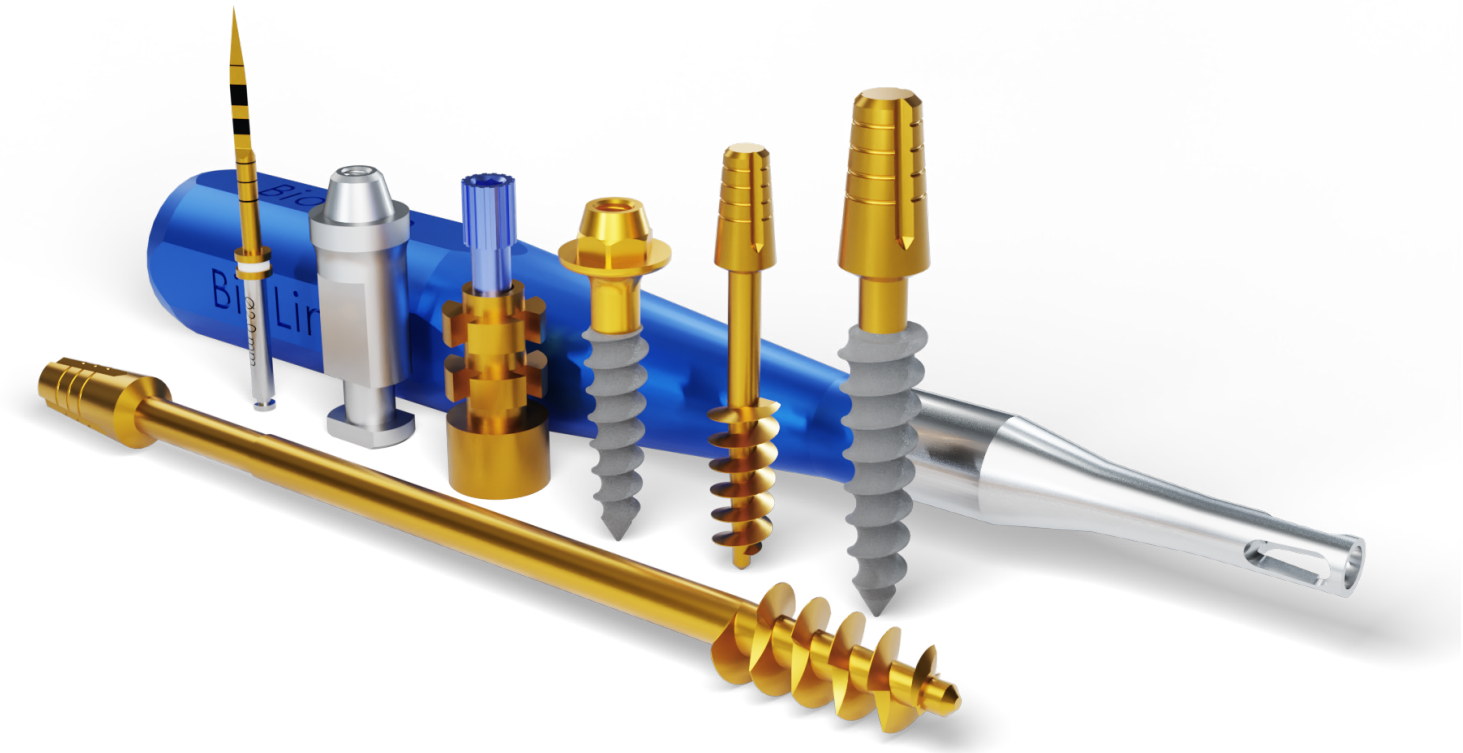
Single Piece Implant System
Product Catalog

BioLine®
Dental Implants Series



THE ART OF SIMPLICITY

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warning: only a licensed dentist should use these products.

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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 Deparment

BioLine®
Dental Implants Series

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.

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.

