









PRODUCT CATALOG



B&B DENTAL
implant company

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B&B DENTAL
implant company



B. & B. Dental S.r.l. is a leading Italian company in the field of oral implantology, specializing in the development of dental implants and bone regeneration materials. Over the years, high-quality implant prosthetic techniques and innovative materials have been created at very affordable prices.

Launched in 1992, B. & B. Dental has its registered offices at Via San Benedetto, 1847, 40018 San Pietro in Casale, near Bologna, northern Italy. This launch was almost immediately followed by the company's first patent, for a dental implant called DURAVIT. Further resources were then invested for the patent for a bone regeneration material called NOVOCOR PLUS.

Innovation lies at the heart of B. & B. Dental's approach.

B. & B. Dental's products are designed by dentists for dentists, with the support of experienced engineers in implantology. Innovation is our primary philosophy and our products and technologies are constantly developed and improved in order to better satisfy our customers' needs and to ensure that every patient's mouth and smile can be restored.

In 2007 our engineers developed the new CONEXA connection, which reduces loosening of the prosthetic screws and bacterial colonization around the implant collar, setting the scene for the arrival of a second generation of implants, called DURAVIT INN.

Our third generation of implants, 3P, WIDE and Ø 3, came out in 2010 and introduced the triple-thread groove, which significantly reduces implant-placement and osseointegration times, regardless of bone density. The next designs were the EV and SLIM implants which, unlike their predecessors, have a deeper dual-thread groove for better primary stability, especially in spongy bone. The optimal self-tapping and self-drilling system makes placement easier and less traumatic while at the same time allowing bone condensation.

RESEARCH & DEVELOPMENT

Innovation lies at the heart of B. & B. Dental's approach.

Our products and technologies are constantly developed and improved in order to better satisfy our customers' needs and to ensure that every patient's mouth and smile can be restored.

Many years of experience in the field enables us to evaluate and innovate the design and functionality of our products and materials, as well as offering dentists a much broader range of products. We conduct extensive research and testing, not only within our own facilities, but also in conjunction with higher education institutions and universities, using the latest and most advanced technologies and techniques.

QUALITY & CONTROL

B. & B. Dental's regeneration products and materials are renowned for their high quality. Each step in the production process is continuously monitored by a sophisticated management system, which intervenes automatically in mid-process if there are any deviations from the set parameters. Quality control is based on a set of protocols known as SPC (Statistical Process Controls), in which the quantity and frequency of the controls

(according to the type of product) and the criteria for acceptability are determined. Sizing checks are carried out using the latest-generation three-dimensional measuring machines, which guarantee accuracy to within ± 0.005 mm (50 microns). Production quality complies with EN ISO 13485 and Directive 93/42/EEC for Medical Devices.

CUSTOMER SERVICE

Here at B. & B. Dental, we work hard to satisfy customer expectations, with a distribution network in no less than 60 countries. Sales and after-sales assistance is provided by experts from our technical and commercial staff, who are always on hand to answer any questions and give as much detail as the customer needs to help for choosing the right product for their own applications.

PRODUCTION

The production team is made up of highly-qualified engineers and certified mechanical technicians.

At B. & B. Dental, we use the latest-generation CNC bar lathes to produce our components. These high-precision machines are equipped with dynamic tool correction, which ensures that tolerances of ± 0.001 mm (1 micron) can be achieved.

All of the innovations introduced in the production stages any new product features are the result of continuous in-depth studies as well as of significant ongoing investments.

WAREHOUSE

Finished and semi-finished products are stored in automatic vertical-lift systems, which helps to rationalize space and enables operators to fulfil orders, fully assisted by computers. This means that standard orders are shipped within 48 hours to Italy and within 7 working days abroad.

TRAINING & PROFESSIONAL DEVELOPMENT

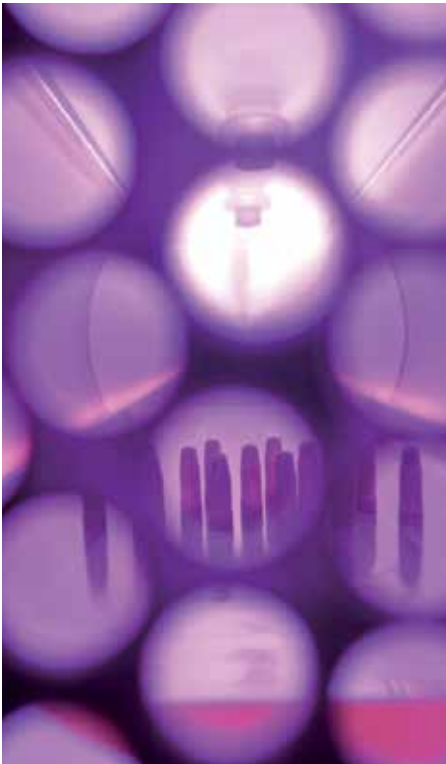
The experience of the dentists and dental technicians who work alongside us, combined with painstaking technical, planning and micro-mechanical research, have enabled us to achieve excellent results and to provide training courses of interest to all operators in the industry.

These courses, held both in Italy and abroad, are taught by implantology experts from various parts of the world. They illustrate and provide an opportunity to directly experience the wide range of prosthetic solutions offered by B. & B. Dental, which can be considered as a valuable and safe alternative to existing techniques that have been in use for many years. We can say all this with total confidence, backed up by the results of various studies and the careful checks that have been put in place.



SURFACE TREATMENT

B. & B. Dental S.r.l. are among the few companies in Italy that use technological high-level decontamination procedures. The cleaning of equipment surfaces is a complex task. Even using very pure cleaning solvents can still leave surface traces. It can happen that the few existing impurities or the solvent molecules themselves combine with the materials of an implant surface, especially in the case of reactive materials like metals. The ideal cleaning tool should be unable to react chemically with the material of the device and at the same time be very effective for removing contaminants. Argon plasma is the ideal material for this.



DOUBLE ACID TREATMENT

B. & B. Dental have developed an exclusive BioActive treatment with the support of international researchers with extensive experience in surface treatment processes. It guarantees an implant surface with micro-controlled roughness.

This is achieved in a double acidification treatment, called DAE (Double Acid Etching), which promotes the formation of surface oxide of constant thickness and resistant to removal.

BioActive treatment forms by subtraction a micro-controlled surface roughness of 2 micron, generating thus the maximum number of crestal peaks. This helps osteoblasts first to anchor on a cellular level and then to integrate into bone tissue, thus shortening osseointegration times.. Crucially, all the processes are carried out with machines that guarantee both surface homogeneity and long-term duration of specific implant characteristics. In addition, all decontamination processes and surface treatments are conducted under cleanroom conditions.



ARGON PLASMA TREATMENT

Argon plasma is an ideal cleaning tool that does not react chemically with the material of a device and at the same time is very efficient for removing all possible contaminants on an implant surface. The Argon gas is used inside a reactor, housed in a class 10000 clean room, ensuring the absence of all environmental contamination. It is transformed into a plasma comprising ions of heavy gases, which are bombarded onto the implant surface with the cleaning action deriving from the impact energy of these particles against any organic contaminants.

This means that the surface never comes into contact with solvents.

The final check for the effectiveness of the process is performed using sophisticated, dedicated analysis techniques. Each batch of implant screws is subjected to x-ray photoelectron spectroscopy (XPS or ESCA), a widely-used analysis technique for rough surfaces. This analysis provides information on the qualitative and quantitative chemical composition of the first nanometers of the surface material, which represents the layer that come into most direct contact with bone tissue.

EVALUATION OF SURFACE TOPOGRAPHY OF DURAVIT IMPLANTS TREATED WITH BIOACTIVE METHOD

THE AIM OF THIS WORK WAS THE EVALUATION OF THE SURFACE MORPHOLOGY OF DURAVIT IMPLANTS THROUGH A DOUBLE ACID TREATMENT.

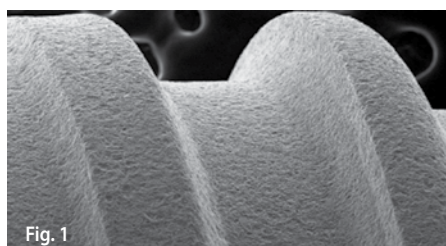


Fig. 1

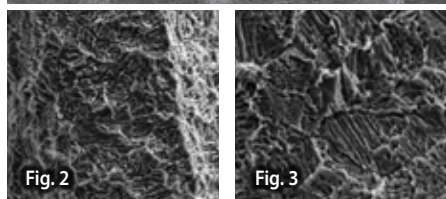


Fig. 2

Fig. 3

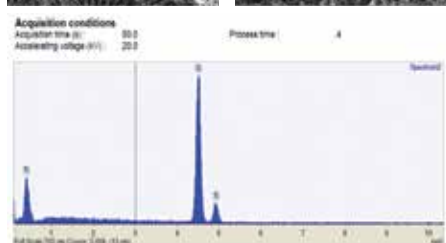
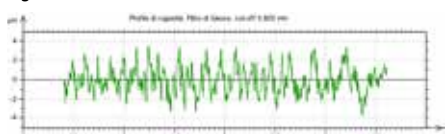
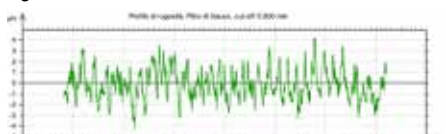


Fig.4



ISO 4287 Point 1			
Width parameters - Profile of roughness			
Ra	1.10	µm	Gauss filter, 0.8 mm
Rt	8.92	µm	Gauss filter, 0.8 mm

Fig.5



ISO 4287 Point 2			
Width parameters - Profile of roughness			
Ra	1.11	µm	Gauss filter, 0.8 mm
Rt	8.72	µm	Gauss filter, 0.8 mm

Fig.6

METHOD AND MATERIALS

The surface morphology of B. & B. Dental's implants is evaluated by scanning electron microscope (SEM). Roughness is estimated and evaluated quantitatively using dedicated machine provided with a specific software to convert conventional SEM images into three-dimensional data.

The main results of SEM observations about the implant surface morphology can be seen through the images below. They show increasing magnification (reported in each single observation) of the treated implants.

RESULTS

Fig. 1, image at low magnification (500x), shows that the macroscopic aspects (thread and cutting edge of the implant) are perfectly preserved and not altered by the treatment. It also indicates a good homogeneity of the surface and the absence of process residues.

The uniformity of surface roughness and the typical structure of the micro-roughness of the surfaces treated with double acid attack are highlighted by **Fig. 2** and **Fig. 3**, which present higher magnifications, respectively corresponding to 3000x and 5000x.

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.

(Fig. 4) EDX analysis confirms that the only elements detected are Ti, Al and V, therefore absence of contaminants, as expected from the nature of the sample.

In accordance with ISO 4287 the **Fig. 5** and **Fig. 6** report the evaluation of the analysis in order to quantify the roughness. In particular, the values observed on DURAVIT implants treated with the BioActive process have been obtained from the average of two points for each sample and according to a statistical point of view they are not significantly different than the parameters reported in the literature.

Based on the highlighted results the obtained surface treatment is very similar to surface topography reported in the literature. The data indeed show that the B. & B. Dental's "BioActive" treatment is suitable to promote the biocompatibility of the device, it can then accelerate and improve the process of bone healing around the implant.

IMPLANT PACKAGING

Simplified retrieval.

This new packaging improves the aesthetic effect and grants a greater functionality, since it makes the opening of the plastic bottles much more immediate and safe, thanks to the little tongue of the external cap. The implant is easy to be lifted through the implant drivers with spring for contra-angle or torque ratchet. This allows to carry the implant directly to patient's mouth without any intermediate steps and keep on with the implant placement. In particular, it is characterized by a plastic "screw holder", which is equipped by both the usual titanium cover screw and a new screw made of titanium covered in peek, that facilitates greatly the healing of soft tissues. This screw is absolutely brand new. It doesn't need a specific driver, but it is enough to have and use one of our prosthetic hex drivers, because it has exactly the same connection.

PACKAGING COMPONENTS



Cover screw in titanium



Trasmucosal screw in PEEK



IMPLANT CERTIFICATE

Each implant is accompanied by an implant certificate issued by the implantologist to the patient after surgery. It's an assurance of the quality of the implants and components and it contains traceability information useful for a more careful management.


B&B DENTAL implant company		% MAX. Cons. Fe-30 0.35 C-10 N-05 H-0125 REST T1	
KIT IMPIANTO DURAVIT Certificato per il paziente		DURAVIT IMPLANT KIT Customer certified	
MATERIALE USATO Titanio Commercialmente Puro		USED MATERIAL Commercially Pure Titanium	
Via San Benedetto, 1837 - 40018 San Pietro in Casale (BO) Italy Tel. +39 (0) 51 81.13.75 - Fax +39 (0) 51 666.94.00 info@bebdental.it - www.bebdental.it			

Patient's name: <i>Nome del paziente:</i> _____	
Dentist's name: <i>Studio Dott.:</i> _____	
Date: <i>Data:</i> _____	
Lot: _____	

IMPLANT LABELING




The label in the package of each medical device set on the market show symbols in compliance with the harmonized standards EN ISO 13485 and Directive 93/42/EEC for Medical Devices.

 **B&B DENTAL**
implant company




Description:
IMPLANT 3P


Diameter:..... Ø 4.5 mm
Length:..... L. 10 mm

REF 3P-4510

LOT 0715  2020-01

STERILE R Mat. Ti Gr 4

   **CE** 0123


 B.&B. Dental srl
V. San Benedetto, 1837
40010 S. Pietro in Casale (BO)
ITALY


Rev01 del 15/12/2011



Implant 3P

REF 3P-4510
ø 4.5 mm L. 10 mm

LOT 0715  2020-01

 B.&B. Dental srl - S. Pietro in Casale (BO) ITALY




SYMBOL DESCRIPTION


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

Mat. Ti Gr 4 Material Titanium
Grade 4
(EV/3P/Wide Implants)

Mat. Ti Gr 5 Material Titanium
Grade 5
(SLIM and MINI implants)

CONEXA

THE REVOLUTIONARY CONNECTION

PROSTHETIC SCREW

The only function is to bring in total connection the abutment and the implant.

It is not subjected to loads, eliminating the risk of breakage.

CONICAL CONNECTION "MORSE TAPER 5°"

Cold weld seal.

Elimination of micro-movements.

Elimination of unscrewing.

PLATFORM SWITCHING

Reduction of bone loss.

Long term esthetic stability.

Perfect bacterial seal.

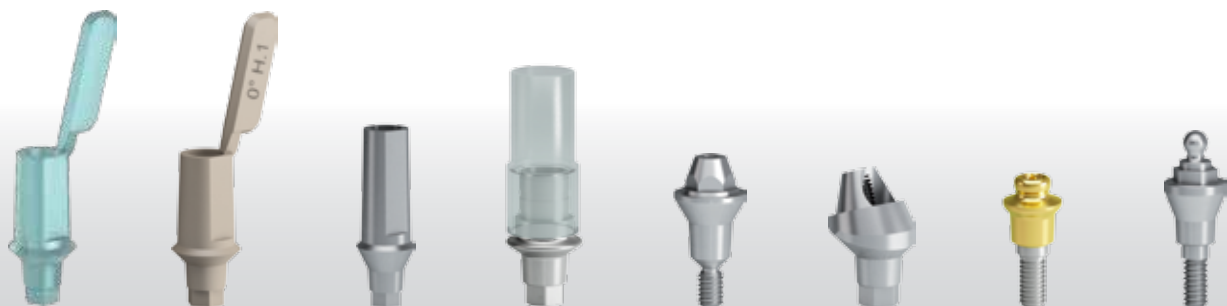


INTERNAL HEXAGON

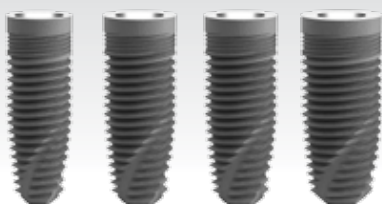
The hexagon enhances the resistance to torsional loads and allows an easy transfer of the abutment position from the laboratory to the dental office.

UNIQUE PROSTHETIC CONNECTION

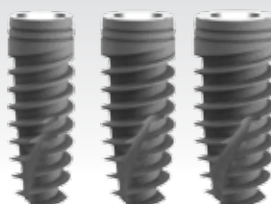
Thanks to the unique prosthetic connection (hole diameter 3 mm), the range is compatible with all prosthetic implants 3P, EV and WIDE, regardless of the abutment or pillar chosen and the diameter of the implant.



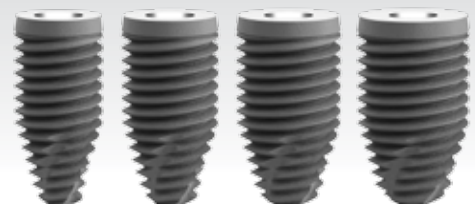
3P LINE



EV LINE



WIDE LINE



INTERNAL HEXAGON

The internal hexagon enhances the resistance to torsional load and it guarantees an absolute precision in placing the abutment, therefore it allows an easy transfer of the abutment position from the laboratory to the dental office.

PLATFORM SWITCHING

The platform switching method permits to use diameter-reduced abutments, so that the prosthetic connection is moved to the middle of the implant, increasing the distance between the peri-implant bone and the abutment base.

It becomes a perfect bacterial seal, because the crestal bone is stabilized at the collar level of the implant and the healing of the soft tissues improves.

The clinical advantages of this concept are the followings:

- a better esthetic emergency profile thanks to an easier gingival conditioning;
- a better distribution of lateral loads on the crestal area of the implant;
- improvement of a good long-term prognosis.

In particular, the long-term stability of the implant and the abutment is achieved thanks to:

- a better healing of soft connective-mucous tissues;
- a reduction of the loss of crestal peri-implant bone;
- a minimization of the gingival recession.

MORSE TAPER

The use of diameter-reduced abutment makes necessary a Morse conical connection, by its inventor Stephen Morse. The morse taper is a conical connection between two metal pieces, which are considered as male and as female. The inclination must not overcome 5°, because otherwise the mechanical link wouldn't strong any more. Therefore the friction between the two tapered surfaces, combined with the push applied in the insertion that presses them together, locks the two cones. This locking remains and keeps itself efficient also when the applied insertion force ceases.

