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G U E**



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01
**B&B
DENTAL**

COMPANY INTRODUCTION

B&B Dental srl is an Italian leading company in the oral implantology sector. It specialises in designing and manufacturing dental implants and bone regeneration materials. The Dura-vit implant line is born out of constant innovation and makes use of excellent raw materials.

Quality and passion are the hallmarks of B&B Dental. The product range is designed by dentists for dentists, in collaboration with our experienced implant engineers.

SUPPORT & DEVELOPMENT



RESEARCH & DEVELOPMENT

The multi-year experience in the industry not only ensures assessment and innovation of design and functionality of our products and materials, but also allows us to offer practitioners a wider range of products, all studied in-depth and tested in house, but we do even more. B&B Dental also relies on the cooperation of university and higher education institutions and entities, to further check the reliability of its offering by means of the latest cutting-edge technologies and techniques.

PRODUCTION

Our staff includes engineers, qualified mechanics and qualified technicians. To manufacture the parts, B&B Dental uses latest generation CNC bar lathes, high-precision machinery, featuring tool dynamic correction and allowing compliance with tolerance ranges of ± 0.001 mm (1 micron).



QUALITY AND CONTROL

100% of our implants and screws passes strict quality and compliance checks, carried out both by a dedicated and trained team, and sophisticated Zeiss control machines. They promptly intervene in case of deviations compared to set parameters. The packaging used for our sterile products is realized in-house within our white room, to guarantee cleanliness and hygiene. Production quality is compliant with the EN ISO 13485 standard.



WAREHOUSE

The storage of most of the semi-finished and finished products is entrusted to automatic vertical warehouses which, in addition to rationalize space, allow operators to accurately prepare orders, through a completely computerised process.

TRAINING AND UPDATING

B&B Dental has always emphasised the importance of training for dentists by providing courses both at its own premises and around the world. It improves and enhances the experience with educational courses, webinars, workshops, live surgeries and courses on patient organised specifically to give users safety and knowledge of the products and their use.

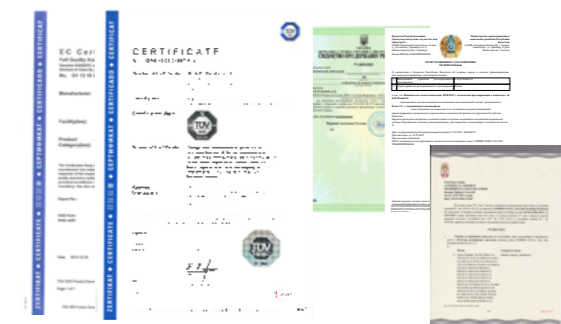


CUSTOMER SERVICE

A widespread sales network with highly qualified staff attentive to the needs of customers provides suitable support to answer any questions and to give detailed information helping the customer in choosing the right product, understanding its application and use. Before and after sales assistance is ensured by qualified staff, skilled for technical and sales issues.

CERTIFICATIONS

B&B Dental has always been interested in obtaining new certificates that could prove its top-class production standards. B&B Dental currently has more than 30 international certificates and every year undergoes scheduled audits to maintain them.