ISO 13485-2016

CE nr.0476

CENTRAL DRUGS STANDARD CONTROL ORGANISATION CDSCO CDSCO MINISTRY OF HEALTH,GOVERNMENT OF INDIA

CERTIFIED STAUNCHLY MANAGEMENT SYSTEM

WARRANTY 100% LIFETIME WARRANTY

Drilling Protocol

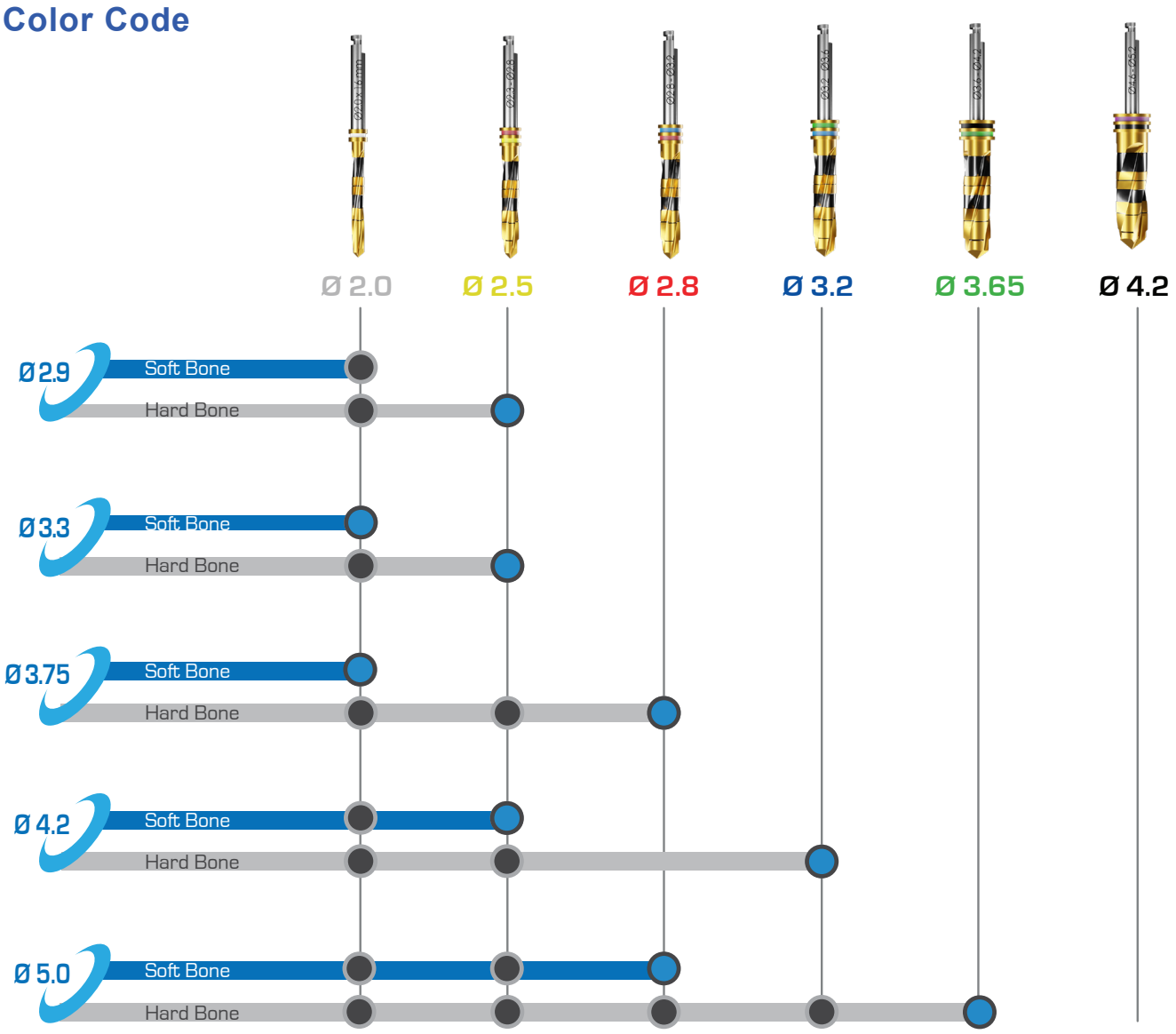
BioLine®
Dental Implants Series

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



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.

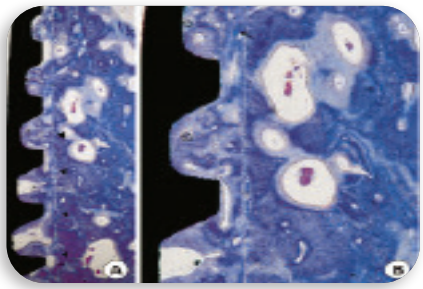
Conventional abrasive blasting techniques that utilize alumina or silicon carbide always leave residual abrasive as a Contaminant embedded in the implant surface.

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

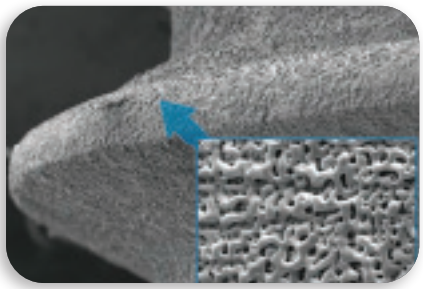
The reference literature below links to research studies Which discuss Sandblasted And Acid Etched (SLA) surface treated implants– specifically with the use of Bioline's Biofix Apatitic Abrasive.

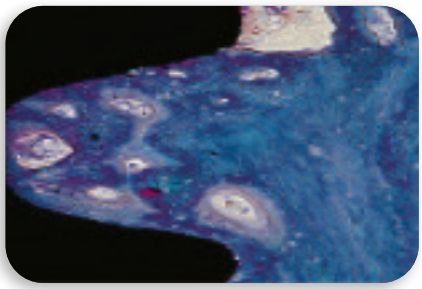
Our guiding line in Biofix formula is to avoid possible metal contamination's cussed by remains of abrasive materials sprayed on the titanium implant during surface treatment creation.

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

BioLine Single piece implant series,
A Perfect Solution to Add on Your Implant Practice!