Its main advantages are the following ones:

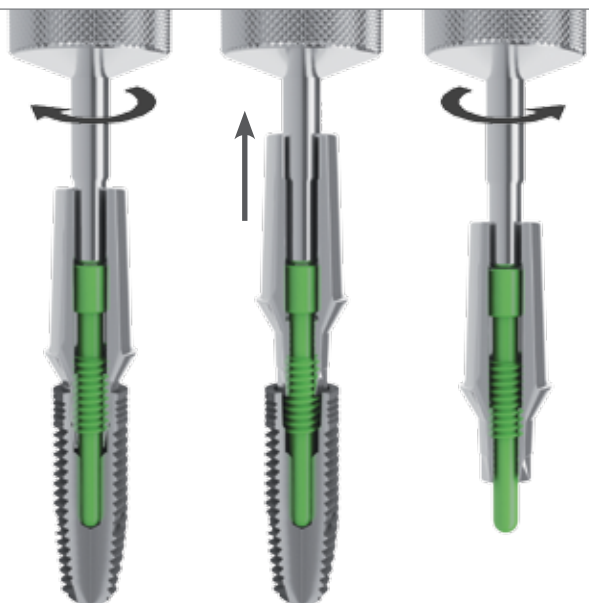
- it avoids breakings and unscrewing of the prosthetic screws. A suitable tapering of the cones indeed guarantees a safe and natural anti unscrewing system;
- it ensures a very high mechanical stability, eliminating the risk of micro movements;
- it ensures an optimal distribution of the masticatory loads on the implant;
- it creates a perfect internal seal between abutment and implant that avoid bacterial infiltration with the related risks of periimplantitis.

UNLOCKING SYSTEM

Once two conical surfaces get connected, the morse effect is produced and implant and abutment get locked together. This effect can be nullified by inserting the extractor.



EXTRACTOR
INN-6060





IMPLANTS

DURAVIT EV IMPLANT	14
DURAVIT 3P IMPLANT	16
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DURAVIT **EV** IMPLANT

MORSE TAPER & INTERNAL HEXAGON

- Precision in positioning the prosthetic components
- Ideal solutions by respecting the parallelism
- Contact area increased between implant surface and abutment
- High stability

DOUBLE THREAD BODY

- Thread of increased depth and highly sharp
- Easy insertion and bone condensing
- Higher primary stability

SELF TAPPING SYSTEM

- Self tapping
- Self drilling

BACK-TAPERED CORONAL DESIGN WITH MICRO RINGS

- Optimal soft tissue support
- Maximum alveolar bone volume
- Less crestal resorption

PERFECT ANATOMICAL DESIGN LIKE A RADICULAR STRUCTURE



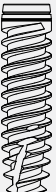



- Innovative macromorphology, designed for a primary high stability

APICAL BLADE

- Penetrate small diameter preparations
- Optimal anchorage

SURGICAL BENEFITS

- Great improvement of the high primary stability.
- Ideal in conditions of spongy bone (D3-D4) and permit to condense it.
- Ideal in post-extraction conditions.
- Ideal for immediate load.
- Require small diameter preparations.
- Permit to change direction during the implant placement.
- Titanium grade 4.

	L. 6.5	L. 8	L. 10	L. 12	L. 14	L. 16
ø 4						
		EV-4008	EV-4010	EV-4012	EV-4014	EV-4016
ø 4,5						
	EV-4506	EV-4508	EV-4510	EV-4512	EV-4514	
ø 5						
	EV-5006	EV-5008	EV-5010	EV-5012	EV-5014	



IMPORTANT NOTE

Implant with a length of 6,5 mm requires the use of a specific prosthetic screw, shorter than the standard one, which is already provided inside of the packaging.

SHORT PROSTHETIC SCREW INN-6055

DURAVIT 3P IMPLANT

MORSE TAPER & INTERNAL HEXAGON

- Precision in positioning the prosthetic components
- Ideal solutions by respecting the parallelism
- Contact area increased between implant surface and abutment
- High stability

TRIPLE THREAD BODY

- Thread with 60° round profile
- Reduced invasivity due to an increased contact surface with the bone
- Osseointegration improvement

SELF TAPPING SYSTEM

- Self tapping
- Self drilling

MICROGROOVING COLLAR

- Primary stability increased
- Easy insertion implant
- Reduced prosthetic load
- Easy gingival tissues healing

PERFECT ANATOMICAL DESIGN LIKE A RADICULAR STRUCTURE




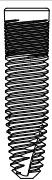




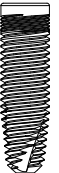









- Innovative macromorphology, designed for a primary high stability

"BONE FRIENDLY" APEX

- Penetrate small diameter preparations
- Optimal anchorage

SURGICAL BENEFITS

- Conical implant with self-tapping system.
- Achievement of high primary stability.
- Easy, fast and stable implant insertion.
- Better control during implant placement.
- Suitable for all procedures.
- Suitable for all types of bone.
- Titanium Grade 4.

	L. 6.5	L. 8	L. 10	L. 12	L. 14
ø 3.5					
		3P-3508	3P-3510	3P-3512	3P-3514
ø 4					
	3P-4006	3P-4008	3P-4010	3P-4012	3P-4014
ø 4,5					
		3P-4508	3P-4510	3P-4512	3P-4514
ø 5					
	3P-5006	3P-5008	3P-5010	3P-5012	3P-5014



IMPORTANT NOTE

Implant with a length of 6.5 mm requires the use of a specific prosthetic screw, shorter than the standard one, which is already provided inside of the packaging.

SHORT PROSTHETIC SCREW INN-6055

DURAVIT **WIDE** IMPLANT

MORSE TAPER & INTERNAL HEXAGON

- Precision in positioning the prosthetic components
- Ideal solutions by respecting the parallelism
- Contact area increased between implant surface and abutment
- High stability

TRIPLE THREAD BODY

- Thread with 60° round profile
- Reduced invasivity due to an increased contact surface with the bone
- Osseointegration improvement

SELF TAPPING SYSTEM

- Self tapping
- Self drilling

PERFECT ANATOMICAL DESIGN LIKE A RADICULAR STRUCTURE

- Innovative macromorphology, designed for a primary high stability

"BONE FRIENDLY" APEX

- Penetrate small diameter preparations
- Optimal anchorage

SURGICAL BENEFITS

- Permit the immediate placement after extraction.
- Great primary stability.
- Excellent adaptation after the site preparation with specific drills.
- Maximize bone preservation.
- Minimize the need for bone grafting.
- Increase patient's acceptance.
- Reduce treatment time.
- Possibility to use standard surgical procedures and instrumentation with minimal additions.
- Titanium Grade 4.

	L. 6.5	L. 8	L. 10	L. 12	L. 14
ø 5.5					
	WIDE-5506	WIDE-5508	WIDE-5510	WIDE-5512	WIDE-5514
ø 6					
	WIDE-6006	WIDE-6008	WIDE-6010	WIDE-6012	WIDE-6014
ø 6.5					
	WIDE-6506	WIDE-6508	WIDE-6510	WIDE-6512	WIDE-6514
ø 7					
	WIDE-7006	WIDE-7008	WIDE-7010	WIDE-7012	WIDE-7014



IMPORTANT NOTE

Implant with a length of 6,5 mm requires the use of a specific prosthetic screw, shorter than the standard one, which is already provided inside of the packaging.

SHORT PROSTHETIC SCREW INN-6055

IMPLANT SITE PREPARATION

3P DRILLING TECHNIQUE

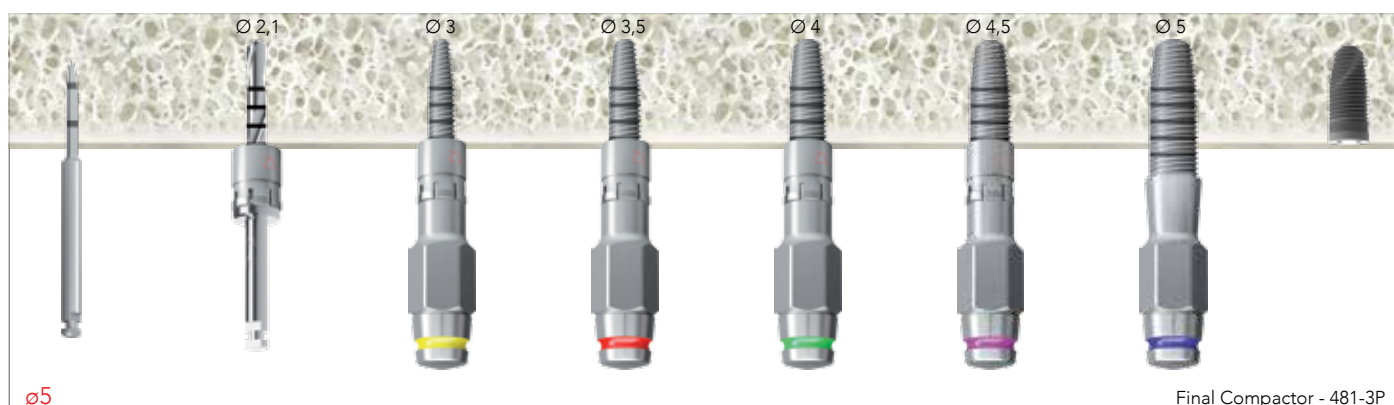
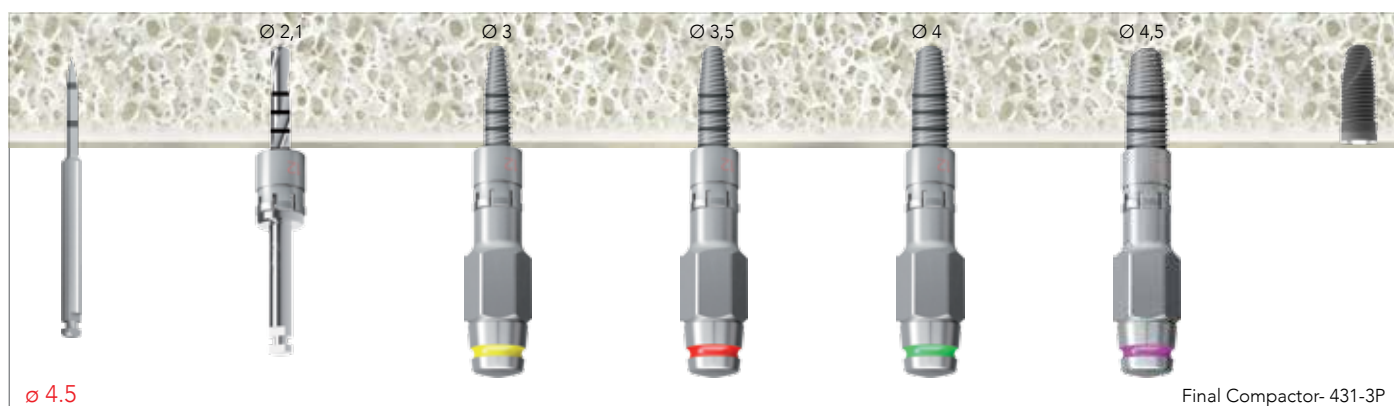
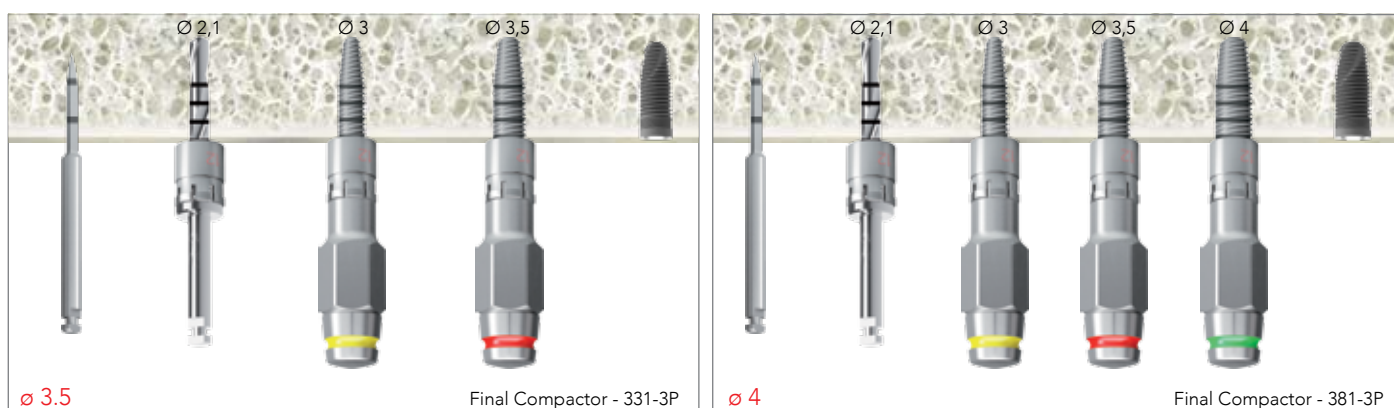
SUITABLE FOR HARD BONE (D1-D2)

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



SUITABLE FOR SPONGY BONE (D3-D4)

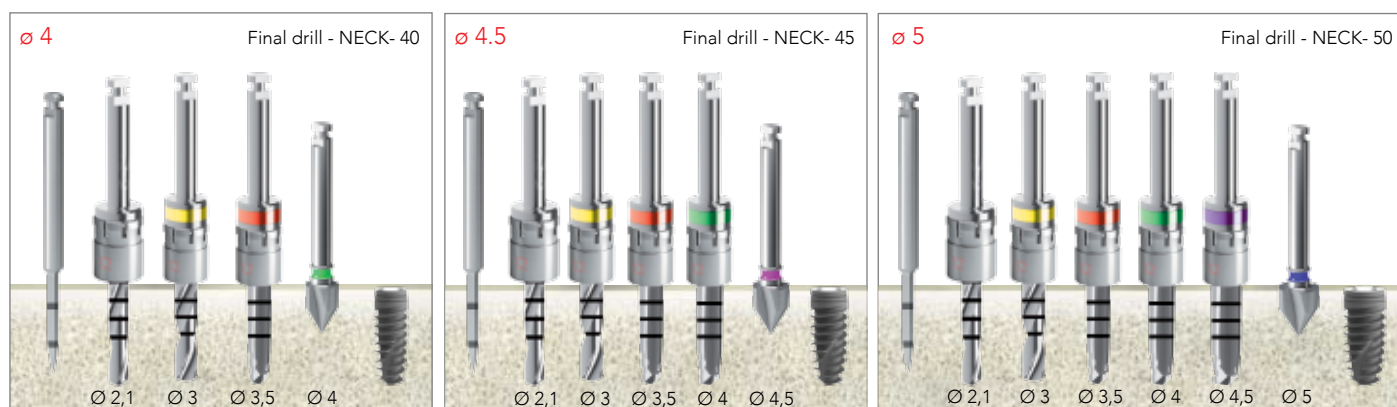
Duravit bone compactor-expanders are an alternative to osteotomes for the expansion and condensing of the atrophic mandible and maxilla in preparation of dental implant insertions. Compactor-expanders are also an alternative to the maxillary sinus lift technique by Summers. Bone compactor-expanders improve the clinical success by improving stability and the maintenance of bone density. 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.



EV DRILLING TECHNIQUE

SUITABLE FOR HARD BONE (D1-D2)

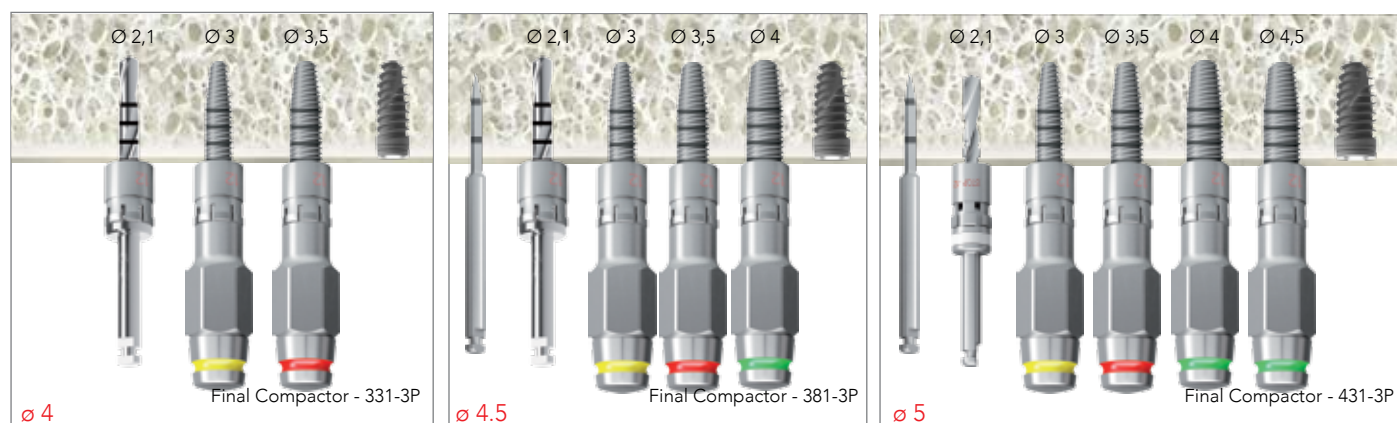
Implant sites are prepared in step-by-step procedure using drills of different diameters to ensure an efficient and atraumatic widening of the implant site. It requires an intermittent drilling technique to prevent the bone heating. In case of resistance during the positioning rotate back (counterclockwise) for 2-3 turns and proceed with the insertion.



SUITABLE FOR SPONGY BONE (D3-D4)

In conditions of spongy bone the procedure that has to be followed, it is the one that requires the use of the compactor-expanders of the DURAVIT system for expanding and condensing the maxillary arches during the preparation of dental implant sites.

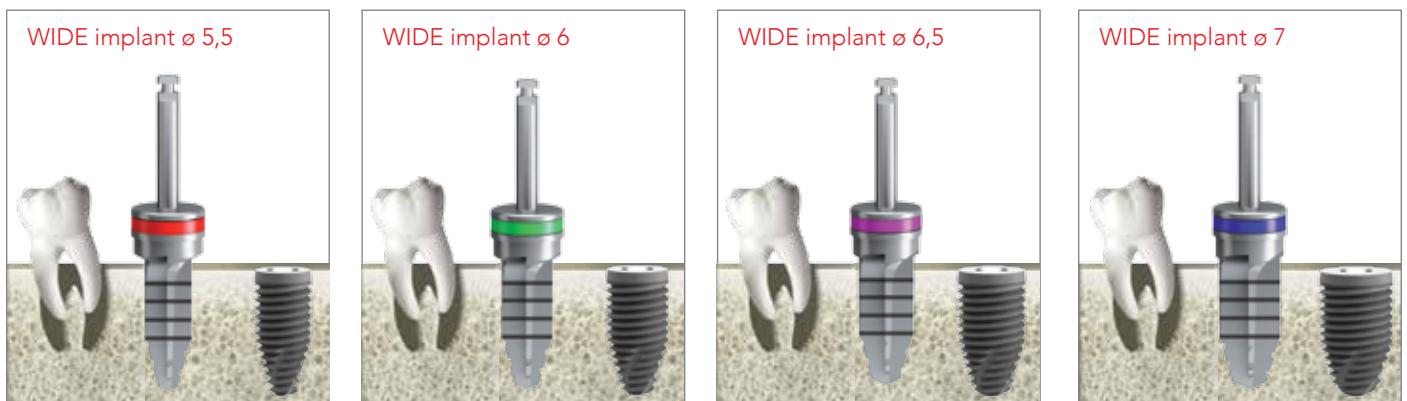
They permit to improve the clinical success by improving the primary stability and the maintenance of the bone density. Moreover also the specific characteristics of the implant facilitate its placement.



