PRODOCT CATALOGUE

B&B DENTAL
implant company

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CERTIFICATO CE


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B & B Dental s.r.l. is an Italian leading company in oral implantology, established in 1991, specialized in the development of products such as dental implants and materials for bone regeneration. The experience gained over the years let us to develop high quality prosthetic implant technologies and innovative materials with affordable prices.

From more than 20 years B & B Dental Technologies Ltd. is conceived by dental surgeons for dental surgeons assisted by engineers expert in implantology.
It is all started from a Dr. Claudio Banzi's idea who became in 1982 one of the early pioneers of implantology by investing his savings in one of the first patent for dental implants "DURAVIT SYSTEM" and material for bone regeneration "Novocor PLUS" he did not know that he was founding one of the first implant companies.
In 2007 his team of engineers developed a new connection CONEXA which aims to reduce the uscrewing of the prosthetic screws and avoids the bacteria colonization at the base of implants. That is how the second generation of implants "DURAVIT INN" was born.
Dr. Claudio Banzi has an experience of more than 20 000 implants placed, millions of surgeons trained and hundreds of lectures gave around the world, he has spread B & B Dental Ltd. values which are: integrity, knowledge sharing and innovation.

RESEARCH AND DEVELOPMENT

We are constantly improving our products and techniques by listening to customer needs and their issues. Taking also advantage of support higher education structures and institutions that enable us to verify the validity of our products according to the latest technologies and best-established techniques. Experience also allows us to evaluate, design and innovate by producing materials designed and tested in our structures and certify they in different countries.

PRODUCTION

Our staff is composed by qualified engineers, mechanical experts.
we use last generation CNC lathes bar, which are high precision machines, with dynamic correction of the tools that enable compliance with tolerances of ± 0.001 mm (1 micron) to produce our components.
All the innovations in the production stages and characteristics of our pieces are the result of continuous intensive studies as well as of significant and constant investments.

CE 0123

QUALITY AND CONTROL

All production stages are constantly monitored by sophisticated management systems which intervene automatically during running processes in case of deviations from the set parameters.

Production controls are based on defined protocols called SPC (Statistic Process Control) in which the amount and frequency of controls and the criteria for acceptability are fixed (depending on the type of product).

Dimensional checks are made on the last-generation three-dimensional measuring machines, capable to ensure an accuracy of ± 0.0005 mm (0.5 microns).

The quality of production complies with EN ISO 13485:2003 / AC: 207 and 93/42/EEC on medical devices.

WAREHOUSE

Finished and semi-finished products are stocked and organized by vertical lift automatic cabinets allowing a rationalization of the space and a fully computer based processing of the orders. Standard orders are shipped within 48 hours in Italy and 7 working days in the foreign countries.

CUSTOMER SERVICE

B & B Dental s.r.l. works to satisfy the customer's expectations and is represented with dealers in 60 countries. A careful pre-sale and postsale customer assistance is provided by qualified technical and commercial staff works to meet any requirement or question in order to give detailed information and help the client to choose the product and in its application and use .

TRAINING AND UPDATE

Courses are held to illustrate a wide variety of prosthetic solutions in line with the "philosophy" of the company, which consists in apply new techniques to get reliable and valid results, providing an alternative to well known traditional techniques which have been used for years.

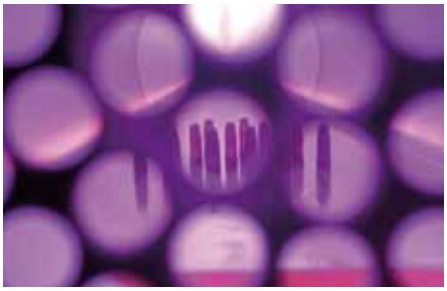
The experience of dentists and dental technicians who actively collaborate with us, joined to the research of our department technical planning and micro-mechanics, have enabled us to achieve excellent results and to develop courses that interest all the operators.

SURFACE TREATMENT

The clean surfaces of equipment is a slightly complex task. Even if the solvents used for cleaning are very pure can leave traces on the below surface. The few impurities or the solvent molecules can be combined with the constituents of implants surface, especially in the case of reactive materials such as metals. The perfect tool for cleaning should be unable to react chemically with the material device and at the same time be very efficient the remove contaminants. It is possible to exploit this ideal principle by cleaning with plasma. From this point of view B & B Dental Ldt. is among the few companies in Italy which uses technological high-level quality decontamination procedures .

SANDBLASTING SURFACE ETCHING

B & B Dental Ldt.'s team of international researchers with proven experience in treatment processes for implant surfaces has developed the company's exclusive Speed-Bone treatment, which guarantees a controlled surface profile characterised by strong osteoinductive power, better bone anchorage and shorter healing times.
Component surfaces are sandblasted with alumina oxide by using a dedicated appliance.
The surface is treated with a double etching by using mineral acids. This treatment aims to obtain, by subtraction an implant surface with a controlled micro-roughness.
The initial roughness level favours the initial osteoblast cells anchor and the integration with the bone tissue, reducing the osseointegration time. All processes are performed in machines that guarantee the homogeneity of the surface and therefore the maintenance of the characteristics along all the implant surface.



ARGON PLASMA TREATMENT

The ideal cleaning tool, argon plasma cleans component surfaces by bombarding them with accelerated ions ARGON gases are opportunely used inside a reactor in order to form a plasma constituted by the gas heavy ions that reacts with the surface of the implant removing all the contaminants. This means that they do not come into contact with solvents and organic contaminants are removed by exploiting the impact of plasma particles.
The plasma treatment reactor used to clean implant screws is housed in a class 10000 clean room, to guarantee the absence of environmental contamination.
As a last process efficacy test, component surfaces undergo sophisticated, dedicated assays. Specifically, each batch of implant screw undergoes x-ray photoelectron spectroscopy (XPS or ESCA), a widely-used rough surface analysis technique as well as its chemical composition composed 95% by titanium.
This type of analysis provides information on the qualitative and quantitative chemical composition of the first few nanometres of the material, the layers that come into the most direct contact with the bone tissue.

EVALUATION OF SURFACE TOPOGRAPHY OF DURAVIT IMPLANTS TREATED WITH SPEED-BONE METHOD

THE AIM OF THIS WORK WAS THE EVALUATION OF THE SURFACE TREATMENT, USING THE SANDBLASTED AND DOUBLY ACID ETCHED ON "DURAVIT"IMPLANTS.

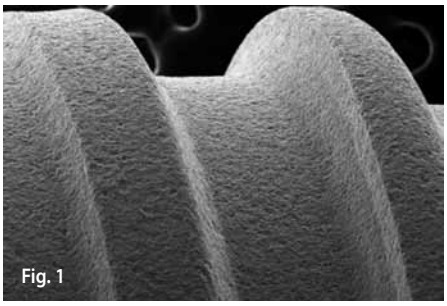


Fig. 1

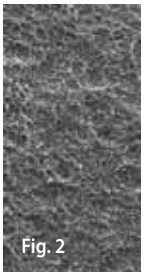


Fig. 2

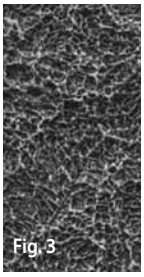


Fig. 3

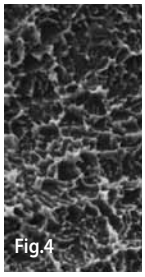
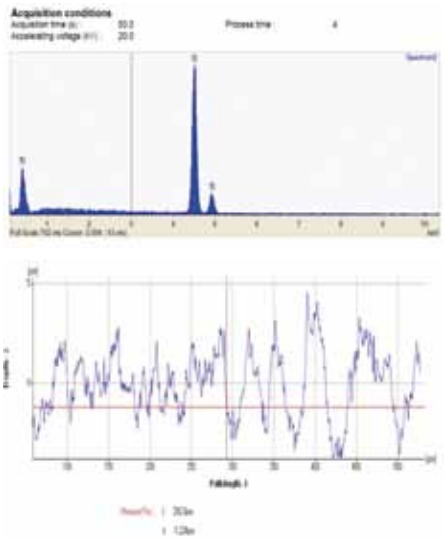


Fig.4



METHODS AND MATERIALS

The surface topography of the implants was evaluated by scanning electron microscope (SEM).
Roughness was evaluated quantitatively using dedicated software to convert conventional SEM images into three-dimensional data (Mex 4.2, Alicona Imaging).
In particular, in this case, the images are increasing magnifications (shown in each image) of the treated implants.

RESULTS

The main results of SEM observation are reported in the micrographs below:
First of all, **(Fig. 1)** shows a low magnification (200 x) image of the sample. It is possible to appreciate the nice machining work, together with a homogeneous surface finish without particles or blasting residuals.
(Fig. 2) Increasing the magnification, we observe the typical topography induced by this treatment, where it can be appreciated larger craters due to blasting and internally it can be noticed a more short-ranged roughness.
(**Fig. 3 and 4**) (2500 and 5000 x) show the typical structure of micro-roughness surfaces treated with double acid attack. As known and as reported in the scientific literature on the subject, this particular micro-topography enables the surface to act as a "sponge", interacting strongly with the clot and stimulating bone re generation. these images show better the absence of contaminants or foreign deposits, as shown below in the surface analysis section.

EDX analysis confirms that the only elements detected are Ti, Al and V, as expected from the nature of the sample.

To quantify the roughness a stereo SEM analysis three-dimensional reconstruction of the surface has been used to provide the following data, reported in accordance with ISO 4287: (the table contains, for comparison, the values of the SLA from the literature):

(**Fig. 5)** show the typical topography expected. The values observed on DURAVIT implants treated with the Speed-Bone method are derived from the analysis of two points for each sample, a statistical point of view they are not significantly different than the parameters reported in the literature. Therefore in general the data are in good agreement with expectations for this type of treatment.

IMPLANT PACKAGING

Innovative packaging for "Duravit 3P", over the past few years, have been based on customer input to make our implant systems more efficient and easier to use.

Simplified retrieval

The packaging provides an easy access to the implant and cover screw. Implant can be easily lifted once the Plastc Mount has been engaged by the implant driver. Cover screw is located in the upper portion of the Plastc Mount .

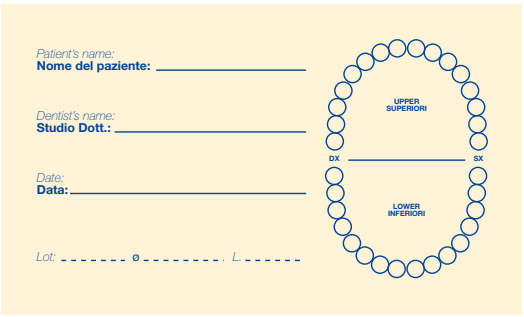
Simplified delivery

Touchless delivery system allows the implant, upon retrieval, to be carried directly to patient's mouth without any intermediate steps.

Packaging Components

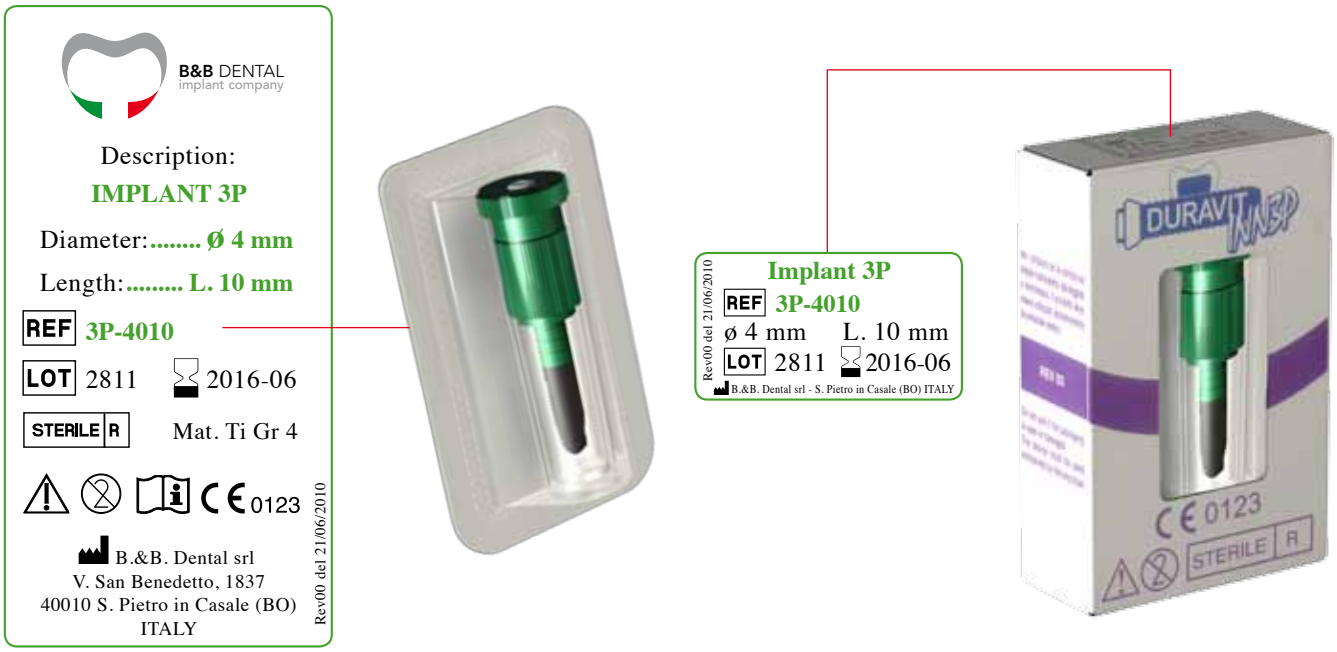
IMPLANT PASSPORT

Each implant is accompanied by an "implant Passport" issued by the implantology to the patient after surgery. It's a guarantee of the quality of the implants and components used and contains traceability information useful for a more careful management, particularly in patients from other dentists.



