T3507	BIO-T3511	BIO-T3601
Diameter	3.85 mm	4.50 mm	4.75 mm
Height	12.00 mm	12.00 mm	8.00 mm

Slim Transfer For Close Tray *for 2.9 mm implant

Cat No.	BIO-T3507-S	BIO-T3601-S
Diameter	3.85 mm	4.75 mm
Height	12.00 mm	8.00 mm

Click Transfer For Close Tray

Cat No.	BIO-T3409	BIO-T3413
Diameter	4.70 mm	4.70 mm
Height	9.00 mm	13.00 mm

Ball Transfer

Cat No.	BIO-T3801	BIO-T3802	BIO-T3803	BIO-T3804	BIO-T3805
Diameter	4.75 mm	4.75 mm	4.75 mm	4.75 mm	4.75 mm
Shoulder	1.00 mm	2.00 mm	3.00 mm	4.00 mm	5.00 mm

Plastic Cap For Ball Transfer

Cat No.	BIO-T4401	BIO-T4402
Diameter	4.75 mm	4.75 mm
Height	7.00 mm	10.00 mm

Screw for Transfer

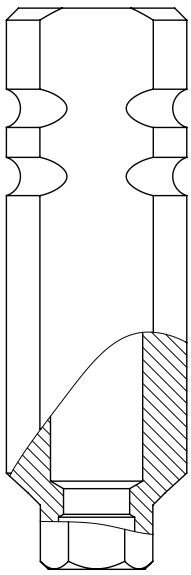
Cat No.	BIO-S1307	BIO-S1610	BIO-S2418
Height	13.00 mm	16.00 mm	24.00 mm

Implant Analog

Cat No.	BIO-T6404	BIO-T6405
Diameter	4.00 mm	5.00 mm
Height	12.75 mm	12.75 mm

Slim Implant Analog *for 2.9 mm implant

Cat No.	BIO-T6404-S
Diameter	4.00 mm
Height	12.75 mm



Impression Components

Ball attachment

BioLine® Dental Implants Series

Ball Attachment

Cat No.	BIO-T1200	BIO-T1201	BIO-T1202	BIO-T1203	BIO-T1204	BIO-T1205	BIO-T1206	BIO-T1207
Height	0.5 mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	7 mm

Slim Ball Attachment *for 2.9 mm implant

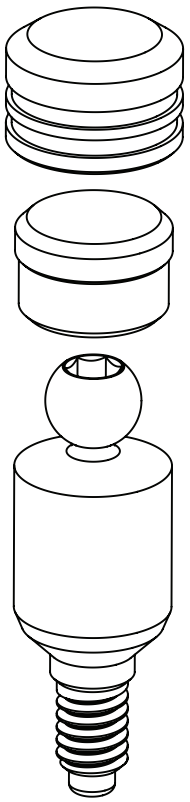
Cat No.	BIO-T1200-SL	BIO-T1201-SL	BIO-T1202-SL	BIO-T1203-SL	BIO-T1204-SL	BIO-T1205-SL	BIO-T1206-SL	BIO-T1207-SL
Height	0.5 mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	7 mm

Metal Cap For Ball Attachment

Cat No.	BIO-T3001

Caps 2.5mm for Ball Attachment

Cat No.	BIO-T3002 Silicone Extra soft	BIO-T3003 Silicone Soft	BIO-T3004 Silicone Standart



Ball Attachment

BioLine® Dental Implants Series

Locator attachment

Power Click Straight Abutment

Cat No.	BIO-PCA00	BIO-PCA01	BIO-PCA02	BIO-PCA03	BIO-PCA04	BIO-PCA05	BIO-PCA06
Height	0.5 mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm

Metal Cap For Power Click Attachment

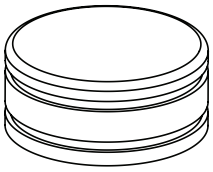
Cat No.	BIO-PCMC0

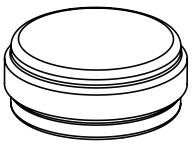
Silicone Sealed Ring

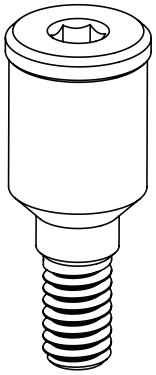
Cat No.	BIO-PCSSR

Silicone Softness

Cat No.	BIO-CN088 Extra soft	BIO-CN087 soft	BIO-CN086 standart	BIO-CN090 Hard







Locator Attachment

Angulated attachment

BioLine®
Dental Implants Series

Versatile Angulated Connection Base

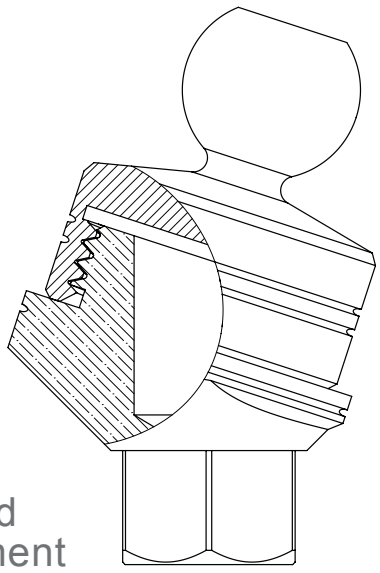
Cat No.	BIO-VAC09-I	BIO-VAC18-I	BIO-VAC30-I
Diameter	4.60 mm	4.60 mm	4.60 mm
Angle	9^0	18^0	30^0

Ball Attachment For V.A.C

Cat No.	BIO-BVAC2-I	BIO-BVAC3-I	BIO-BVAC4-I	BIO-BVAC5-I
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm

Power Click Attachment For V.A.C

Cat No.	BIO-PVAC2-I	BIO-PVAC3-I	BIO-PVAC4-I	BIO-PVAC5-I
Height	2.00 mm	3.00 mm	4.00 mm	5.00 mm



