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INDICATIONS OF USE

GUIDED BONE GENERATION (GBR) 3D-MESH

The 3D-MESH bone regeneration mesh is an implantable medical device made to measure for each single patient. It is made of biomedical titanium using the innovative Selective Laser Melting technology. The specific purpose of the GBR mesh is to keep the regeneration material inside the bone defect cavity and to guide the remodelling process according to specifically defined morphology and volume parameters. 3D-MESH is developed based on the dentist' plan and it is made in compliance with the specific treatment needs of each individual patient.

3D-BONE CUSTOMIZED BONE GRAFTS

The "3D-BONE" service offers clinicians not only innovative, synthetic bone grafts made to measure, modelled with utmost precision based on the patient's bone defect, but also a complete work flow that simplifies surgical procedures and drastically reduces the duration of surgery. Based on the patient's CBCT, the bone graft is produced using CAD-CAM technology. It can be used for small and medium sized bone reconstructions and to prepare the site for receiving one or several dental implants needed to replace missing teeth.

IJXTA-3D SUB-PERIOSTEAL IMPLANTS

The IJXTA-3D service permits to solve cases of extreme atrophy of the upper and lower jaw when the bone is not sufficient for conventional endosseous titanium implants. The juxta-osseous implant is designed based on the patient's examination, it is customized following the patient's anatomical features and prosthetic needs and it is made of biocompatible, certified titanium. It is placed during one surgical session and therefore it reduces the time and biological costs of conventional bone regeneration techniques.

IMPLANTABLE DEVICES FOR CRANIO-MAXILLO-FACIAL SURGERY

BTK can produce implantable medical devices for individual patients, in compliance with Directive 93/42/EEC and subsequent amendments and integrations. These devices are developed following the request of dentists, based on the examination and needs of individual patients. They are made of biomedical titanium and are prepared via a verified and traced production process. These titanium restorations are a custom-made solution for patients needing major surgical rehabilitations.



SURGICAL KIT BT-SCREW

QUICK GUIDE
BTK

Fixation screw kit
for advance surgery

visit btk.dental

SURGICAL PROCEDURE

In order to achieve a successful fixation of the screw with the bone site, a precise and low-trauma surgical technique is required. BTK suggests to prepare the fixation site using the adequate lance drills combined with a very low-speed drilling process. During insertion of the fixation screw, do not exceed the maximum torque value as indicated in the table below.

SCREW	TYPE I	TYPE II	TYPE III	TYPE IV
Ø 2.0 mm	SITE PREPARATION			
	415HR170	415HR151	415HR151	NONE
	TIGHTENING TORQUE (MAX. VALUE)			
	20 Ncm	15 Ncm	10 Ncm	5 Ncm
Ø 2.3 mm	SITE PREPARATION			
	415HR170	415HR170	415HR170	NONE
	TIGHTENING TORQUE (MAX. VALUE)			
	30 Ncm	25 Ncm	15 Ncm	20 Ncm

BTK PERSONAL TUTOR

A program for individual case planning and execution supported by experienced professionals in order to leverage know-how and maximize clinical experience with the aim to achieve sustainable high patient satisfaction rates.

BTK is always at your disposal for any request for further follow-up or information, promoting periodic and ad-hoc training course.

CERTIFIED QUALITY SYSTEM

BIOTEC is certified UNI EN ISO 9001 and UNI EN ISO 13485.



CE marked product, in accordance with Directive 93/42/EEC and subsequent modifications and additions.

MADE IN ITALY
USED GLOBALLY



We constantly ensure that the quality of our products and services meet the high expectations of our customers and their patients. Specialized professionals are taking care to offer comprehensive solutions in applied research, engineering, education and related activities.

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SURGICAL KIT BT-SCREW

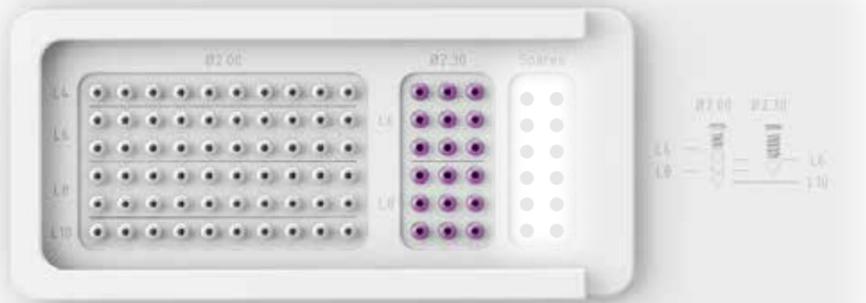
BTK's BT-SCREW KIT contains the more common medical and dental surgical tools suitable for the correct management of surgical procedure for the fixation of bone grafts, metallic grid and membranes on the mandible or maxilla. BT-SCREW KIT contains also a set of fixation screws, with several diameters and length, in order to cover all the surgical needs.



OVERVIEW

- COMPLETE**
with drills, screwdrivers, tools, etc.
- VERSATILE**
screw insertion using handpiece, wrench or manual driver
- FREE SLOTS**
for additional tools and spare parts
- SMALL DIMENSION**
19.0 x 13.8 x 6.0 cm
- AUTOCCLAVABLE**
Plastic box

SCREW ORGANIZER



- EASY ORGANIZATION**
up-to 90 fixation screws
- SCREW WITH Ø 2.0**
L= 4, 6, 8 and 10 mm
- SCREW WITH Ø 2.3**
L= 6 and 8 mm
- INNOVATIVE & SAFE**
detachable screw holder with cover
- 1:1 SCALE SKETCH**
check of screws dimension



KIT CODE
665NA001

INSTRUMENTS

LANCE DRILL			
	Ø 1.5 mm L 36 mm		415HR151
	Ø 1.7 mm L 34.5 mm		415HR170
DRILL EXTENSION			
	L=28 mm		520HS003
SCREWDRIVER			
	HEX1.20 L=25 mm		530HS004
SCREWDRIVER JD			
	HEX1.20 L=5 mm		530JD003
	HEX1.20 L=30 mm		530JD007
HAND SCREWDRIVER			
	HEX1.20 L= 140 mm		530MA001
TORQUE WRENCH JD			
	Reversible, 35Ncm		501JD002
SURGICAL RETRACTOR			
			502MA008

SCREW PORTFOLIO



RETENTIVE SCREW (INCLUDED INTO KIT)			
	Ø 2 mm, L=4 mm HEX1.20	10 pcs	165NA20C
	Ø 2 mm, L=6 mm HEX1.20	20 pcs	165NA20G
	Ø 2 mm, L=8 mm HEX1.20	20 pcs	165NA20J
	Ø 2 mm, L=10 mm HEX1.20	10 pcs	165NA20L
	Ø 2.3 mm, L=6 mm HEX1.20	9 pcs	165NA23G
	Ø 2.3 mm, L=8 mm HEX1.20	9 pcs	165NA23J

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BT-SCREW



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IUXTA-3D SUB-PERIOSTEAL IMPLANTS

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