WIDE DRILLING TECHNIQUE

IDEAL IN CASE OF MOLAR AND PREMOLAR EXTRACTION SITE

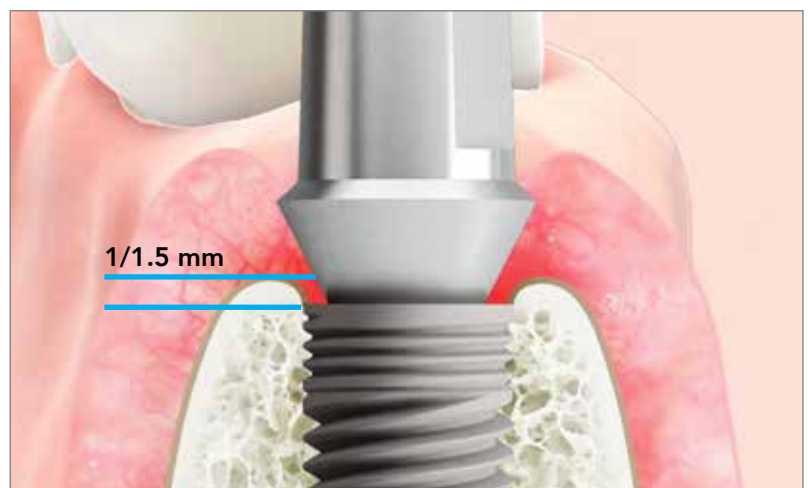
The WIDE implants system has been designed to fit perfectly in the natural shape of a molar site. These implants are made with a special body with a wider diameter and a cylindrical-conical shape which allows an easy penetration with an adequate alveolar adaptation. The final result is an immediate and ideal positioning of the implant in the extraction site, minimizing the bone loss, reducing the treatment times.

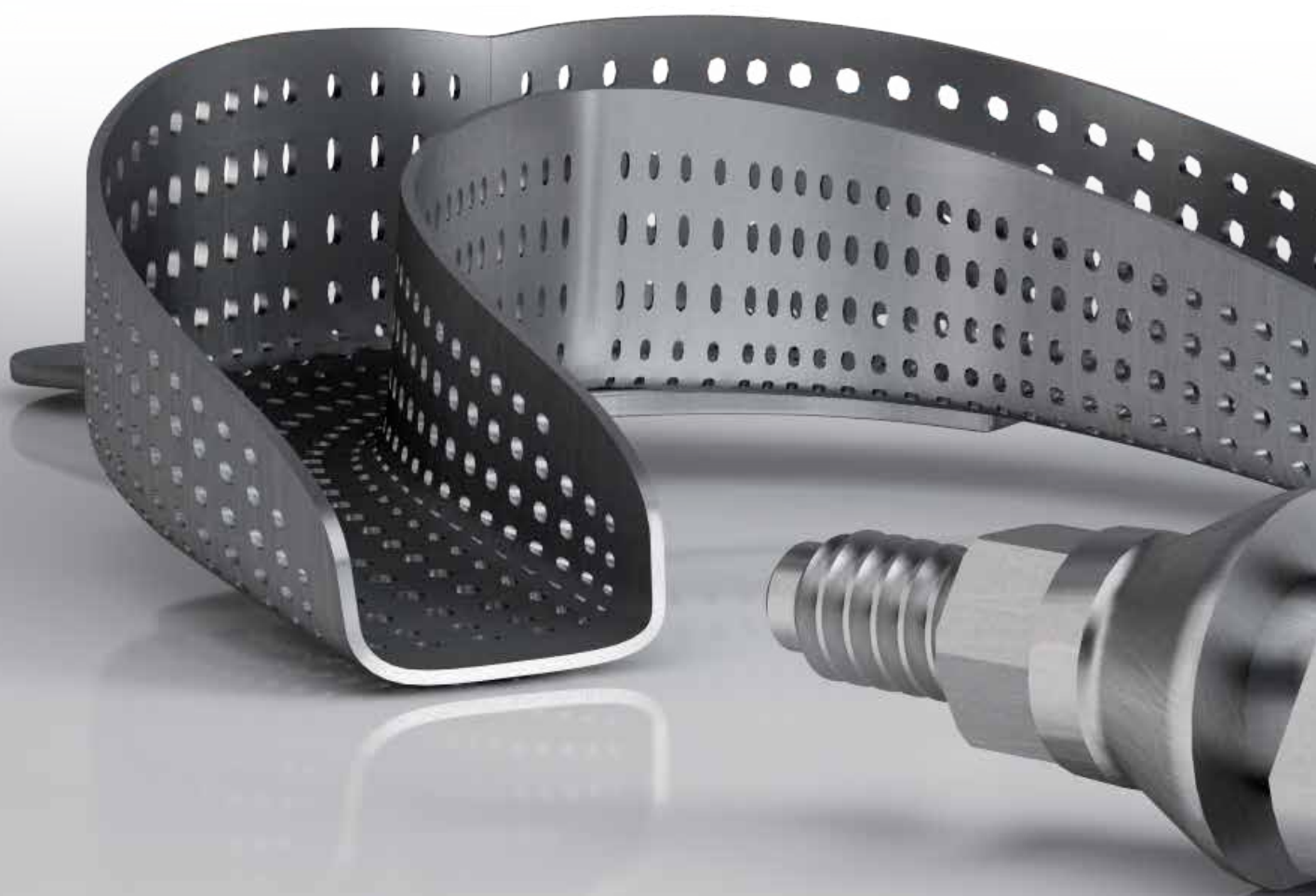


BONE LEVEL POSITIONING

IT IS ALWAYS RECOMMENDED TO PLACED THE IMPLANT 1/1.5 MM UNDER THE CREST

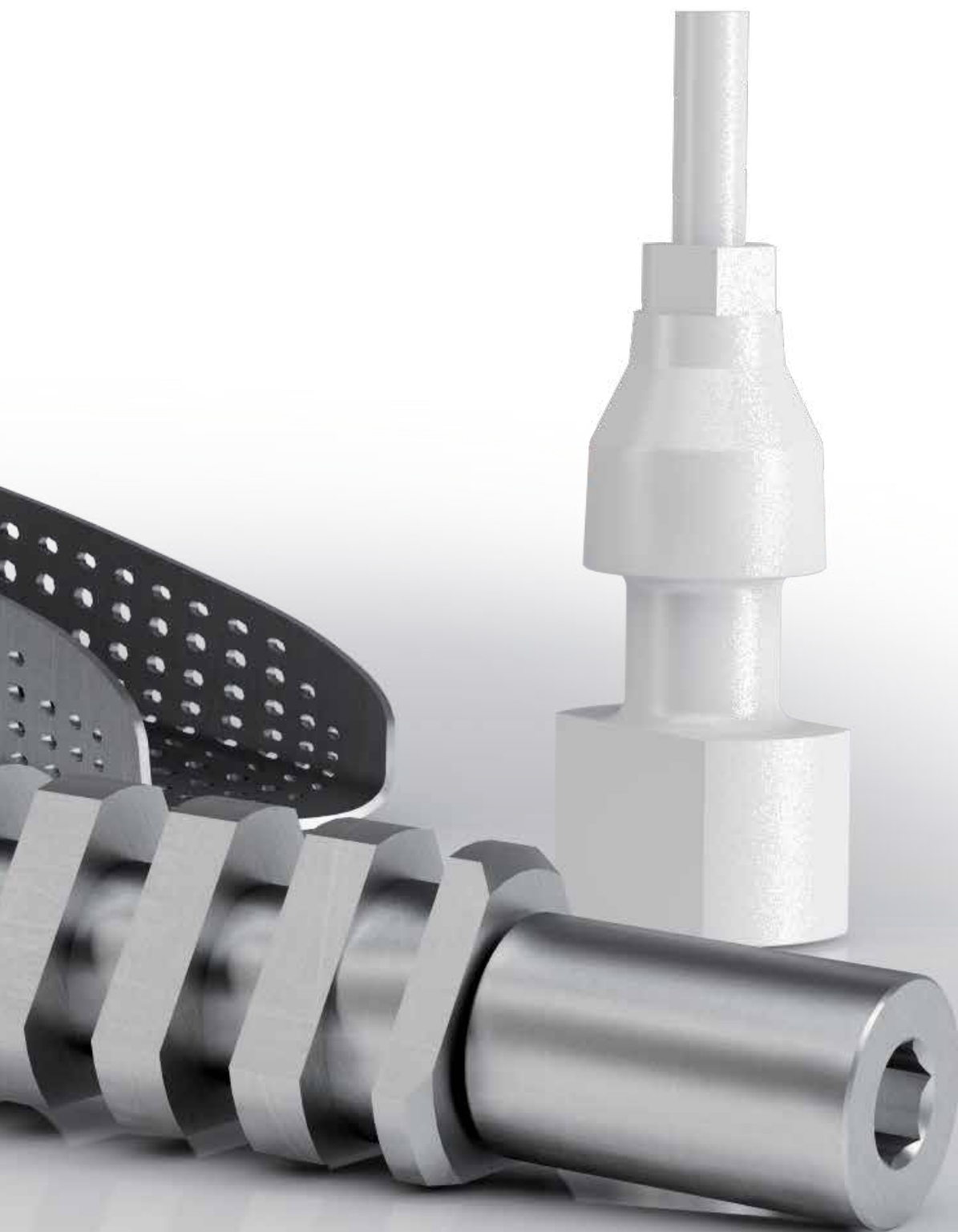
- the bone tissue healing is facilitated, reducing the risk of bone loss
- soft tissues are kept high, granting a optimal esthetic effect onward





SURGICAL COMPONENTS

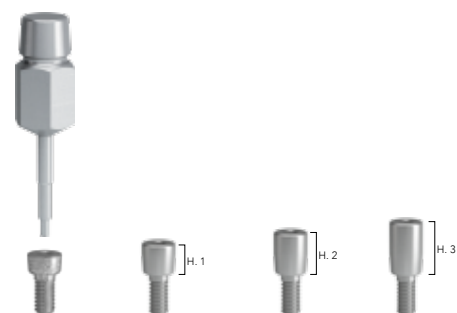
HEALING COMPONENTS	26
SURGICAL AND IMPRESSION COMPONENTS.....	27



HEALING COMPONENTS

HEALING SCREW (TITANIUM GRADE 5)

It is provided inside the implant packaging. Use when you want to cover completely the implant after the insertion. Implant has to be reopened 3-6 months later, followed by the positioning of a healing screw.



INN-6053 INN-6053/1 INN-6053/2 INN-6053/3



TIGHTENING:

Insert the healing screw into the implant and tighten using only light finger force.

HEALING SCREWS (TITANIUM GRADE 5)

Each package contains 1 piece.

This component has to be used in two-stage surgery for the healing and the conditioning of mucosa, appropriately adapted around the site using a suture.

These components are used to rehabilitate soft tissue on implant in order to insert the final prosthetic abutment later on.

They are available in 5 different heights and in 2 different diameter profiles:

- Ø 5 indicated for anterior area;
- Ø 6 indicated for posterior area.



INN-6010 INN-6011 INN-6012 INN-6014 INN-6015



INN-6020 INN-6021 INN-6022 INN-6023 INN-6024



TIGHTENING:

Insert the healing screw into the implant and tighten using only light finger force.

SURGICAL AND IMPRESSION COMPONENTS



PULL-OFF IMPRESSION TRANSFER (CLOSED TRAY TECHNIQUE)

Place the plastic transfer by pressure-fitted into the implant and make some little lateral movements to check its correct (Fig. 1).

Prepare a standard impression tray and inject elastomeric impression material around the implant transfer and into the impression tray. Then take the impression (Fig. 2).

Once the material is solid, remove the impression and pressure-fitted the analog into the impression model (Fig. 3).



Fig. 1



Fig. 2



Fig. 3

PULL-OFF TRANSFER

Each package contains
3 pcs
INN-00306

ANALOG
INN-00585

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

FACILITY TRANSFER (CLOSE TRAY TECHNIQUE)

Place the transfer impression inside the implant and make sure than the internal hex is correctly engaged before tightening with 1.27 hexagon screwdriver (20 Ncm). After that place 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. Then take the impression (Fig. 2).

Once the material is solid, remove the impression and take out the impression copings, attaching the analog and correctly reposition them into the impression model (Fig. 3).



Fig. 1



Fig. 2



Fig. 3

PLASTIC CAP

Each package
contains 2 pcs
INN-00507

COMPLETE SET

- plastic cup
- screw
- metal transfer
short
INN-00506
long
INN-00506L

ANALOG
INN-00585

PICK-UP TRANSFER (OPEN TRAY TECHNIQUE)

Place the impression transfer inside the implant and make sure that 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. So take the impression (Fig. 2).

Once the material is solid, loosen the guide screw and remove the tray. Then reposition and fix the analog in the impression using the screw.



Fig. 1



Fig. 2



COMPLETE SET
- post screw
- hexagonal open
tray transfer
INN-00600



COMPLETE SET
- post screw
- rotating open
tray transfer
INN-00601



**LONG
PICK-UP
SCREW**
INN-00608L



ANALOG
INN-00585



PROSTHETIC COMPONENTS

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UCLA ABUTMENTS	37
MULTI-USE ABUTMENTS	38



TRY-INN KIT ABUTMENTS

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

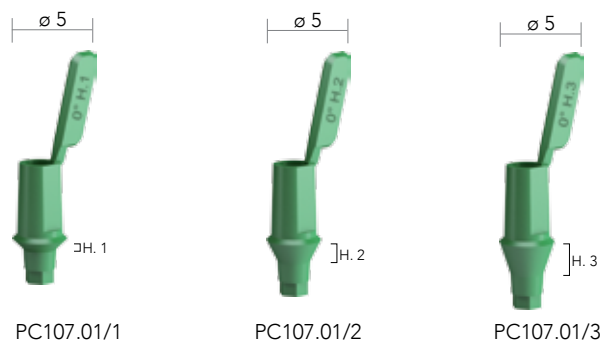
CHARACTERISTICS

- Simple.
- Color-coded, well-marked so it results easy to read. This improves the planning in the abutment choice.
- Comprehensive set containing all try-Inn abutments, arranged clearly.
- Easy to handle thanks to the plastic holder.
- Proper seating of try-inn abutments verified through the clear-cut in response of the prosthetic connection.
- Try-inn abutments fabricated in sterilizable polymer material.

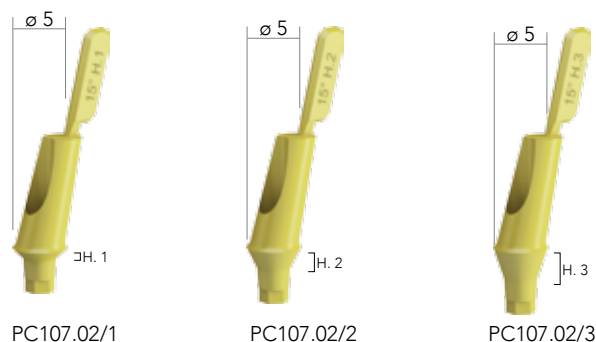
NOTE

Be sure to clean and sterilize the planning abutments after the intra-oral use. Do not sterilize the plastic holder.

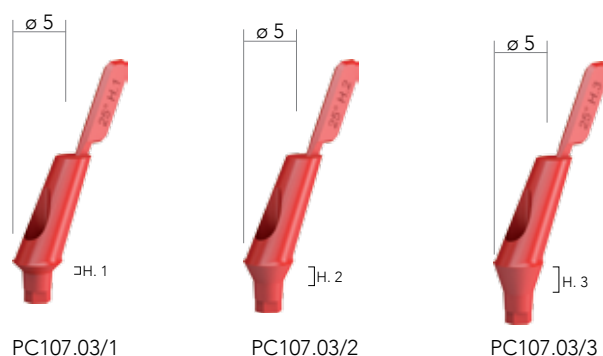
STRAIGHT ABUTMENTS



15° ANGLED ABUTMENTS



25° ANGLED ABUTMENTS



TRY-INN KIT

000.07

The box contains 3 pcs. of each code.



TEMPORARY ABUTMENT - PEEK



INTENDED USE

- Immediate load.
- Individual soft tissue management for esthetic cases.
- Screw- or cement-retained temporary crowns.
- Peek abutment has been designed as temporary abutment, easily customized by the clinician or in the laboratory by the dental technician.
- Easy to customize by the doctor during the surgery as well as by the technician in laboratory.

CHARACTERISTICS

- Modifications of peek material can be realized immediately, easily and quickly.
- Easy-to-achieve esthetics due to tooth-colored and metal free.
- Conexa connection

NOTE

Maximum 121° sterilizable.

IMPORTANT NOTE

The correct position of angled abutments can be checked considering that the external hexagon of the driver is in phase with the internal hex.

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.

PEEK KIT

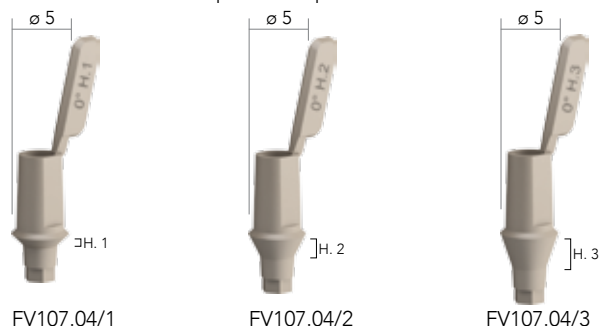
000.08

The box contains 1 pc for each code.



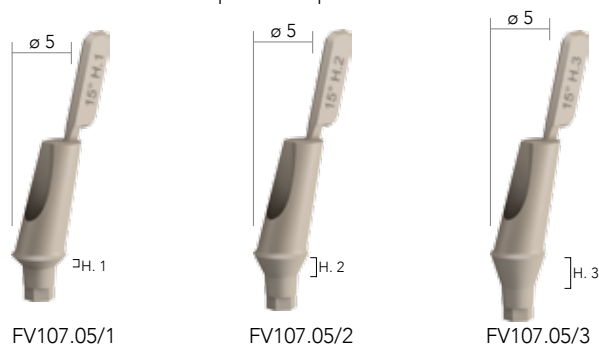
PEEK STRAIGHT ABUTMENTS

Complete with prosthetic screw



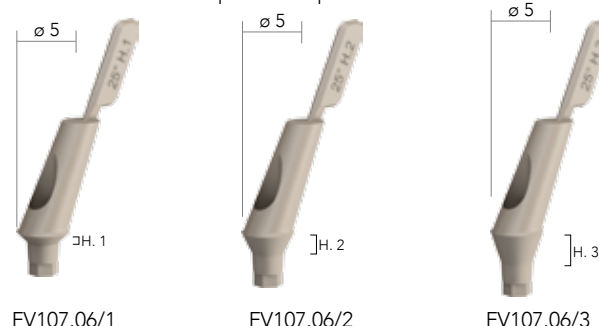
PEEK 15° ANGLED ABUTMENTS

Complete with prosthetic screw



PEEK 25° ANGLED ABUTMENTS

Complete with prosthetic screw



PROSTHETIC SCREW



INN-6050

TEMPORARY ABUTMENTS - TITANIUM

User-adjustable temporary abutments in titanium.