IMPLANT LABELING

The label on the package of any medical device set on the market will show the symbols in compliance with the harmonized standards, based on the ISO 21531, ISO 15223-1, EN 980 European Standard and on the 93/42EEC Directive.



KNOWN ABOUT THE SYMBOLS

Implant 3P Implant line

REF Product code

LOT Lot number

STERILE R Sterilization with gamma rays

Read the instruction sheet

The device must be use exclusively by the physician

Monouse

Expire date

Producer

COLOUR CODED

ø 3,5 mm

ø 4 mm

ø 4,5 mm

ø 5 mm

CONEXA THE REVOLUTIONARY CONNECTION

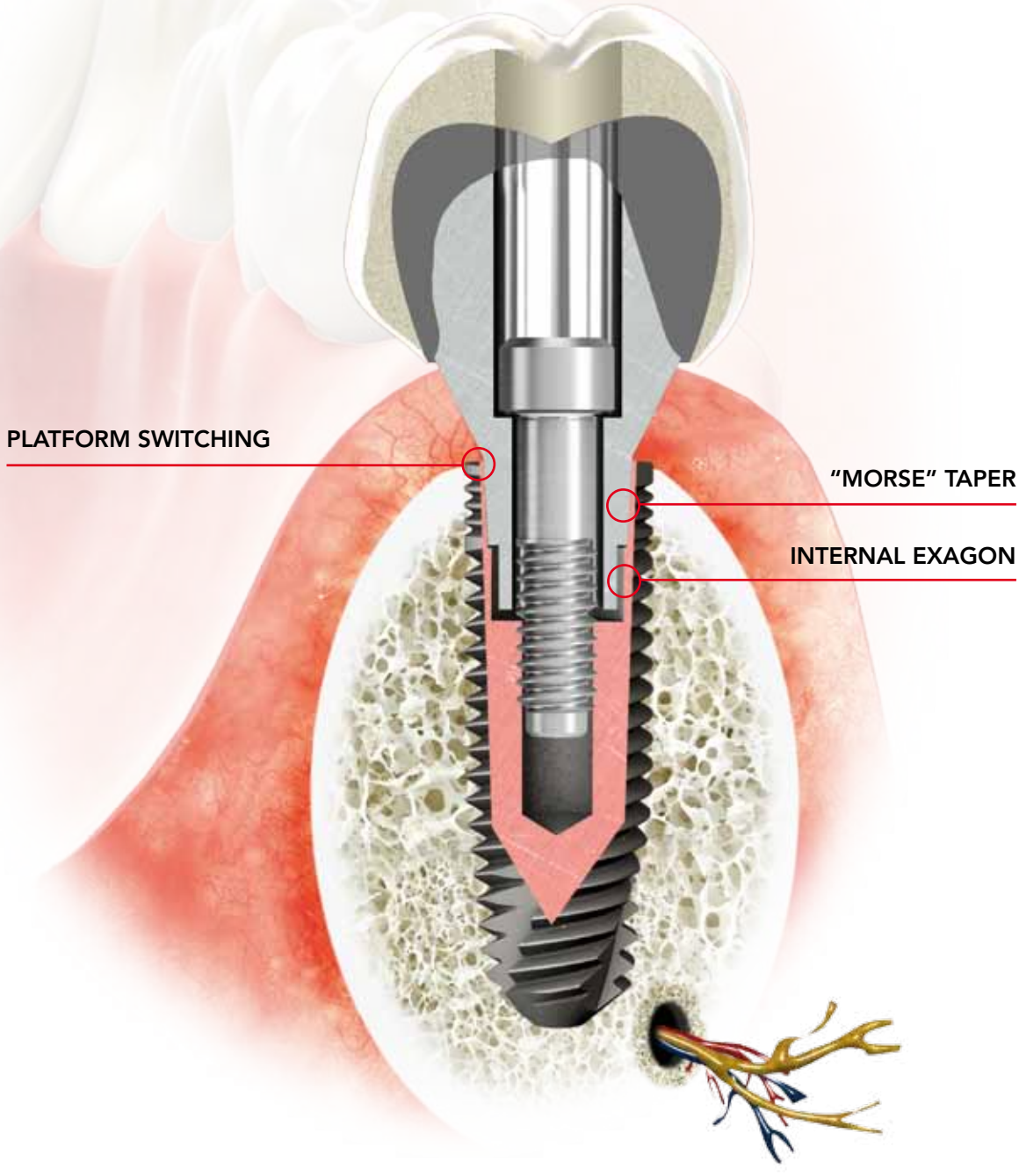
CHARACTERISTICS

ADVANTAGES

- Easy and safe transfer of the abutment's position and impression taking
- Absence of micro movements,
- Optimal distribution of the masticatory load
- Perfect bacterial seal

CHARACTERISTICS:

The CONEXA is a revolutionary connection between implant and abutment, results from the combination of two geometries:



INTERNAL EXAGON

The hexagon enhances the resistance to torsional loads and allows an easy transfer of the abutment's position from the laboratory to the dental office

PLATFORM SWITCHING

The concept of the platform switching is aimed to minimize the vertical bone loss by providing different diameters of the platform and the abutment. The clinical advantages of this concept are as follows.

- To obtain a good long-term prognosis through increasing the degree of bond between implant and bone by minimizing the bone loss of crestal area.
- To make it possible to produce an aesthetic prosthesis with the reproduction of papilla through minimizing the bone loss between implants and protecting the recession of papilla.
- To protect the concentration of force on the crestal area.

"MORSE" TAPER

The Morse taper ensures a very high mechanical stability as well as an absence of micro movements, a perfect bacterial seal and an optimal distribution of the masticatory load.
The "Morse" effect (Fig. 1)
Inserting with pressure an element with a tapered external surface in a corresponding female element that has a hole with an identical tapered design, the friction between the two tapered surfaces, combined with the push created by the insertion force that presses them together, locks the male cone in the female one.
This locking remains and keeps itself efficient also when the insertion force applied ceases. This is the "Morse" effect.

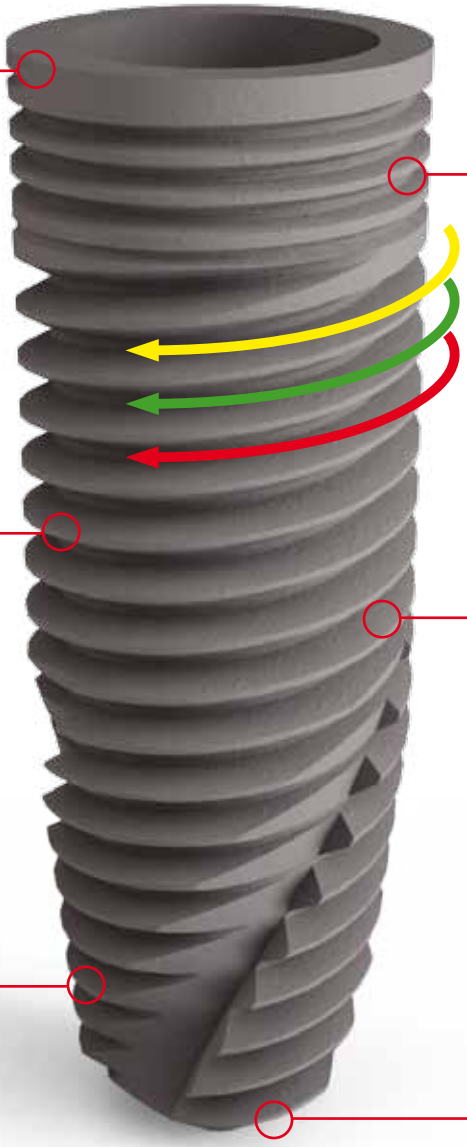
Avoid of breakings and unscrewing of the prosthetic screws
A suitable tapering of the cones guarantees the "locking" that will be a safe and natural anti unscrewing system for the prosthetic screws that connects the abutment to the implant. These screws bring to the perfect engaging between the surfaces to avoid the strengths that could bring to its breaking

EXTRACTOR SCREW

The "Morse" effect is created by such push that, combined with the friction existing between the two surfaces of the cones, locks the 2 parts (implant-abutment) that can be dismounted only inserting an "Extractor screw"
(ref. INN-6050)

DURAVIT-INN 3P IMPLANT

CHARACTERISTICS



CONE MORSE & HEXAGON

The internal tapering and hexagonal connection shows an increased contact area between the fixture and the abutment, ensuring a prolonged durability in time, a superior stability and unscrewing of the dental pillar.
The hexagonal connection shape ensures precise positioning of prosthetic components and allows optimal choices for the respect of parallelism.

TRIPLE THREAD BODY

The revolutionary triple threads, unique in its nature, allows the full insertion of the implant body more easily than using other common implants.
This advantage simplifies extremely the work of the oral surgeon and reduce considerably the time of insertion.
The thread has a particular 60° degrees beveled profile: which shape, angle and depth are specificaly conceived to increase contact surface with the bone.
It reduces the invasive process and improves at the same time the osseointegration.

SELF-TAPPERING SYSTEM

The triple apical groove of Duravit-INN 3P implants has been designed with a special sharp skewed section and in order to promote bone tappering during the insertion and preventing at the same time any trauma resulted from pressure.

COLLAR MICROGROOWING

The specific micro-architecture of the implant collar increases the primary stability and facilitates the introducion of the implant. It promotes hence soft tissue's healing process and reduces the risk of bone resorption at collar level.

PERFECT ANATOMICAL DESIGN LIKE A RADICULAR STRUCTURE

The innovative macromorphological facility of Duravit-INN 3P implant line, with a variable degree of tapering, more pronounced near the apical region, has been designed to make easier implant's insertion and to achieve an high primary stability even in cases in which the bone is being undermined, ensuring therby the full integrity of all proximal structures.

"BONE FRIENDLY" APEX

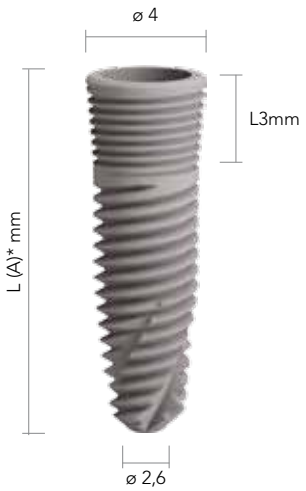
The implant apex shape help to avaluate the floor at the maxillary sinus, avoiding th risk of perforeting in

DURAVIT-3P IMPLANT

INTENDED USE

- All the implants are supplied with **COVER SCREW (Titanium)**

- Progressive taperd implant
- Achives hight primary stability
- Easy, fast and stable implant insertion
- Beter control during implant placement
- Sutable for all procedures
- Sutable for all bone types

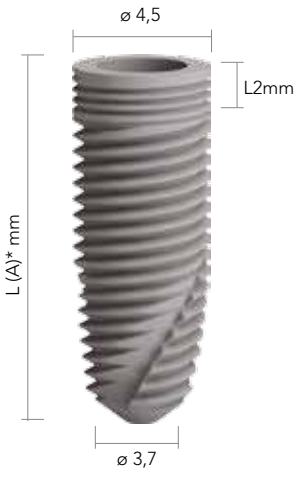


Ref. ø 3.5

L. (08)	3P-3508
L. (10)	3P-3510
L. (12)	3P-3512
L. (14)	3P-3514

Ref. ø 4

L. 08	3P-4008
L. 10	3P-4010
L. 12	3P-4012
L. 14	3P-4014



Ref. ø 4.5

L. 08	3P-4508
L. 10	3P-4510
L. 12	3P-4512
L. 14	3P-4514

Ref. ø 5

L. 08	3P-5008
L. 10	3P-5010
L. 12	3P-5012
L. 14	3P-5014

IMPLANT SITE PREPARATION

DRILLING TECHNIQUE

SUITABLE FOR HARD BONE. (D. I , II)

Implant sites are prepared in a step-by-step procedure using drills of different diameters to ensure an efficient and atraumatic widening of the implant site. All drilling of the bone tissue should be carried out under profuse external irrigation with saline solution and with an intermittent drilling technique to prevent heating of the bone and to create a pumping effect for efficient removal of bone tissue.

DRILLING SPEED

Hard bone: 500/800 Rpm.
Soft bone: 200/300 Rpm

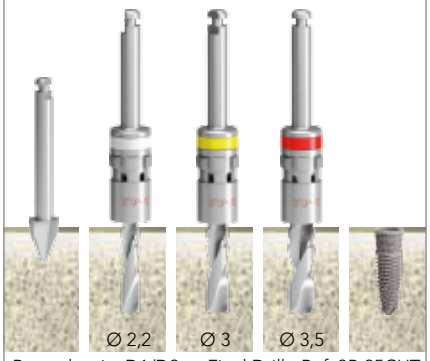
IMPLANT PLACEMENT

If you feel strong resistance at the time of placing the implant, rotate back (counter-clockwise) 2-3 turns then continue to screw clockwise.
The implant will drill and tap itself.