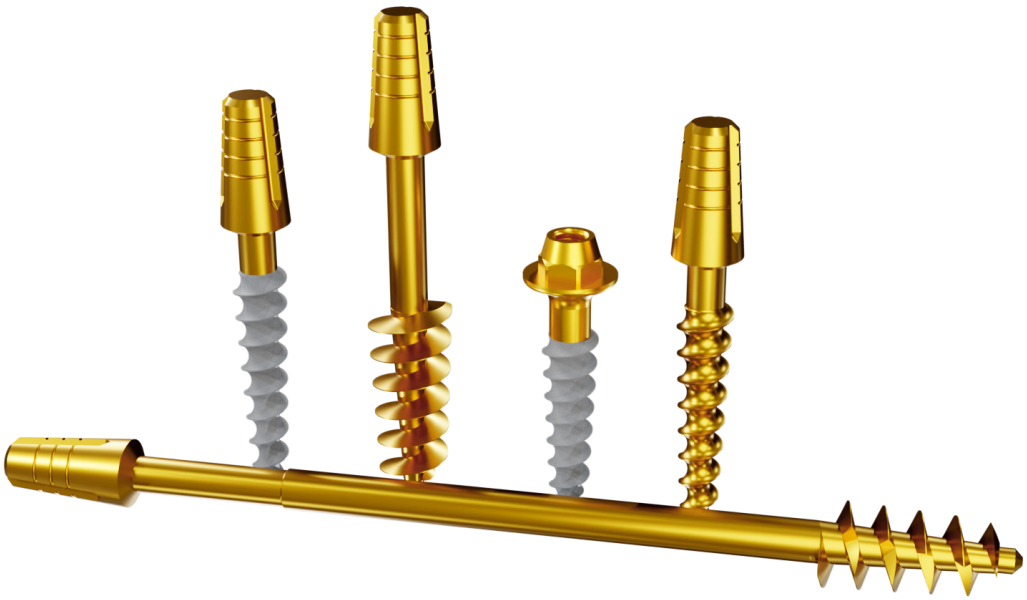
What is a single piece implant?

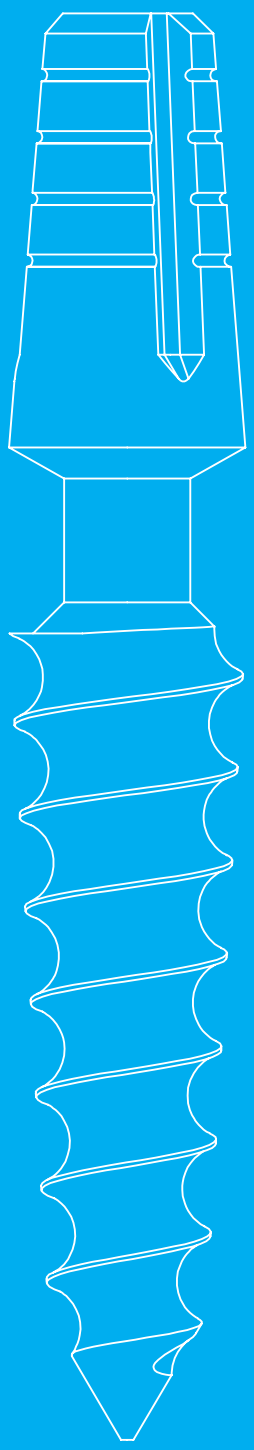
Single piece implant – as his name is a single piece solid designed implant with a build in abutment on top

The use of single piece implants:
Today in the modern implantology filed, things are getting changed quickly and the demands of the patients increased compare to the last years, especially treatment time period wise, they are not willing to wait for long time as before
Single piece implant system brings to the table first of all simplicity
Active sharp threaded implants along with build in abutment allow us to get great initial stability while placing it, that's leads for immediate loading possibility, and thanks to the solid build in abutment easy to achieve that, and to complete the same case in the same appointment or within 3 days

Single piece implants advantages':
No connection – solid strong neck & abutment
Bendable neck for perfect angulation compensation & parallelism
Aggressive design for better primary stability
Wide range of designs, diameters, and lengths
Surface treatment options – to fit in any bone condition
Key hole flapless procedure, time and pain saving

BioLine single piece implant series has been designed dedicatedly to suit in extreme challenges cases , and to provide strong and stable life time solution!