INTENDED USE

- User-adjustable both by doctor and technician.
- Anterior and posterior area
- Non-rotating abutments are used for:
 - Screw- or cement-retained temporary crowns;
 - Cement-retained temporary bridges.
- Rotating abutments are used for screw-retained temporary bridges.

CHARACTERISTICS

- Narrow diameter for interdental spaces.
- Precise fit and high stability due to titanium material.
- Conexa connection.

NOTE

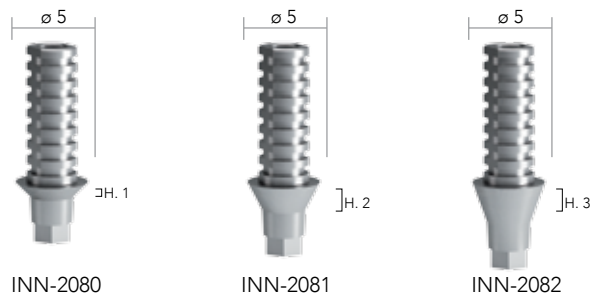
Do not use for longer than 180 days.

Place temporary restorations out of occlusion.

The temporary abutment can be shortened vertically no more than 6 mm with usual tools and technique. The devices are provided non-sterile and they are for single use only. Abutment can be steam sterilized (134C°/5 Min).

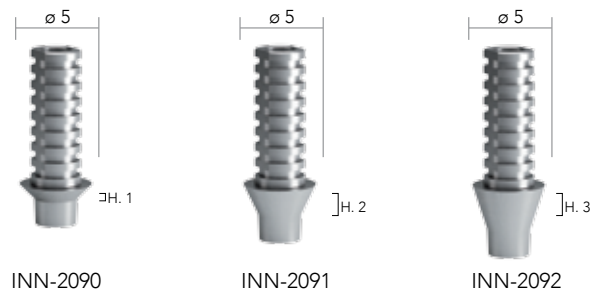
NON-ROTATING STRAIGHT ABUTMENTS

Complete with prosthetic screw



ROTATING STRAIGHT ABUTMENTS

Complete with prosthetic screw



PROSTHETIC SCREW



TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.

CASTABLE ABUTMENT - PLEXIGLASS



INTENDED USE

Cement-retained bridges via mesostructure (custom abutment technique).

CHARACTERISTICS

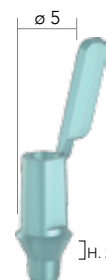
- Easy-to-achieve esthetics due to individual realization of the emergency profile and adaptation to the margin of the gingival contour.
- Superfluous cement easily removable by raising the cement margin using an individually designed mesostructure.

STRAIGHT ABUTMENTS

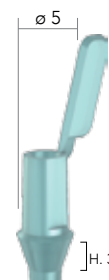
Complete with prosthetic screw



CA107.08/1



CA107.08/2



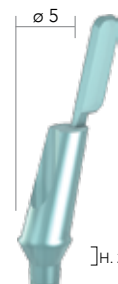
CA107.08/3

15° ANGLED ABUTMENTS

Complete with prosthetic screw



CA107.09/1



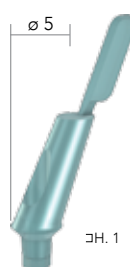
CA107.09/2



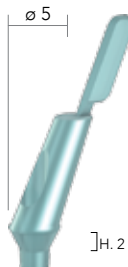
CA107.09/3

25° ANGLED ABUTMENTS

Complete with prosthetic screw



CA107.10/1



CA107.10/2



CA107.10/3

PROSTHETIC SCREW



INN-6050

IMPORTANT NOTE

- The use of castable abutments for Duravit implant system is not advisable, due to the difficulty to obtain a perfect conical fitting between implant and abutment.
- Use the castable abutment only in cases of extreme disparallelism.
- Do not use for a single crown.

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.

Ø 5 TITANIUM ABUTMENTS

Prosthetic abutments are titanium components that are fixed on the dental implant using prosthetic screws, thus creating a prosthetic anchorage. Usually used for frontal areas.

INTENDED USE

Cement-retained restorations.

CHARACTERISTICS

- Simple and safe.
- Less grinding necessity due to prepared mucosa margins.
- Adaptation to natural soft tissue contour due to prepared mucosa margins in different heights.
- Cylindrical shape resembles the emergence profile of a natural tooth.
- Conexa connection.

NOTE

Not suitable for direct ceramic veneering.

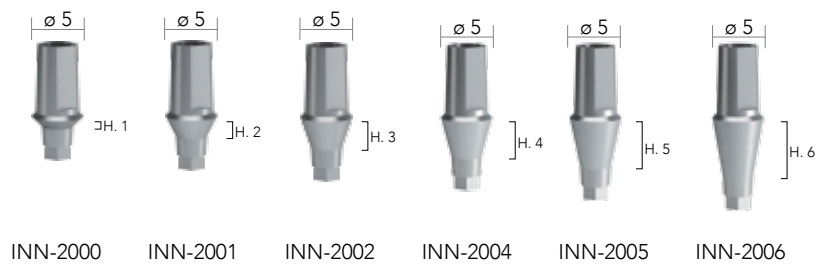
A minimum height of 3 mm above the mucosa margin of the abutment must be maintained in order to keep a proper stability of the abutment.

The cement margin must not be more than 2 mm below the mucosa.

Use a new basal screw for the final insertion of the abutment.

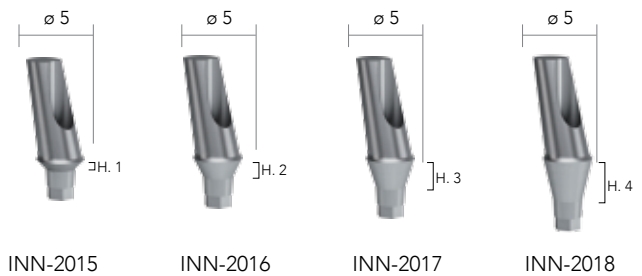
Ø 5 STRAIGHT ABUTMENTS

Complete with prosthetic screw



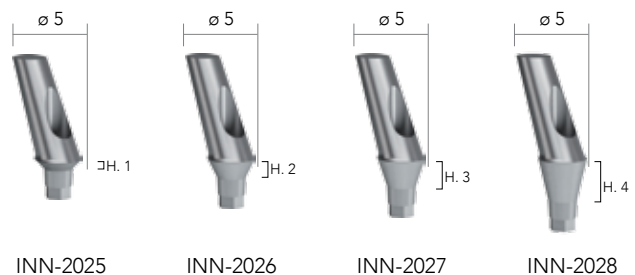
Ø 5 15° ANGLED ABUTMENTS

Complete with prosthetic screw



Ø 5 25° ANGLED ABUTMENTS

Complete with prosthetic screw



PROSTHETIC SCREW

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.



INN-6050

Ø 6 TITANIUM ABUTMENTS



Prosthetic abutments are titanium components that are fixed on the dental implant using prosthetic screws, thus creating a prosthetic anchorage. Usually used for molars and premolars.

INTENDED USE

Cement-retained restorations.

CHARACTERISTICS

- Simple and safe.
- Less grinding necessity due to prepared mucosa margins.
- Adaptation to natural soft tissue contour due to prepared mucosa margins in different heights.
- Cylindrical shape resembles the emergence profile of a natural tooth.
- Conexa connection.

NOTE

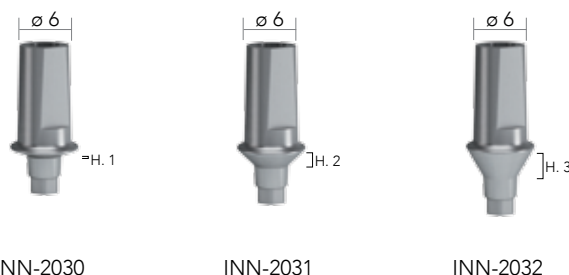
Not suitable for direct ceramic veneering.

A minimum height of 3 mm above the mucosa margin of the abutment must be maintained in order to keep a proper stability of the abutment. The cement margin must not be more than 2 mm below the mucosa.

Use a new basal screw for the final insertion of the abutment.

Ø 6 STRAIGHT ABUTMENTS

Complete with prosthetic screw



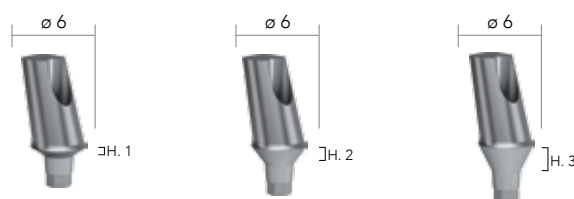
INN-2030

INN-2031

INN-2032

Ø 6 15° ANGLED ABUTMENTS

Complete with prosthetic screw



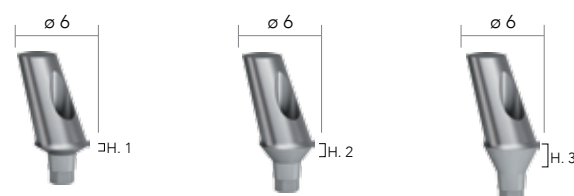
INN-2065

INN-2066

INN-2067

Ø 6 25° ANGLED ABUTMENTS

Complete with prosthetic screw



INN-2075

INN-2076

INN-2077

PROSTHETIC SCREW

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.



INN-6050

MULTI-SCAN ABUTMENT

INTENDED USE

- Cemented-retained restoration.
- Screw-retained restoration.
- Single and multiple crowns

CHARACTERISTICS

- Possibility of creating a transmucosal profile customized for every single patient.
- NIMETIC CEM (3M Espe), PANAVIA 21 (Kuraray Medical Inc.) are the materials recommended for bonding the prosthetic manufacture.
- Conexa connection

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.

The portion of the abutment can be customized as follows:

WITH TRADITIONAL METHOD

Utilization of a pre-fabricated castable placed on the abutment, that need to be adjusted and modeled with wax and/or acrylic, and fabrication of the portion of customized abutment through fusion.

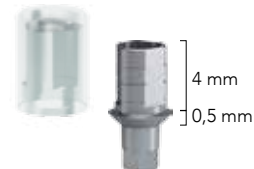
WITH CAD/CAM

Scanbody allows to digitally get the abutment position on the model. The customized modelling includes a dedicated software and a laboratory working with drilling machine (CAM). Interface, link and B&B Dental scanbody are available for the following libraries:

3shape  exocad  dental wings  Carestream  SICAT 

NON-ROTATING MULTI SCAN

Complete with prosthetic screw



INN-00652

ROTATING MULTI-SCAN

Complete with prosthetic screw



INN-00651

PROSTHETIC SCREW



INN-6050



INN-SCAN

TI BASE CEREC® (Linea L)



INTENDED USE

- Cemented-retained restoration.
- Screw-retained restoration.

CHARACTERISTICS

- Titanium base.
- Completely customized prostheses.
- Use of CAD/CAM technology for the production of zirconium abutments that has to be fixed on the central pillar.
- Conexa connection.

NOTE:



Scanbodies are included in ScanPost and TiBase for the implant optical acquisition. The grey cap is used with omnicam system. The white cap is used with bluecam system. 2 different connections are available: S (code: 6431295) and L (code: 6431303).

CEREC BASE

Complete with prosthetic screw



INN-00655



INN-00655/2



INN-00655/3

PROSTHETIC SCREW



INN-6050

UCLA ABUTMENT

INTENDED USE

- Ideal for overcasting.
- Cemented-retained restoration.
- Screw-retained restoration.
- Use for single or multiple crowns.

CHARACTERISTICS

- Made of gold.
- Completely customizable.
- Model anatomically the gingiva.
- Conexa connection.

UCLA ABUTMENT

Complete with prosthetic screw



INN-6048

PROSTHETIC SCREW



INN-6050

MULTI-USE ABUTMENTS

INTENDED USE

- Screwed bridges
- "All-on-four" and "All-on-six" prosthesis
- Bar-retained overdentures.

STRAIGHT MULTI-USE ABUTMENT

The straight multi-use abutment has a conical top with an external hexagon, that allows to tighten it by mean of a multi-use driver (manual or ratchet connection).

ANGLED MULTI-USE ABUTMENT

The 17° and 30° angled multi-use abutments help to achieve parallelism for non-parallel implants. They are can be easily connected through a multi-use holder (Ref. 023MUA) and then fixed with a prosthetic screw.

IMPORTANT NOTE

The correct position of angled abutments can be checked considering that the external hexagon of the driver is in phase with the internal hex.

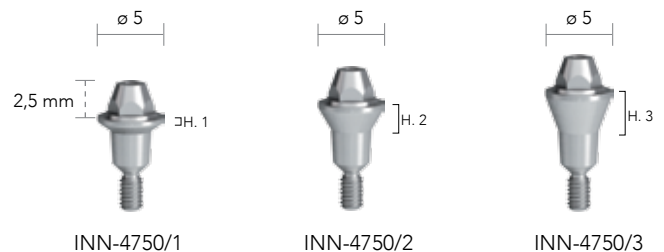
WARNING: Implant with a lenght of 6,5 mm requires the use of a specific prosthetic screw, shorter than the standard one.

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **15 Ncm**.

STRAIGHT ABUTMENTS



17° ANGLED ABUTMENTS

Complete with prosthetic screw



30° ANGLED ABUTMENTS

Complete with prosthetic screw



PROSTHETIC SCREW



INN-5146



SHORT
INN-5146S



Fig. 1 - Realization for bar prostheses or screw-retained restorations.



Fig. 2 - Cast the model.

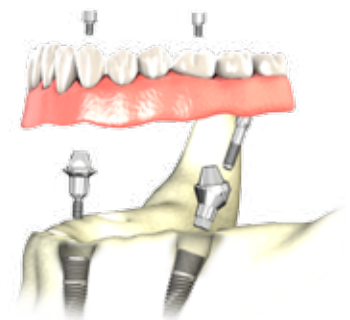


Fig. 3 - Placement of the prosthesis.

SURGICAL ACCESSORIES



**HEALING CAP
SCREW**
INN-6030



**CLOSED TRAY
TRANSFER**
INN-00611



MUA POST SCREW
INN-00612



OPEN TRAY TRANSFER
INN-00610
Complete with transfer screw

LABORATORY ACCESSORIES



**CONNECTING
SCREW**
INN-6051



MUA ANALOG
INN-00586



**TEMPORARY
ABUTMENT**
INN-5144
Complete with
connecting screw



**CASTABLE
ABUTMENT**
INN-5145
Complete with
connecting screw



**SPHERICAL
ANCHOR Ø 2.3**
INN-1023



SCAN BODY
MUA-SCAN
Compatible with
the following
libraries: 3Shape/
Exocad/Dental
Wings/Carestream/
Sicat

IMPORTANT NOTE

The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **15 Ncm**.

LABORATORY INSTRUMENTS

MULTI-USE DRIVER



MULTI-USE HOLDER
023-MUA



O-BALL MANUAL DRIVER
00440M



**O-BALL TORQUE RATCHET
DRIVER**
INN-00637

NOTE: item 00440M and INN-00637 are used also for spherical abutments



ATTACHMENT - RETAINED RESTORATIONS

SPHERICAL ANCHOR SYSTEM.....	42
EQUATOR ANCHOR SYSTEM	44
FLAT ABUTMENTS	45



SPHERICAL ANCHOR SYSTEM

INTENDED USE

Dentures retained by implants in the mandible and maxilla.



















CHARACTERISTICS

- Simple.
- Divergence compensation up to 20° between two implants.
- Minimum height for limited occlusal space.
- Reliable.
- Excellent long-term performances due to high wear on resistance of components.

SPHERICAL ANCHORS

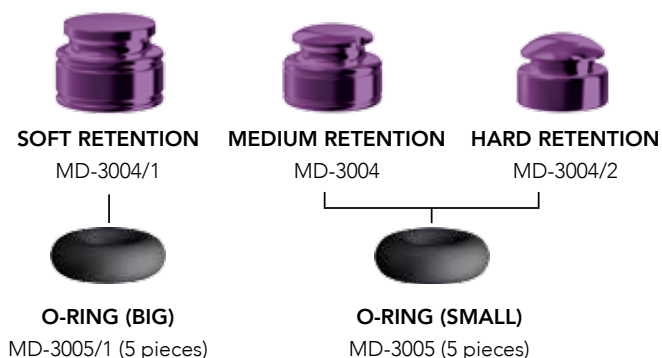
O-BALL ANALOG

TRANSFERT

Ø 1,8	SPHERICAL ANCHORS						O-BALL ANALOG	TRANSFERT
								
	INN-1040	INN-1041	INN-1042				INN-00621	INN-00624
Ø 2,3								
	INN-1060	INN-1061	INN-1062	INN-1064	INN-1065	INN-1066	INN-00623	INN-00625
Ø 2,5								
	INN-1050	INN-1051	INN-1052				INN-00622	INN-00626

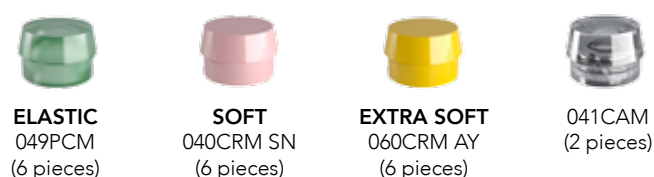
Ø 1.8 METAL HOUSINGS

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



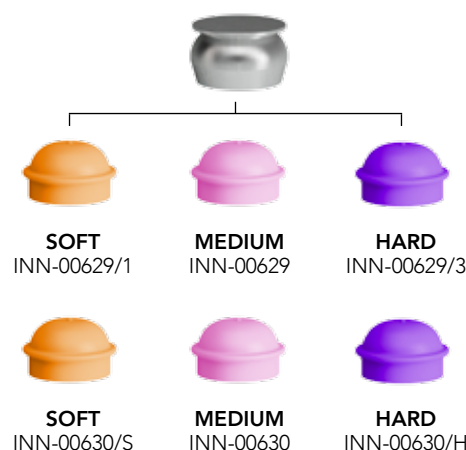
Ø 1.8 PLASTIC CAPS AND METAL HOUSING

NOTE: The metal housing is sold individually, without having a plastic cap inside.



Ø 2.3 PLASTIC CAPS AND METAL HOUSING

NOTE: The metal housing contains inside the plastic cap.