LEGEND

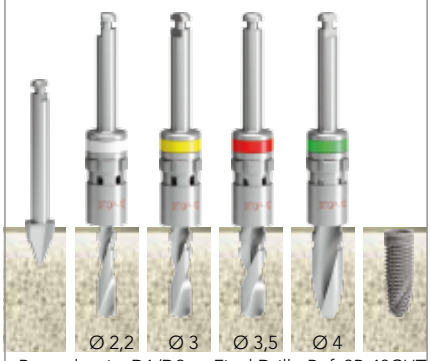
- ø 3 mm
- ø 3,5 mm
- ø 4 mm
- ø 4,5 mm
- ø 5 mm

Implant 3P ø 3,5



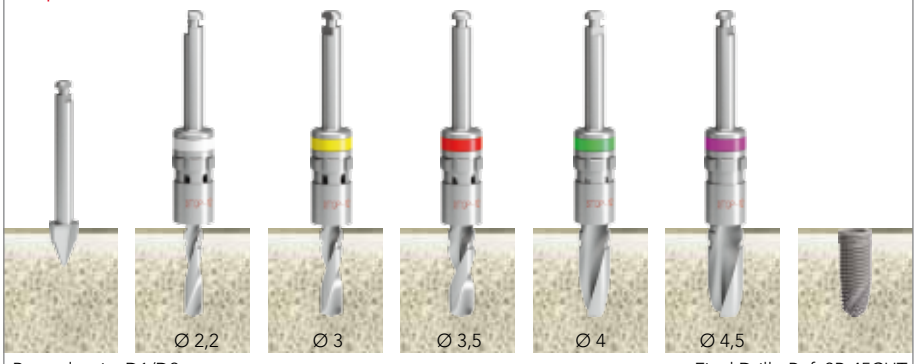
Bone density D1/D2 Final Drill - Ref. 3P-35CUT

Implant 3P ø 4



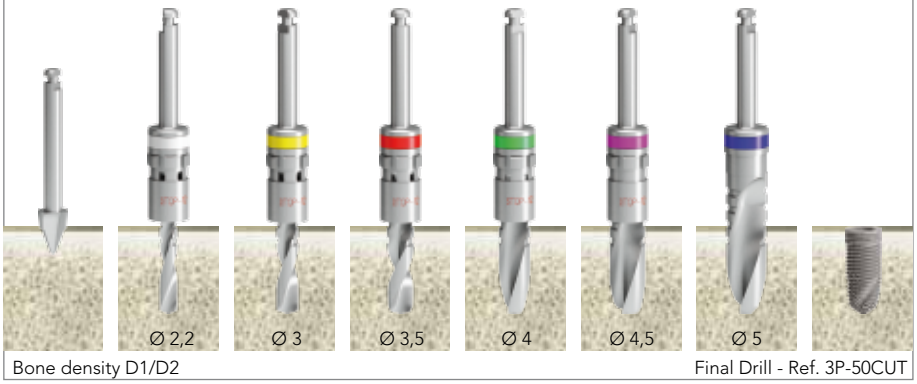
Bone density D1/D2 Final Drill - Ref. 3P-40CUT

Implant 3P ø 4,5



Bone density D1/D2 Final Drill - Ref. 3P-45CUT

Implant 3P ø 5



Bone density D1/D2 Final Drill - Ref. 3P-50CUT

IMPLANT SITE PREPARATION

BONE COMPACTOR-EXPANDER

SUITABLE FOR SPONGY BONE. (D. III , VI)

AN ALTERNATIVE TO OSTEOTOMES

Duravit bone Compactor-Expander are an alternative to osteotomes for the expansion and condensing of the atrophic mandible and maxilla in preparation for dental implant insertions. Compactor-Expander are also an alternative to the maxillary sinus elevation technique.

SURGICAL TRAUMA DECREASED

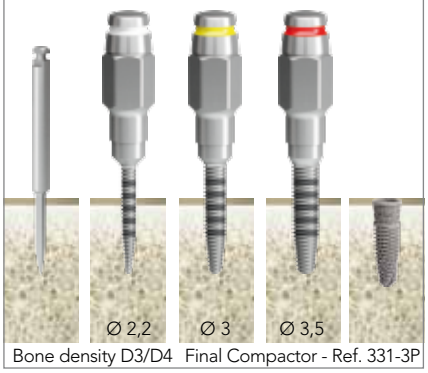
Duravit bone Compactor-Expanders are driven into the bone manually with a surgical driver or with torque ratchet. This decreases the surgical trauma of osteotomes.

Bone compactor-expanders improve the clinical success by improving stability, maintaining bone density and increasing fixation.

IMPLANT PLACEMENT

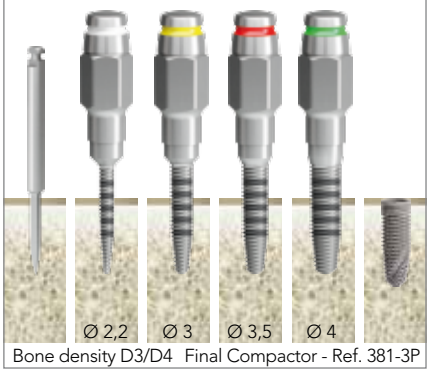
If you feel strong resistance at the time of placing the implant, rotate back (counter-clockwise) 2-3 turns then continue to screw clockwise. The implant will drill and tap itself.

Implant 3P ø 3,5



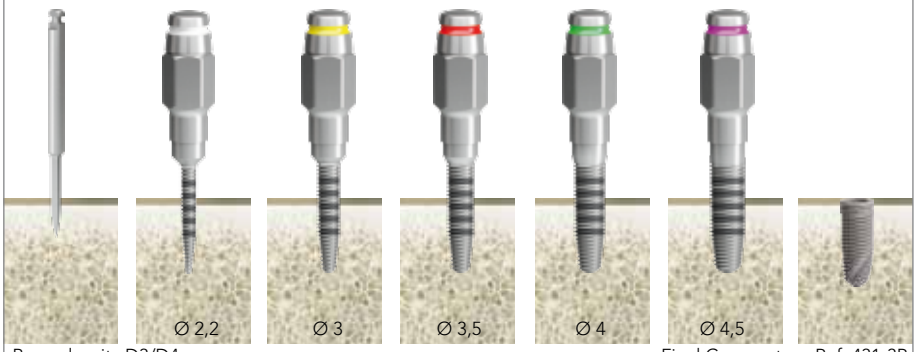
Bone density D3/D4 Final Compactor - Ref. 331-3P

Implant 3P ø 4



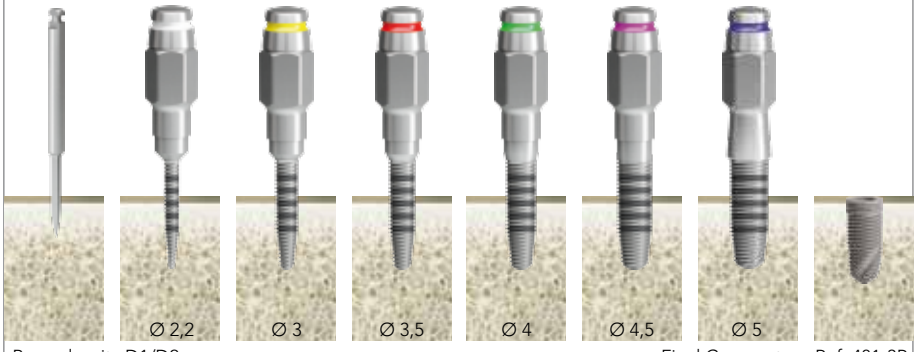
Bone density D3/D4 Final Compactor - Ref. 381-3P

Implant 3P ø 4,5



Bone density D3/D4 Final Compactor - Ref. 431-3P

Implant 3P ø 5



Bone density D1/D2 Final Compactor - Ref. 481-3P

SURGICAL KIT

SURGICAL INSTRUMENTS USE:

These instruments are used to penetrate the soft tissue, perforate the mandible and maxillary bone to create the perfect

surgical site in which to place the implant.

TECHNICAL SPECIFICATIONS

Dental drills and reamers are produced in AISI 630 grade stainless steel to guarante e an excellent balance between cutting power and stainlessness

We recommend that cutting instruments (burs, pilot drills and reamers), under normal operating conditions, should not be used more than 30 times. It is always necessary to check the amount of wear and tear of the cutting edges of the instruments

RULES FOR USE:

Use drills and tappers in a gradual sequence of diameters.

When preparing the implant site, light pressure should be applied with forward and backward movements of the instrument. Do not exceed 400 RPM while preparing the implant site.

Do not exceed 60 RPM while inserting the implant in the implant site.

SURGICAL KIT

ACCESSORIES

Lance Drill	Ref. 147-021
Rounded Drill	Ref. 00067Fst
Depth Drill Ø 2.1	Ref. 00074Cut
Conical Drill Ø 3	Ref. 00075Cut
Conical Drill Ø 3.5	Ref. 3P-35Cut
Conical Drill Ø 4	Ref. 3P-40Cut
Conical Drill Ø 4.5	Ref. 3P-45Cut
Conical Drill Ø 5	Ref. 3P-50Cut
Compactor-Expander Ø 2.2	Ref. 201-3p
Compactor-Expander Ø 3	Ref. 281-3p
Compactor-Expander Ø 3.5	Ref. 331-3p
Compactor-Expander Ø 4	Ref. 381-3p
Compactor-Expander Ø 4.5	Ref. 431-3p
Compactor-Expander Ø 5	Ref. 481-3p
Extender	Ref. 00236N
Tissue Punch Ø 4	Ref. 00091Bm

Neck Drill Ø 4.1	Ref. 00000
Neck Drill Ø 4.6	Ref. 00000
Neck Drill Ø 5.1	Ref. 00000
Metal Stop L. 8 Mm	Ref. Stop01
Metal Stop L. 10 Mm	Ref. Stop02
Metal Stop L. 12 Mm	Ref. Stop03
Metal Stop L. 14 Mm	Ref. Stop04
Implant Driver Long	Ref. Inn-00590/1
Implant Driver Short	Ref. Inn-00590/2
Implant Insertion Key (Contra-Angle)	Ref. Inn-00581
Prosthetic Screw Driver Long	Ref. Inn-61000L
Prosthetic Screw Driver Short	Ref. Inn-61000
Universal Ratchet	Ref. 00376
Straight Manual Key	Ref. 3P-00090Cm
Direction Pin (3 Pcs)	Ref. 00441

INITIAL DRILLS

Extender drill
Increases operating length of the drills during the surgery.

Lanche Drill
To mark out and create the insertion point penetrating cortex to evaluate bone quantity and quality.

Rounded Drill
Used to smooth out the ridges.

EXTENDER
Ref. 00236N

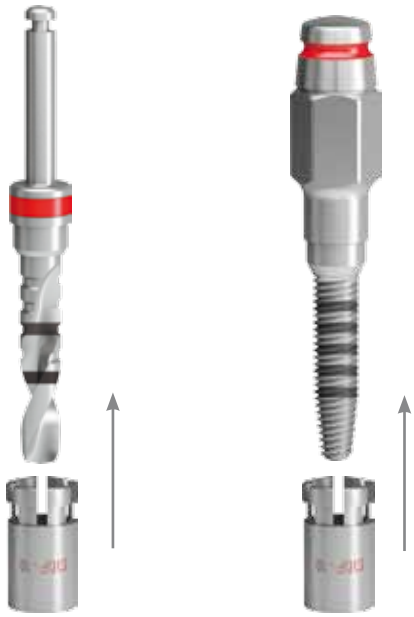
LANCE DRILL
Ref. 147-021

ROUNDED DRILL
Ref. 147-022

METAL STOPPER

The Drill stoppers ensure to the surgeon simple and accurate depth control.
- Laser marked for immediate identification of the length.
- Clearly arranged matching depth from 6 to 15 mm.
- Quick easy and easy assembling.

