



FINNOVATION MEETS PERFECTION

ABOUT



Asher Ohayon

The art of simplicity, is our guiding line

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

We maximize our experience and innovative technology

We maximize our experience and technology to ensure that our products offer the best highend clinical solution. From the beginning of our activity in 2005, we have been focused on the development, design and manufacture of dental implants with very accurate prosthetic parts. Our state of the art manufacturing facility, which is operational 24/7, includes a dedicated team of designers, clinical consultants, CNC operators, and QA department to ensure the highest possible standards and quality of our products. It 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 Implantologists 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 reduce period of learning for a new Implantologist. Our surgical tool kit is compatible with all products and includes everything from basic surgical tools to advanced instruments needed for maximum efficiency. 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 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.





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.









R & D DEPARTMENT

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.



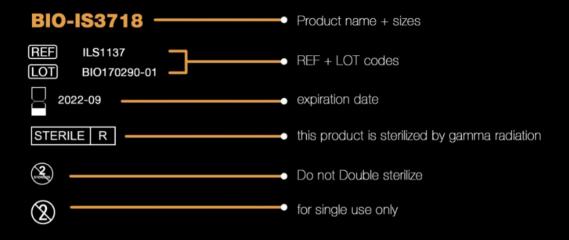






LABELING & PACKAGING

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









BIOFIXTM

Biological Surface Treatment Concept:

The use of a granular, multi-phase calcium Phosphate abrasive such as Apatitic Abrasive has been recognized and Accepted for many years in the dental, orthopedic, and spinal markets. 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. 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 Apatitic Abrasive. Our guiding line in formula is to avoid possible metal contamination's cussed by remains of abrasive materials sprayed on the titanium implant during surface treatment creation.treatment provide the cleanest and most effective result to be monitored for many years to come.

What is Osseointegration?

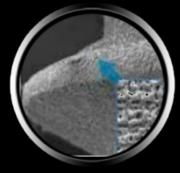
Osseointegration, defined as a direct structural and functional connection between ordered, living bone and the surface of a load-carrying implant, is critical for implant stability, and is considered a prerequisite for implant loading and long-term clinical success of end osseous dental implants. The 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:

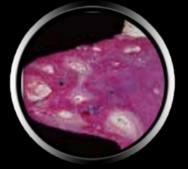
Calcium phosphate(CaP)biomaterials currently in use for bone repair, substitution, augmentation, and regeneration nclude hydroxyapatite of synthetic or biologic origin, beta-tricalcium phosphate (β-TCP) and biphasic calcium phosphate. They are available as granules, porous blocks, CaP/ polymer composites,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



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



Hydroxyapatite coated implant surface



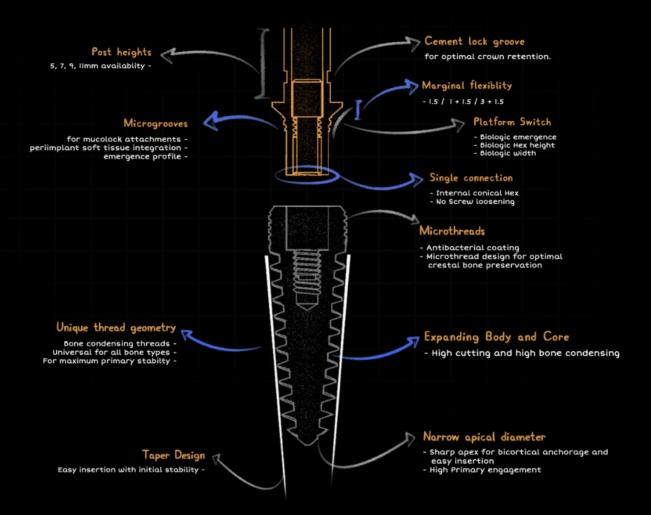
Control group, 8-week healing period (H&E, ×200). Cell-rich bone marrow zone was seen.