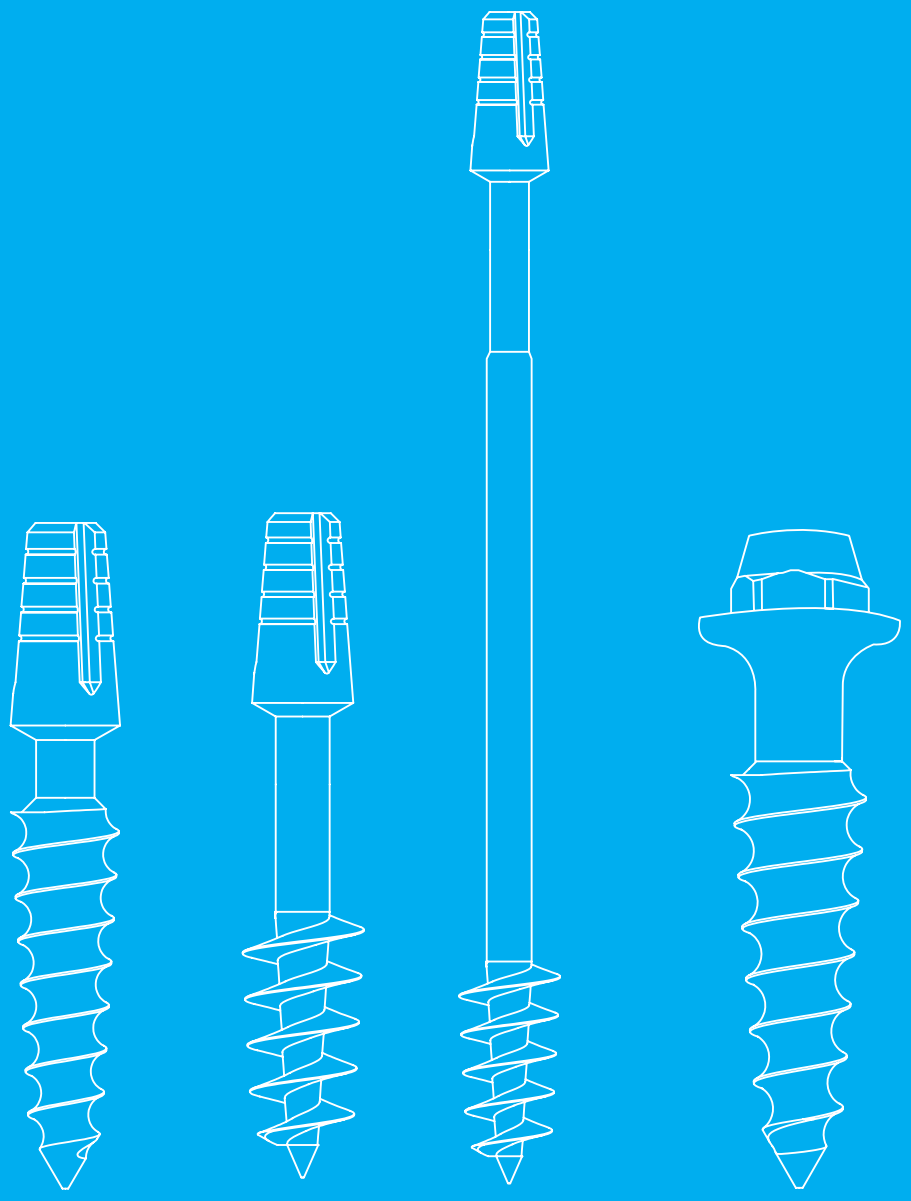


SINGLE PIECE IMPLANT SYSTEM

Single piece implants advantage's:

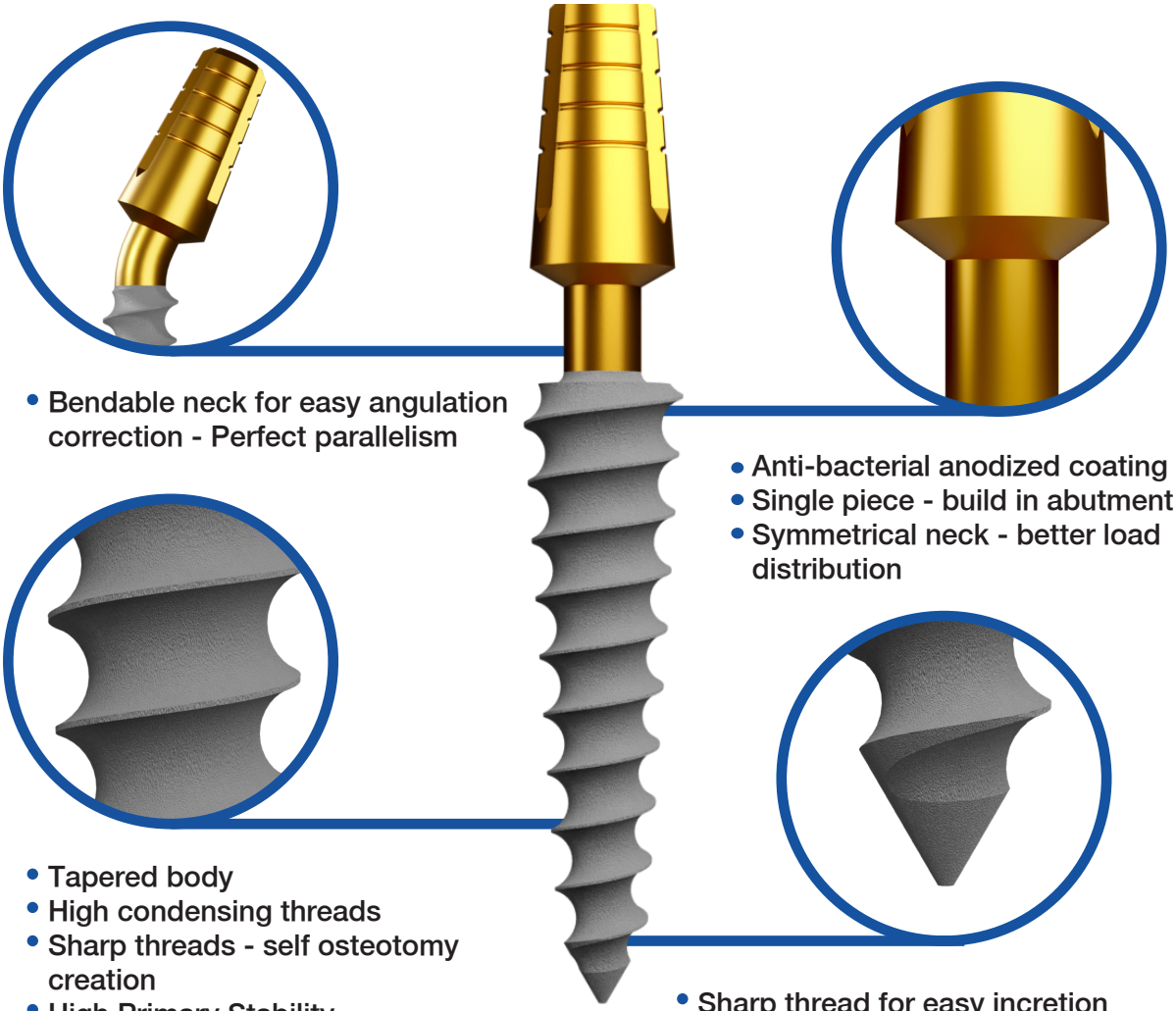
- No connection – solid strong neck & abutment
- Bendable neck for perfect angulation compensation & parallelism
- Aggressive design for better primary stability
- Wide range of designs, diameters, and lengths
- Surface treatment options – to fit in any bone condition
- Key hole flapless procedure, time and pain saving

NEW ERA OF MODERN IMPLANT DENTISTRY !