NOTE: Metal Stopper can NOT be mounted inside ø 5 Conical Drill and ø 5 Compactor - Expander

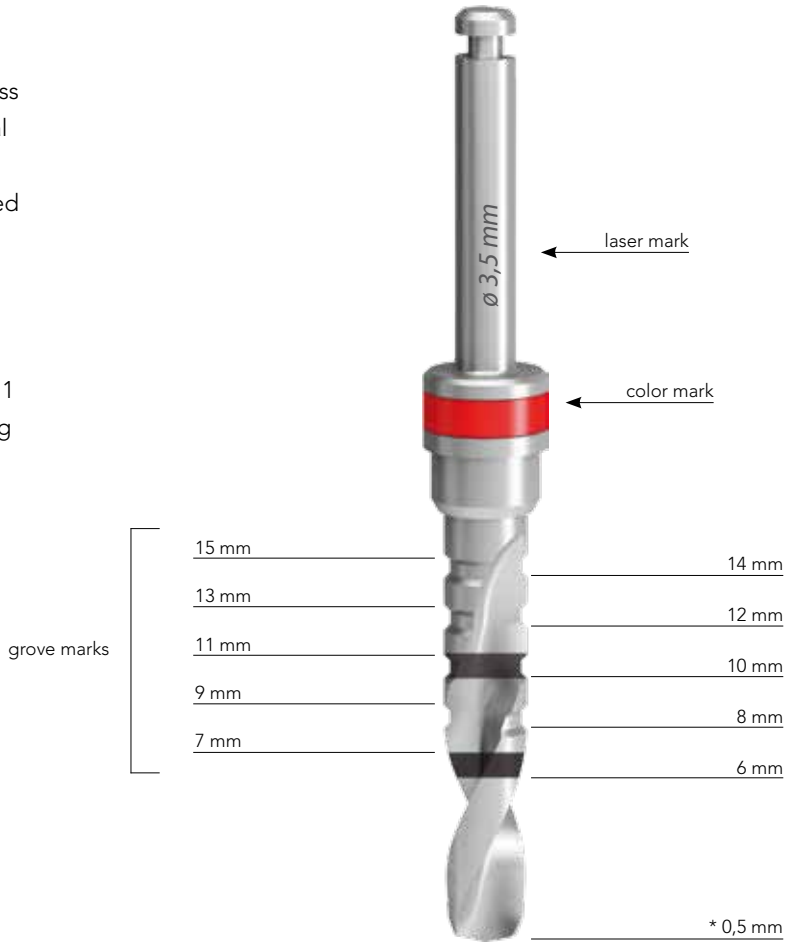


Ref. STOP06* | Ref. STOP01 | Ref. STOP07* | Ref. STOP02 | Ref. STOP08* | Ref. STOP03 | Ref. STOP09* | Ref. STOP04 | Ref. STOP10*

SURGICAL KIT

CONICAL DRILLS

- The surgical drills are available in sequential diameter.
- The drills are made of surgical stainless steel and are to be used with external irrigation.
- All drills are coloured and laser marked the diameter for easy identification during the surgery.
- Drills are grove marked for different length as shown below.
- Two laser lines, 6 to 7 mm and 10 to 11 to help the surgeon while is preparing the lends of the implant's site

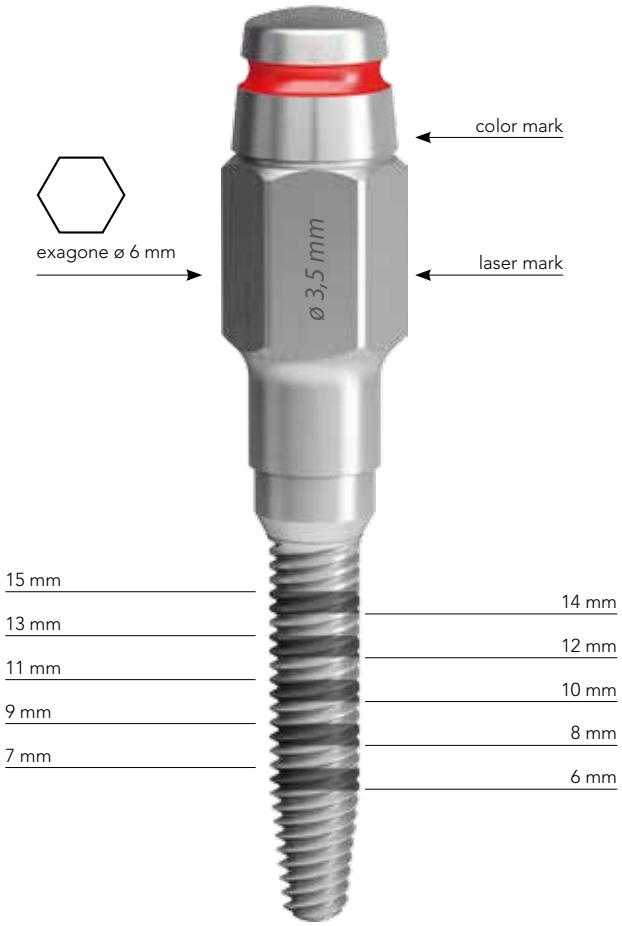


*IMPORTANT:
an additional 0.5 mm must be added to the length of the drill to account for the angled cutting tip.

Color Legend	ø 2.2	ø 3	ø 3,5	ø 4	ø 4,5	ø 5
Real Diameter	ø 2.2	ø 2.6	ø 3,1	ø 3,6	ø 4,1	ø 4,6
Ref	00074CUT	00075CUT	3P-35CUT	3P-40CUT	3P-45CUT	3P-50CUT

COMPACTOR EXPANDER

- The Compactor-Expander are available in sequential diameter.
- The Compactor-Expander are made of surgical stainless steel.
- All Compactor-Expander are coloured and laser marked the diameter for easy identification during the surgery.
- Compactor-Expander are grove lasered for different length as shown below.

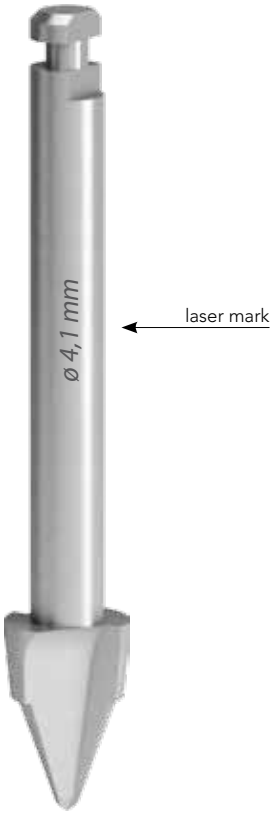


Color Legend	ø 2.2	ø 3	ø 3,5	ø 4	ø 4,5	ø 5
Real Diameter	ø 2.2	ø 2.8	ø 3,3	ø 3,8	ø 4,3	ø 4,8
Ref	201-3P	281-3P	331-3P	381-3P	431-3P	481-3P

SURGICAL KIT

NECK DRILLS

Drill for cortical preparation.
Used to enlarge the cortical site to the exact implant neck in diameter, to reduce the pressure in dense bone.



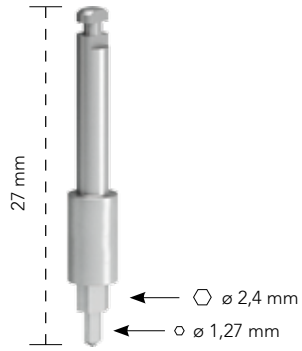
CHARACTERISTICS

- The surgical drills are available in sequential diameter (4.1, Ø 4.6 and Ø 5.1)
- The drills are made of surgical stainless steel and are to be used with external irrigation.
- All drills are laser marked the diameter for easy identification during the surgery.

Color Legend	ø 4	ø 4,5	ø 5
Real Diameter	ø 4,1	ø 4,6	ø 5,1
Ref	NECK-40	NECK-45	NECK-50

IMPLANT DRIVERS

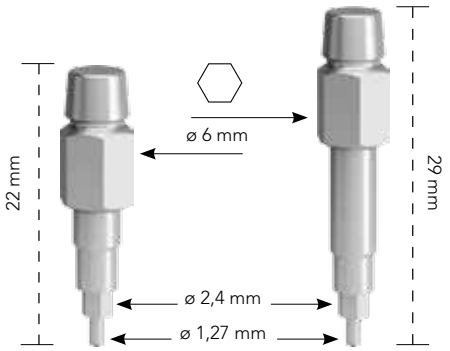
- Insertion tools 2.6 mmd (stainless steel)
- Used for placing threaded implants with internal hex 2.6mm .



IMPLANT INSERTION KEY

CONTRA-ANGLE

Ref. INN-00581



TORQUE RATCHET MOUNTER

SHORT KEY

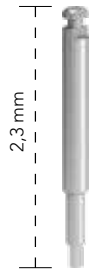
Ref. INN-00590/1

LONG KEY

Ref. INN-00590/2

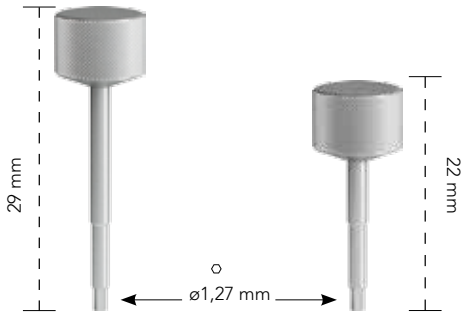
PROSTHETIC HEX DRIVERS

- Hex driver 1.27mm (stainless steel)
- For all types of cover screws, healing abutments and prosthetic pieces



HANDPICE DRIVER

Ref. INN - 9019



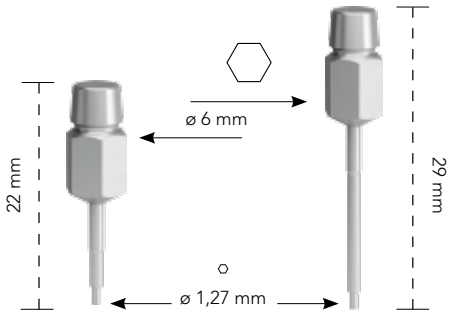
MANUAL DRIVERS

LONG

Ref. INN - 00604

SHORT

Ref. INN - 00604/S



PROSTHETIC SCREW DRIVER

SHORT

Ref. INN-61000

LONG

Ref. INN-61000L

torque wrench connection	implant connection	screw connection
⬡ exagone ø 6 mm	⬡ exagone ø 2,4 mm	○ exagone ø 1,27 mm

SURGICAL KIT

RATCHET & MANUAL KEY

Torque Ratchet allows the clinician to accurately apply the recommended preload torque for surgery and prosthetics.

TORQUE RATCHET 50N/CM
Ref. 00376DIN

UNIVERSAL RATCHET
Ref. 00376

STRAIGHT MANUAL KEY
Ref. 3P-00090CM

SURGICAL FACILITIES

Parallel Pin place parallel pin in the site to facilitate the direction of the subsequent drilling.

Tissue Punch intended for use with a contra angle set at a low speed, it allows to punch the mucosa according to the selected implant diameter.

Template the template helps the surgeon in selecting the right implant to be inserted. The whole range of "Duravit 3P implants" in two scales is illustrated: actual dimensions, and dimensions increased by 25%, it takes into account the distortions of the panoramic.

PARALLEL PIN

Ref. 00441T

TISSUE PUNCH

Ref. 00091BM
ø 4 mm

Ref. 00092BM
ø 4,5 mm

Ref. 00093BM
ø 5 mm

TEMPLATE Ref. 3P-09

SURGICAL COMPONENTS

HEALING SCREW

Healing Screw is a solid, one-piece component, designed to support optimal aesthetic results. The Screw is used for soft tissue contouring during the healing phase and can be used for both one- and two-stage surgery. Healing Abutments can be used in combination with a removable temporization.

ONE-STAGE SURGERY

Place a Healing Abutment at time of implant installation. After healing, replace the healing abutment with a temporary or permanent abutment.

TWO-STAGE SURGERY

Place a Cover Screw at time of implant installation and suture the soft tissue. After appropriate healing period the healing abutment is placed at a second surgical procedure. From here on continue as for One-stage surgery.

TRANSFER

Impressions taken at the implant level can offer several advantages:

- The quality of prosthetic planning and treatment can be enhanced
- Implant angulations can be compensated for at an early stage
- Individual anatomic designs can be performed through abutment selection and preparation
- The Implant Transfer (Pull-off impression technique) or Implant Pick-up (open-tray technique) ensures precise and easy impression procedures.

Implant Transfers and Implant Pick-ups are two-piece components and available for different clinical situations. In order to achieve optimal results, the impression should be carried out with a rigid impression tray and a suitable impression material.

SURGICAL COMPONENTS

COVER SCREW (Titanium grade 5)

Provided in the implant package. Use when you want to completely cover the implant after it has been inserted.
The implant is reopened 3-6 months, followed by the use of healing screws.

PROSTHETIC SCREW DRIVER (SHORT)
Ref.
INN-61000

PROSTHETIC SCREW DRIVER (LONG)
Ref.
INN-61000L

Ref. 016013

TIGHTENING:
Insert the Cover Screw into the implant and tighten with only light finger force or with torque 5–10 Ncm.

HEALING SCREWS (Titanium grade 5)

-Hex driver 1.27mm (stainless steel)
-For all types of cover screws, healing abutments and prosthetic pieces

Ref. INN-6010

Ref. INN-6011

Ref. INN-6012

Ref. INN-6014

Ref. INN-6015

Ref. INN-6020

Ref. INN-6021

Ref. INN-6022

TIGHTENING:
Insert the Healing Screw into the implant and tighten with only light finger force or with torque 10 Ncm.

IMPRESSION COMPONENTS

PULL-OFF IMPRESSION TRANSFER (CLOSED TRAY TECHNIQUE)

Place the plastic transfer by pressure-fitted into the implant hexagon and make some little moments to check the correct position of the transfer (Fig. 1).
Prepare a standard impression tray and Inject elastomeric impression material around the Implant Transfer and into the impression tray (Fig. 2).
Once the material is solid, remove the impression and pressure-fitted the Analogue into the impresion model (Fig. 3).

Fig. 1

Fig. 2

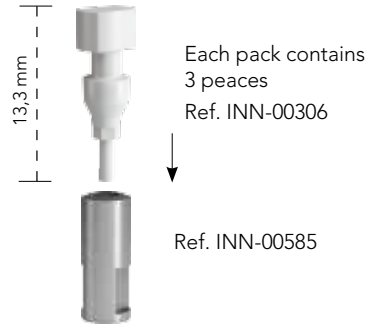


Fig. 3

NOTE:
It is important to use a tear resistant material.