Angulated
Attachment

BioLine® Dental Implants Series

Multi-units abutments

Multi-Unit Straight Abutment

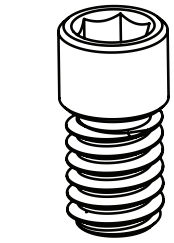
Cat No.	BIO-M0101	BIO-M0102	BIO-M0103	BIO-M0104	BIO-M0105	BIO-M0106
Height	1.00 mm	2.00 mm	3.00 mm	4.00 mm	5.00 mm	6.00 mm

Slim Multi-Unit Straight Abutment *for 2.9 mm implant

Cat No.	BIO-M0101-S	BIO-M0102-S	BIO-M0103-S
Height	1.00 mm	2.00 mm	3.00 mm

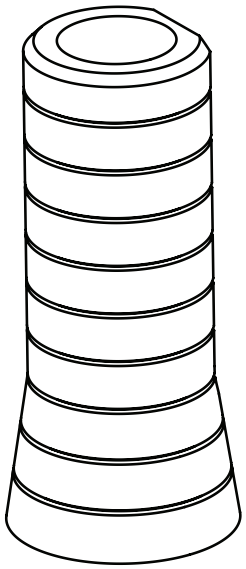
Multi-Unit Plastic castable Sleeve

Cat No.	BIO-MPL01



Multi-Unit Titanium Sleeve

Cat No.	BIO-MTI01



Multi-Unit Short Titanium Sleeve

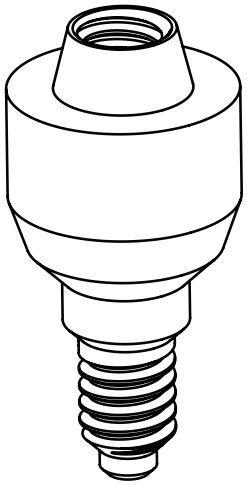
Cat No.	BIO-MTI0S

Healing Cap For Multi-Unit

Cat No.	BIO-M0HC1

Transfer For Multi-Unit

Cat No.	BIO-M0TR1



Analog For Multi-Unit

Cat No.	BIO-M0AN1

Screw for Multi-Unit

Included with all types of abutments

Cat No.	BIO-MOSC1

Multi-Units Abutments

Angulated multi-unit

BioLine® Dental Implants Series

Angulated Multi-Unit Abutment

| Cat No. | BIO-MU09 | BIO-MU18 | BIO-MU30 | BIO-MU40 | BIO-MU50 |

* All angles are available heights 1-3

Slim Angulated Multi-Unit Abutment *for 2.9 mm implant

| Cat No. | BIO-MU09-S | BIO-MU18-S | BIO-MU30-S | BIO-MU40-S | BIO-MU50-S |

* All angles are available heights 1-3

Multi-Unit Plastic Castable Sleeve

| Cat No. | BIO-MPLD |

Multi-Unit Titanium Sleeve

| Cat No. | BIO-MUTSDL |

Multi-Unit Short Titanium Sleeve

| Cat No. | BIO-MUTSDH |

Healing Cap For Multi-Unit

| Cat No. | BIO-MUHC1 |

Close Transfer For Multi-Unit

| Cat No. | BIO-MUTRIC |

Open Transfer For Multi-Unit

| Cat No. | BIO-MUTRIO |

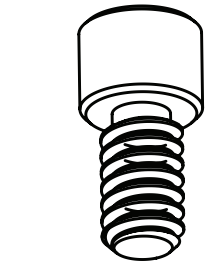
Analog For Multi-Unit

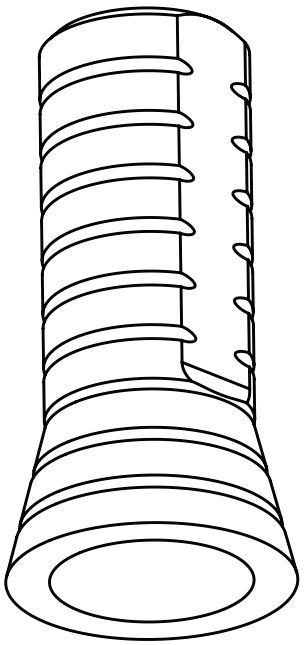
| Cat No. | BIO-MUANAD |

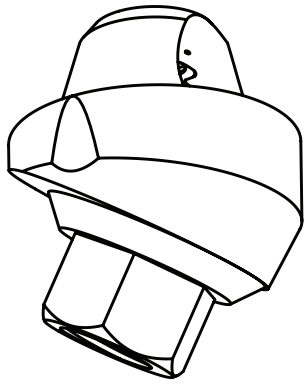
Screw for Angulated Multi-Unit

Included with all types of abutments

| Cat No. | BIO-MSC |



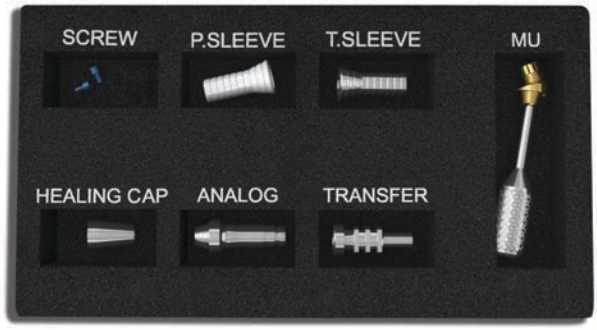




Angulated Multi-Unit

BioLine®
Dental Implants Series