COMPRESSIVE BASAL ZYGOMATIC COMPRESSIVE MULTI UNIT

Compressive



- Bendable neck for easy angulation correction - Perfect parallelism

- 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

SURFACE TREATMENT OPTIONS

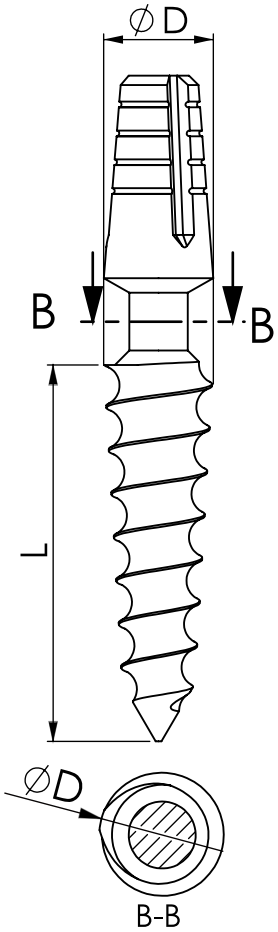
IMPLANT PACKAGE

Compressive Smooth Implant

Indication- the perfect choice for trans sinus implant placements , to fasten the sinus healing , avoid inflammation , and achieve perfect Anchorage as well as for any rescue cases when rough surface implants has been failed and the chances of infection & inflammation are high
Ordering information- add S to the code mentioned at the table below

Bendable

BioLine®
Dental Implants Series



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	20	BIO-CC3020
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	13	BIO-CC3313
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	20	BIO-CC3320
	22	BIO-CC3322
	25	BIO-CC3325
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	20	BIO-CC3720
	22	BIO-CC3722
	25	BIO-CC3725
4.2	8	BIO-CC4208
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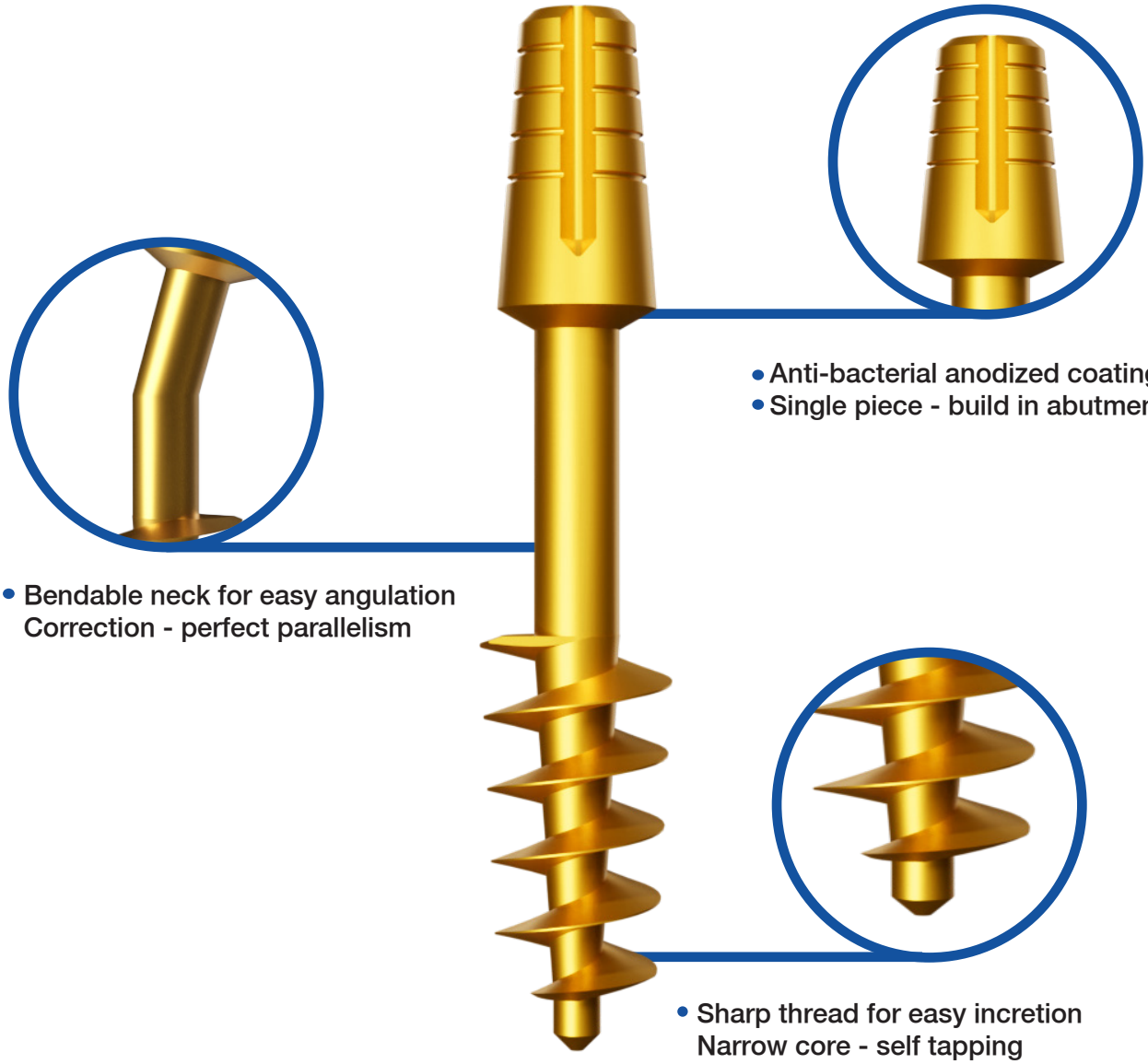
	10	BIO-CC5010
	11.5	BIO-CC5011
	13	BIO-CC5013
	16	BIO-CC5016
	18	BIO-CC5018
	20	BIO-CC5020