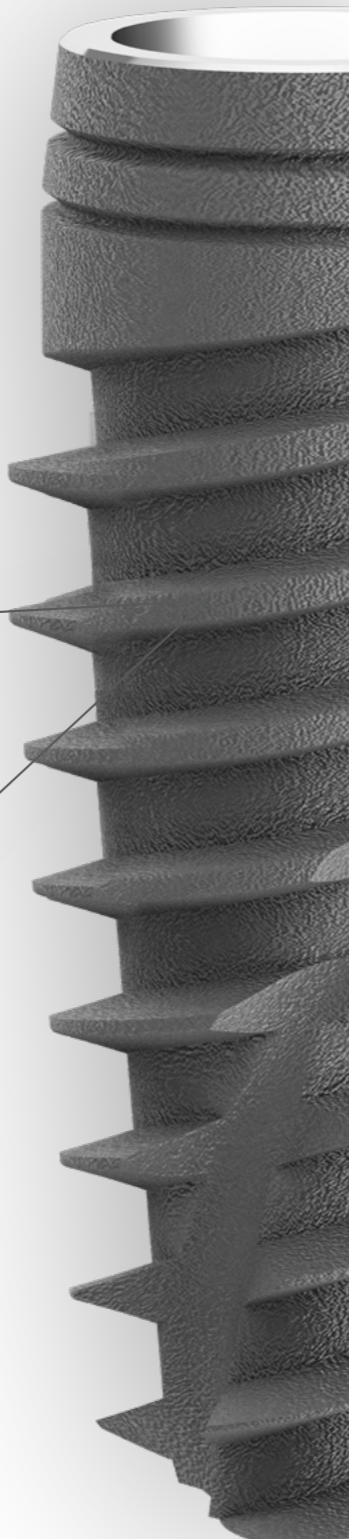
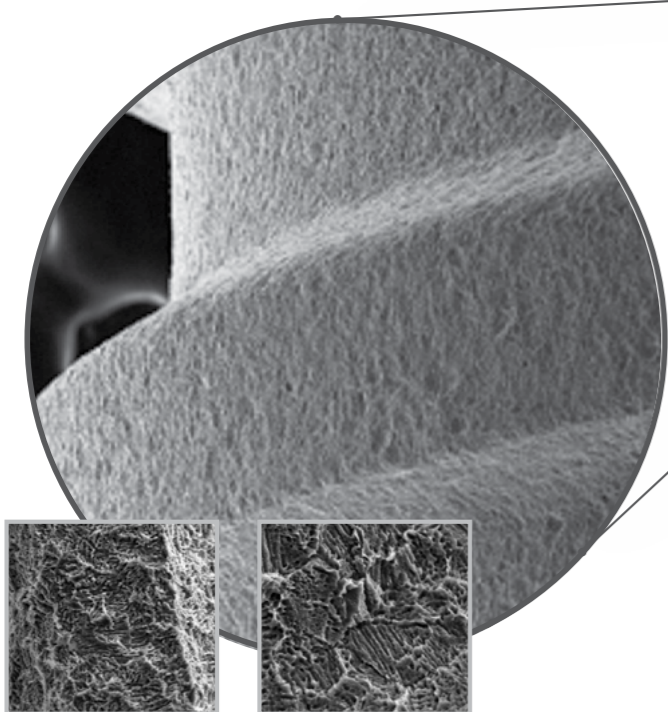
IMPLANT SURFACE

B&B Dental ensures the highest quality of its products, allowing you to work safely and to obtain the best clinical and aesthetic results. The production is entirely made in Italy: this facilitates the accurate management of the production steps, realized both by B&B Dental specialized staff and by its high-tech machinery at its manufacturing location.

ETCHING SURFACE TREATMENT AND STERILISATION

After the production, the implant undergoes two delicate phases, entrusted to sector experts. The chemical etching process creates a micro-roughness on the surface, at a microscopical level, allowing an optimal osseointegration.

The last step before packaging is sterilization with plasma gamma rays.



B&B DENTAL IMPLANT LINES

Discover all the implant lines of the Dura-vit range and their great potential: a complete system consisting of 6 lines designed to meet any need and two connections that simplify the handling of components in order to work in conditions of absolute safety.

PTERYGO LINE

Ø4.7mm

The solution line for maxillary atrophy

MINI LINE

Ø2.0, Ø2.4, Ø2.5mm

Monophasic implants with reduced diameter to stabilise prosthesis

WIDE LINE

Ø5.5, Ø6.0mm

A larger diameter line for post-extraction sites

MONO LINE

Ø3.0, Ø3.5, Ø4.0, Ø4.5, Ø5.0mm

The line includes straight and angled (17°, 30°) implants. It is ideal for post-extraction sites



EV LINE

Ø4.0, Ø4.5, Ø5.0mm

The line with aggressive thread for spongy bone (D3-D4), offering maximum primary stability

SLIM LINE

Ø3.0, Ø3.4mm

The reduced diameter line for sites with lower bone availability

3P LINE

Ø3.5, Ø4.0, Ø4.5, Ø5.0mm

The line with gentle thread suitable for compact bone (D1-D2) and for sites adjacent to maxillary sinus

PACKAGING

The new packaging is safer and more practical thanks to its anti-tampering opening. Implant holder vial keeps the implant in position, ready to be picked up using ratchet or contra-angle drivers. In each implant packaging a healing screw and a cover cap are included.