Multi-units



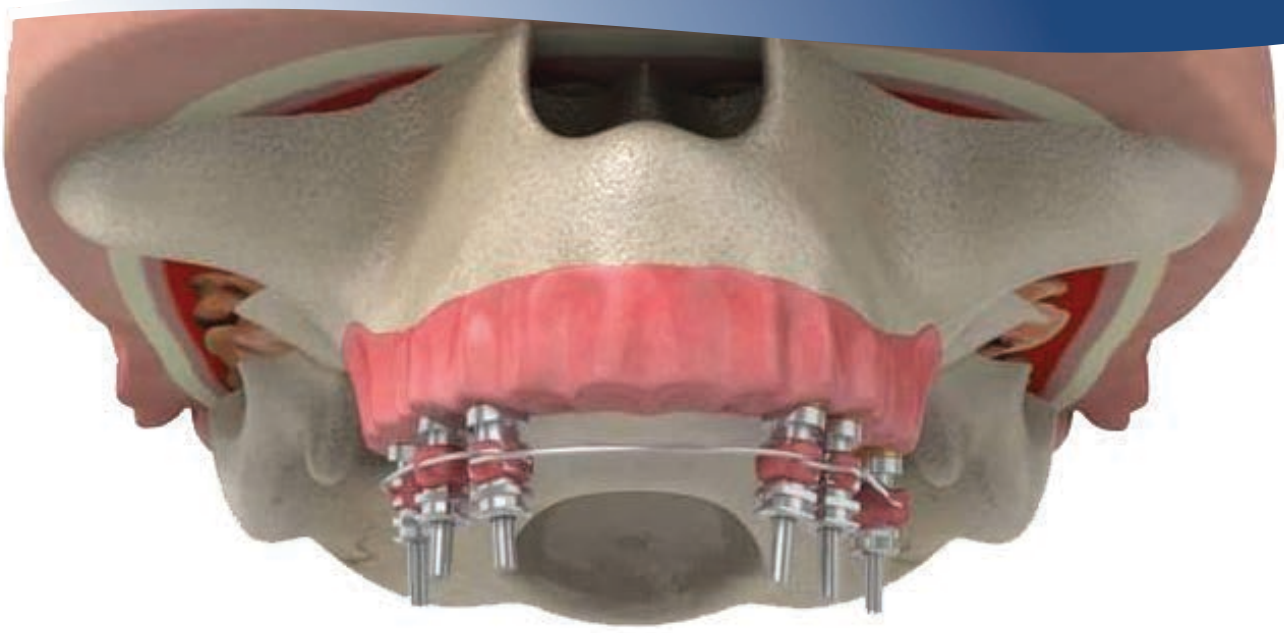
All the needs for a successful screw retained restoration in one user friendly premium set.
Simplify the whole procedure for single / multiple units.

Multi-unit premium set contain:

- Straight / angulated multi-unit abutment
- Castable sleeve
- Titanium sleeve
- Healing cap
- Transfer copy
- Lab analog
- Prosthetic's screw

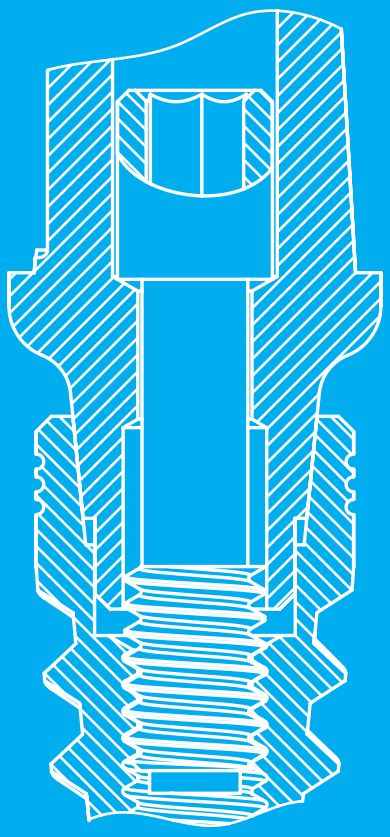
premium set

BioLine®
Dental Implants Series



full arch impression coping
screw retained prosthetics

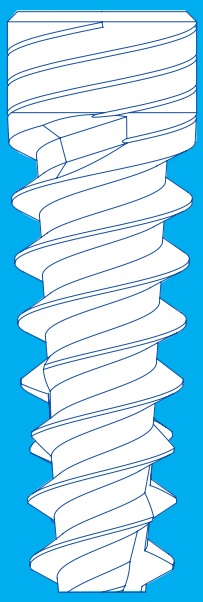
CONICAL CONNECTION IMPLANTS



Conical connection advantage's

- Easy simple to use
- Sealed connection reduce bacteria risk
- Prevent screw loosening
- High mechanical strength capacity
- High accuracy and easy future maintenance

NEW GENERATION OF CONICAL CONNECTION IMPLANT SERIES



CCR

BioLine®
Dental Implants Series

CCR

Our series of conical connection implants based on our proved and familiar structure of spiral implant [SDI] which become a best seller proven product over more than 32 countries worldwide more than 12 years. Conical connection design brings the solution for ensuring long term stability of restoration parts connected to the implant. The conical geometry of implants connection area and prosthetic parts spread on wider basis and create cold welding between the parts with almost no load on the traditional titanium screw, this geometry also double the mechanical stance of the implant-abutment during the use by patient for many years to come. The connection point is 100% sealed and tightened.

CCR Implant advantage's

- user friendly
- easy & fast incretion lead by the active design
- improved bone cutting and condensing ability's
- higher BIC (Bone & implant contact) lead for excellent primary stability
- can be used for immediate placement & loading
- reduce Bone resorption
- Biofix Biological surface for fast healing and long term osseointegration.