FACILITY TRANSFER (CLOSED TRAY TECHNIQUE)

Place the transfer impression inside the implant and make sure the internal hex is correctly engaged before tightening with Hexagon screw driver using light finger force. After that place correctly the plastic cap on the transfer (Fig. 1).
Prepare a standard impression tray and Inject elastomeric impression material around the Implant Transfer and into the impression tray (Fig. 2).
Once the material is solid, remove the impression and take out the impression copings to attach the analogue and correctly reposition into the impression model (Fig. 3).

Fig. 1

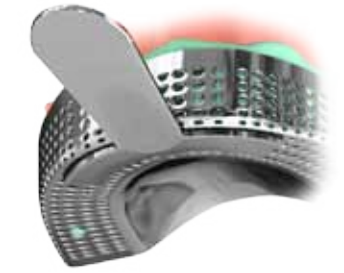


Fig. 2

PLASTIC CUP
Ref. INN-00507

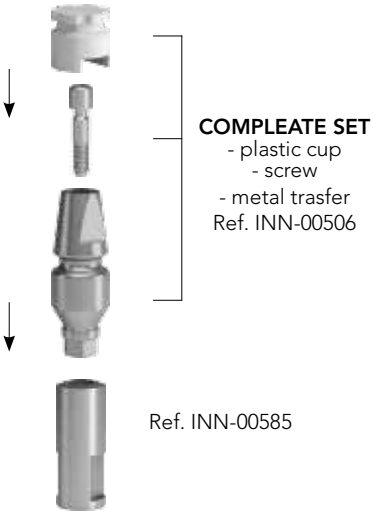


Fig. 3

OPEN TRAY TRANSFER (OPEN TRAY TECHNIQUE)

Place the transfer impression inside the implant and make sure the internal hex is correctly engaged before tightening the screw using light finger force. (Fig. 1).
Prepare a customized impression tray and Inject elastomeric impression material around the Implant Transfer and into the impression tray. (fig 2)
Tighten the Implant Transfer securely into the Implant Analogue using light finger force (fig. 3).

Fig. 1

Fig. 2

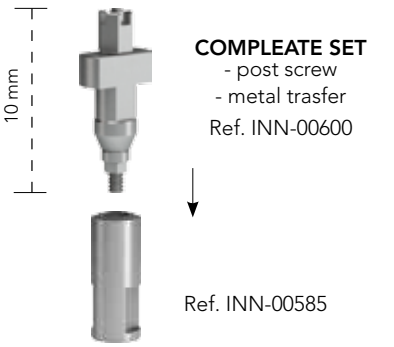


Fig. 3

PROSTHETIC COMPONENTS

CEMENT-RETEINED AND SCREW-RETEINED RESTORATIONS

Analysis of pre-implant allows you to choose between the different prosthetic options.
The bonevolume available, occlusion, prosthetic needs and requests of the patient's choices aesthetics of the prosthesis.

CEMENT-RETAINED RESTORATION

The cemented implant is defined as an intermediate elements of cementedprosthesis (false stumps) screwed directly on the plants

advantages:
- Improved aesthetics due to compliance with the profile of emergency phone
- The concrete sealant facilitates the passivation structure.
- Easy balancing occlusal

disadvantages
- Difficulty in removal of the prosthesis
- Risk that the concrete comes out below the gum line

SCREW-RETAINED RESTORATION

The prosthesis is screwed on implants defined as a prosthetic screw edintermediate elements (pillars), in turn, screwed directly on the plants

advantages:
- Easy disassembly of the prosthesis
- Connecting with pillars anatomical
- No use of sealants, cements

disadvantages
- Profile emergency anatomical sometimes difficult to achieve
- Projection of the screws on the occlusal surface
- Difficult to control the liability

TRY-INN KIT ABUTMENTS

(Plastic product)

Try-INN Kit Abutments Helps the dental technician select the most suitable abutment, based on the inclination and the transmucosal height of the implant that has been inserted.

Turn the plastic kit up side down tho read the corrisponding ø 5 titanium aboutment

CHARACTERISTICS

- Simple;
- Color-coded and well-marked on the holder and easily readable PLANNING abutments;
- Comprehensive PLANNING set containing all PLANNING abutments arranged clearly;
- Easy handling thanks to the plastic holder;
- Proper seating of PLANNING abutments verified through the clear-cut response from, the prosthetic connection;
- PLANNING abutments fabricated of sterilizable polymer material.

Turn the plastic kit to read the Titanium Abutment corresponding codes

NOTE

Be sure to clean and sterilize the planning abutments following intra-oral use.
Do not sterilize the PLANNING abutment cassette.

Anatonical STRAIGHT ABUTMENTS

Ref. PC107.01/1

Ref. PC107.01/2

Ref. PC107.01/3

15° ANGLED ABUTMENTS

Ref. PC107.02/1

Ref. PC107.02/2

Ref. PC107.02/3

25° ANGLED ABUTMENTS

Ref. PC107.03/1

Ref. PC107.03/2

Ref. PC107.03/3

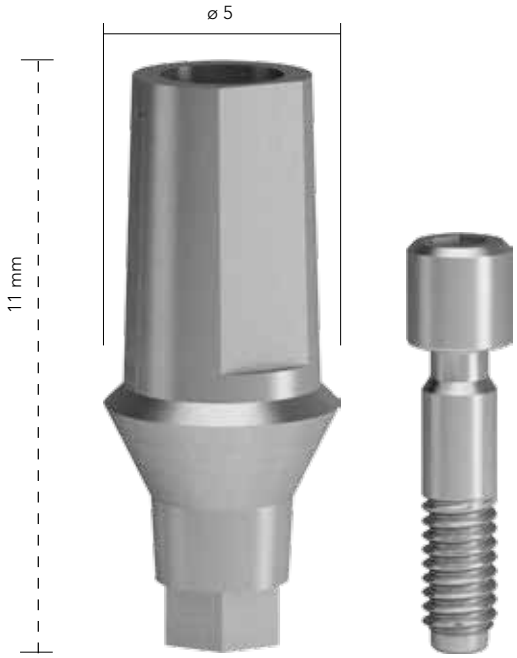
TITANIUM ABUTMENTS (cement-retained restoration)

Prosthetic abutments are titanium components that are fixed to the dental implant using prosthetic screws to create a prosthetic anchorage.

STRAIGHT ABUTMENTS

Straight abutment is designed to meet the clinicians' demands for conventional crown and bridge procedures and restorative simplicity. They are available in 2 different diameters profile:
- Ø 5 indicated for anterior area
- Ø 6 indicated for posterior area

and 3 heights (H. 1 , H. 2 H. 3 mm) according to the gingival , mimicking optimal preparations of natural teeth, which provides the opportunity to create esthetics for all tooth



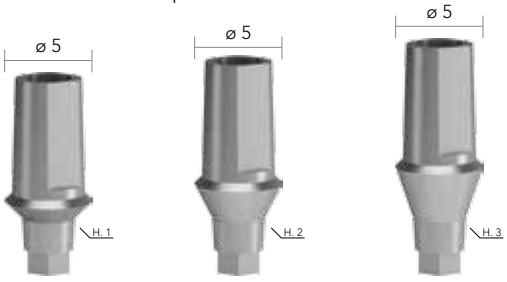
PROSTETIC SCREW
Ref. INN-6050

TIGHTENING:

the prostetic screw using the 1.25 Hex Screwdriver and Torque Wrench. Recommended torques for final seating 25 Ncm

Ø 5 STRAIGHT ABUTMENTS

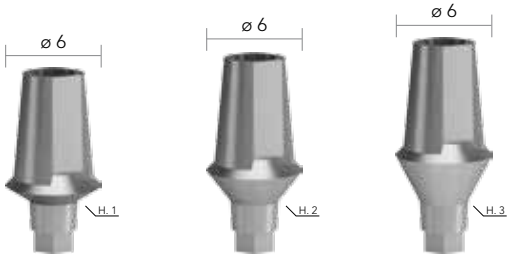
Complete with Prostetic Screw



Ref. INN-2000 Ref. INN-2001 Ref. INN-2002

Ø 6 STRAIGHT ABUTMENTS

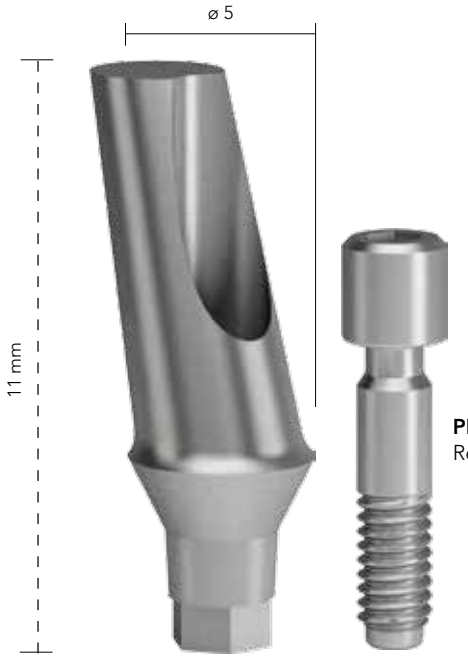
Complete with Prostetic Screw



Ref. INN-2030 Ref. INN-2031 Ref. INN-2032

ANGLED ABUTMENTS

15° / 25° Angled abutment version to meet more demanding implant angulations.
They are available in 2 different diameters profile:
- Ø 5 indicated for anterior area
- Ø 6 indicated for posterior area
and 3 heights (H. 1 , H. 2 H. 3 mm) according to the gingival , mimicking optimal preparations of natural teeth, which provides the opportunity to create esthetics for all tooth



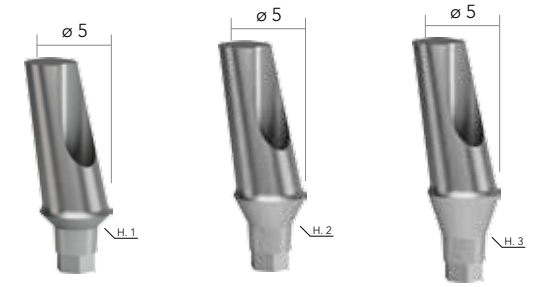
PROSTETIC SCREW
Ref. INN-6050

TIGHTENING:

the prostetic screw using the 1.25 Hex Screwdriver and Torque Wrench. Recommended torques for final seating 25 Ncm

15° ANGLED ABUTMENTS Ø 5

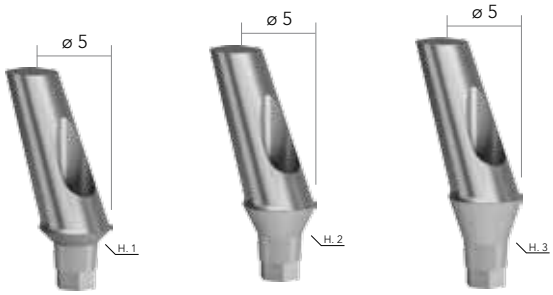
Complete with Prostetic Screw



Ref. INN-2015 Ref. INN-2016 Ref. INN-2017

25° ANGLED ABUTMENTS Ø 5

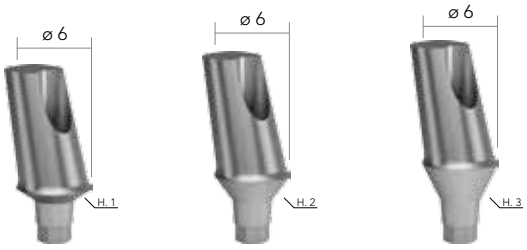
Complete with Prostetic Screw



Ref. INN-2025 Ref. INN-2026 Ref. INN-2027

15° ANGLED ABUTMENTS Ø 6

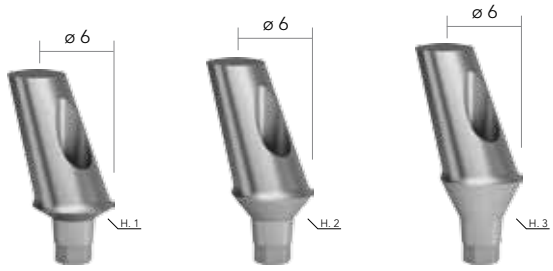
Complete with Prostetic Screw



Ref. INN-2065 Ref. INN-2066 Ref. INN-2067

25° ANGLED ABUTMENTS Ø 6

Complete with Prostetic Screw



Ref. INN-2075 Ref. INN-2076 Ref. INN-2077

TEMPORARY ABUTMENTS (cement-retained restoration)

FIBRE-GLASS ABUTMENT

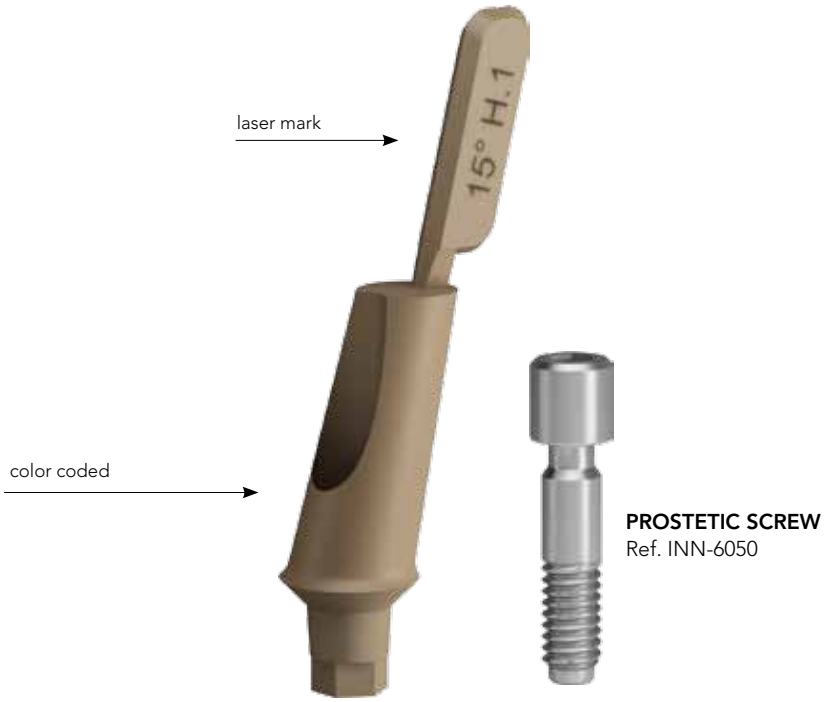
The fibre-Glass Abutment has been designed as temporary abutment
easily customized chairside by the clinician or in the laboratory
by the dental technician.