SEALED PACKAGING
When packaging is sealed, the symbol is a closed lock of a neutral colour.



OPEN PACKAGING
After opening, the tab becomes red, with an open lock.



RED LABEL
Line name, diameter, length



Titanium cover screw

PEEK transmucosal Healing Abutment (Ø 5 x 4mm) enclosed.

IMPLANT CERTIFICATE

A guarantee of the quality of the implant and parts used; it also specifies traceability details and useful information for their careful management.

INSTRUCTIONS FOR USE

Necessary to explain proper use and required precautions to be adopted with the medical device.



STERILE PACKAGING

Inside each packaging you will have an implant together with a healing screw and a cover screw.

ADDITIONAL LABELS

Useful to be applied on patient's file and documents to ensure the traceability of every implant.



DESCRIPTION OF SYMBOLS

	Expiry date		Product code		Batch number
	Gamma-ray sterilisation		Read the instruction sheet		The device must only be used by medical personnel
	Disposable		Date of production		Manufacturer

TIGHTENING INSTRUCTIONS

3P, EV, WIDE, PTERYGO LINES

CONEXA DURA-VIT CONNECTION



TRANSFERS

FINGER FORCE

PASSING SCREW ABUTMENTS

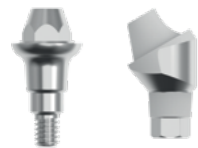
TITANIUM, PEEK, TI-LINKS, TI-BASES, ABUTMENTS FROM PREMILLED

25 Ncm

PILLARS

MUA, SPHERICAL, FLAT, EQUATOR

25 Ncm



ABUTMENTS FOR MUA

TITANIUM, CASTABLE, TI-LINK, ANGULATED SCREW

15 Ncm



ABUTMENTS FOR FLAT

TITANIUM, CASTABLE, TI-LINK

20 Ncm