Ø 2.3 ONLY PLASTIC CAPS

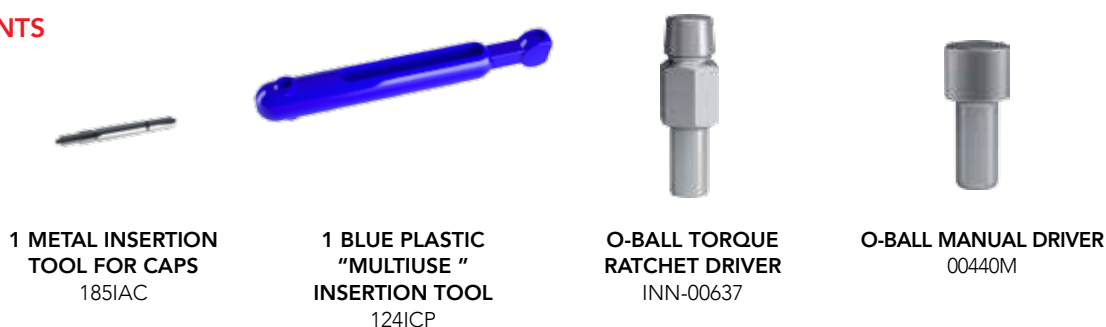
6pcs each package

Ø 2.5 PLASTIC CAPS AND METAL HOUSING

NOTE: The metal housing is sold individually, without having a plastic cap inside.



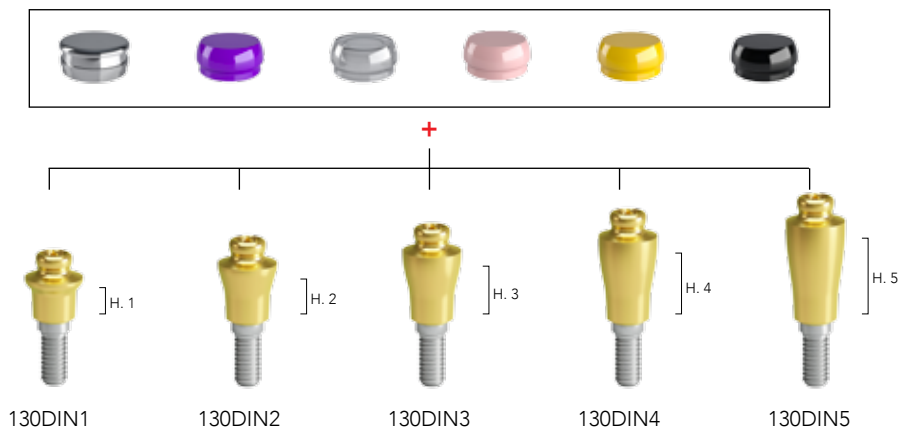
SURGICAL INSTRUMENTS



EQUATOR ANCHOR SYSTEM

COMPLETE SET INCLUDES:

- 1 Anchor abutment
- 1 Stainless steel housings
- 1 Retentive caps - violet "strong"
- 1 Retentive caps - white "standard"
- 1 Retentive caps - pink "soft"
- 1 Retentive caps - yellow "extra-soft"
- 1 Processing cap - black



CAPS WITH METAL HOUSING



**STAINLESS STEEL
HOUSINGS**
141CAE (2 pieces)



**RETENTIVE CAPS
STRONG**
140CEV (4 pieces)



**RETENTIVE CAPS
STANDARD**
140CET (4 pieces)



**RETENTIVE CAPS
SOFT**
140CER (4 pieces)



**RETENTIVE CAPS
EXTRASOFT**
140CEG (4 pieces)

LABORATORY ACCESSORIES



**PROCESSING
CAPS - BLACK**
140CEN (4 pieces)



**IMPRESSION
COPINGS**
144MTE (2 pieces)



**LABORATORY
ANALOGS**
144AE (2 pieces)



**PULL-OFF IMPRESSION
COPING**
044CAIN (2 pieces)

SURGICAL INSTRUMENTS



**1 METAL INSERTION
TOOL FOR CAPS**
185IAC



**1 BLUE PLASTIC
"MULTIUSE"
INSERTION TOOL**
124ICP



**1 SQUARE DRIVER
CONNECTOR FOR
CONTRA-ANGLE**
760CE



**1 OT-EQUATOR SQUARE
SCREWDRIVER FOR
IMPLANT ABUTMENT
(SQUARE 1,25MM)**
774CHE

FLAT ABUTMENTS



Flat abutments are screwed directly on implant. They are ideal for full-mouth rehabilitation cases and for bar-retained overdentures on implants. The design allows flexibility in the clinical situation in case of disparallelism, keeping the axis for converging and diverging implants beyond 15°.

DESIGNED USE

- Screw-retained prosthesis.
- Screw-retained bridges.
- Bar-retained overdentures on implants.
- Immediate load.

CHARACTERISTICS

- Eliminate the need for parallelism.
- Restoration supported by a wide and flat platform.
- Does not rely on retaining screw for support.
- Create stable prostheses and suitable for esthetics zones.
- They should not be used in cases in which the implant has been placed with an angle exceeding 15°.



FLAT
INN-00669



FLAT
INN-00669/3



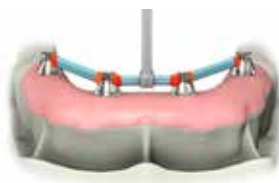
FLAT
INN-00669/4

IMPORTANT NOTE

All surgical and laboratory accessories specific for FLAT abutment are described in detail on page 54. The prosthetic components are always the same independently from FLAT abutment placed on the implant.



STEP 1 - Fix the castable abutment and make height adaptations according to the individual situation.

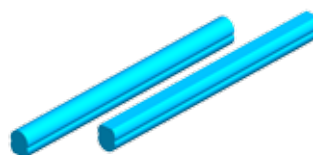


STEP 2 - Use a residue-free burn-out plastic to fix the bar segments to the castable abutments.

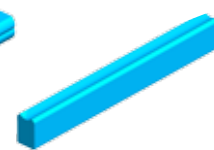


STEP 3 - Insert the clips which are fixed into the prosthesis

OT BAR



CASTABLE BAR
0220BB (2 pieces)



GINGIVAL CONNECTOR
(OPTIONAL)

PLASTIC CLIP



POSITIONING
CLIP A
023CPA (4 pieces)



POSITIONING
CLIP B
022CPB (4 pieces)



CASTABLE BOX
025CPB (4 pieces)



MEDIUM
RETENTION
027CRG (4 pieces)



SOFT
RETENTION
026CRR (4 pieces)

INSTRUMENTS



SHORT DRIVER
00578/S



TOOL FOR INSERTING CLIP
029OIC



KEY FOR PARALLELOMETER
028OCP

SLIM IMPLANTS

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CHARACTERISTICS OF DURAVIT SLIM Ø 3.4 IMPLANT

MORSE TAPER & INTERNAL HEXAGON

- Precision in positioning the prosthetic components
- Ideal solutions by respecting the parallelism
- Contact area increased between implant surface and abutment
- High stability
- EXTRACTOR NOT NEEDED

DOUBLE THREAD BODY

- Thread of increased depth and highly sharp
- Easy insertion and bone condensing
- Higher primary stability

SELF TAPPING SYSTEM

- Self tapping
- Self drilling

BACK-TAPERED CORONAL DESIGN WITH MICRO RINGS

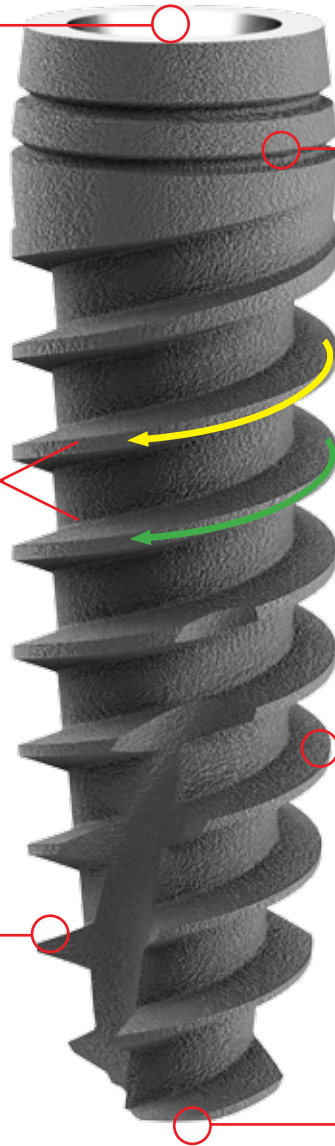
- Optimal soft tissue support
- Maximum alveolar bone volume
- Less crestal resorption

PERFECT ANATOMICAL DESIGN LIKE A RADICULAR STRUCTURE

- Innovative macromorphology, designed for a primary high stability

APICAL BLADE

- Penetrate small diameter preparations
- Optimal anchorage



SURGICAL BENEFITS

- Improved ease of insertion through the increased depth double thread coil.
- Higher primary stability.
- Higher bone condensing.
- Ideal in conditions of spongy bone (D3-D4).
- Ideal in post-extraction conditions and for immediate load.
- Require small diameter preparations.
- Titanium grade 5.

CHARACTERISTICS OF DURAVIT SLIM Ø 3 IMPLANT

MORSE TAPER & INTERNAL HEXAGON

- Precision in positioning the prosthetic components
- Ideal solutions by respecting the parallelism
- Increased contact area between implant surface and abutment
- High stability
- EXTRACTOR NOT NEEDED

MICROGROOVING COLLAR

- Primary stability increased
- Easy insertion implant
- Reduced prosthetic load
- Easy gingival tissues healing

TRIPLE THREAD BODY

- 60° rounded thread
- Increased contact area with the bone for reducing invasiveness
- Improved osseointegration

PERFECT ANATOMICAL DESIGN LIKE A RADICULAR STRUCTURE

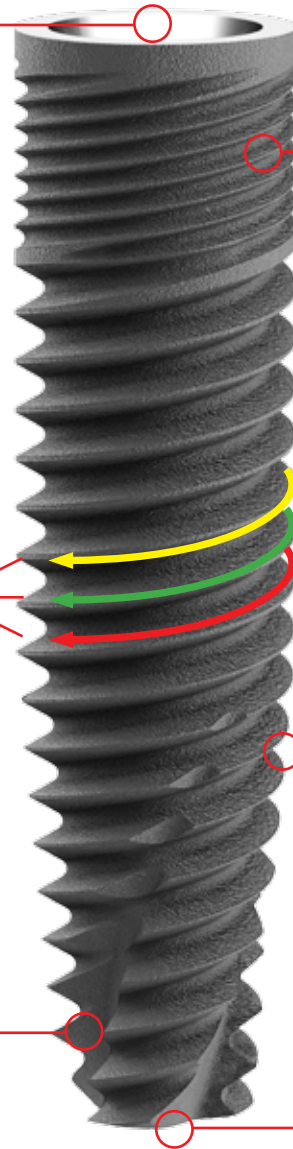
- Innovative macromorphology, designed for a primary high stability

SELF TAPPING SYSTEM

- Self tapping
- Self drilling







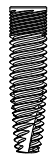

"BONE FRIENDLY" APEX

- Penetrate small diameter preparations
- Optimal anchorage



SURGICAL BENEFITS

- Progressive tapered implant and high primary stability.
- Easy, fast and stable implant insertion thanks to three thread body.
- Better control during implant placement.
- Suitable for all procedures.
- Suitable for all types of bone.

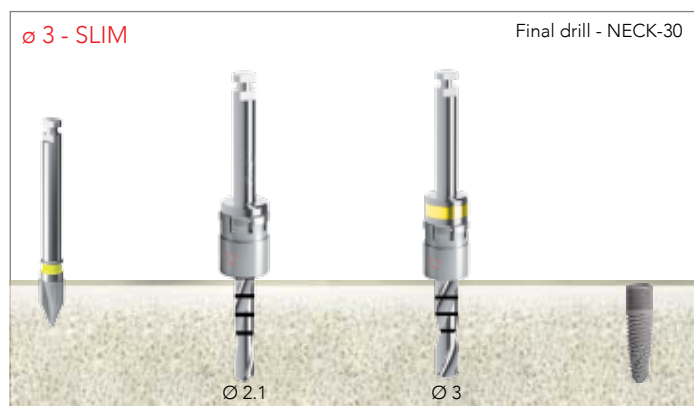
	L. 8	L. 10	L. 12	L. 14
ø 3.4				
	SL-3408	SL-3410	SL-3412	SL-3414
ø 3				
	3P-3008	3P-3010	3P-3012	3P-3014

IMPORTANT NOTE

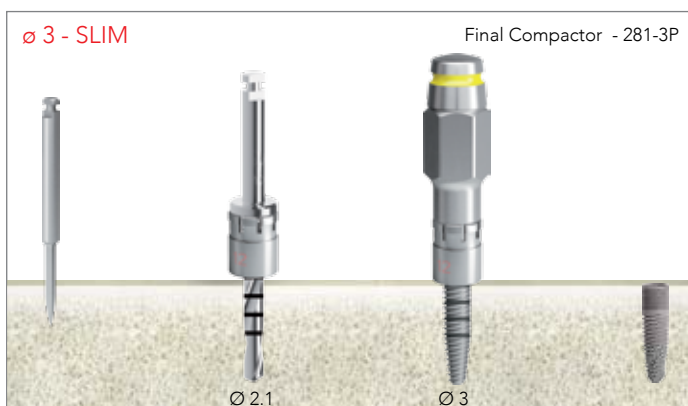
Duravit SLIM ø3.4 e ø3 require the same prosthetic components. Please note that they are different from EV, 3P and WIDE lines of implants.

IMPLANT SITE PREPARATION

SUITABLE FOR HARD BONE (D1-D2)



SUITABLE FOR USE IN BONE TENDER (D3-D4)

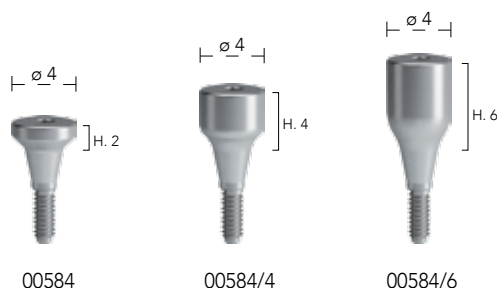


SURGICAL COMPONENTS

HEALING SCREWS (TITANIUM GRADE 5)

Each package contains 1 piece.

These components are used to rehabilitate soft tissues around the implant in order to insert the final prosthetic abutment later on.

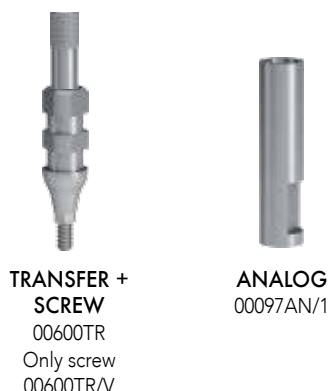


PICK-UP TRANSFER (SLIM) (OPEN TRAY TECHNIQUE)

Place the impression transfer inside the implant and make sure that 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. So take the impression (Fig. 2).

Once the material is solid, loosen the guide screw and remove the tray. Then reposition and fix the analog in the impression using the screw.

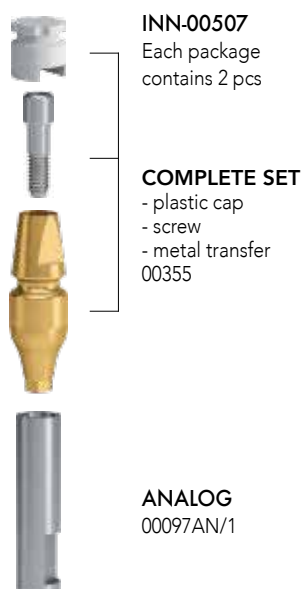


FACILITY TRANSFER (SLIM) (CLOSE TRAY TECHNIQUE)

Place the transfer impression inside the implant and make sure than the internal hex is correctly engaged before tightening with hexagon screwdriver using light finger force. After that place 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, attaching the analog and correctly reposition into the impression model.



PROSTHETIC COMPONENTS

TITANIUM AND PEEK SLIM ABUTMENTS

INTENDED USE

Cement-retained restoration.

CHARACTERISTICS

- Designed for responding to doctors' requests for procedures involving crowns and traditional bridges.
- Simplified reconstruction.
- Available in $\varnothing 4$, indicated for anterior areas and in 3 heights (h. 1,2,3 mm.) according to the gingiva.
- Optimal esthetic results, following the natural teeth preparations.

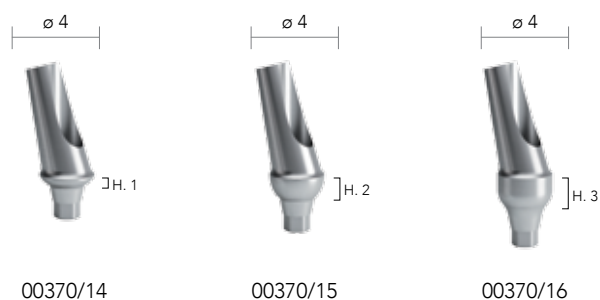
Ø 4 STRAIGHT ABUTMENTS

Complete with prosthetic screw



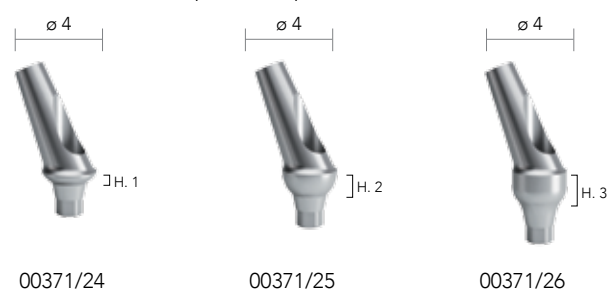
Ø 4 15° ANGLED ABUTMENTS

Complete with prosthetic screw



Ø 4 25° ANGLED ABUTMENTS

Complete with prosthetic screw



IMPORTANT NOTE

The correct position of angled abutments can be checked considering that the external hexagon of the driver is in phase with the internal hex.

TIGHTENING:



The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **25 Ncm**.

PEEK ABUTMENT Ø 4



SL-2081P

PROSTHETIC SCREW



00358/V

CASTABLE ABUTMENTS SLIM

INTENDED USE

Cemented-retained bridges by mesostructure (personalized abutment technique).

CHARACTERISTICS

- The individual realization of the individual emergence profile and the adaptation to the gum margin allow achieving optimal aesthetic results.
- Easy removal of cement in excess, increasing the limit with the aid of a individually designed mesostructure.

CASTABLE ABUTMENTS Ø 4

Complete with prosthetic screw



00358CA

PROSTHETIC SCREW



00358/V

TI BASE CEREC®

NOTE:



Scanbodies are included in ScanPost and TiBase for the implant optical acquisition. The grey cap is used with omnicam system. The white cap is used with bluecam system. 2 different connections are available: S (code: 6431295) and L (code: 6431303).