BioLine Compressive implant, is a single piece implant in structure, contain the implant with a build in abutment, and narrow neck which can be bended.
The design of BioLine compressive implant, as its name is compressive, ment to compress and condense the natural native bone due under drilling Protocol, and to preserve the bone.
The compressive implant series available in wide range of different diameters and lenghs, starts at 3.0mm dia which is very narrow and very suitable for narrow ridges and single teeth replacement in the esthetic smile zone, and reached till 6.0 mm diameterwhich can suit even for molar replacement.
Due the active design and the single piece structure, BioLine Compressive implant is highly recommended for “immediate placement & loading Techniques”

BioLine
Dental Implants Series

BC



- Anti-bacterial anodized coating
- Single piece - build in abutment

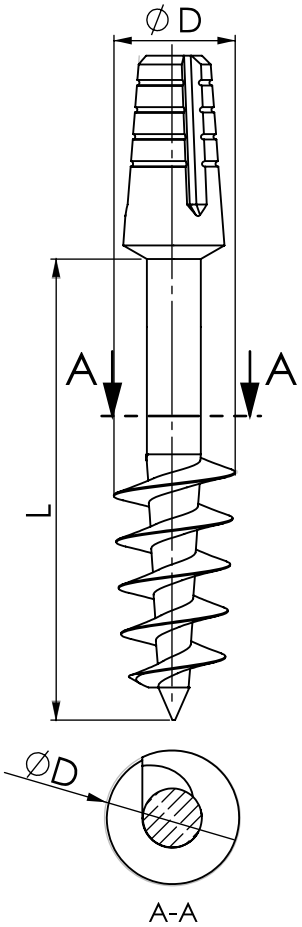
- Bendable neck for easy angulation Correction - perfect parallelism

- Sharp thread for easy incretion Narrow core - self tapping
- Prevent damage to the
- Anatomical Structures

IMPLANT PACKAGE

Basal Cementable

BioLine®
Dental Implants Series



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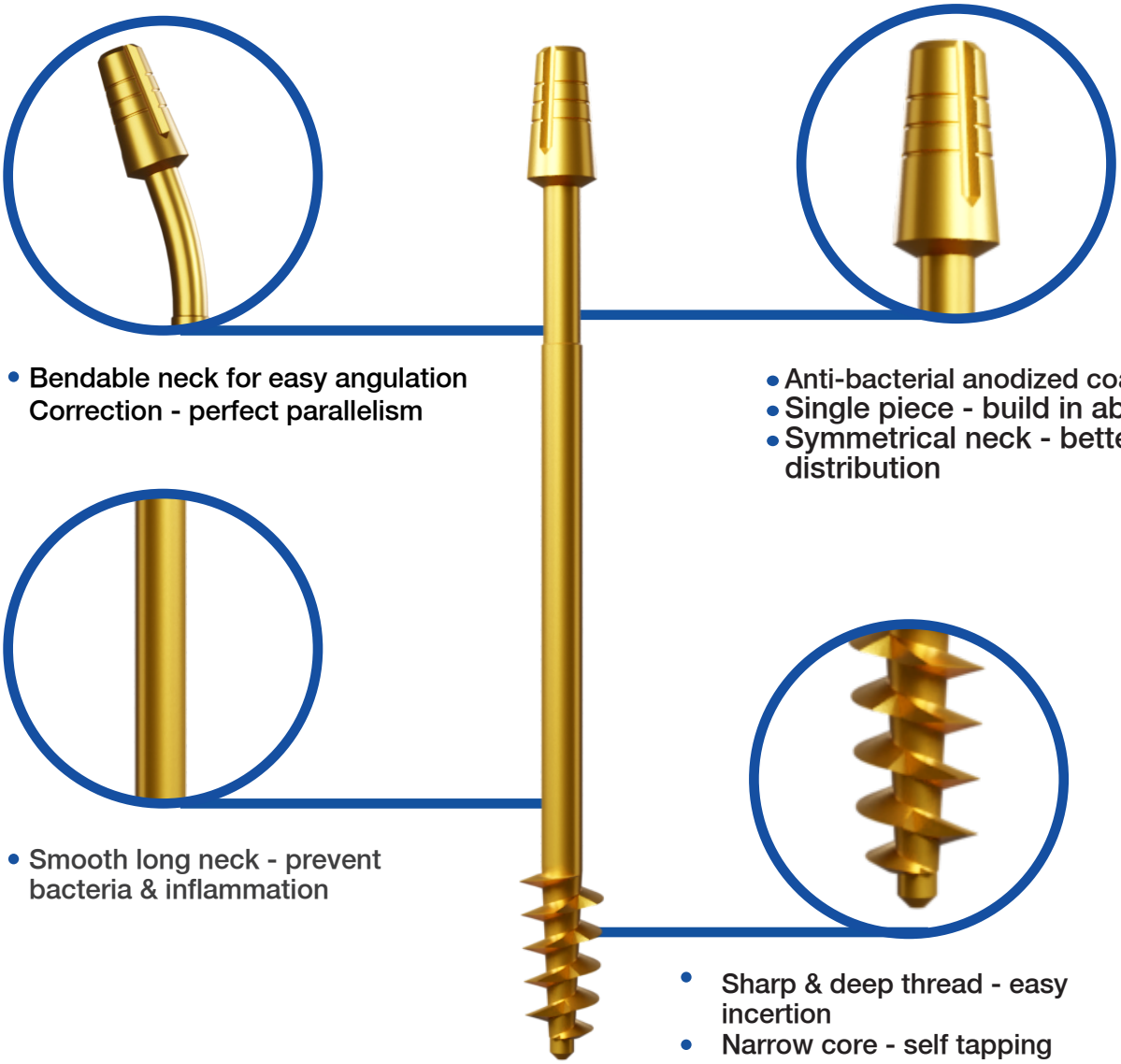
5.5	10	BIO-BC5510
	12	BIO-BC5512
	14	BIO-BC5514
	17	BIO-BC5517