SLIM LINE

SLIM DURA-VIT CONNECTION



TRANSFERS

FINGER FORCE

PASSING SCREW ABUTMENTS

TITANIUM, PEEK, TI-LINKS, TI-BASES, ABUTMENTS FROM PREMILLED

20 Ncm

PILLARS

SPHERICAL, FLAT, EQUATOR

20 Ncm



ABUTMENTS FOR FLAT

TITANIUM, CASTABLE, TI-LINK

15 Ncm

KEYS & DRIVERS TIGHTENING

3P, EV, WIDE, PTERYGO LINES

CONEXA DURA-VIT CONNECTION



PROSTHETIC SCREWDRIVERS

MAXIMUM
25 Ncm



CONTRA-ANGLE DRIVERS FOR IMPLANTS

MAXIMUM
35 Ncm



RATCHET DRIVERS FOR IMPLANTS

MAXIMUM
70 Ncm

SLIM LINE

SLIM DURA-VIT CONNECTION



CONTRA-ANGLE DRIVERS FOR IMPLANTS

MAXIMUM
70 Ncm



RATCHET DRIVERS FOR IMPLANTS

MAXIMUM
35 Ncm



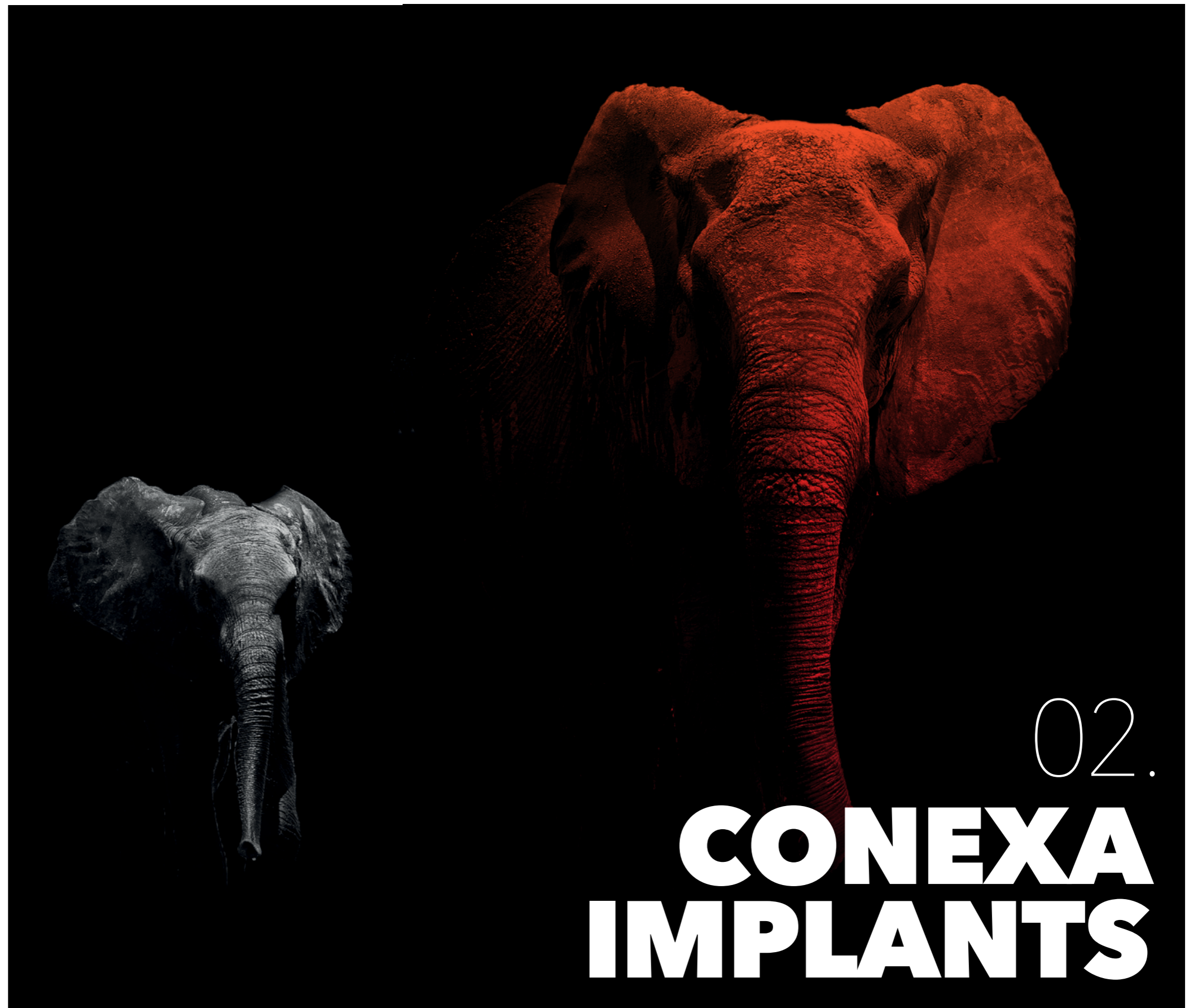
RATCHET AND MANUAL DRIVERS FOR IMPLANTS

MAXIMUM
50 Ncm

CONEXA IMPLANTS



Implant of lines 3P, EV, Wide, and Pterygo are equipped with a single connection called CONEXA. This taper connection prevents rotation and ensures high resistance to torsional loads thanks to the internal hexagon. In addition, the elimination of possible micro-movements through cold welding ensures the stability of hard and soft tissues, prosthetic components, and their surrounding tissues while respecting the biological width. The CONEXA connection is common to all lines and diameters, making it easier to choose transfers and abutments. Furthermore, surgical instruments are differentiated and colour-coded, making the choice intuitive and quick while offering the highest degree of ergonomics and simplicity.