TI BASE CEREC® (linea S)

Complete with prosthetic screw



00655

PROSTHETIC SCREW



00358/V

MULTI-SCAN ABUTMENT

INTENDED USE

- Cement-retained restorations.

CHARACTERISTICS

- Possibility to create a transmucosal profile customized for every single patient.
- NIMETIC CEM (3M Espe), PANAVIA 21 (Kuraray Medical Inc.) are the materials recommended for bonding the prosthetic manufacture.

NOT ROTATING SCANBASE

Complete with prosthetic screw



00652

ROTATING SCANBASE

Complete with prosthetic screw



00652/R

PROSTHETIC SCREW



00358/V

SCANBODY



SL-SCAN

FLAT ABUTMENTS

Flat abutments are screwed directly on implant. They are ideal for full-mouth rehabilitation cases and for bar-retained overdentures on implants. They are designed with a wide and flat platform on which can be applied customizable castable or temporary abutments. These are fixed through a prosthetic screw that can be screwed inside of the flat abutment because it is provided with internal hexagon and thread.

DESIGNED USE

- Screw-retained prostheses.
- Screw-retained bridges.
- Bar-retained overdentures on implants.
- Immediate load.

CHARACTERISTICS

- Eliminate the need for parallelism.
- Restoration supported by a wide and flat platform.
- Does not rely on retaining screw for support.
- Create stable prostheses and suitable for esthetics zones.
- They should not be used in cases in which the implant has been placed with an angle exceeding 20°.



FLAT
SL-00669

FLAT
SL-00669/3

FLAT
SL-00669/4

TIGHTENING:



The tightening of the flat abutment has to be realized through a torque ratchet and the driver 00578/S. For the final seating are recommended torques of **20 Ncm**.

SURGICAL INSTRUMENTS



**TORQUE RATCHET MOUNTERS
SHORT WITHOUT SPRING**
00578/S

SURGICAL ACCESSORIES



HEALING SCREW
INN-00733



**CLOSED
TRAY TRASFER**
INN-00737

LABORATORY ACCESSORIES



**CONNECTING
SCREW**
INN-00690



FLAT ANALOG
INN-00736



**CASTABLE
ABUTMENT**
INN-00687
Complete with
connecting screw



**TEMPORARY
ABUTMENT**
INN-00687/1
Complete with
connecting screw

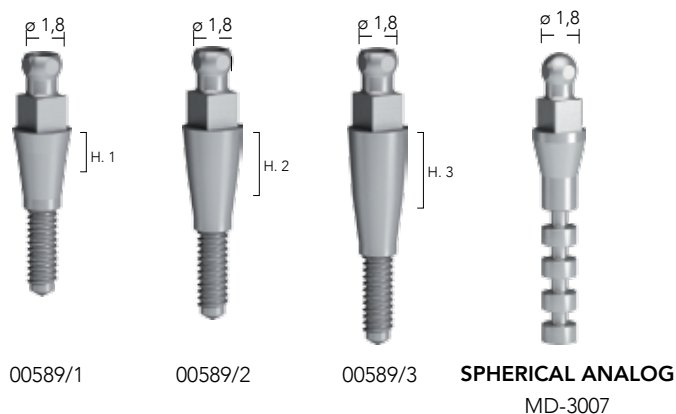
IMPORTANT NOTE

The tightening of the prosthetic screw is realized with the 1.27 hex screwdriver and torque ratchet. For the final seating are recommended torques of **15 Ncm**.

SPHERICAL ANCHOR SYSTEM



O-ball abutments for SLIM implants require metal housings of $\varnothing 1.8$. It can be chosen most suitable retention to the clinical case. **Specific surgical instruments have to be used for their positioning, which are the same for the placement of MINI DURAVIT IMPLANT.**



TIGHTENING:



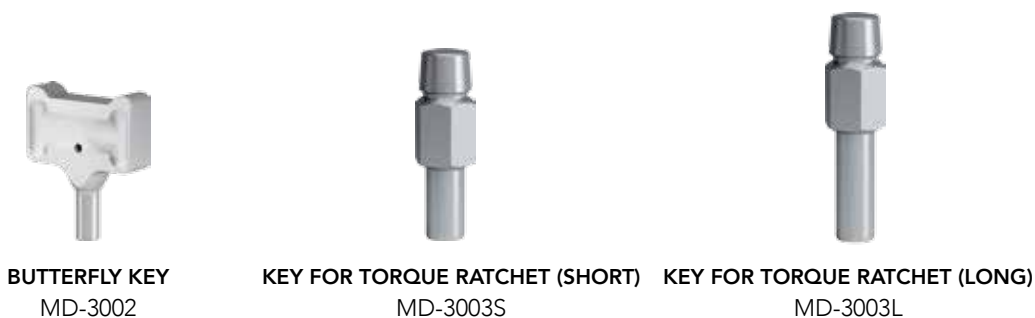
The tightening of spherical abutments has to be realized through the combination of a torque ratchet and a driver. For the final seating are recommended torques of **20 Ncm**.

Ø 1.8 PLASTIC CAPS AND METAL HOUSING

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



SURGICAL INSTRUMENTS





DURAVIT MINI IMPLANTS










O-BALL DURAVIT MINI IMPLANTS.....	58
SQUARE HEADS DURAVIT MINI IMPLANTS.....	58
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CHARACTERISTICS







O-BALL DURAVIT MINI IMPLANTS

The O-BALL DURAVIT MINI IMPLANT line offers immediate long-term stability for removable prostheses, as well as functionality. They are available in 3 diameters (2.0 – 2.4 – 2.5) and in 3 different lengths (L. 10 – 13 – 15). They are supplied with a metal housing provided with medium retention O-ring , Ref. MD-3004.

	L. 10	L. 13	L. 15
ø 2			
	MD/20/10	MD/20/13	MD/20/15
FINE THREAD BONE D1-D2			
ø 2.4			
	MD/24/10	MD/24/13	MD/24/15
WIDE THREAD BONE D3-D4			
ø 2.5			
	MD/25/10	MD/25/13	MD/25/15
FINE THREAD BONE D1-D2			

DURAVIT ABUTMENT MINI IMPLANT

ABUTMENT MINI IMPLANTS are mini implants with square heads, which produce a strong primary stability with immediate functionality. They are mostly placed in anterior sites to replace laterals, cuspids, and bicuspid. Generally they are used for specific single-tooth restorations. They require the use of castable square head caps with the function of transfer and abutment, Ref. MD-3006, and these need to be modeled and cast to achieve abutment. They are available in 2 diameters (2.4 – 2.5) and in 3 different lengths (L. 10 – 13 -15).

	L. 10	L. 13	L. 15
ø 2.4			
	MA/24/10	MA/24/13	MA/24/15
WIDE THREAD BONE D3-D4			
ø 2.5			
	MA/25/10	MA/25/13	MA/25/15
FINE THREAD BONE D1-D2			

SURGICAL PROTOCOL



O-BALL DURAVIT MINI IMPLANTS



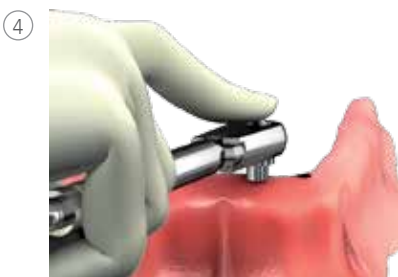
① Mark each entry point on patient's tissue with 1.5 pilot drill. It has to be pumped up and down until the cortical plate is penetrated.



② Carry the implant to the site with the plastic mounter and screw 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 ratchet and implant driver will then finalize the insertion process.



⑤ Relieve denture to accommodate the metal housings for the placed implants.



⑥ Seat denture in patient's mouth and patiently apply normal bite pressure in centric occlusion.

DURAVIT ABUTMENT MINI IMPLANT



① Mark each entry point on patient's tissue with 1.5 pilot drill. It has to be pumped up and down until the cortical plate is penetrated.



② Carry the implant to the site with the plastic mounter and screw 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 ratchet and implant driver will then finalize the insertion process.



⑤ Prepare a temporary or definitive tooth to be cemented on the mini implant.



⑥ Rehabilitated case.

PROSTHETIC COMPONENTS

COLLARED O-BALL



COLLARED ANALOG
MD-3007



SQUARE HEAD



**COLLARED SQUARE
HEAD ANALOG**
MA-1007



O-BALL CAPS



**TEMPORARY
CAP**
MD-3013



TRANSFER CAP
MD-3014

STRAIGHT ABUTMENT



MD-3010

SQUARE HEAD CAPS



CASTABLE
MD-3006

PCV PROTECTION



MD-3008

METAL HOUSING



SOFT RETENTION
MD-3004/1



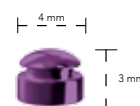
O-RING (BIG)
MD-3005/1 (5 pezzi)



MEDIUM RETENTION
MD-3004



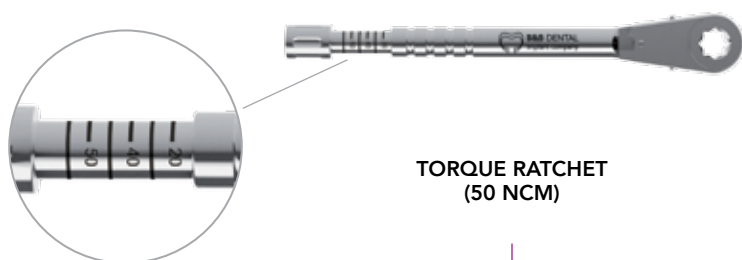
O-RING (SMALL)
MD-3005 (5 pezzi)



HARD RETENTION
MD-3004/2

DURAVIT MINI IMPLANT KIT

REF. 00075SC



TORQUE RATCHET
(50 NCM)



PREPARATION DRILL



BUTTERFLY KEY



KEY FOR TORQUE RATCHET

Torque ratchet (50 ncm)

Ref. 00376DIN

Preparation drill Ø 1.5

Ref. MD-3001

Preparation drill Ø 2

Ref. MD-3001/20

Butterfly key

Ref. MD-3002

Key for torque ratchet (Long)

Ref. MD-3003L

Key for torque ratchet (Short)

Ref. MD-3003S



SURGICAL KIT

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3P, EV AND SL SURGICAL KIT

REF. 3P-00092SC



TORQUE RATCHET MOUNTER (SLIM)



PARALLEL PIN 4 PZ - TITANIUM



IMPLANT DRIVER FOR 3P, EV AND WIDE IMPLANTS



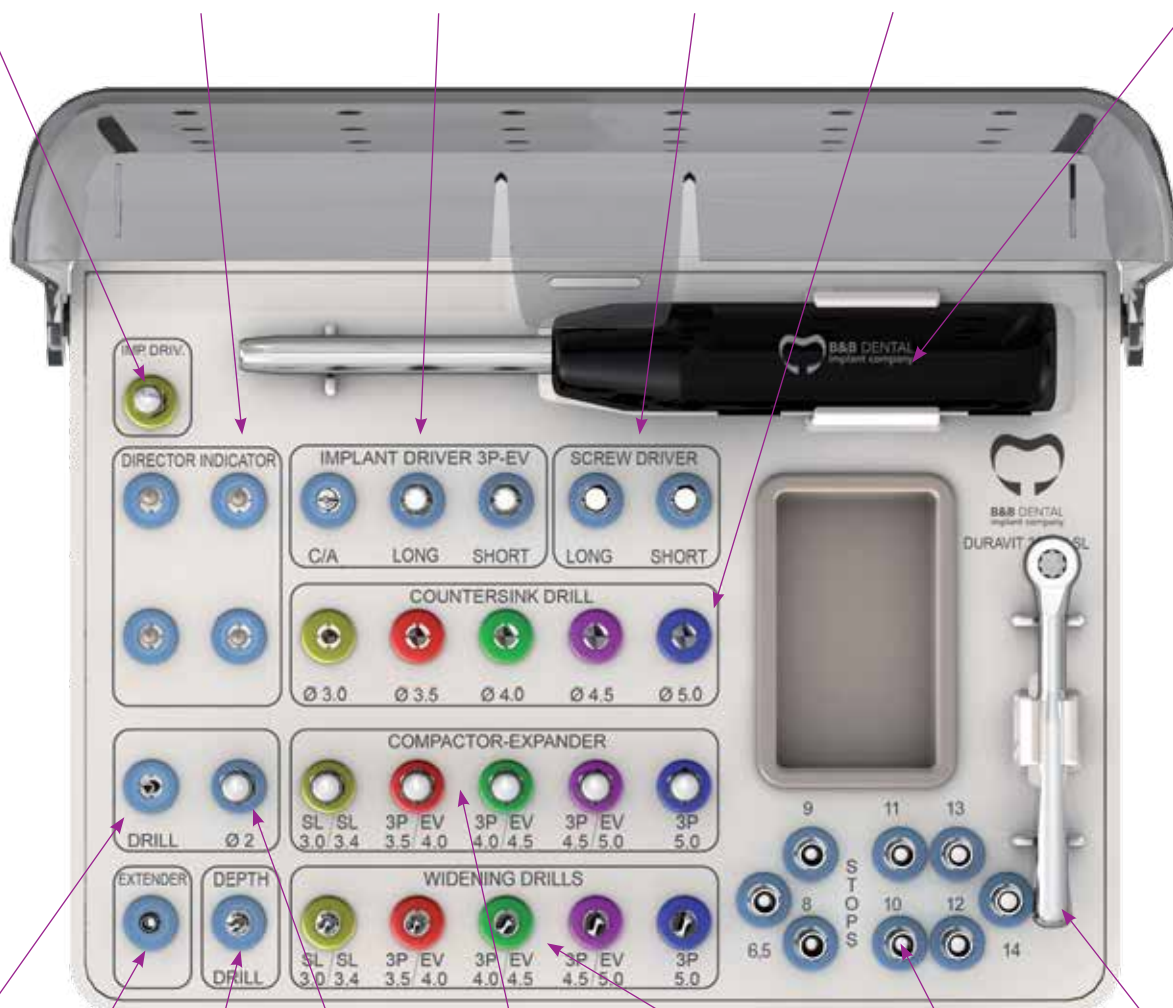
PROSTHETIC SCREWDRIVERS



COUNTERSINK DRILL



STRAIGHT MANUAL KEY



LANCE DRILL



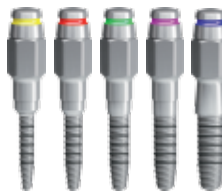
EXTENDER



DRILL Ø 2.1



COMPACTOR Ø 2.1



COMPACTOR



CONICAL DRILL



STOPPER



UNIVERSAL RATCHET



Extender	Ref. 00236N	Metal stopper L. 6,5 mm	Ref. STOP06
Lance drill	Ref. 147-021	Metal stopper L. 8 mm	Ref. STOP01
Depth drill Ø 2.1	Ref. 00074CUT	Metal stopper L. 9 mm	Ref. STOP07
Conical drill Ø 3	Ref. 00075CUT	Metal stopper L. 10 mm	Ref. STOP02
Conical drill Ø 3.5	Ref. 3P-35CUT	Metal stopper L. 11 mm	Ref. STOP08
Conical drill Ø 4	Ref. 3P-40CUT	Metal stopper L. 12 mm	Ref. STOP03
Conical drill Ø 4.5	Ref. 3P-45CUT	Metal stopper L. 13 mm	Ref. STOP09
Conical drill Ø 5	Ref. 3P-50CUT	Metal stopper L. 14 mm	Ref. STOP04
Compactor-expander Ø 2.2	Ref. 201-3P	Support for stopper (8 pcs)	Ref. SUP-STOP3P
Compactor-expander Ø 3	Ref. 281-3P	Director indicator (4 pcs)	Ref. 00441T
Compactor-expander Ø 3.5	Ref. 331-3P	Implant driver SLIM (Long)	Ref. 00578/L
Compactor-expander Ø 4	Ref. 381-3P	Implant insertion key (contra-angle)	Ref. INN-00581
Compactor-expander Ø 4.5	Ref. 431-3P	Implant driver (Long)	Ref. INN-00590/2
Compactor-expander Ø 5	Ref. 481-3P	Implant driver (Short)	Ref. INN-00590/1
Countersink drill Ø 3	Ref. NECK-30	Prosthetic screwdriver (Long)	Ref. INN-61000L
Countersink drill Ø 3.5	Ref. NECK-35	Prosthetic screwdriver (Short)	Ref. INN-61000
Countersink drill Ø 4	Ref. NECK-40	Universal ratchet	Ref. 00376
Countersink drill Ø 4.5	Ref. NECK-45	Straight manual key	Ref. 3P-00090CM
Countersink drill Ø 5	Ref. NECK-50		

3P, EV AND SL REDUCED SURGICAL KIT

REF. 3P-00095SC



TORQUE RATCHET MOUNTER (SLIM)



IMPLANT DRIVER FOR 3P, EV AND WIDE IMPLANTS



PROSTHETIC SCREWDRIVERS



COUNTERSINK DRILL



STRAIGHT MANUAL KEY



CONICAL DRILL



LANCE DRILL



DRILL Ø 2.1



STOPPER



TITANIUM PARALLEL PIN



EXTENDER



UNIVERSAL RATCHET



Lance drill	Ref. 147-021
Depth drill Ø 2.1	Ref. 00074CUT
Metal stopper L. 8 mm	Ref. STOP01
Metal stopper L. 10 mm	Ref. STOP02
Metal stopper L. 12 mm	Ref. STOP03
Metal stopper L. 14 mm	Ref. STOP04
Support for stopper (4 pcs)	Ref. SUP-STOP3P
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
Extender	Ref. 00236N
Countersink drill Ø 3	Ref. NECK-30
Countersink drill Ø 3.5	Ref. NECK-35
Countersink drill Ø 4	Ref. NECK-40
Countersink drill Ø 4.5	Ref. NECK-45
Countersink drill Ø 5	Ref. NECK-50
Implant driver SLIM (Long)	Ref. 00578/L

Implant driver (Long)	Ref. INN-00590/2
Implant driver (Short)	Ref. INN-00590/1
Prosthetic screwdriver (Long)	Ref. INN-61000L
Prosthetic screwdriver (Short)	Ref. INN-61000
Director indicator (2 pcs)	Ref. 00441T
Universal ratchet	Ref. 00376
Straight manual key	Ref. 3P-00090CM

WIDE SURGICAL KIT

REF. WIDE-00092SC



IMPLANT DRIVER FOR 3P,
EV AND WIDE IMPLANTS



UNIVERSAL
RATCHET



PROSTHETIC
SCREWDRIVERS



WIDE CONICAL
DRILL

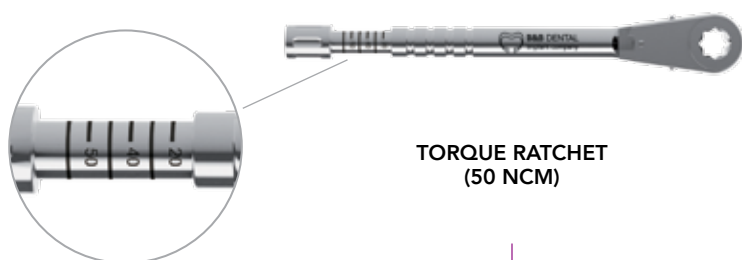


STOPPER

WIDE drill Ø 5,5	Ref. WIDE-55CUT	WIDE metal stopper L. 12 mm	Ref. W-STOP12
WIDE drill Ø 6	Ref. WIDE-60CUT	Support for stopper (4 pcs)	Ref. SUP-STOPWIDE
WIDE drill Ø 6,5	Ref. WIDE-65CUT	Implant driver (Short)	Ref. INN-00590/1
WIDE drill Ø 7	Ref. WIDE-70CUT	Implant driver (Long)	Ref. INN-00590/2
WIDE metal stopper L. 6 mm	Ref. W-STOP06	Prosthetic screwdriver (Long)	Ref. INN-61000L
WIDE metal stopper L. 8 mm	Ref. W-STOP08	Prosthetic screwdriver (Short)	Ref. INN-61000
WIDE metal stopper L. 10 mm	Ref. W-STOP10	Universal ratchet	Ref. 00376

PROSTHETIC KIT

REF. KITPROTESICO



**TORQUE RATCHET
(50 NCM)**



**PROSTHETIC
SCREWDRIVERS**



SPHERICAL DRIVER



MANUAL DRIVER



EXTRACTOR

Torque ratchet (50 ncm)

Ref. 00376DIN

Spherical driver

Ref. INN-00637

Extractor

Ref. INN-6060

Manual driver

Ref. INN-00604

Prosthetic screwdrivers short

Ref. INN-00604

Prosthetic screwdrivers long

Ref. INN-61000L

COMPONENTS OF SURGICAL KIT

SURGICAL FACILITIES

Parallel pin, placed in the implant site, helps to facilitate the direction of the subsequent drilling.