BioLine Basal implant, is a single piece implant in structure, contain the implant with a build in abutment, and narrow neck which can be bended The BioLine Basal implant, as its name is Basal, ment to get bicortical anchorage to the basal bone with great stability, and to follow immediate loading protocol even in extreme atrophic ridges The Basal implant series available in wide range of different diameters and Lenghs, starts at 3.6 mm dia which is narrow and very suitable for narrow ridges and single teeth replacement in the esthetic smile zone, and reached till 5.5 mm diameter which can suit even for molar replacement Due the active design and the single piece structure, BioLine Basal implant is highly recommended for "immediate placement & loading Techniques

BioLine Dental Implants Series

ZYG

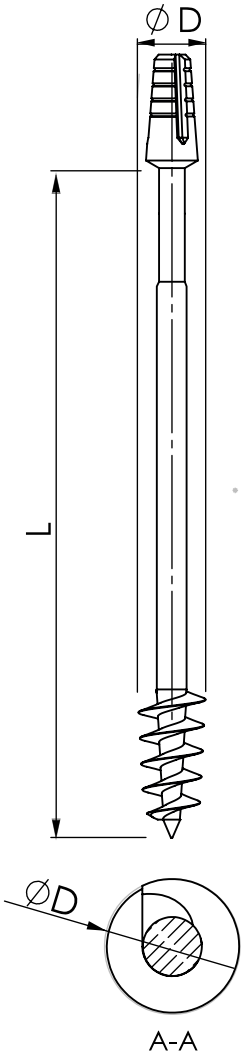


- Bendable neck for easy angulation Correction - perfect parallelism
- Anti-bacterial anodized coating
- Single piece - build in abutment
- Symmetrical neck - better load distribution
- Smooth long neck - prevent bacteria & inflammation
- Sharp & deep thread - easy incertion
- Narrow core - self tapping

IMPLANT PACKAGE

Zygomatic Cementable

BioLine®
Dental Implants Series



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	42	BIO-BC4642
	45	BIO-BC4645
	47	BIO-BC4647
	50	BIO-BC4650
	52	BIO-BC4652
	55	BIO-BC4655

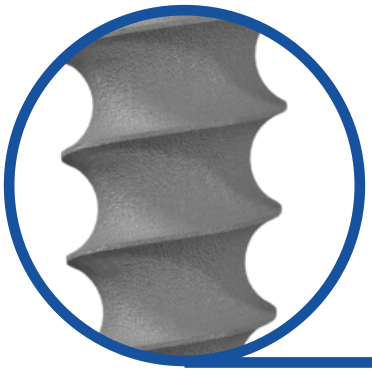
Zygomatic implants are an evidence based surgical and prosthetic solution for both two stage and immediate loading ptotocols today, zygomatic implants are usually placed using an immediate loading protocol. Te main indication for zygomatic implants is severly resorbed edentulous maxilla, but they can also be used in partially edentulous situations indications for zygomatic implant insertion include: alternative for simus 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

BioLine®
Dental Implants Series

Compressive

- Bendable neck for easy angulation Correction - perfect parallelism

- Build in multi unit abutment for screw retained retrievable prosthetics



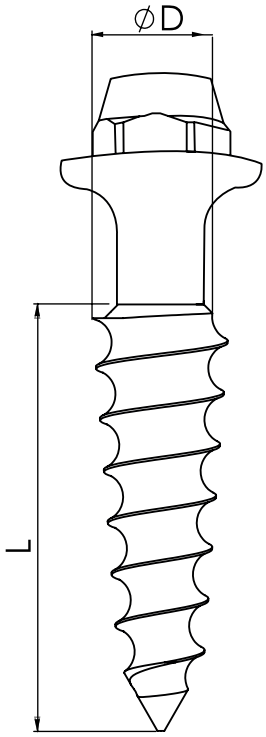
- Tapered body
- High condensing threads
- Sharp threads - self osteotomy creation
- High Primary Stability

- Sharp thread for easy incretion Narrow core - self tapping
- Prevent damage to the
- Anatomical Structures

IMPLANT PACKAGE

Multi Unit

BioLine®
Dental Implants Series



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	13	BIO-CMU5013
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	18	BIO-CMU5018
	20	BIO-CMU5020