02.

CONEXA IMPLANTS

CONEXA CONNECTION

PROSTHETIC SCREW

- For abutment conometric locking.
- It is not subjected to loads, eliminating the risk of breakage or loosening.

PLATFORM SWITCHING

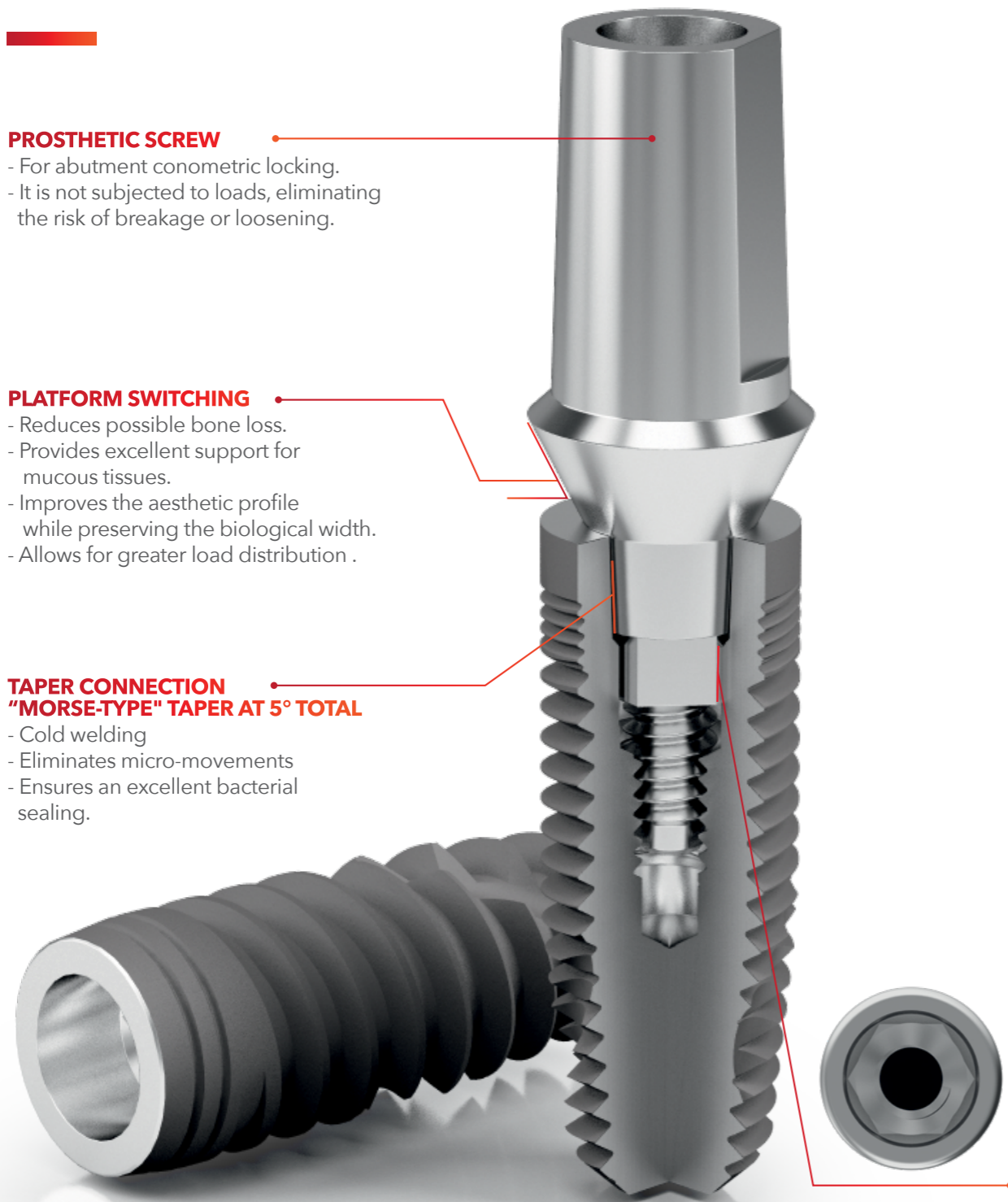
- Reduces possible bone loss.
- Provides excellent support for mucous tissues.
- Improves the aesthetic profile while preserving the biological width.
- Allows for greater load distribution.