INTENDED USE

- Immediate loading in anterior area out of occlusion
- Individual soft tissue management for esthetic cases
- Screw-or cement-retained temporary crowns
- Cement-retained temporary bridges

CHARACTERISTICS

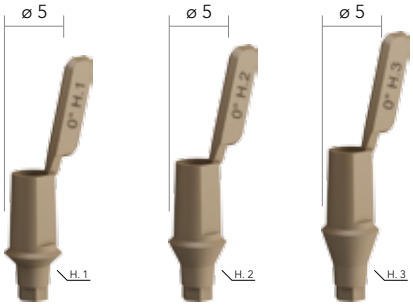
- Fibre-glass material allows for easy and quick chair-side modification
- Easy-to-achieve aesthetics due to tooth-colored and metal free
- Available in 3 different angulations (0°, 15° and 25°) and 3 different heights (H.1, H.2 , H.3) for any different angulations, which minimize the need for abutment customized.



PROSTETIC SCREW
Ref. INN-6050

fibre-glass ø 5 STRAIGHT ABUTMENTS

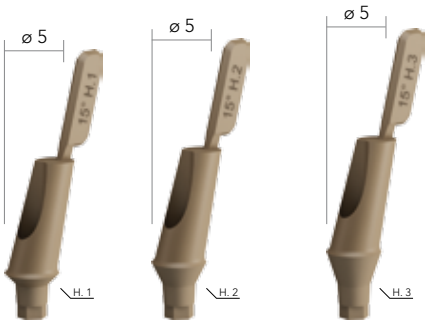
Complete with Prostetic Screw



BL-10704/1 BL-10704/2 BL-10704/3

fibre-glass 15° ANGLED ABUTMENTS

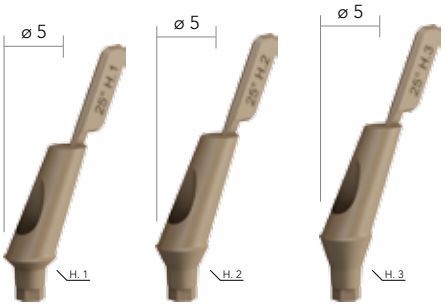
Complete with Prostetic Screw



BL-10705/1 BL-10705/2 BL-10705/3

fibre-glass 25° ANGLED ABUTMENTS

Complete with Prostetic Screw

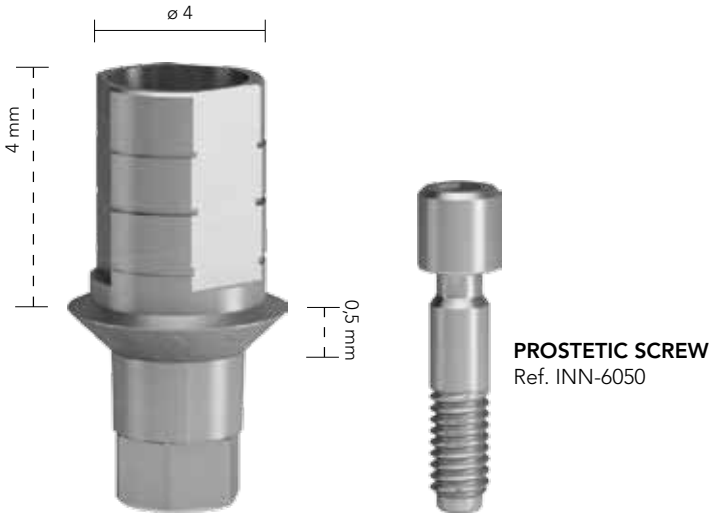


BL-10706/1 BL-10706/2 BL-10706/3

MULTI-SCAN ABUTMENT (cement-retained restoration)

MULTI-SCAN ABUTMENTS

are used to fabricate a fully patient-customized abutment through the realization of a customized part to be bonded on the central portion of the abutment. Use NIMETIC CEM (3M Espe), PANAVIA 21 (Kuraray Medical Inc.) adhesive materials for bonding.
The customized abutment portion can be performed under the following options



Ref. INN-00652

PROSTETIC SCREW
Ref. INN-6050

TIGHTENING:

the prostetic screw using the 1.25 Hex Screwdriver and Torque Wrench. Recommended torques for final seating 25 Ncm

WITH CAD/CAM

technology by taking a scan of the seated abutment on the dental cast and modelling of the customized abutment portion with a specific software.
The fabrication is performed in the laboratory with a specific Computer-Assisted Machine or by a specialized production centre upon the receipt of the data file;

WITH THE TRADITIONAL METHOD

by using a pre-fabricated burn-out coping placed on the abutment, adjustment and modelling with wax and/or acrylic and fabrication of the customized abutment portion through casting.

ZIRCONIUM ABUTMENTS (cement-retained restoration)

The special two-part design of the zirconium abutment consists of a titanium base and zirconium abutment in various inclinations. And provides a natural looking base for an all ceramic, cemented-retained crown in the esthetic zone.

INTENDED USE

Restorations in the esthetic zone.

CHARACTERISTICS

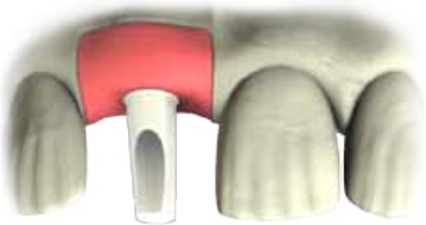
Made from White Zirconium oxide they provide a more natural color for the abutment in esthetic the zone.

Reliable.

Esthetic - Light passage allows for natural tooth appearance.
Strong - Interfaced base-abutment connection provides strength and stability.
Precise - Hight precision connection between implant and titanium base.
Easy to use – Anatomical design minimizes the need for abutment customized.

ZIRCONIUM STRAIGHT ABUTMENT
Ref. BL-4525-ZO

ZIRCONIUM 15 ANGLED ABUTMENT
Ref. BL-1543-ZO



Fitting the abutment in the model.

Modelling of of the abutment.

Placement of the restoration.

MULTI-USE ABUTMENT (screw-retained restoration)

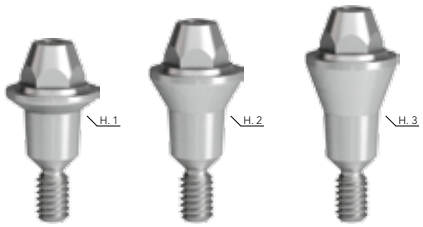
INTENDED USE:

- Prosthesis hybrid prosthesis or bridges,
- Toronto Bridge
- Bar-retained overdentures.

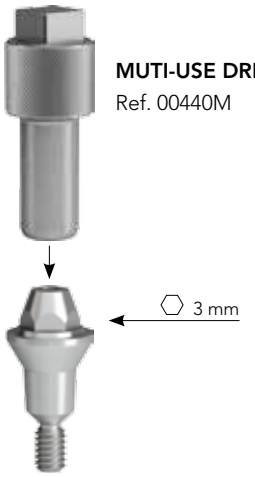
STRAIGHT MULTI-USE ABUTMENT

The Straight Multi-use abutment have a conical top with an external exagone, that allows tightening it by means of a Muti-use driver (manual or ratchet connection)

STRAIGHT ABUTMENTS



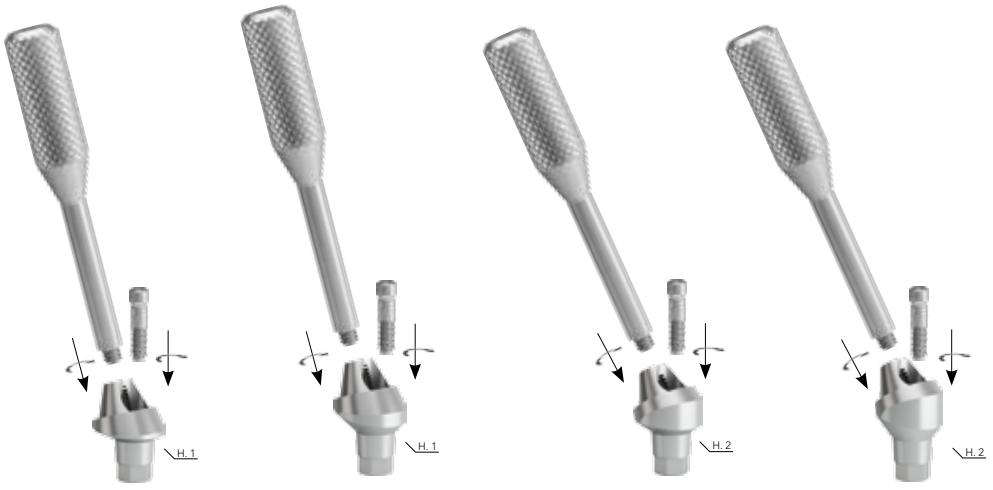
Ref. INN-4750/1 | Ref. INN-4750/2 | Ref. INN-4750/3



MUTI-USE DRIVER
Ref. 00440M

ANGLED MULTI-USE ABUTMENTS

The 17 and 30 degrees Angled Multi-use abutments help achieve parallelism for non-parallel implants. They can be connected easily by means of its preassembled transporter. The package includes an angled abut, fixation screw and the tansporter.



Ref. INN-1760/1 | Ref. INN-1750/2 | Ref. INN-3050/1 | Ref. INN-3050/2

17° ANGLED ABUTMENTS | **30° ANGLED ABUTMENTS**

SURGICAL COMPONENTS

CLOSED TRAY IMPRESSION FOR MULTI-USE ABUTMENT

Place the impression copings on the Multi-use abutments (Fig. 1).
Inject impression material and take the impression (Fig. 2).
Once the material is solid, remove the impression and take out the impression copings to attach the replicas and correctly reposition into the cast (Fig. 3).

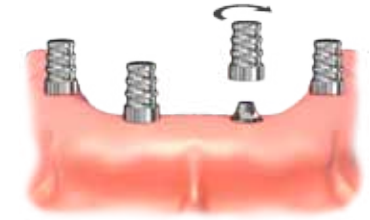
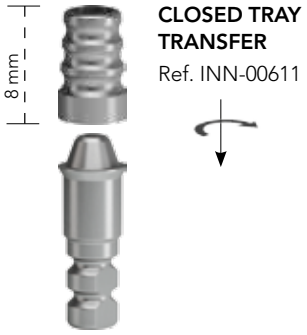


Fig. 1

Fig. 2



CLOSED TRAY TRANSFER
Ref. INN-00611

Fig. 3

OPEN TRAY IMPRESSION FOR MULTI-USE ABUTMENT

Place the impression copings on the Multi-use abutments (Fig. 1).
Inject impression material around the impression copings and inside the impression tray.
Position the tray in the mouth and ensure that you see all the guide screws of the impression copings emerge (Fig. 2).
Once the material is solid, unscrew the guide screws to withdraw the impression copings along with the impression (Fig. 3).

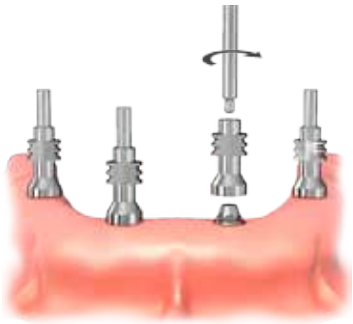


Fig. 1

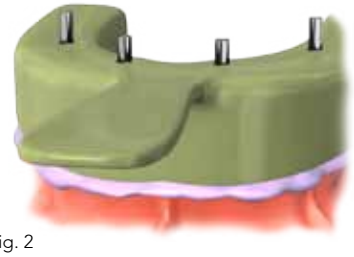
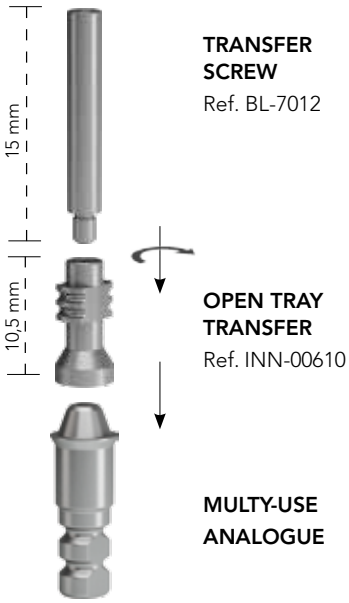


Fig. 2



TRANSFER SCREW
Ref. BL-7012

OPEN TRAY TRANSFER
Ref. INN-00610

MULTY-USE ANALOGUE

Fig. 3

HEALING CAP SCREW

Screw onto the abtments the healing cap screws so as to keep the soft tissue in place until the final prosthesis is completed (Fig. 1).