Tissue punch allows to punch the mucosa according to the selected implant diameter. It requires the use of a contra-angle set at a low speed.

Template helps the surgeon in selecting the correct implant that has to be inserted. The whole range of Duravit 3P implants is illustrated in two scales. The first one shows real dimensions and the second instead takes into account panoramic distortions, therefore dimensions are increased by 25%.

PARALLEL PIN



00441T

TISSUE PUNCH



00090BM
ø 3 mm



00091BM
ø 4 mm

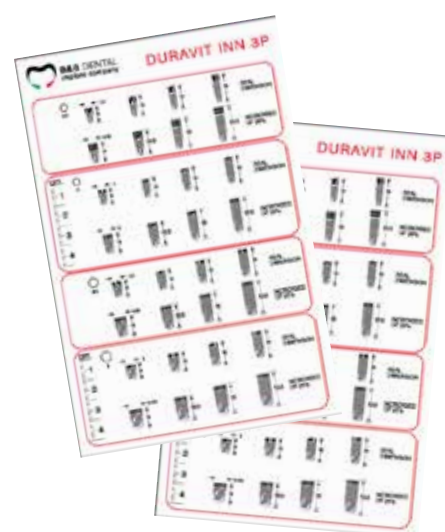


00092BM
ø 4,5 mm



00093BM
ø 5 mm

TEMPLATE 3P-09



INITIAL DRILL

Extender drill

Increase the operating length of the drills during the surgery.

Lance drill

Mark out and create the insertion point, penetrating cortex in order to evaluate bone quantity and quality.

Rounded drill

It is used to smooth out the ridges.



EXTENDER
00236N



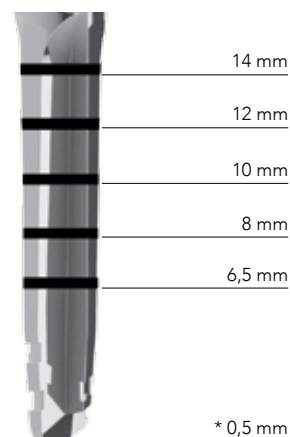
LANCE DRILL
147-021



ROUNDED DRILL
000100

CONICAL DRILL

- The surgical drills are available in sequential diameters.
- They are made of surgical stainless steel and have to be used with external irrigation.
- All drills are colored and they have a laser marking of the implant diameter for an easy identification during the surgery.
- As shown below, the grooves on drills help to prepare the length of the implant site.
- 5 laser lines, which give an indication of the implant site depth.



***IMPORTANT:**
0.5 mm must be added to the length of the drill taking into account the angled cutting tip.



Color code	● ø 2.1	● ø 3	● ø 3.5	● ø 4	● ø 4.5	● ø 5
Real diameter	ø 2.1	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

STANDARD STOPPER

The metal stoppers ensure a depth control simple and accurate.

- Laser marking for immediate identification of the length.
- Wide range of stoppers of various depths, from 6 to 15 mm.
- Quick and easy to assemble.

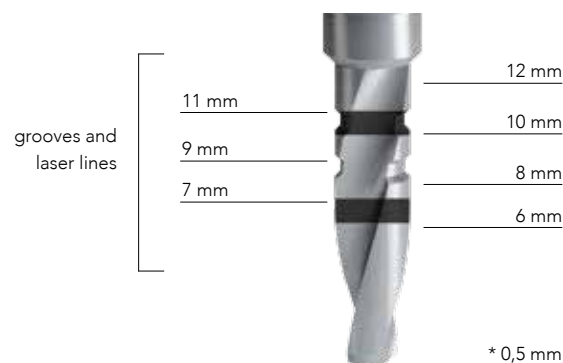
NOTE: Metal stopper can NOT be mounted on ø 5 conical drill and on ø 5 compactor – expander.



Length	04 mm	05 mm	06 mm	07 mm	08 mm	09 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm
Ref	STOP12	STOP05	STOP06*	STOP11	STOP01	STOP07*	STOP02	STOP08*	STOP03	STOP09*	STOP04	STOP10*

SHORT CONICAL DRILL

- The surgical drills are available in sequential diameters.
- They are made of surgical stainless steel and have to be used with external irrigation.
- All drills are colored and they have a laser marking of the implant diameter for an easy identification during the surgery.
- As shown below, the grooves on drills help to prepare the length of the implant site.
- Two laser lines, from 6 to 7 mm and from 10 to 11.



*IMPORTANT:

0.5 mm must be added to the length of the drill taking into account the angled cutting tip.

Color code						
Real diameter	ø 2.1	ø 3	ø 3.5	ø 4	ø 4.5	ø 5
Ref	74SHORT	75SHORT	76SHORT	77SHORT	78SHORT	79SHORT

SHORT STOPPER

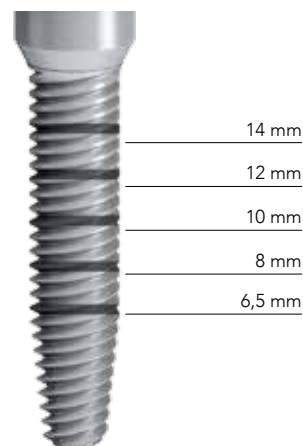
- The metal stoppers ensure a depth control simple and accurate.
- Quick and easy to assemble.
 - Laser marking for immediate identification of the length.

NOTE: Metal stopper can NOT be mounted on ø 5 conical drill and on ø 5 compactor – expander.













Length	06 mm	08 mm	10 mm	12 mm
Ref	STOP-06S	STOP-08S	STOP-10S	STOP-12S

COMPACTOR-EXPANDER

- Compactors-expanders are available in sequential diameters.
- They are made of surgical stainless steel.
- All compactors-expanders are colored and have a laser marking of the implant diameter for an easy identification during the surgery.
- As shown below, the laser lines on compactors-expanders help to prepare the length of the implant site.












NOTE: Standard stopper can be applied (check them on page 55).

						
Color code	 \varnothing 2.1	 \varnothing 3	 \varnothing 3.5	 \varnothing 4	 \varnothing 4.5	 \varnothing 5
Real diameter	\varnothing 2.1	\varnothing 2.8	\varnothing 3,3	\varnothing 3,8	\varnothing 4,3	\varnothing 4,8
Ref	201-3P	281-3P	331-3P	381-3P	431-3P	481-3P

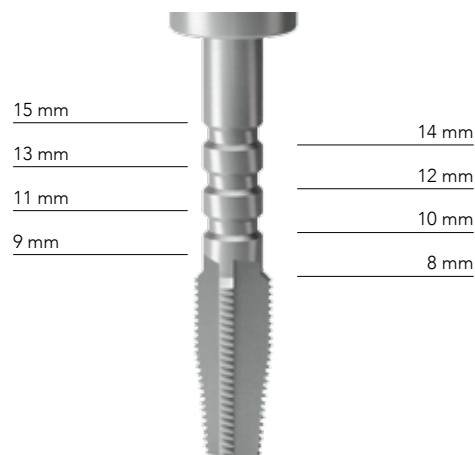
COUNTERSINK DRILL






They are used in case of dense bone to ensure passive fit of the implant neck into the surgical site. These drills are indeed designed to enlarge the crestal area of the implant site.

					
Color code	 \varnothing 3	 \varnothing 3.5	 \varnothing 4	 \varnothing 4.5	 \varnothing 5
Real diameter	\varnothing 3	\varnothing 3,5	\varnothing 4	\varnothing 4,5	\varnothing 5
Ref	NECK-30	NECK-35	NECK-40	NECK-45	NECK-50

BONE TAP

The bone taps are used to prepare the implant thread profile into the implant site, reducing the bone pressure. The tapping of the site should be performed with ratchet as the last step prior to implant placement.



					
Color code	● ø 3	● ø 3.5	● ø 4	● ø 4.5	● ø 5
Real diameter	ø 3	ø 3,5	ø 4	ø 4,5	ø 5
Ref	TAP-30	TAP-35	TAP-40	TAP-45	TAP-50

REAMER

In case of exceeding bone, grown over the implant, the reamer permits its removal for a better insertion of the surgical and prosthetic components.



REAMER
ALES-01



Implant covered by the bone



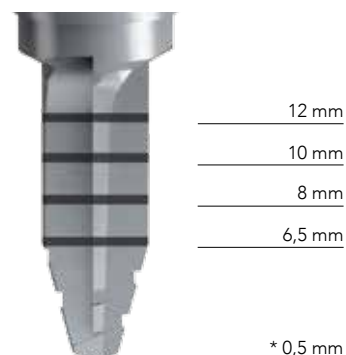
Bone removal by reamer



Bone removed for a better abutment insertion

WIDE CONICAL DRILL

- The surgical drills are available in sequential diameters.
- They are made of surgical stainless steel and has to be used with external irrigation.
- All drills are colored and they have a laser marking of the implant diameter for an easy identification during the surgery.
- 4 laser lines help the surgeon while he is preparing the implant site.



***IMPORTANT:**
0.5 mm must be added to the length of the drill taking into account the angled cutting tip.



Color code	● $\varnothing 5.5$	● $\varnothing 6$	● $\varnothing 6.5$	● $\varnothing 7$
Real diameter	$\varnothing 5.2$	$\varnothing 5.7$	$\varnothing 6.2$	$\varnothing 6.7$
Ref	WIDE-55CUT	WIDE-60CUT	WIDE-65CUT	WIDE-70CUT

WIDE STOPPER

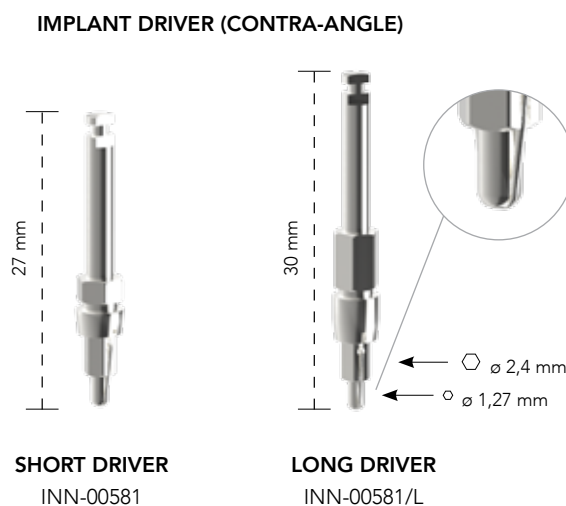
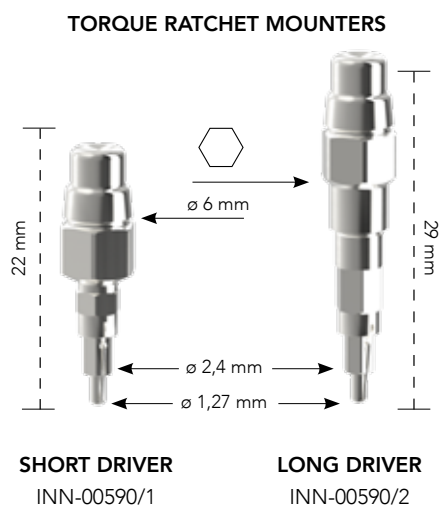
- The metal stoppers ensure a depth control simple and accurate.
- Quick and easy to assemble.
 - Laser marking for immediate identification of the length.



Length	06 mm	08 mm	10 mm	12 mm
Ref	W-STOP06	W-STOP08	W-STOP10	W-STOP12

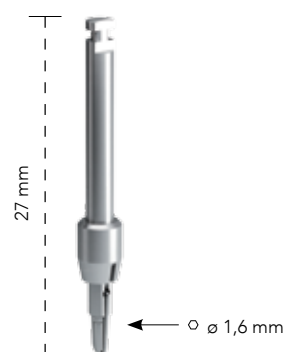
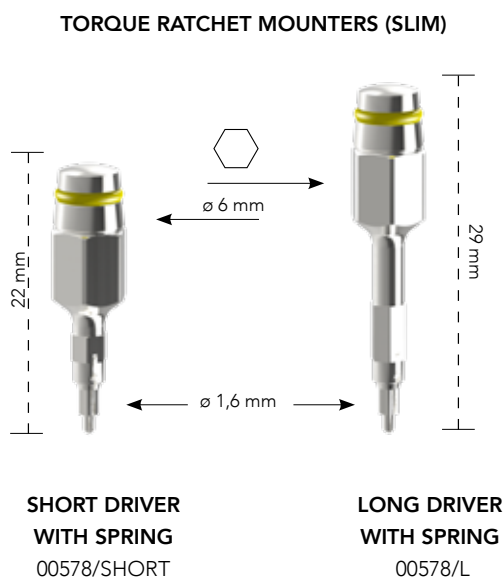
IMPLANT DRIVER FOR 3P, EV AND WIDE IMPLANTS

- Implant drivers in stainless steel used for the final placement of the 3P, EV and WIDE implants.
- The external hexagon of the key is in phase with the internal hex, this allows to have immediately the correct position of angled abutments during the insertion and the final placement.



IMPLANT DRIVER FOR SLIM IMPLANTS

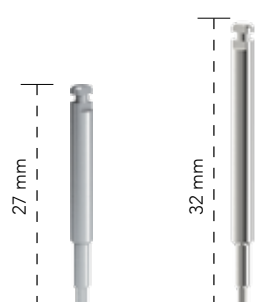
- Implant drivers in stainless steel used for the final placement of SLIM implants.
- The external hexagon of the key is in phase with the internal hex, this allows to have immediately the correct position of angled abutments during the insertion and the final placement.



IMPLANT DRIVER FOR CONTRA-ANGLE (SLIM)
00578/DRILL

PROSTHETIC HEX DRIVER

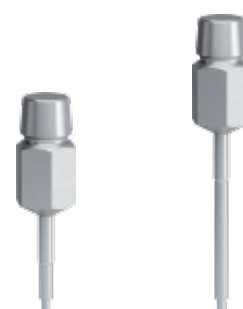
- Hex driver 1.27mm (stainless steel).
- For all types of cover screws, healing abutments and prosthetic screws.



HANDPIECE DRIVER
SHORT INN-00602
LONG INN-00602L



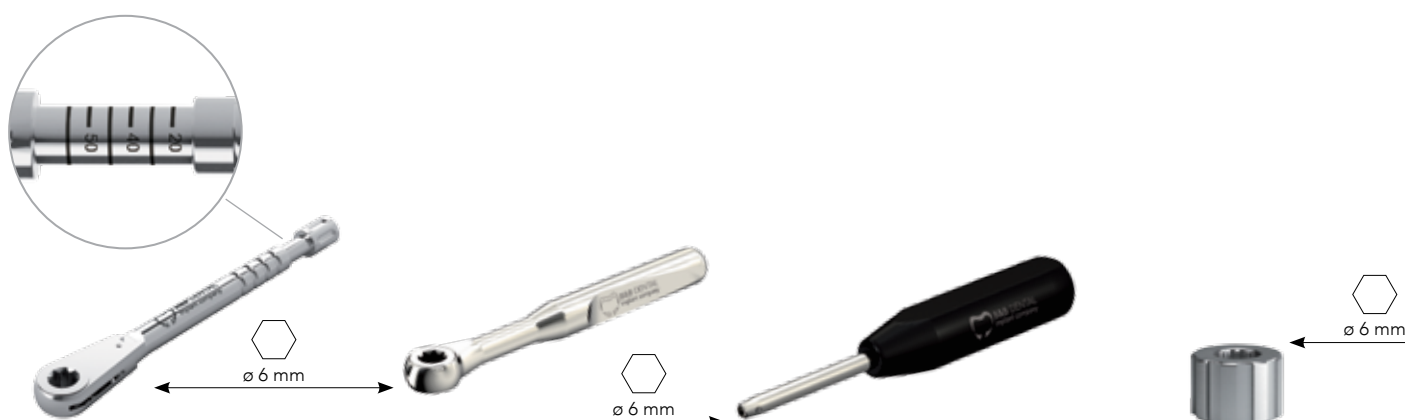
MANUAL DRIVERS
SHORT INN-00604
LONG INN-00604L



PROSTHETIC SCREWDRIVERS
SHORT INN-61000
LONG INN-61000L

RATCHET & MANUAL KEY

- Finger driver allows to transform the torque ratchet driver in manual driver. It can be used both on implant drivers and on prosthetic screwdrivers.
- The torque ratchet is ideal for the implant insertion and for the fixing of the prosthetic screws. It allows the clinician to accurately apply the recommended preload torque for surgery and prosthetics.