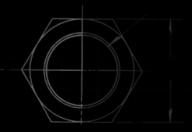








DESIGN CONCEPT



Internal conical Hex



DESIGN FEATURES AND BENEFITS

Threads

Design Features

Unique threads shape -Two micro threads -Variable thread design -



Clinical Advantages / Benefits

- High cutting efficiency Optimal bone condensing
 - Fast insertion -
 - Excellent bone grip
- Greater surface area (BIC),
- profile surface increased by 20%



Apical Area

Design Features

- Narrow apex
- Sharp and deep threads
 - Condensing flutes
- Centering feature and gripping tips
 - Anti-rotational groove for Primary stabilityand high BIC

Clinical Advantages / Benefits

High & firm primary engagement -Easy navigation and penetration -High cutting efficiency -





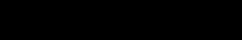
Coronal Area

Design Features:

- Platform switching
- Micro threads
- Cutting flutes
- Internal conical switch

Clinical Advantages / Benefits

- Reduced pressure on cortical part
- Gentle, delicate cutting
- Improved bone preservation
- High initial stability
- Long term and stable esthetic results



Body and Core



Design Features

Implant outer line:

- Straight coronal part
- Slightly tapered body
- Tapered apical part
- Tapered core



Clinical Advantages / Benefits

- Optimal bone condensing
- High primary stability
- Reduced pressure along implant's body



i-SURFACE



INDICATION

Suitable for Conventional Delayed Implantaion, Immediate Implantation, pterygoids, Nerve Bypass, Bicortical engagements Universal Implant design for all the cases D1, D2, D3, D4 Soft bone Maxillary and Mandibular jaws.

* Drilling protocol to be followed.

- DIAMETERS: 3, 3.5, 3.75, 4.2

- LENGTHS: 16, 18, 20, 22, 25

- COLOUR CODE: GREY

IMPLANT DIA./ COLOR CODE (mm)	LENGTH (mm)	CODE
3.0	08 10 11.5 13 16 18 20	BIO-IS3008 BIO-IS3010 BIO-IS3011 BIO-IS3013 BIO-IS3016 BIO-IS3018 BIO-IS3020
	22 25	BIO-IS3022 BIO-IS3025
3.5	08 10 11.5 13 16 18 20	BIO-IS3508 BIO-IS3510 BIO-IS3511 BIO-IS3513 BIO-IS3516 BIO-IS3518 BIO-IS3520
	22 25	BIO-IS3522 BIO-IS3525
3.75	08 10 11.5 13 16 18 20 22	BIO-IS3708 BIO-IS3710 BIO-IS3711 BIO-IS3713 BIO-IS3716 BIO-IS3718 BIO-IS3720 BIO-IS3722
4.2	08 10 11.5 13 16 18 20 22	BIO-IS4208 BIO-IS4210 BIO-IS4211 BIO-IS4213 BIO-IS4216 BIO-IS4218 BIO-IS4220 BIO-IS4222



i-HYBRID



IMPLANT DIA./ COLOR CODE (mm)	LENGTH (mm)	CODE
	16	BIO-IH3016
	18	BIO-IH3018
3.0	20	BIO-IH3020
	22	BIO-IH3022
	25	BIO-IH3025
	16	BIO-IH3516
3.5	18	BIO-IH3518
	20	BIO-IH3520
	22	BIO-IH3522
	25	BIO-IH3525
	16	BIO-IH3716
3.75	18	BIO-IH3718
0.70	20	BIO-IH3720
	22	BIO-IH3722
	25	BIO-IH3725
	16	BIO-IH4216
4.2	18	BIO-IH4218
	20	BIO-IH4220
	22	BIO-IH4222
	25	BIO-IH4225

INDICATION

- Designed to achieve a perfect anchorage in Pterygoid bone.

- DIAMETER: 3, 3.5, 3.75, 4.2

- LENGTHS: 16,18,20,22,25

- COLOUR CODE: TEAL GREEN



i-GOLD



IMPLANT DIA./ COLOR CODE (mm)	LENGTH (mm)	CODE
	16	BIO-IG3516
3.5	18	BIO-IG3518
3.0	20	BIO-IG3520
	22	BIO-IG3522
	25	BIO-IG3525
	16	BIO-IG3716
3.75	18	BIO-IG3718
3.75	20	BIO-IG3720
	22	BIO-IG3722
	25	BIO-IG3725
	16	BIO-IG4216
4.2	18	BIO-IG4218
	20	BIO-IG4220
	22	BIO-IG4222
	25	BIO-IG4225

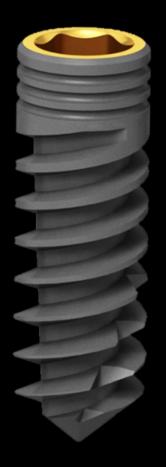
Indications

 Trans-sinus to achieve a perfect anchorage..