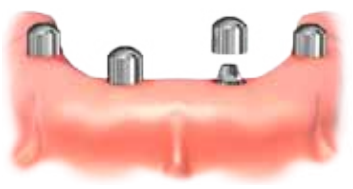


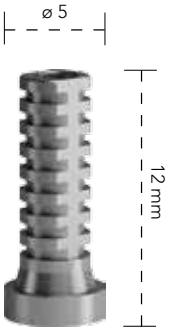
Fig. 1

HEALING CAP SCREW
Ref. INN-6030

PROSTETIC ABUTMENT (screw-retained restoration)

BURN-OUT CYLINDER

Complete of "connecting screw",
It is suitable for the realization of milled bars or screw-retained prosthesis (Fig. 1).
Simplify the preparation of the definite metallic framework which can be obtained by a casting process (Fig. 2) using a metallic alloy at technician's option (Fig. 3).



TEMPORARY ABUTMENT
Ref. INN-5145

Fig. 1

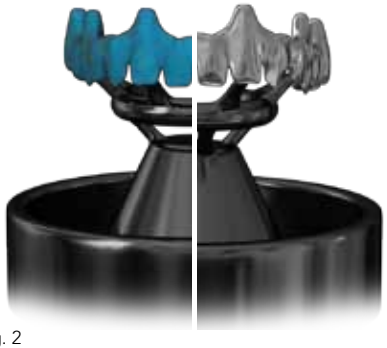


Fig. 2

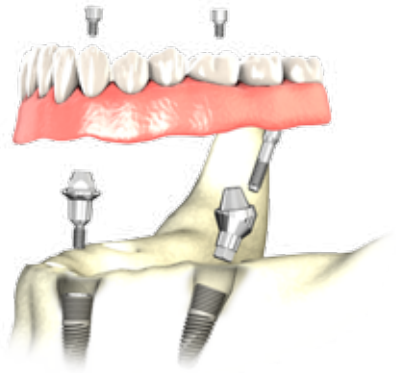


Fig. 3

CASTABLE ABUTMENT
Ref. INN-6051

CASTABLE ABUTMENT
Ref. INN-5145

MULTY-USE ANALOGUE
The Multy-use analogue replicates the critical dimensions of the abutment.
It allows for correct position and orientation of the abutment in the working model.

ATTACHMENT-RETAINED RESTORATIONS

ATTACHMENT-RETAINED RESTORATIONS

There are several indications for overdenture treatment in connection with implant therapy. Functional, esthetic, phonetic and hygienic requirements in certain clinical situations support the use of the overdenture as a treatment option

INDICATIONS FOR OVERDENTURE TREATMENT

- An unfavorable jaw relation which makes treatment with a fixed bridge restoration difficult
- Esthetic problems, e.g. the need for lip support in the upper jaw
- Phonetic problems due to loss of alveolar bone in the upper jaw
- Patient dissatisfaction with removable denture due to oral irritations and/or loss of bone for denture fixation
- A bridge option makes satisfactory oral hygiene impossible or extremely difficult to achieve
- Edentulous patients with a cleft palate
- Economic constraints

ABUTMENTS DESIGNED FOR ATTACHMENT-RETAINED RESTORATIONS

Ball Abutment

- Designed to accommodate the maximum denture-bearing area
- Eliminates wear on the implant ball abutment and minimizes the need for maintenance
- Available in multiple retention options and replaceable

EQUATOR ABUTMENT

- Designed to accommodate the maximum denture-baring area
- Self-aligning design with exceptional durability
- Available in multiple vertical height options starting as low as 2.0 mm
- Available in multiple retention options and replaceable
- Up to 40° angle correction

BAR SYSTEM

The design offers flexibility in the clinical situation for implants placed in non-parallel situations by maintaining an axis of withdrawal for implants converging or diverging up to angles of 90°

EQUATOR ANCHOR SYSTEM

COMPLETE SET INCLUDES:

1 Anchor abutment
(Ref. BL-8994 / BL-8995 / BL-8996)
1 Stainless steel housings
(Ref.141CAE)
1 Retentive caps - violet "strong"
(Ref. 140CEV)
1 Retentive caps - white "standard"
(Ref. 140CET)
1 Retentive caps - pink "soft"
(Ref. 140CER)
1 Retentive caps - yellow "extra-soft"
(Ref. 140CEG)

BL-8994 BL-8995 BL-8996 BL-8997 BL-8998

CAPS WITH METAL HOUSING

141CAE: 2 Stainless steel housings
140CEV: 4 Retentive caps - violet "strong" (2.7kg)
140CET: 4 Retentive caps - white "standard" (1.8kg)
140CER: 4 Retentive caps - pink "soft" (1.2kg)
140CEG: 4 Retentive caps - yellow "extra-soft" (0.6kg)

141CAE 140CEV 140CET 140CER 140CEG

LABORATORY ACCESSORIES

4 PROCESSING CAPS - BLACK
Ref. 140CEN

2 IMPRESSION COPING
Ref. 144MTE

2 LABORATORY ANALOG
Ref. 144AE

PULL-OFF IMPRESSION COPING
Ref. 044CAIN

SURGICAL INSTRUMENTS

1 BLUE PLASTIC "MULTIUSE" INSERTION TOOL
Ref. 124ICP
1 METAL INSERTION TOOL FOR CAPS
Ref. 185IAC

1 SQUARE DRIVER CONNECTOR FOR TORQUE
Ref. 760CE

1 OT-EQUATOR SQUARE SCREW DRIVER FOR IMPLANT ABUTMENT (SQUARE 1,25MM)
Ref. 774CQ

SPHERICAL ANCHOR SYSTEM

O-ring anchors or o-ring titanium housing can be used for the ø 1.8

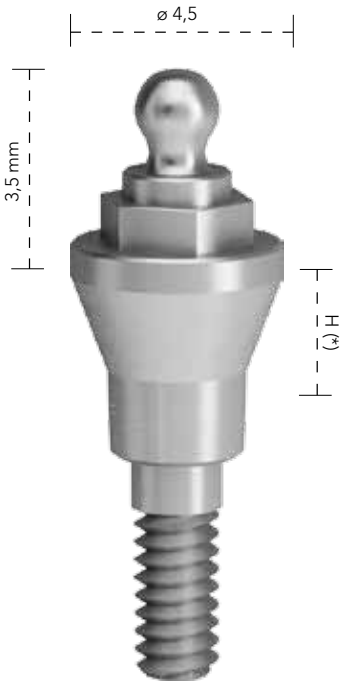
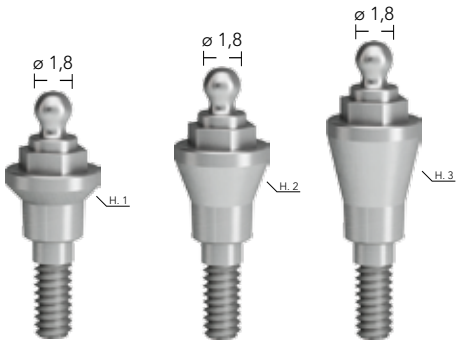


Fig. 1



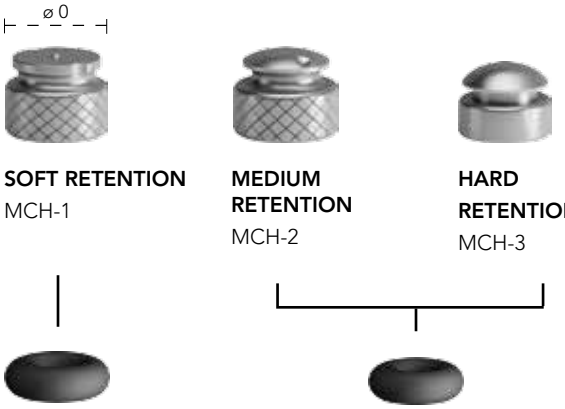
Ref. INN-1040 Ref. INN-1041 Ref. INN-1042

Fig. 1

Fig. 2

METAL HOUSING

The metal housings are available in three different retentions, achieved by using the appropriate silicon O-ring and metal housing.



SOFT RETENTION
MCH-1

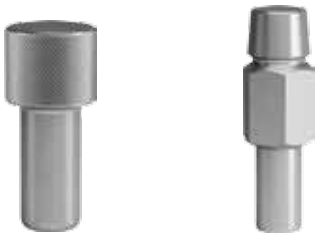
MEDIUM RETENTION
MCH-2

HARD RETENTION
MCH-3

O-RING
MC-3005B

O-RING
CT-0551

SPHERICAL ANALOG
Ref. INN-00621



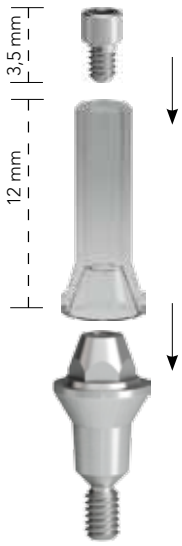
SPHERICAL SCREW DRIVERS

MANUAL
Ref. 00440M

RATCHET
Ref. INN-00637

BAR SYSTEM

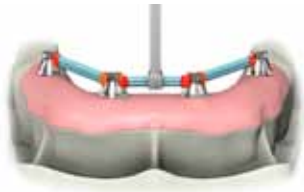
NOTA: The following components should be utilized with "Multy-use Abutment"



CASTABLE ABUTMENT
Ref. INN-6051

CASTABLE ABUTMENT
Ref. INN-5145

STEP 2 - Make height adaptations according to the individual situation.

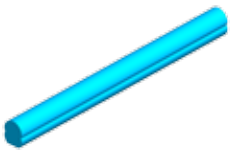


STEP 3 - Use a residue-free burn-out plastic to fix the bar segments to the castable abutments.

STEP 4 - The yellow clips(027CRG) are fixed into the prosthesis.

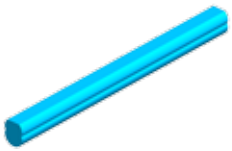
OT BAR

It is a bar with two different shaped surfaces, one is flat and the other is rounded, either side can be utilized, the choice will depend upon the situation.



CASTABLE BAR
version A
Ref. 0220BB (2 pcs.)

GINGIVAL CONNECTOR
(OPTIONAL)



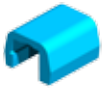
CASTABLE BAR
version B
Ref. 0220BB (2 pcs.)

PLASTIC CLIP

The housing in the casting that holds the retention CLIP is calculated with a tolerance at the opening that permits a lasting functionality to the retention CLIP.

POSITIONING
clip A
Ref: 023CPA
(4 pcs.)

POSITIONING
CLIP B
Ref: 02CPB
(4 pcs.)



CASTABLE BOX
Ref: 025CPB
(4 pcs.)

MEDIUM
RETENTION
Ref. 027CRG
(4 pcs.)

SOFT
RETENTION
Ref. 027CRR
(4 pcs.)

INSTRUMENTS

TOOL FOR INSERTING CLIP
Ref: 029OIC

KEY FOR PARALLELOMETER
Ref: 028OCP

MINI DURAVIT IMPLANT

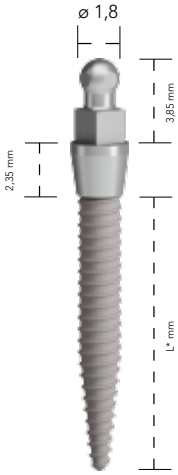
B. & B.Dental's mini duravit dental implant system is minimally invasive and immediately stabilizes loose dentures using a 90-minute patented protocol, often completed without a flap and sometimes even using the patient's existing denture.
Mini Duravit Implants are designed for stability in soft and dense bone which is essential for immediate loading. Attachment designs are available for custom retention for each case with three retention options as well as attachment designs that forgive up to 30 degrees divergence between two implants with no need for an angle correction inventory. Original retention can be restored in minutes by simply changing o-rings

CHARACTERISTICS:

- Made of 5g MEDICAL titanium;
- Sandblasted and oxidised to increase the contact surface;
- Self-threading spirals for better insertion and primary stability of the implant
- Each implant is packed together with the implant carrier which enables manual positioning without contamination risks.
- It is available in 2 diameters (2,0 – 2.4) and 3 lengths (10 - 13 – 15)

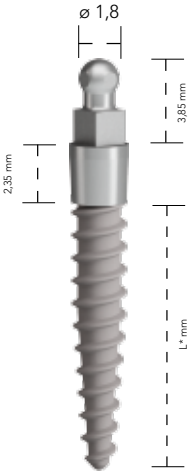
O-BALL MINI DURAVIT IMPLANT

Mini Implant line is the solution for immediate and long-term stabilization of a removable prosthesis.
This implant produces a high primary stability with immediate functionality.
This device requires a simple surgical procedure. It is possible to create the site with or without creating a flap



Ref. ø 2,0

L. 10 MD/20/10
L. 13 MD/20/13
L. 15 MD/20/15

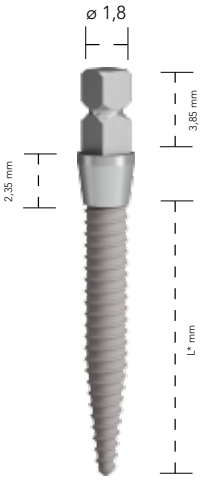


Ref. ø 2,4

L. 10 MD/24/10
L. 13 MD/24/13
L. 15 MD/24/15

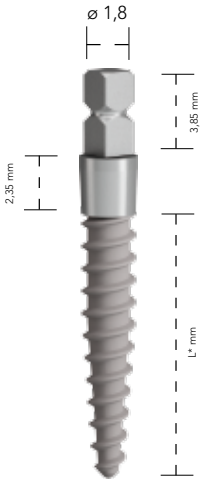
ABUTMENT MINI IMPLANT

This implant produces a high primary stability with immediate functionality.
It should be used in anterior sites to replace laterals, cuspids and bicuspids.
This implant produces a high primary stability with immediate functionality.
This device requires a simple surgical procedure. It is possible to create the site with or without creating a flap.