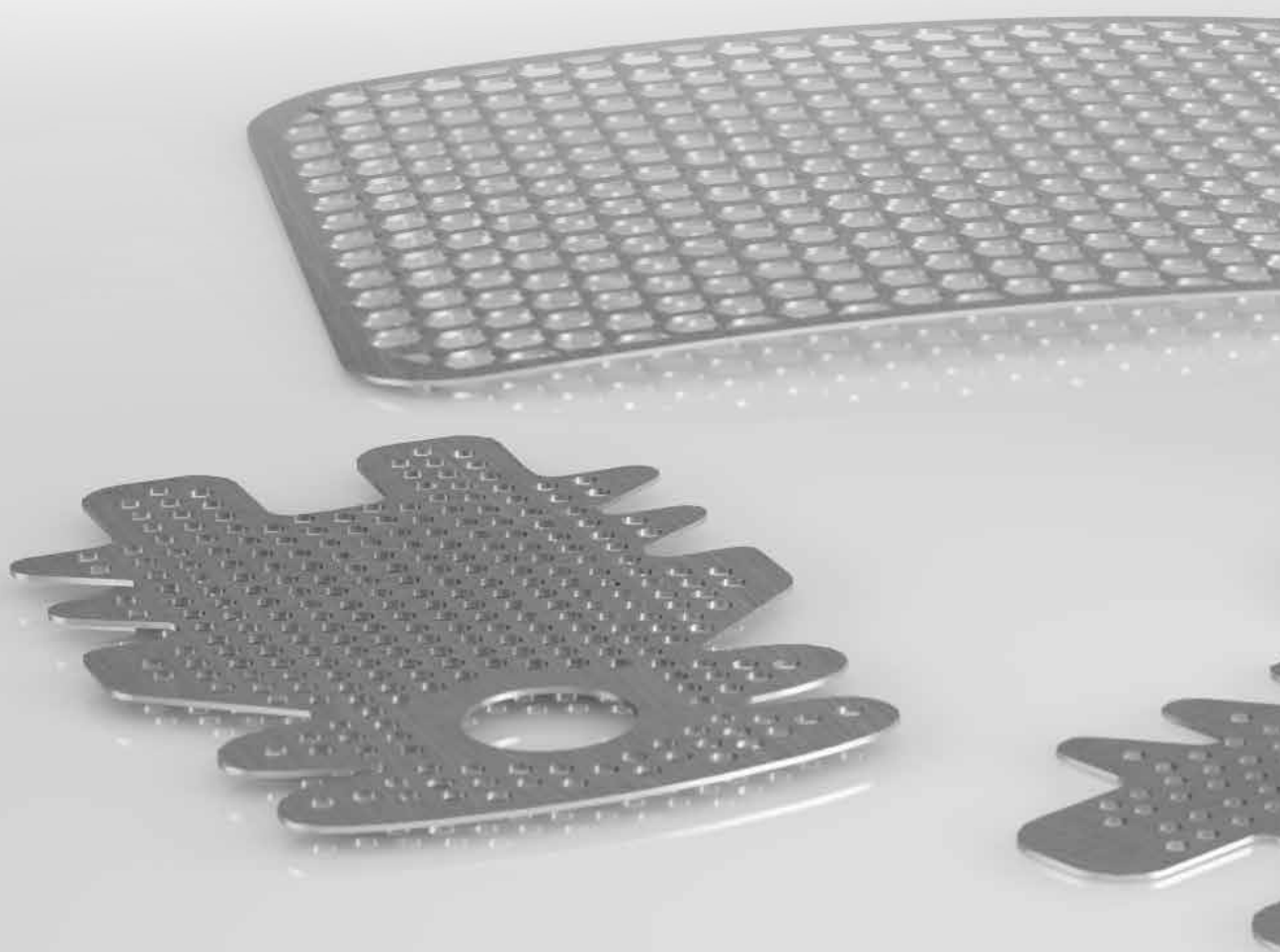


TORQUE RATCHET 50 N/cm
 00376DIN

UNIVERSAL RATCHET
 00376

STRAIGHT MANUAL KEY
 3P-00090CM

FINGER DRIVER
 BB/001



MATERIAL FOR BONE REGENERATION

NOVOCOR PLUS.....	80
T-BARRIER COLLAGEN MEMBRANES.....	81
T-BARRIER TITANIUM MEMBRANES WITH CENTRAL HOLE.....	81
T-BARRIER TITANIUM MEMBRANES.....	82
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IMPLANT SITE PREPARATION	86
COMPONENTS OF SURGICAL KIT	86
SAFETY IMPLANT MEMBRANE.....	86



NOVOCOR PLUS

NOVOCOR PLUS is a medical device made of granules of natural coral with a low surface-to-volume ratio included between 200 and 500 μm . Madreporic coral, also known as coral hydroxyapatite, consists of 98% calcium carbonate in the form of aragonite (CaCO_3).

PROPERTIES

- Bone graft natural material.
- Slow resorption and direct integration by new bone formation.
- Dimensional stability in the long term.
- Osteoconductive.
- 100% mineral.
- No foreign body or inflammatory reactions.
- Absorption of hydrophilic surface and optimal cell adhesion.
- Secure and sterile.
- Easy to apply.

INDICATIONS:

- Maxillary sinus lift.
- Horizontal augmentation.
- Intraosseous defects.
- Peri-implant defects.
- Extraction sockets.
- Vertical augmentation.
- Furcation defects.

PACKAGING

Each package contains 4 capsules of 0.5 grams.
Grain size: 0.2 - 0.5 mm.



HISTOLOGICAL ANALYSIS PERFORMED ON A NOVOCOR PLUS IMPLANT, INSERTED INTO THE HUMAN BONE IN MAXILLARY SINUS LIFT.

"DEPARTMENT OF MAXILLOFACIAL SURGERY AND DENTISTRY"

University of Naples "Federico II" (2003)

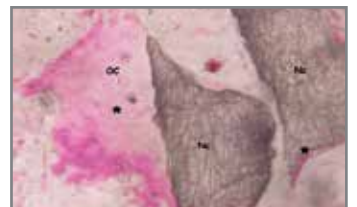
Coral sample taken from the patient after 8 months:



final radiograph after 8 months. We observe a good osteointegration between the granules of Novocor and new bone trabeculas.



MICRO X-RAY AT HIGHER MAGNIFICATION: a grain of Novocor (Nc) integrated into the newly formed trabecular bone; the arrows show the erosion of the coral grain with the replacement of highly mineralized bone.



It is clear the bone mineralization around Novocor granules without the interposition of connective tissue.

T-BARRIER COLLAGEN MEMBRANES



T-Barrier collagen membranes are a type-1 native heterologous equine collagen, indicated in guided tissue regeneration procedures to enhance the healing.

PROPERTIES

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

CLINICAL APPLICATIONS

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



Ref. 00223

PACKAGING

Each package contains 2 membranes.
Size: 23 x 23 mm - Thickness: 0,25 mm



T-BARRIER TITANIUM MEMBRANES WITH CENTRAL HOLE

The titanium grid with central hole is suitable for cases of guided bone regeneration that requires the use of a locking screw, included in the package, which is screwed into the implant. Implant and membrane can be placed in the same phase. However for a better fixing this membrane can also be stabilized using osteosynthesis screws.



Ref. 00532/12

T-BARRIER TITANIUM MEMBRANES

PROPERTIES

- Perfect biocompatibility.
- Easy to apply into the defected site.
- Easy to cut.

CLINICAL APPLICATIONS

The grids are indicated in all cases of guided bone regeneration, especially in view of a subsequent rehabilitation with intraosseous implants.

They can be used on both the upper and lower dental arches of patients with bone defects which limit or prevent the possibility of implantology treatment.

PACKAGING

They are supplied in blister affordable, non-toxic, non-pyrogenic and sterile.

Each package contains two membranes.

Dimensions: 24x29mm.

Thickness: 0.13 mm.



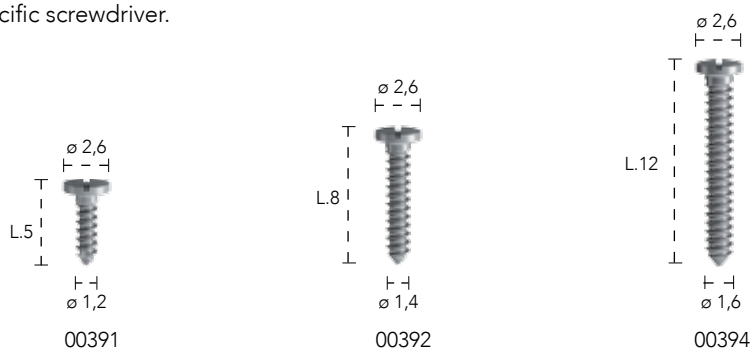
Ref. 00532

OSTEOSYNTHESIS SCREWS

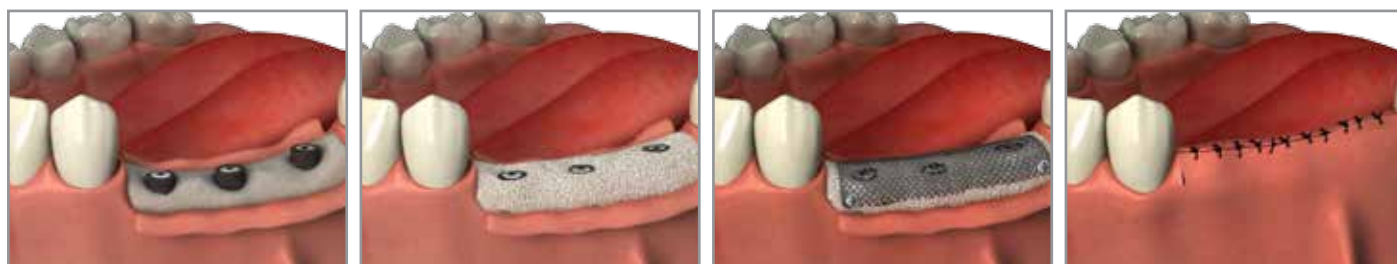
Osteosynthesis screws have a very sharp thread for easy screw insertion.

They have a cross-slotted head for holding the screw in engagement with the specific screwdriver.

OSTEOSYNTHESIS SCREWDRIVER



00396



DOLL MEMBRANES

- They are used for guided bone regeneration.
- Easy to cut and model on the defect.
- Avoid the lateral osteosynthesis screws difficult to insert in case of neighboring teeth.



00532/3

Complete with locking screw



00532/4

Complete with locking screw



00532/5

Complete with locking screw

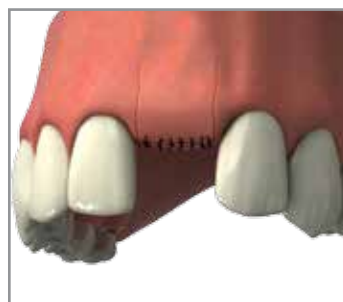


LOCKING SCREW

00532SCREW

DIRECT USE

- Membranes in titanium can be directly locked with a specific locking screw.



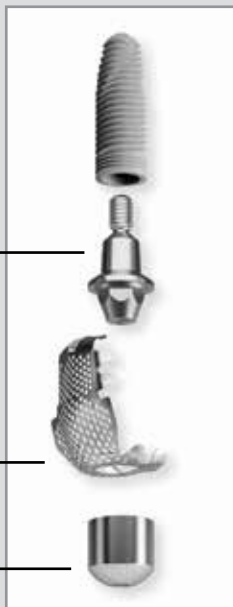
USE WITH MULTI-USE ABUTMENT

- If the implant is inserted more deeply in the bone, the membrane is locked by a multi-use abutment and a specific healing cap screw.

Multi-use abutment

Doll membrane

Healing cap screw



DURAVIT CRESTAL SINUS LIFT KIT

REF. 3P-00093SC



COMPACTOR



STOPPER



STRAIGHT MANUAL KEY



LANCE
DRILL



PUSH SCREW



PUSH PIN



TORQUE RATCHET
MOUNTER

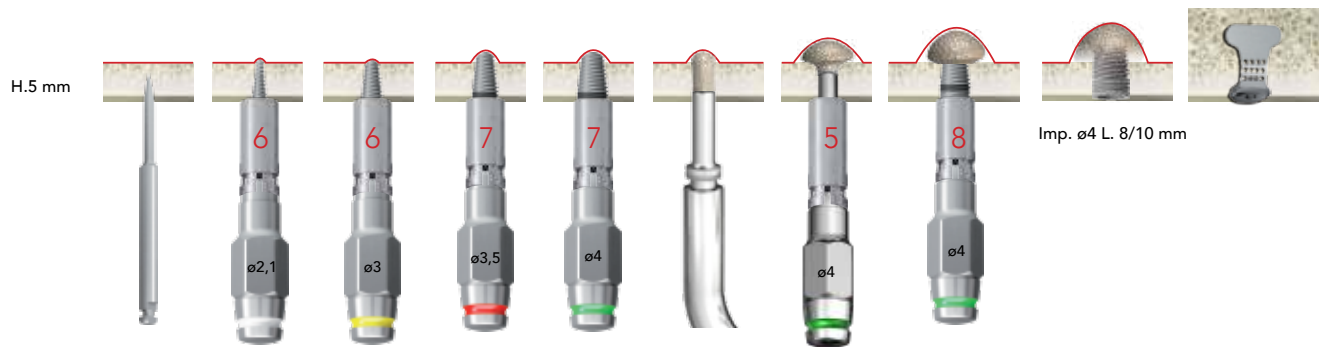


UNIVERSAL
RATCHET



Lance Drill	Ref. 147-021	Push screw Ø 3.5	Ref. SL-PS35
Compactor-expander Ø 2.2	Ref. 201-3P	Push screw Ø 4	Ref. SL-PS40
Compactor-expander Ø 3	Ref. 281-3P	Implant driver (Long)	Ref. INN-00590/2
Compactor-expander Ø 3.5	Ref. 331-3P	Straight manual key	Ref. 3P-00090CM
Compactor-expander Ø 4	Ref. 381-3P	Universal ratchet	Ref. 00376
Compactor-expander Ø 4.5	Ref. 431-3P		
Compactor-expander Ø 5	Ref. 481-3P		
Metallic stopper L. 4 mm	Ref. Stop12		
Metallic stopper L. 5 mm	Ref. Stop05		
Metallic stopper L. 6 mm	Ref. Stop06		
Metallic stopper L. 7 mm	Ref. Stop11		
Metallic stopper L. 8 mm	Ref. Stop01		
Metallic stopper L. 9 mm	Ref. Stop07		
Support for stop (6 pcs)	Ref. SUP-STOP3P		
Push pin Ø 3.5	Ref. SL-PP35		
Push pin Ø 4	Ref. SL-PP40		

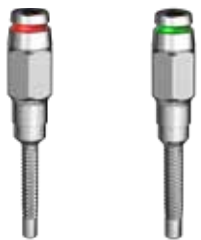
IMPLANT SITE PREPARATION



COMPONENTS OF SURGICAL KIT

PUSH SCREW

- Prepare the bone cavity for implant insertion.

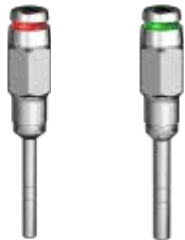


SL-PS35
ø 3,5

SL-PS40
ø 4

PUSH PIN

- Push the regeneration material within the bone cavity.



SL-PP35
ø 3,5

SL-PP40
ø 4

NOVOCOR INJECTOR

- Inject the regeneration material inside the bone cavity.



Only on request
Ref. 0490-1

SAFETY IMPLANT MEMBRANE

- Prevent the migration of the implant in the maxillary sinus. The implant is locked with the membrane using the locking screw.



00532/10
Complete
with locking screw



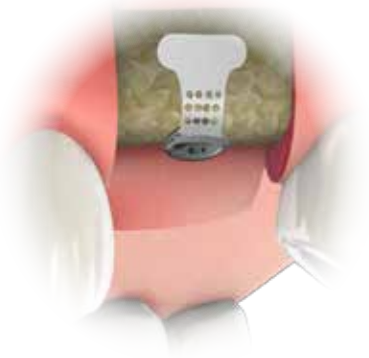
00532/1
Complete
with locking screw



00532/2
Complete
with locking screw



LOCKING SCREW
00532SCREW



PHYSIODISPENSER 3000



PHYSIODISPENSER 3000 is the result of 10 years' experience in the design and development of electro-medical apparatus for dental implantology. It offers high performance combined with extreme simplicity and it is provided with a new-concept pedal that represents an absolute novelty.

CHARACTERISTICS

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



PD3000SV

COMPLETE WITH:

- Central unit.
- Peristaltic pump.
- Multifunction pedal, pump flow, forward/reverse, program and motor action.
- 2 irrigation tubes.



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

ACCESSORIES



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



IRRIGATION TUBE
PD107



CONTRA-ANGLE 20.1
SCHD06-B20-4

MARKETING & TRAINING MATERIALS

DRILLING PRACTICE MODEL

Ref. MODEL3

- Mandibular jaw model for basic drilling practice.
- The model material duplicates BONE type II - III

Bone material	duplicates type II - III (1 layered construction)
---------------	---

Training Method

Drilling	Implant insertion
----------	-------------------



SINUS LIFT PRACTICE MODEL

Ref. P9-X.1032

Useful for maxillary sinus lift practice. Please consider that the bone thickness of the posterior area is 3 mm on the left side and 9 mm on the right side.

Bone material	duplicates type III (1 layered construction)
Other	Schneiderian membrane

Training Method

Incision	Lateral window technique
Compactor	Transcrestal lift
Drilling	Immediate implant placement
Implant insertion	Guided surgery



IMPLANT TRANSPARENT MODEL

Ref. BB-MODELTRASP

Features

- Dental prosthesis in the lower and molar region.
- Demonstrative and transparent jaw with abutments

Purpose

- For explaining the dental prostheses.



MINI IMPLANT MODEL

Ref. modelMINI

Features

- Removable dental prosthesis complete with attachments.
- 4 mini implants placed in anterior region.

Purpose

- For explaining the mini implant function in removable prostheses.



DEMO IMPLANT SET

- ①a **DURAVIT IMPLANT 3P AND ACCESSORIES**
Ref. DEMO KIT
- ①b **SLIM IMPLANT AND ACCESSORIES**
Ref. 3-DEMOKIT
- ② **DURAVIT MINI IMPLANT AND ACCESSORIES**
Ref. MINI DEMO KIT
- ③ **MULTI-USE ABUTMENT**
Ref. MUA-DEMOKITB&B



IMPLANT PASSPORT

The implant passport attests the originality and the certification of B. & B. Dental implants and prosthetic components, which are fully in line with the current national and international standards concerning medical devices.

For you, this implant passport is a guarantee of:

- 100% Made in Italy quality;
- Real assistance;
- Rapid identification of the materials used.

Ref. B&B PASSPORT



PATIENT BROCHURE

The patient brochure is useful for understanding what is the implantology.

The patient will receive all the information about implants, especially it explains:

- what is an implant;
- when it can be placed;
- which advantages it offers;
- how to take care of it.

Ref. B&B.PATIENT.01



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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Certified quality system
UNI EN ISO 13485