- DIAMETER: 3.5, 3.75, 4.2 - LENGTHS: 16,18,20,22,25 - COLOUR CODE: GOLD



i-DENSE



IMPLANT DIA./ COLOR CODE (mm)	LENGTH (mm)	CODE
	06	IDW3706
3.75	08	IDW3708
3.75	10	IDW3710
	11.5	IDW3711
	13	IDW3713
	06	IDW4206
4.2	08	IDW4208
	10	IDW4210
	11.5	IDW4211
	13	IDW4213
	06	IDW5006
5.0	08	IDW5008
	10	IDW5010
	11.5	IDW5011
	13	IDW5013
	06	IDW6006
6.0	08	IDW6008
	10	IDW6010
	11.5	IDW6011
	13	IDW6013

INDICATION

- Conventional axial implant placement Graft solutions (sinus lifts and augmentation)
- DIAMETER: 3.75, 4.2, 5, 6
- LENGTHS: 6, 8, 10, 11.5, 13
- COLOUR CODE: LIME GREEN



IABUTMENT DESIGN





Design Features:

- intraoral scannable acts like Ti-base
- screw retention & cementation compatible
- adjunct impression cap healing collar
- Post heights :- 5/7/9/11mm



Design Features:

- Cement lock groove



Design Features:

- Marginal flexibility 1.5/ 1+1.5 / 3+1.5
- Antibacterial finish line



Design Features:

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



MUCOLOCK CONNECTION

Microgrooves

for mucolock attachments periimplant soft tissue integration emergence profile -

Marginal flexiblity - 1.5 / 1 + 1.5 / 3 + 1.5

> Platform Switch

- Biologic emergence
- Biologic Hex height - Biologic width

Single connection

- Internal conical Hex
- No Screw loosening

Design Features:

Internal conical switch platform switch microgrooves optimal stabilty



CEMENT RETAINED ABUTMENTS

REGULAR PLATFORM

PRODUCT	ANGLE	HEIGHT (mm)	CODE/ COLOR CODE
Straight Smooth abutment	0°	11	BIO-A6011
Straight Abutment Wide	0°	11	BIO-A5602
Standard abutment Straight	0°	09	BIO-A5909
Standard abutment Straight	0°	11	BIO-A5911
Slim abutment Straight	0°	09	BIO-A5909-S
Slim abutment Straight	O°	11	BIO-A5911-S
Standard Angulated Abutment	15°	09	BIO-A53209
Standard Angulated Abutment	15°	11	BIO-A3211
Standard Angulated Abutment	25°	09	BIO-A3409
Standard Angulated Abutment	25°	11	BIO-A3411
Standard Angulated Abutment	35°	09	BIO-A3509
Standard Angulated Abutment	35°	11	BIO-A3511
Standard Angulated Abutment	45°	09	BIO-A4509
Standard Angulated Abutment	45°	11	BIO-A4511
Slim Angulated Abutment	15-45°	09	BIO-AXX09-S
Slim Angulated Abutment	15-45°	11	BIO-AXX11-S



REGULAR CEMENT RETAINED ABUTMENT



ANGLE	HEIGHT (mm)	CODE/ COLOR CODE
O°	11	BIO-A6011
O°	09	BIO-A5602





O°	09 11	BIO-A5909 BIO-A5911
15°	09	BIO-A3209
15°	11	BIO-A3211
25°	09	BIO-A3409
25°	11	BIO-A3411
35°	09	BIO-A3509
45°	09	BIO-A4509