TAPER CONNECTION "MORSE-TYPE" TAPER AT 5° TOTAL

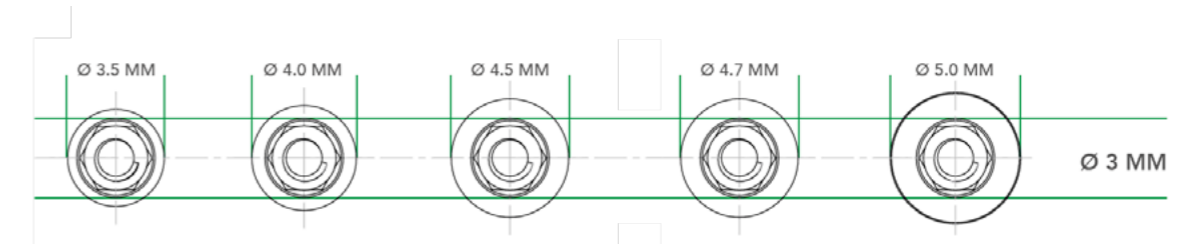
- Cold welding
- Eliminates micro-movements
- Ensures an excellent bacterial sealing.

INTERNAL HEXAGON

It ensures anti-rotation feature for absolute abutment positioning precision.



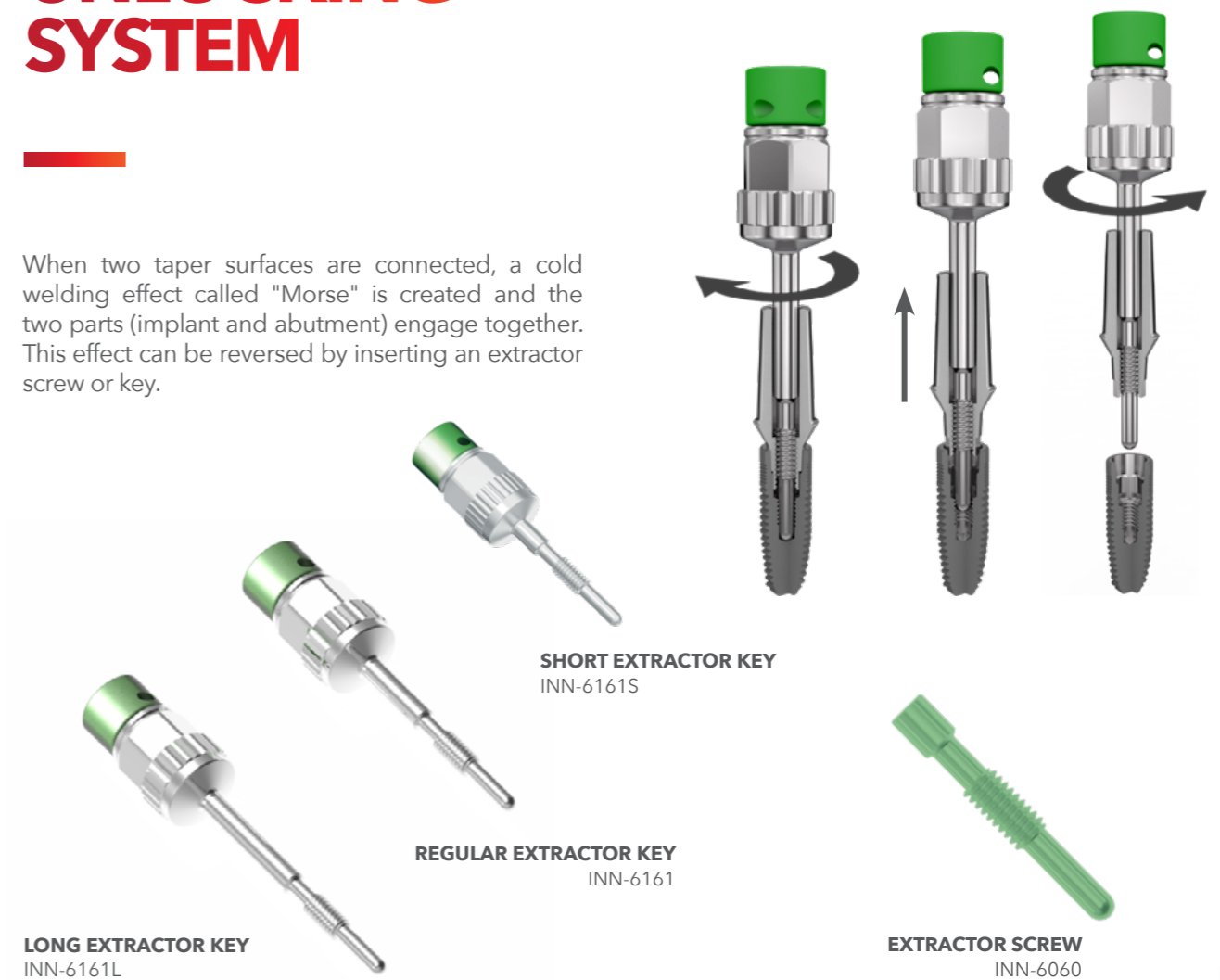
SINGLE CONEXA CONNECTION



The components from the line DURA-VIT CONEXA are compatible with all diameters of the implant lines 3P, EV, WIDE and PTERYGO. Thanks to the special single connection having an inside diameter of 3 mm, any chosen abutment can be placed in the implant, regardless of implant diameter.

UNLOCKING SYSTEM

When two taper surfaces are connected, a cold welding effect called "Morse" is created and the two parts (implant and abutment) engage together. This effect can be reversed by inserting an extractor screw or key.