RESTORATION OPTIONS:

Over Denture
straight/angulated till 30°

Screw Retained
straight/angulated till 50°

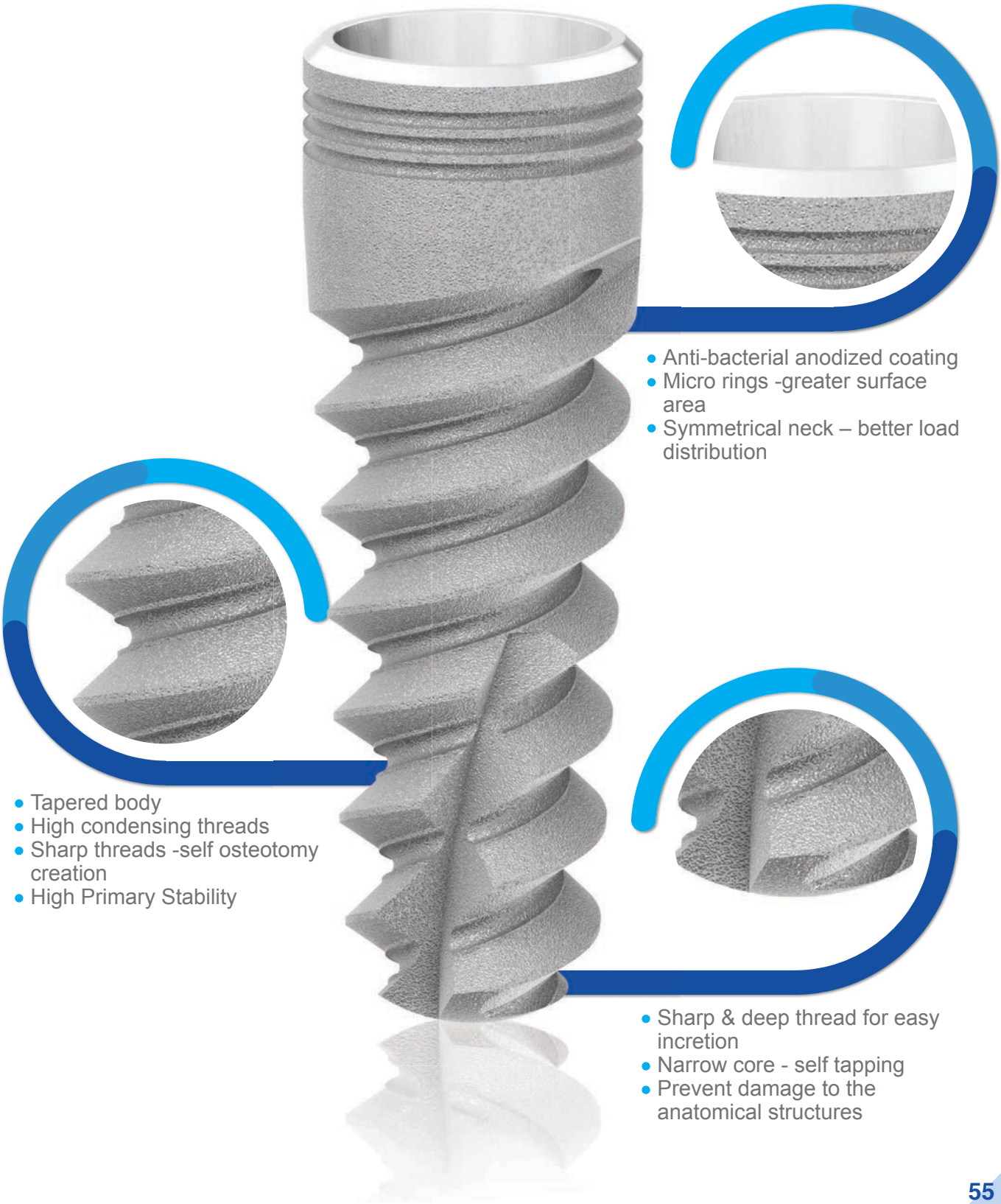
Cement Retained
straight/angulated till 45°

Ordering information:

Length \ Dia	3.75	4.2	5.0	6.0
6	*BIO-CCR3706	*BIO-CCR4206	*BIO-CCR5006	*BIO-CCR6006
8	*BIO-CCR3708	*BIO-CCR4208	*BIO-CCR5008	*BIO-CCR6008
10	*BIO-CCR3710	*BIO-CCR4210	*BIO-CCR5010	*BIO-CCR6010
11.5	*BIO-CCR3711	*BIO-CCR4211	*BIO-CCR5011	*BIO-CCR6011
13	*BIO-CCR3713	*BIO-CCR4213	*BIO-CCR5013	*BIO-CCR6013
16	*BIO-CCR3716	*BIO-CCR4216	*BIO-CCR5016	*BIO -CCR6016

Conical connection

BioLine®
Dental Implants Series



- Anti-bacterial anodized coating
- Micro rings -greater surface area
- Symmetrical neck – better load distribution

- Tapered body
- High condensing threads
- Sharp threads -self osteotomy creation
- High Primary Stability