CEMENT RETAINED ABUTMENTS

PLATFORM SWITCHED ANGULATED

PRODUCT	ANGLE	HEIGHT (mm)	CODE/ COLOR CODE
i-Abutment Angulated	15°	1+1.5+11	BIO-iA1501 BIO-iA1503
i-Abutment Angulated	25° 25°	1+1.5+11	BIO-iA2501 BIO-iA2503
i-Abutment Angulated i-Abutment Angulated	35° 35°	1+1.5+11 1+3.0+11	BIO-iA3501 BIO-iA3503
i-Abutment Angulated	45° 45°	1+1.5+11	BIO-iA4501 BIO-iA4503
i-Abutment Angulated i-Abutment Angulated	15° 15°	09 11	DCC-A3209 DCC-A3211
i-Abutment Angulated i-Abutment Angulated	25° 25°	09 11	DCC-A3409 DCC-A3411



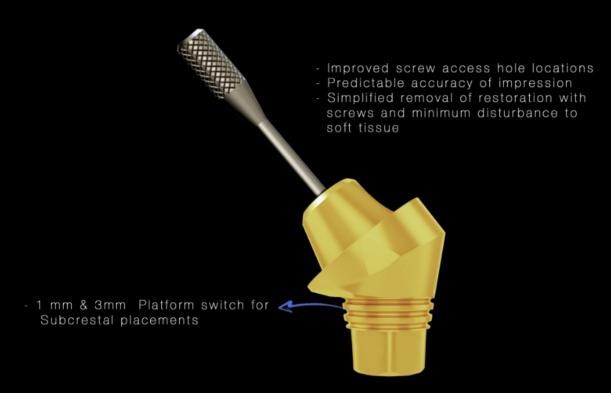
CEMENT RETAINED ABUTMENTS

PLATFORM SWITCHED STRAIGHT

PRODUCT	ANGLE	HEIGHT (mm)	CODE/ COLOR CODE
i-Abutment Straight	O°	1+1.5+11	BIO-iS01
i-Abutment Straight	0°	1+3.0+11	BIO-iS03
Straight Abutment PS Straight Abutment PS	0°	09 11	BIO-CCA5909 BIO-CCA5911
Straight Wide Abutment PS	O°	09	DCC-A5909



IMULTIUNIT DESIGN



Design Features:

- Unique hex design multi-lock
- non-micro movement optimal stabilisation
- Platform switching screw retained solution
- Special angle support from 9°,18°,30°,40°,50° which enables restorations on non parallel implants by correcting extreme angles.



SCREW RETAINED ABUTMENTS

REGULAR PLATFORM

PRODUCT	ANGLE	CODE/ COLOR CODE	
Multiunit Abutment	09°	BIO-MU09	
Multiunit Abutment	18°	BIO-MU18	
Multiunit Abutment	30°	BIO-MU30	
Multiunit Abutment	40°	BIO-MU40	
Multiunit Abutment	50°	BIO-MU50	
Multiunit Premium Kit	9°,18°,30°, 40°50°	BIO-MUXX-P	



SCREW RETAINED ABUTMENTS

CODE/

PLATFORM SWITCHED

1

PRODUCT	ANGLE	COLOR CODE
i-Multiunit Abutment PS	09°	BIO-MU09PS
i-Multiunit Abutment PS	18°	BIO-MU18PS
i-Multiunit Abutment PS	30°	BIO-MU30PS
i-Multiunit Abutment PS	40°	BIO-MU40PS
i-Multiunit Abutment PS	50°	BIO-MU50PS









SCREW RETAINED PROSTHETIC COMPONENTS

Multiunit prosthetic components are similar for Regular and Platform Switched screw retained abutments

PRODUCT	CODE/ COLOR CODE	
MU impression coping/ Transfer	BIO-MUTRIO	
MU Ti- Sleeve	BIO-MUTSDL	
MU P-Sleeve	BIO-MPLD	
MU Healing Cap	BIO-MUHC1	
MU Analog	BIO-MUANAD	
MU Prosthetic Screw	BIO-MOSC1	



DRILLS

PRODUCT	HEX DIA.	HEIGHT (mm)	CODE
Marking Drill	1.25	07	BIO-D3410
Standard Drill-1	2.0	16	BIO-D1220
Standard Drill-2	2.5	16	BIO-D1225
Standard Drill-3	2.8	16	BIO-D1228
Standard Drill-4	3.2	16	BIO-D1232
Standard Drill-5	3.65	16	BIO-D1236
Standard Drill-6	4.2	16	BIO-D1242