CONEXA IMPLANTS

EV • LINE



MORSE TAPER & INTERNAL HEXAGON

- Accurate positioning of prosthetic components
- Increased mating surface between implant and abutment
- High stability

COLLAR WITH REVERSE TAPER AND ANNULAR MICRO SPLINING

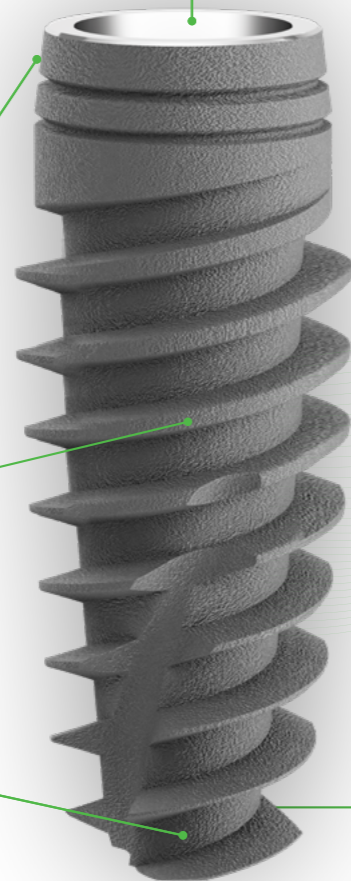
- Excellent support of soft tissues
- Maximum volume of alveolar bone
- Minor crestal bone resorption

SELF-TAPPING DOUBLE-THREAD SPIRAL

- Sharp double thread for spiral tap increased depth
- Ensure easy insertion and osteocondensation
- Very high primary stability

PENETRATING TIP

- Allows the implant to penetrate the pre-prepared site
- Ideal anchoring



	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	

PROPERTIES

- Ideal in spongy bone (D3-D4).
- Allows condensation.
- Ideal in post-extraction sites.
- Grade 4 Titanium.