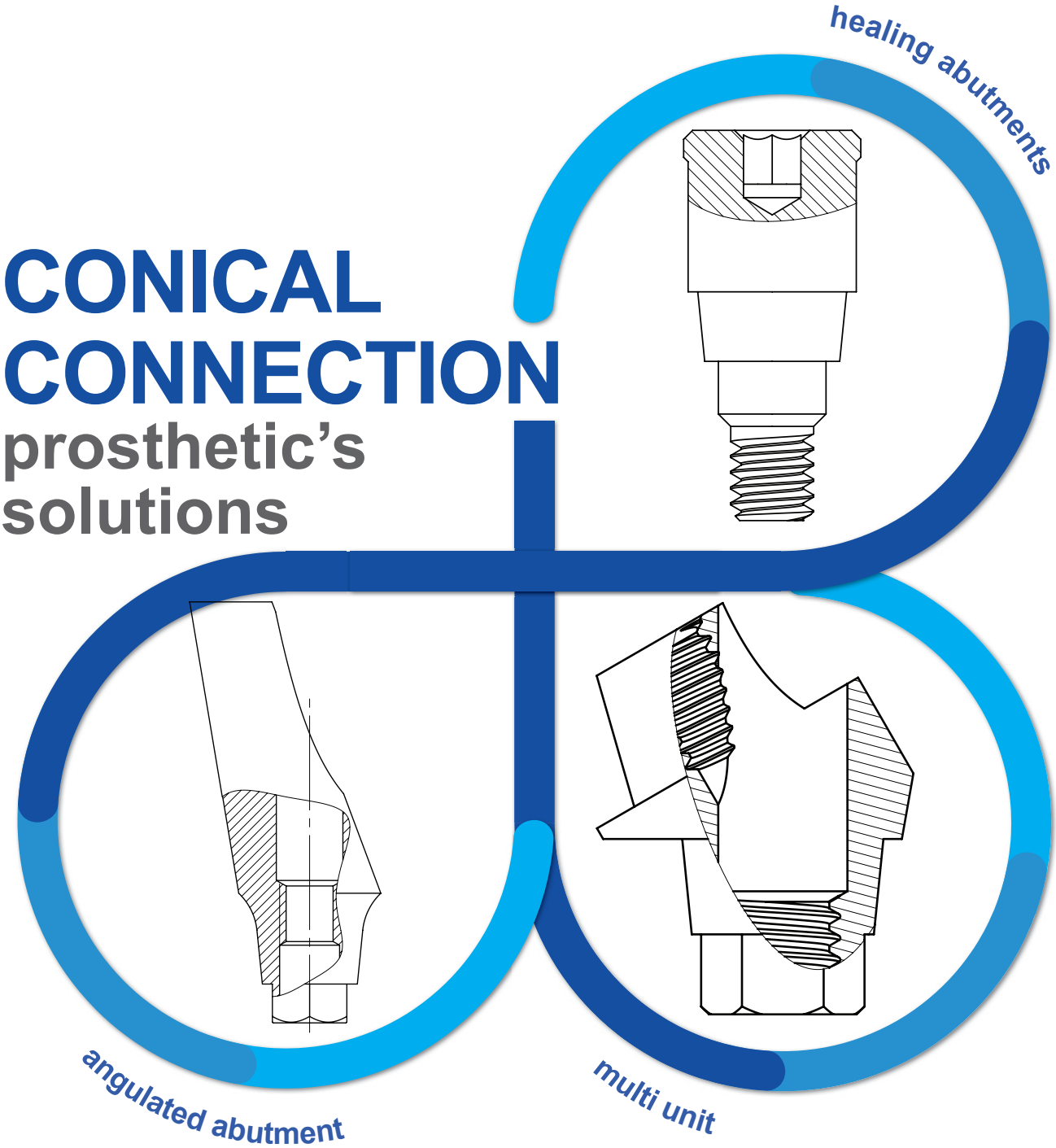
- Sharp & deep thread for easy incretion
- Narrow core - self tapping
- Prevent damage to the anatomical structures

BioLine®
Dental Implants Series

C-C prosthetic's

CONICAL CONNECTION

prosthetic's solutions



C-C prosthetic's

BioLine® Dental Implants Series

Conical Healing Cap

Diameter 4.0 mm Standard

Cat No.	BIO-CHC4003	BIO-CHC4004	BIO-CHC4005	BIO-CHC4006	BIO-CHC4007
Height	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Diameter 5.0 mm Wide

Cat No.	BIO-CHC5003	BIO-CHC5004	BIO-CHC5005	BIO-CHC5006	BIO-CHC5007
Height	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Diameter 6.0 mm Wide

Cat No.	BIO-CHC6003	BIO-CHC6004	BIO-CHC6005	BIO-CHC6006	BIO-CHC6007
Height	3.00 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Conical Straight Abutment

Cat No.	BIO-CCA5907	BIO-CCA5909	BIO-CCA5911
Height	7.00 mm	9.00 mm	11.00 mm

Conical Anguletad Abutment 15^{0}

Cat No.	BIO-CA3207	BIO-CA3208	BIO-CA3209	BIO-CA3211
Height	7.00 mm	8.00 mm	9.00 mm	11.00 mm

Conical Anguletad Abutment 25^{0}

Cat No.	BIO-CA3407	BIO-CA3408	BIO-CA3409	BIO-CA3411
Height	7.00 mm	8.00 mm	9.00 mm	11.00 mm

BioLine®
Dental Implants Series

C-C prosthetic's

Conical Ball Atachment

Cat No.	BIO-CBA-1200-1-S	BIO-CBA-1200-2-S	BIO-CBA-1200-3-S	BIO-CBA-1200-4-S	BIO-CBA-1200-5-S	BIO-CBA-1200-6-S	BIO-CBA-1200-7-S
Height	1.00 mm	2.00 mm	3.0 mm	4.00 mm	5.00 mm	6.00 mm	7.00 mm

Conical Locator

Cat No.	BIO-CCPCA-01	BIO-CCPCA-02	BIO-CCPCA-03	BIO-CCPCA-04	BIO-CCPCA-05	BIO-CCPCA-06
Height	1.00 mm	2.00 mm	3.0 mm	4.00 mm	5.00 mm	6.00 mm

Conical straight Multi Unit

Cat No.	BIO-CCM101	BIO-CCM102	BIO-CCM103	BIO-CCM104	BIO-CCM105	BIO-CCM106
Height	1.00 mm	2.00 mm	3.0 mm	4.00 mm	5.00 mm	6.00 mm

Conical Angulated multi Unit

Cat No.	BIO-CAMU09	BIO-CAMU18	BIO-CAMU30	BIO-CAMU40	BIO-CAMU50
degrees	9 0	18 0	30 0	40 0	50 0

Conical Transfer

Cat No.	BIO-T3507C	BIO-T3601C	BIO-T4212C
diameter	3.85 mm	4.75 mm	4.80 mm
height	12.0mm	8.0 mm	14.8 mm