BioLine Compressive Multi unit implant, is a single piece implant in structure, contain the implant with a build in multi unit abutment for screw retained implant prosthetics and full mouth rehabilitation .
The design of BioLine compressive implant, as its name is compressive, ment to compress and condense the natural native bone due under drilling Protocol, and to preserve the bone.
The compressive implant series available in wide range of different diameters and lenghs, starts at 3.0mm dia which is very narrow and very suitable for narrow ridges and single teeth replacement in the esthetic smile zone, and reached till 5.0 mm diameter which can suit even for molar replacement.
Due the active design and the single piece structure, BioLine Compressive Multi Unit implant is highly recommended for “immediate placement & loading Techniques”

SURFACE TREATMENT OPTIONS

Compressive Multi Unit Smooth Implant

Indication- the perfect choice for trans sinus implant placements , to fasten the sinus healing , avoid inflammation , and achieve perfect Anchorage as well as for any rescue cases when rough surface implants has been failed and the chances of infection & inflammation are high
Ordering information- add S to the code mentioned at the table below

Prosthetic Options For Multi Unit Implant

Multi-Unit Plastic Castable Sleeve

Cat No. | CMU-MPLD

Multi-Unit Titanium Sleeve

Cat No. | CMU-MUTSDL

Healing Cap For Multi-Unit

Cat No. | CMU-MUHC1

T-Base For Multi Unit Abutment

Cat No. | CMU-DTS-S

Scan Body For Multi Unit Abutment

Cat No. | CMU-SBMU

Open Transfer For Multi-Unit

Cat No. | CMU-MUTRIO

Analog For Multi-Unit

Cat No. | CMU-DAMU

Screw for Angulated Multi-Unit

Included with all types of abutments

Cat No. | CMU-MSC

Prosthetic Options For CC/BC Implants

Analog For CC/BC Implant

Cat No. | BIO-SPA

Transfer For CC/BC Implant

Cat No. | BIO-SPT

Castable Cap For CC/BC Implant

Cat No. | BIO-SPH

BioLine®
Dental Implants Series

Useful & Practicle Instruments & Tools

Drills

MARKING	EXTENSION
Cat No	Cat No
BIO-D3410	BIO-D3412

STEP DRILLS

Diameter Ø(mm)	2mm	2.5mm	2.8mm	3.2mm	3.65mm	4.2mm	5.2mm
Cat No							
	BIO-D1220	BIO-D1225	BIO-D1228	BIO-D1232	BIO-D1236	BIO-D1242	BIO-D1252

CORTICAL DRILLS

Diameter Ø(mm)	2mm	2.5mm	2.8mm	3.2mm
Cat No				
	BIO-CD20	BIO-CD25	BIO-CD28	BIO-CD32

BioLine® Dental Implants Series

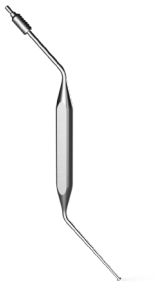
RACHET

Cat No

BIO-X1021

DEPTH PROBE

Cat No



BIO-X1025

SURGICAL SCREW DRIVER FOR CC/BC IMPLANTS

Cat No

BIO-X1036

SURGICAL SCREW DRIVER HEX 6.35

Cat No

BIO-X1023

Drivers

DRIVER HEX 1.25

Length	7mm	10mm	15mm
Cat No	BIO-X1207	BIO-X1210	BIO-X1215

DRIVER FOR CC/BC IMPLANTS

Length	10mm	15mm
Cat No	BIO-SPK10	BIO-SPK15

MOTOR DRIVER FOR CC/BC IMPLANTS

Length	10mm	15mm
Cat No	BIO-SPMK10	BIO-SPMK15

DRIVER HEX 1.25 SHORT

Length	7mm
Cat No	BIO-X1006

DRIVER HEX 1.25 LONG

Length	15mm
Cat No	BIO-X1007

Single Piece Kit

Uniquely designed & fully loaded , the All New BioLine Single Piece Implants Kit contain all required tools in order to successfully place Single Piece Dental Implants in various clinical indications, with a wide range of osteotomy drills , torque ratchet with maximum torque capacity of 70 NC and wide range of motor & ratchet driven implant incretion drivers for the compressive, basal & multi-unit implant system.

The BioLine single piece implants kit is extremely user-friendly and simplifies dental implantology procedures!

Single Piece Kit contain:

Torque ratchet hex 6.35	BIO-X1021
Depth probe till 16mm length	BIO-X1025
Drill extender	BIO-D3142
Ratchet drill extender	BIO-D3414
Motor driver for CC/BC implants short	BIO-SPMK10
Motor driver for CC/BC implants long	BIO-SPMK15
Ratchet driver for CC/BC implants short	BIO-SPK10
Ratchet driver for CC/BC implants long	BIO-SPK15
Ratchet driver for CMU/BMU implants	BIO-X1600
Ratchet driver for CMU/BMU implants bending	CMU-KEY
2.0 mm standard drill	BIO-D1220
2.8 mm standard drill	BIO-D1228
3.2 mm standard drill	BIO-D1232
3.65mm standard drill	BIO-D1236
4.2 mm standard drill	BIO-D1242
2.0 mm cortical drill	BIO-CD20
2.5 mm cortical drill	BIO-CD25
2.8 mm cortical drill	BIO-CD28
3.2 mm cortical drill	BIO-CD32

BioLine®
Dental Implants Series

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