DRILLS

PRODUCT	DIAMETER	HEIGHT (mm)	CODE	
Standard Drill-7	5.2	16	BIO-D1252	
Pilot Drill-1	2.0	25	BIO-PD2025	
Pilot Drill-2	2.8	25	BIO-PD2825	
Pilot Drill-3	3.2	25	BIO-PD3225	
Pilot Drill-4	3.8	25	BIO-PD3825	
Pterygoid Step Drill	1.2-2.0	25	BIO-PD12251	
Pterygoid Drill-2	1.2-2.0	25	BIO-PD20252	



ACCESSORIES











PRODUCT	HEX DIA.	HEIGHT (mm)	CODE
Prosthetic Hex Driver, Short			BIO-X2107
Prosthetic Hex Driver, Medium		10	BIO-X2110
Prosthetic Hex Driver, Long	1.25	15	BIO-X2115
Implant Hex Driver, Short	2.42		BIO-X2607
Implant Hex Driver, Medium	2.42		BIO-X2610
Implant Hex Driver, Long	2.42	15	BIO-X2615
Slim implant Hex Driver, Short	2.1		BIO-X2607
Slim implant Hex Driver, Medium	2.1		BIO-X2610
Slim implant Hex Driver, Long	2.1	15	BIO-X2615











ACCESSORIES



PRODUCT	HEX DIA.	CODE
Normal Wrench	6.35	BIO-X1020
Torque Wrench (upto 100 N-cm)	6.35	BIO-X1021
Surgical Screw Driver	2.42	BIO-X1022
Surgical Screw Driver	6.35	BIO-X1023







SURGICAL KITS

Rachet 6.35 hex 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

BIO-X2610

2.42 mm hex implant driver



STARTER KIT

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



PROFESSIONAL KIT



SURGICAL KITS

Short implant driver 2.42mm hex
Medium implant driver 2.42mm hex
Long implant driver 2.42mm hex
Short prosthetic's driver 1.25mm hex
Medium prosthetic's driver 1.25mm hex
Long prosthetic's driver 1.25mm hex
15 degrees dummy abutment
25 degrees dummy abutment
35 degrees dummy abutment
45 degrees dummy abutment
Marking drill sharp
Pterygoid drill 2 step 1.2-2.0
Pterygoid drill 2 step 2.5-2.8
Pterygoid drill 2 step 3.2-3.65
Surgical screw long driver

BIO-X2607 BIO-X2610 BIO-X2622 BIO-X1207 BIO-X1210 BIO-X1215 BIO-A3209 BIO-A3409 BIO-A3509 BIO-A4509 BIO-D3410 BIO-PTDRILL1520 BIO-PTDRILL2528 BIO-PTDRILL3236 BIO-X1023 BIO-PTR01

Marking drill sharp



CORTICAL KIT



Pterygoid depth probe 25mm

ZYGOMATIC KIT

Zygoma drill 3 step long 2-2.5-3mm Zygoma drill 2 step long 2.8-3.2mm Zygoma drill long 3.2mm Zygoma drill 3 step short 2-2.5-3mm Zygoma drill 3 step short 2-2.5-3mm Zygoma drill 2 step short 2.8-3.2mm Zygoma drill short 3.2mm Diamond bur fine Diamond bur medium Diamond bur coarse

Surgical screw driver for 2.42mm hex

Surgical screw driver for 6.35mm hex

Zygoma depth probe 60mm

Zygoma drill 3 step long 2-2.5-3mm

BIO-D3410
BIO-ZIGDRILL2253/L
BIO-ZIGDRILL2253/L
BIO-ZIGDRILL2832/L
BIO-ZIGDRILL2253/S
BIO-ZIGDRILL2253/S
BIO-ZIGDRILL2253/S
BIO-ZIGDRILL2253/S
BIO-ZIGDRILL2253/S
BIO-ZIGDRILL32/S
BIO-DBF
BIO-DBF
BIO-DBM
BIO-DBC
BIO-X1022
BIO-X1023

BIO-SPR01







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