Conical Lab Analog

Cat No.	BIO-T6404CC
height	12.75 mm

C-C prosthetic's

BioLine® Dental Implants Series

Conical Motor Mount

Cat No.	BIO-X1015C
height	28.0 mm

Conical Implants Driver

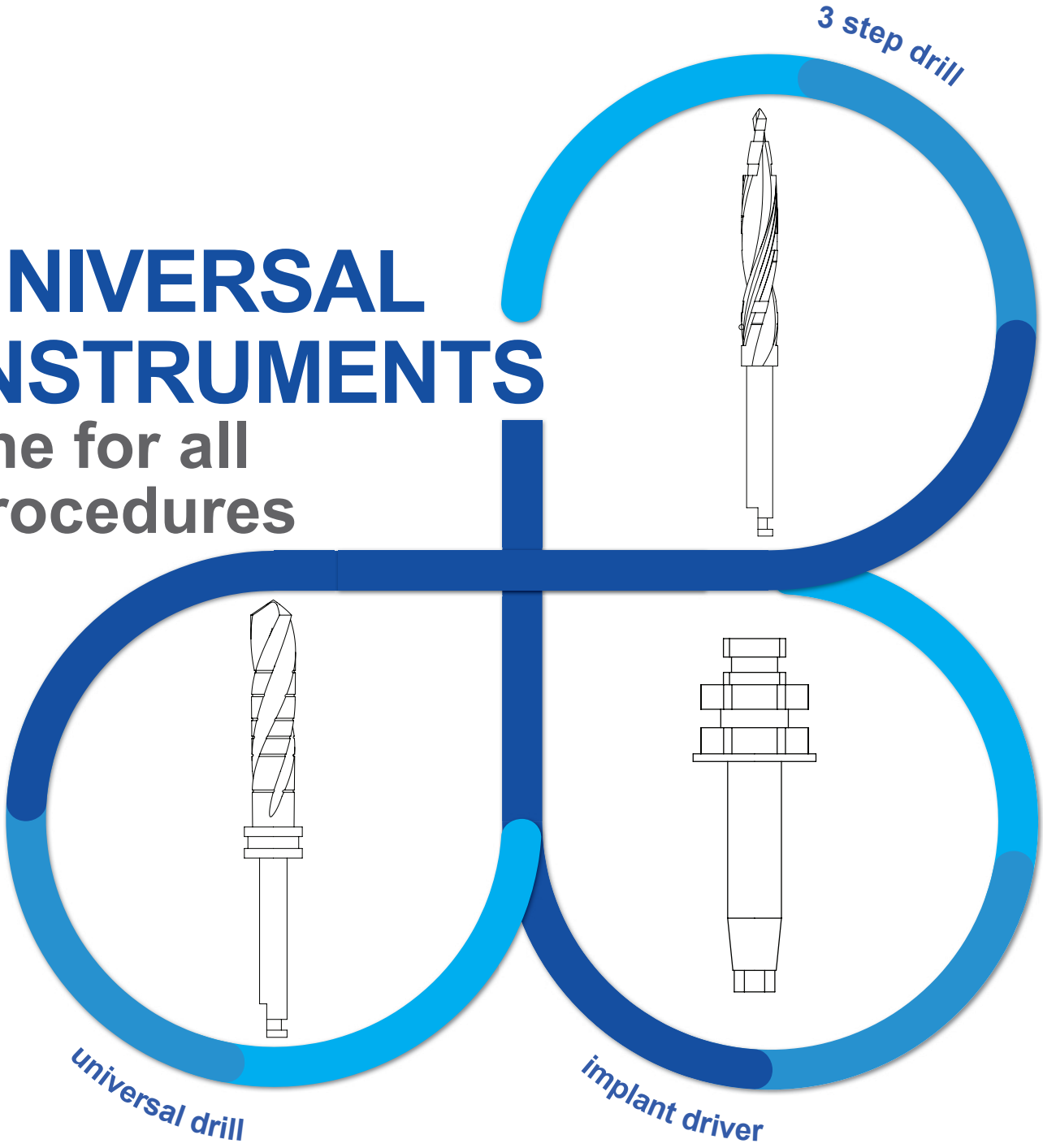
Cat No.	BIO-X2307	BIO-X2310	BIO-X2315
height	7.0 mm	10.0 mm	15.0 mm

Conical Abutment Remover

Cat No.	BIO-HCRA
height	7.0 mm

UNIVERSAL INSTRUMENTS

line for all procedures



Drills

BioLine®
Dental Implants Series

Countersink

Cat No.	BIO-D1034	BIO-D1056
Diameter	⌀ 3.80-4.20 mm	⌀ 5.00-6.00 mm

Marking

Cat No.	BIO-D3410

Extension

Cat No.	BIO-D3412

Standard 16 mm

Cat No.	BIO-D1220	BIO-D1225	BIO-D1228	BIO-D1232	BIO-D1236	BIO-D1242	BIO-D1252
Diameter	⌀ 2.00 mm	⌀ 2.50 mm	⌀ 2.8 mm	⌀ 3.2 mm	⌀ 3.65 mm	⌀ 4.20 mm	⌀ 5.20 mm

Trephine

Cat No.	BIO-D2020	BIO-D2030	BIO-D2040	BIO-D2050
Diameter	⌀ 2.00-3.00 mm	⌀ 3.00-4.00 mm	⌀ 4.00-5.00 mm	⌀ 5.00-6.00 mm

3 Level

Cat No.	BIO-TDL11	BIO-TDL18
Length	11.50 mm	18.00 mm

Tools

Rachet

| Cat No. | BIO-X1020 |

Torque Rachet

| Cat No. | BIO-X1021 |

Surgical Screw Driver Hex 6.35 mm

| Cat No. | BIO-X1023 |

Surgical Screw Driver Hex 2.42 mm

| Cat No. | BIO-X1022 |

Depth Probe

| Cat No. | BIO-X1025 |

Drivers

BioLine®
Dental Implants Series

Driver Hex 1.25 mm

Cat No.	BIO-X2107	BIO-X1210	BIO-X1215
length	7.0 mm	10.0 mm	15.0 mm

Driver Hex 2.42 mm

Cat No.	BIO-X2407	BIO-X2410	BIO-X2415	BIO-X2423
length	7.0 mm	10.0 mm	15.0 mwm	23 mm