Ref. ø 2,0

L. 10 MA/20/10
L. 13 MA/20/13
L. 15 MA/20/15



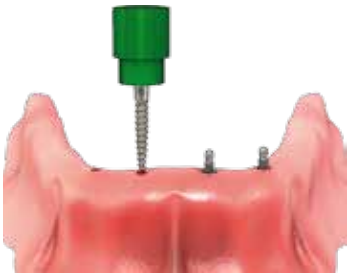
Ref. ø 2,4

L. 10 MA/24/10
L. 13 MA/24/13
L. 15 MA/24/15

SURGICAL PROTOCOL

① 

Mark each entry point on patient's tissue and with Pilot Drill 1.1 pumped up and down until the cortical plate is penetrated.

② 

Carry the implant to the site with the plastic plug and scew it inside until noticeable bony resistance is encountered.

③ 

Use the Butterfly Key to thread the implant into place until the wrench becomes difficult to turn.

④ 

Torque Wrench and implant diver will then finalize the insertion process

⑤ 

Relieve denture to accommodate implants and metal housings, creating individual holes or a trough

⑥ 

Seat denture in patient's mouth and have patient apply normal bite pressure in centric occlusion.

SURGICAL COMPONENTS

COMPLETE PLASTIC BOX (STERILIZZABLE) CONTAINS:

- BUTTERFLY KEY
Ref. MD-3002
- PREPARATION DRILL Ø1.5
Ref. MD-3001
- PREPARATION DRILL Ø 2.1
Ref. MD-3001/20
- KEY FOR TORQUET RATCHET
long: MD-3003S,
short MD-3003L
- TORQUET RATCHET
Ref. 00376DIN

Ref. 00075SC

PROSTETIC COMPONENTS

COLLARED O-BALL

SQUARE HEAD

MC-3007
Collared Analog

MC-1007
Collared Square Head Analog

O-BALL CAPS

MC-3013
Temp Cap

MC-3014
Transfer Cap

STRAIGHT ABUTMENT

MC-3010

SQUARE HEAD CAPS

MC-3006
Castable

PCV PROTECTION

MC-3008

CAPS

MCH-1
Soft Retention

MCH-2
Medium Retention

MCH-3
Hard Retention

MC-3005B
O-ring (5 pieces)

MC-3005
O-ring (5 pieces)

MATERIAL FOR BONE REGENERATION

B&B Dental bone substitutes for dentistry represent a range of products able to provide an efficient response to all demands for bone regeneration encountered in clinical practice on a daily basis: from small parodontal defects to large-scale reconstruction of atrophic ridges.

These options are very easy to apply, and extremely useful in filling parodontal defects and raising the sinus according to Summers. To fill limited cavities, such as post-extraction alveoli, granule formulae are also available in malleable collagen paste, which also perform a useful haemostatic effect.

B&B Dental also proposes an exclusive range, unique worldwide, of flexible bone substitutes obtained by means of a partial demineralisation process.

The advantage of the flexibility lies in the perfect contact obtained between graft and receiving bone bed. In this way, the probability of failure due to defective angiogenesis, is minimised.

Flexible, cortical and spongy bone lamina are therefore available, whose main use is in on-lay grafts.

In order to avoid invasion of the grafted site by soft tissues, B&B Dental provides dentistry with easily-handled re-absorbable collagen membranes, and the innovative Titanium membrane that simplifies graft protection. This is particularly useful for minor defects where the shape of the traditional collagen membrane would take up a disproportionate amount of time.

A specific slow re-absorption membrane is also available in flexible cortical bone, which does not require removal and is particularly useful for protecting larger grafts (lateral or vertical on-lay).

NOVOBONE

Novobone is a highly reliable, dimensional stable, purified natural equine bone grafting material.

PROPERTIES

- natural bovine bone grafting material
- slow resorption and directed integration by new bone formation
- long-term dimensional stability
- osteoconductive
- 100% pure bone mineral
- no foreign body or inflammatory reaction
- hydrophilic surface, optimal cell adhesion and blood absorption
- interconnective porosity
- safe and sterile
- easy handling

INDICATIONS: IMPLANTOLOGY, PERIODONTOLOGY & ORAL SURGERY

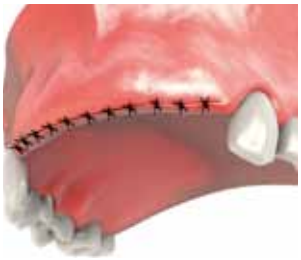
- Sinus lift
- Horizontal augmentation
- Intraosseous defects
- Peri-implant defects
- Extraction sockets
- Vertical augmentation
- Furcation defects

1510
0.5-1.0m - 1x0.5cc (ml)

Implants in situ

Filling with Novocor Plus® granules

Resorbable collagen membrane



Flap suture

T-BARRIER MEMBRANES

COLLAGENE MEMBRANE

T-Barrier Collagene is a type-1 native heterologous equine collagen indicated for use in guided tissue regeneration procedures to enhance wound healing.

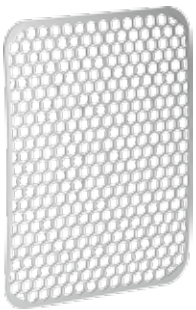
ADVANTAGES

- Perfect biocompatibility
- Complete resorption after 4/6 mouths
- Osteoconductive and osteoinductive activity
- Anti-inflammatory, eutrophic and cicatrizant properties
- Easy to apply on the defect area.

CLINICAL APPLICATIONS

Oral surgery: containment action (tent effect) for heterologous and autologous grafts;
Paradontology: treatment of gum recessions;
Implantology: protection of the sinus membrane prior to insertion of graft material.

TITANIUM MEMBRANES



00532
24 x 29 mm - ø 0,13

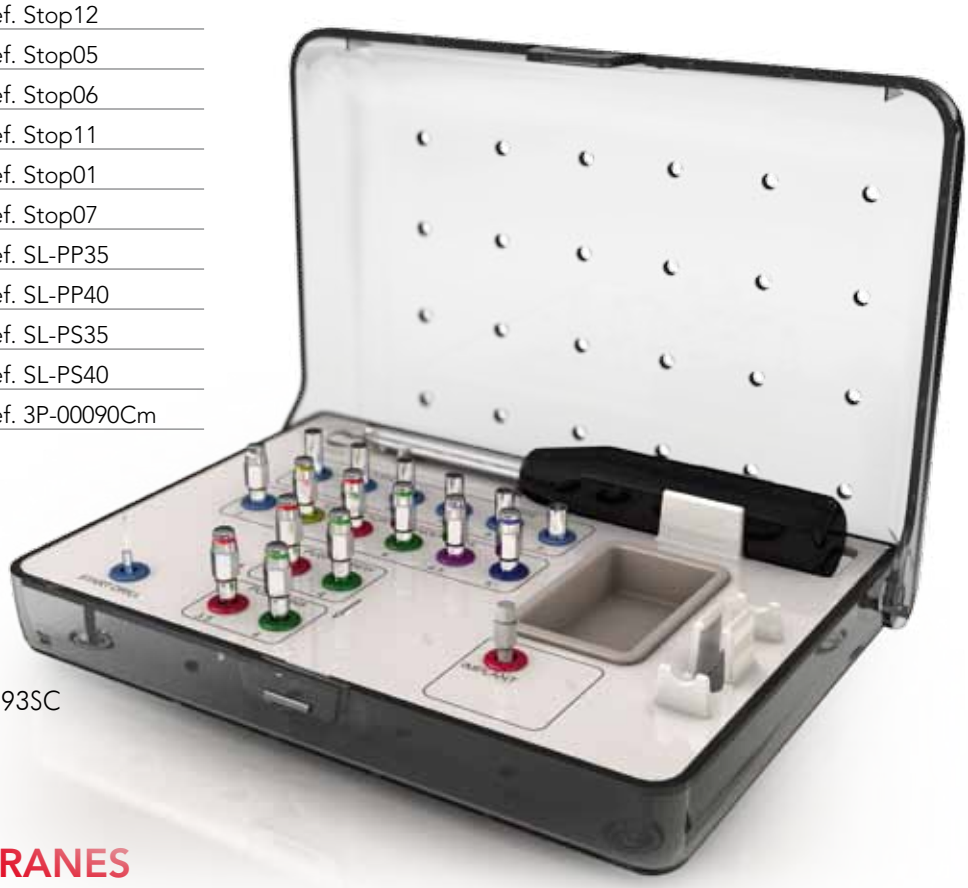
00532/3
12 x 19 mm - ø 0,13

00532/4
20 x 14 mm - ø 0,13

00532/5
17 x 20 mm - ø 0,13

DURAVIT CRESTAL SINUS LIFT

Lance Drill	Ref. 147-021
Compactor-Expander Ø 2.2	Ref. 201-3p
Compactor-Expander Ø 3	Ref. 281-3p
Compactor-Expander Ø 3.5	Ref. 331-3p
Compactor-Expander Ø 4	Ref. 381-3p
Compactor-Expander Ø 4.5	Ref. 431-3p
Compactor-Expander Ø 5	Ref. 481-3p
Metal Stop L. 4 Mm	Ref. Stop12
Metal Stop L. 5 Mm	Ref. Stop05
Metal Stop L. 6 Mm	Ref. Stop06
Metal Stop L. 7 Mm	Ref. Stop11
Metal Stop L. 8 Mm	Ref. Stop01
Metal Stop L. 9 Mm	Ref. Stop07
Push pin Ø 3.5	Ref. SL-PP35
Push pin Ø 4	Ref. SL-PP40
Push Screw Ø 3.5	Ref. SL-PS35
Push Screw Ø 4	Ref. SL-PS40
Straight Manual Key	Ref. 3P-00090Cm



Ref. 3P-00093SC

SAFETY IMPLANT MEMBRANES

00532/1
18 x 8 mm - ø 0,13

00532/2
21 x 7 mm - ø 0,13

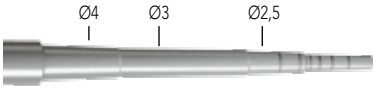
BLOCKING SCREW

OSTEOTOMES

Ref. 00443-1 osteotome n.1

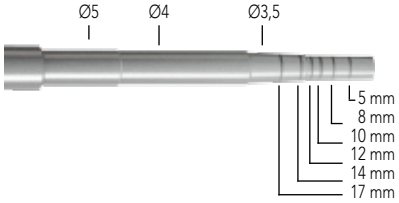
Ref. 00443-2 osteotome n.2

Ref. 00443-3 osteotome n.3



Ref. 00443-4 osteotome n.4

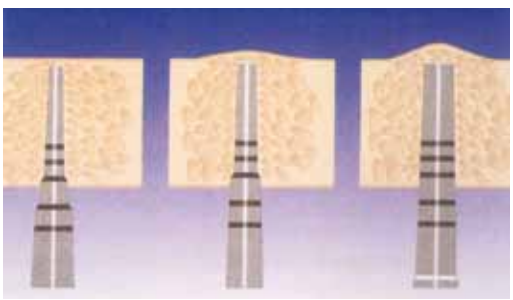
Ref. 00443-5 osteotome n.5



HAMMER
Ref. 1881

Ref. S2772-1B (Empty Box)
Ref. 00443-0 (Full Box)

IMPLANT SITE PREPARATION



PHYSIODISPENSER 3000

PHYSIO DISPENSER 3000 is the result of 10 years' experience in the design and development of electro-medical apparatus for implantology. High performance combined with extreme simplicity, and provided with a new-concept pedal that represents an absolute novelty.

CHARACTERISTICS

- Motor speed from 3 to 125000 RPM
- N° 6 Reduction/Moltiplication of the contra angle (1:5, 1:1, 16:1, 20:1, 64:1, 70:1)
- N° 5 Memories
- 24 torque values. MAX value indicates the maximum torque without limitation.
- N° 3 defferent choises of cooling liquid flows: 60, 80, 110 ml/min

Ref. PD3000

COMPLETE WITH

- Peristaltic pump
- Multifunction Pedal , pump flow, forward/reverse, program and motor action.
- N° 2 irrigation tube
- Reduction cotra-angle 20.1

1. Selects the program
2. forward/reverse
3. Turns on the motor with progressive action.
4. Sets the peristaltic pump flow

ACCESSORIES

CARRYING CASE - PD106
53 x 37 x 13 cm, weighs 750 g.

TUBE - PD107

CONTRA-ANGLE 20.1
0020/1CA

kit di vendita
fare 4 foto

B&B DENTAL
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Certified Quality System
UNI EN ISO 13485