Driver Hex 2.42 mm Front Ring

Cat No.	BIO-X2607	BIO-X2610	BIO-X2615
length	7.0 mm	10.0 mm	15.0 mm

Slim Hex Driver 2.1 mm *for 2.9 mm implant

Cat No.	BIO-X2807	BIO-X2810	BIO-X2815
length	7.0 mm	10.0 mm	15.0 mm

Driver Hex 1.25 mm long

Cat No.	BIO-X1006
length	15.0 mm

Driver Hex 1.25 mm short

Cat No.	BIO-X1007
length	7.0 mm

BioLine®
Dental Implants Series

Starter kit

Starter Surgical Kit Contain:

Rachet 6.35 hex	BIO-X1020
Drill extender	BIO-D3412
marking drill	BIO-D3410
2 pilot drill	BIO-D1220
2.8 drill	BIO D1228
3.2 drill	BIO D1232
3.65 drill	BIO-D1236
4.2 drill	BIO-D1242
5.2 drill	BIO-D1252
1.25mm hex prosthetic's driver	BIO-X1210
2.42 mm hex implant driver	BIO-X2610

Safe kit

BioLine®
Dental Implants Series

The Integral Stopper Drills Kit assures accurate depth control. The Kit is designed for each Implant Diameter and Length. Simplify drilling procedure!

Safe drills surgical kit contain:

stopper drill	⌀ 2.0 L6	stopper drill	⌀ 3.65 L6
stopper drill	⌀ 2.0 L8	stopper drill	⌀ 3.65 L8
stopper drill	⌀ 2.0 L10	stopper drill	⌀ 3.65 L10
stopper drill	⌀ 2.0 L11.5	stopper drill	⌀ 3.65 L11.5
stopper drill	⌀ 2.0 L13	stopper drill	⌀ 3.65 L13
stopper drill	⌀ 2.8 L6	stopper drill	⌀ 4.2 L6
stopper drill	⌀ 2.8 L8	stopper drill	⌀ 4.2 L8
stopper drill	⌀ 2.8 L10	stopper drill	⌀ 4.2 L10
stopper drill	⌀ 2.8 L11.5	stopper drill	⌀ 4.2 L11.5
stopper drill	⌀ 2.8 L13	stopper drill	⌀ 4.2 L13
stopper drill	⌀ 3.2 L6	stopper drill	⌀ 5.2L6
stopper drill	⌀ 3.2 L8	stopper drill	⌀ 5.2 L8
stopper drill	⌀ 3.2 L10	stopper drill	⌀ 5.2 L10
stopper drill	⌀ 3.2 L11.5	stopper drill	⌀ 5.2 L11.5
stopper drill	⌀ 3.2 L13	stopper drill	⌀ 5.2 L13

BioLine®
Dental Implants Series

Professional kit

Professional Surgical Kit Contain:

Torque rachet 6.35 hex	BIO-X1021	Implant motor mount 2.42 hex short	BIO-X1015
Depth probe till 16mm length	BIO-X1025	Implant motor mount 2.42 hex long	BIO-X1014
Marking drill	BIO-D3410	Prosthetics motor mount 1.25 hex	BIO-X1008
2 pilot drill	BIO-D1220	Prosthetics driver 1.25 hex short	BIO-X1207
2.5 drill	BIO-D1225	Prosthetics driver 1.25 hex long	BIO-X1215
2.8 drill	BIO-D1228	Implant driver 2.42 hex short	BIO-X2607
3.2 drill	BIO-D1232	Implant driver 2.42 hex long	BIO-X2615
3.65 drill	BIO-D1236	Slim implant driver 2.1 hex regular	BIO-X2810
4.2 drill	BIO-D1242	Conical implant driver regular	BIO-X2315
5.2 drill	BIO-D1252	X2 parallel pin short	BIO-X1028
3.75-4.2 countersink drill	BIO-D1034	X2 parallel pin long	BIO-X1029
5-6 countersink drill	BIO-D1056	One-piece implant driver regular	BIO-OPKEY
Drill extender	BIO-D3142	Prosthetic hand driver long	BIO-X1006
Guided space pin	BIO-GUPI		

Pterygoid kit

BioLine®
Dental Implants Series

Pterygoid surgical kit contain:

Short implant driver 2.42mm hex	BIO-X2607
Medium implant driver 2.42mm hex	BIO-X2610
Long implant driver 2.42mm hex	BIO-X2622
Short prosthetic's driver 1.25mm hex	BIO-X1207
Medium prosthetic's driver 1.25mm hex	BIO-X1210
Long prosthetic's driver 1.25mm hex	BIO-X1215
15 degrees dummy abutment	BIO-A3209
25 degrees dummy abutment	BIO-A3409
35 degrees dummy abutment	BIO-A3509
45 degrees dummy abutment	BIO-A4509
Marking drill sharp	BIO-D3410
Pterygoid drill 2 step 1.2-2.0	BIO-PTDRILL1520
Pterygoid drill 2 step 2.5-2.8	BIO-PTDRILL2528
Pterygoid drill 2 step 3.2-3.65	BIO-PTDRILL3236
Surgical screw long driver	BIO-X1023
Pterygoid depth probe 25mm	BIO-PTR01

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Zygomatic kit

Zygomatic surgical kit contain:

Marking drill sharp	BIO-D3410
Zygoma drill 3 step long 2-2.5-3mm	BIO-ZIGDRILL2253/L
Zygoma drill 3 step long 2-2.5-3mm for 3.75mm implant	BIO-ZIGDRILL2253/L
Zygoma drill 2 step long 2.8-3.2mm	BIO-ZIGDRILL2832/L
Zygoma drill long 3.2mm	BIO-ZIGDRILL32/L
Zygoma drill 3 step short 2-2.5-3mm	BIO-ZIGDRILL2253/S
Zygoma drill 3 step short 2-2.5-3mm for 3.75mm implant	BIO-ZIGDRILL2253/S
Zygoma drill 2 step short 2.8-3.2mm	BIO-ZIGDRILL2832/S
Zygoma drill short 3.2mm	BIO-ZIGDRILL32/S
Diamond bur fine	BIO-DBF
Diamond bur medium	BIO-DBM
Diamond bur coarse	BIO-DBC
Surgical screw driver for 2.42mm hex	BIO-X1022
Surgical screw driver for 6.35mm hex	BIO-X1023
Zygoma depth probe 60mm	BIO-SPR01

Implant Motor

BioLine®
Dental Implants Series

The new generation of power and control

On Request:
AVAILABLE WITH ATS 20:1 CONTRA ANGLE

P «Programs»
Scrolls through the programs
Choice of 5 programs settings
Changed program automatically stored even after switching off -

Speed
Sets the rpm. Motor speeds from 20 to 1500 rpm with 20:1 contra-angle

Torque
Changes the torque according to the reduction ratio

Flow
3 different flow rates are offered (Min-Med-Max (Max.= 100ml/min)

Gear Ratio
Sets the reduction of the contra-angle
Options: 1:1 – 16:1 – 20:1 – 24:1 – 32:1 – 64:1 – 80:1

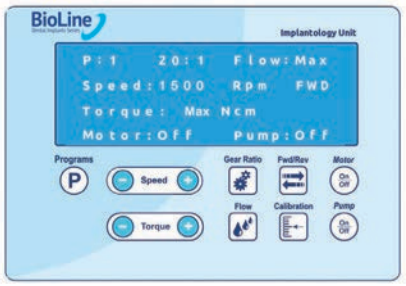
Calibration
Compensates for loss of torque caused by the contra-angle

FWD/REV
Switches between forward and reverse drive
Acoustic signal when reverse drive is activated

Motor on/off
Activate/Deactivate the Motor

Pump on/off
Activate/Deactivate the Pump

- Brushless Micromotor
- Electronic Calibration of ContraAngle
- Available with 3 different Pedal
- Built to Last
- User Friendly
- Torque: 51 Ncm
- 30000 RPM



omega implant is a complete system, specialty developed under consideration of all the needs in implantology and surgery: powerful performance and precise functionality. see for yourself!
complete, powerful and precise!
powerandaccurate
omega implant is a small babletop unit for implantology that combines the power of a brushless motor with a user friendly. all necessary treatment stages of implantology can be carried out safely and precisely using just one contra-angle 20:1.
omega implants is equipped with contra-angle calibration: the precision of the motor is adapted to the contra-angle connected.
omega implant also delivers the higheststandards of ergonomics and flexibility. the motor torque is 50 ncm and the motor speed range is 400 - 30,000 rpm (20-1500 with 20: contra-angle).

Implant Motor with integrated coolant pump easy and uncomplicated to use Brushless motor

AVAILABLE WITH 3 DIFFERENT FOOT CONTROL

«DeLuxe»Multifunction Foot Control
Programs switching - Activation and Deactivation of the coolant pump - Clockwise / Anticlockwise rotation - ON/OFF function. The reostatic effect is ensured by means of a **specialized «pressure sensor».** There are NO mechanical or moving parts.

«Standard»Multifunction Foot Control
Programs switching - Activation and Deactivation of the coolant pump - Clockwise / Anticlockwise rotation - ON/OFF function. with **«ERC» (Electronic Reostatic Effect)**

«Easy» Foot Control
ON/OFF button with
«ERC» (Electronic Reostatic Effect)

Advanced Irrigation Pump

Easy set up of irragation tubes - Very ergonomic opening and closing system - Better control of irrigation flow with very constant flow rate - Stable and quiet operations
3 Flow Rates available: MIN - MED - MAX

Model	Code	Description
OMEGA IMPLANT	OMG300E/S/DL	Implantology Unit: - Electronic Control Console - Not Autoclavable Brushless Micromotor - «Easy» - «Standard» - DeLuxe» Foot Control - Solution Holder - Motor Holder - 1 Tube

BioLine®
Dental Implants Series

Intraoral scanner

Open System

output STL file, compatible with 3rd party software. portable design with suitcase. customized PTY format for both clinics and labs.

Application

- orthodontics
- implantation
- prosthodontics
- cosmetic

- High Speed
- Easy to handle and Operate
- True Color
- Applicable for implant& orthodontic
- Powder-free
- High Accuracy
- Replaceable Header
- Automatic Preparation Evaluation

Parameters

scanheader (L*W*H)[1]	110 mm*19mm*17mm	interface	US3.0
size (L*W*H)	221mm*54mm*17mm	weight	350 g
scanning speed	<3 min	data format	stl, ply, pty[2]
scanning depth	0~15mm	accuracy	15 μm
window size	17mmx20mm	power	adaptor ac 100v~240v
cable length	1.5m	operating environment	o°c~50°c rh<80%
		storage environment	-10°c~65°c rh<90%

Digital components

BioLine®
Dental Implants Series

one digital abutment + t base + scan body

Cat No.	BIO-IS-05	BIO-IS-15	BIO-IS-25
Height	0.5 mm	1.5 mm	2.5 mm

t base with hex

Cat No.	BIO-TBH
Height	5.0 mm

t base non hex

Cat No.	BIO-TBN
Height	5.0 mm

conical t base

Cat No.	BIO-CTB
Height	5.0 mm

BioLine®
Dental Implants Series

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