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

EV LINE colour code	ø 4,0	ø 4,5	ø 5,0
Final drill diameter D3 - D4 bone	ø 3,5	ø 4,0	ø 4,5
Final drill diameter D1 - D2 bone	ø 4,0	ø 4,5	ø 5,0

CONEXA IMPLANTS

3P • LINE



MORSE TAPER & INTERNAL HEXAGON

- Accurate positioning of prosthetic components
- Increased mating surface between implant and abutment
- High stability

COLLAR MICRO-THREADING

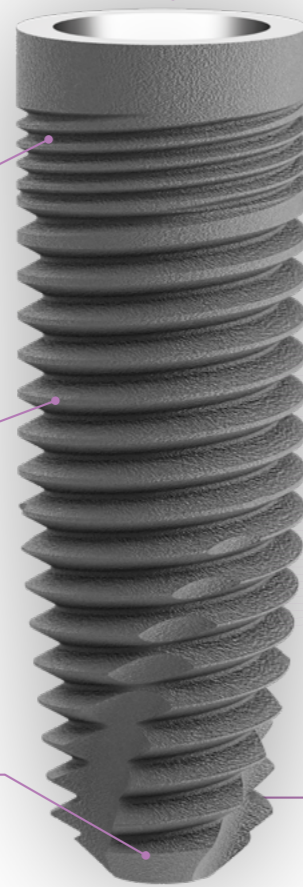
- Increases primary stability
- Makes implant placement easier
- Reduces vertical prosthesis load
- Helps soft tissue healing

triple-THREAD SPIRAL

- 60° bevelled profile threading
- Increases mating surface with bone to ensure less invasive procedures
- Improves osseointegration

"BONE-FRIENDLY" TIP

- The rounded shape helps lifting the maxillary sinus membrane
- Reduces the risk of perforation



	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

PROPERTIES

- Excellent in all bone types (especially D1-D2).
- Ensure high primary stability.
- Ideal in sites next to sinus or nerve.
- Grade 4 Titanium.

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

3P LINE colour code	ø 3,5	ø 4,0	ø 4,5	ø 5,0
Final drill diameter D1 - D2 bone	ø 3,5	ø 4,0	ø 4,5	ø 5,0
Final countersink diameter D1-D2 bone	ø 3,5/4	ø 3,5/4	ø 4,5/5	ø 4,5/5
Final compactor diameter D3 - D4 bone	ø 3,5	ø 4,0	ø 4,5	ø 5,0

CONEXA IMPLANTS

WIDE • LINE

MORSE TAPER & INTERNAL HEXAGON

- Accurate positioning of prosthetic components
- Increased mating surface between implant and abutment
- High stability

COLLAR WITH REVERSE TAPER AND ANNULAR MICRO SPLINING

- Excellent support of soft tissues
- Maximum volume of alveolar bone
- Minor crestal bone resorption

TRIPLE-THREAD SPIRAL

- 60° bevelled profile threading
- Increases mating surface with bone to ensure less invasive procedures
- Improves osseointegration

"BONE-FRIENDLY" TIP

- The rounded shape helps lifting the maxillary sinus membrane
- Reduces the risk of perforation



PROPERTIES

- Allows placing an implant in a premolar and molar extraction site
- Maximises bone preservation
- Minimises instances of required bone grafting
- Grade 4 Titanium.

WIDE • LINE

	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

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

WIDE LINE colour code	ø 5,5	ø 6,0
Final drill diameter	ø 5,5	ø 6,0

CONEXA IMPLANTS

PTERYGO • LINE

PTERYGO • LINE

MORSE TAPER & INTERNAL HEXAGON

- Precise positioning of prosthetic components
- Increased contact area between implant surface and abutment
- High stability

COLLAR WITH MACHINED SURFACE

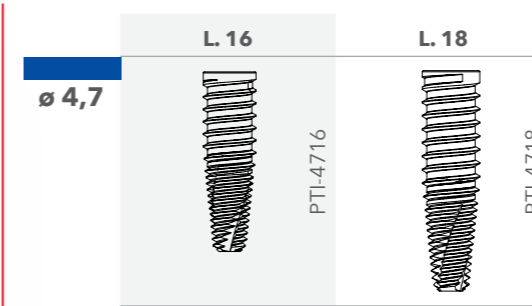
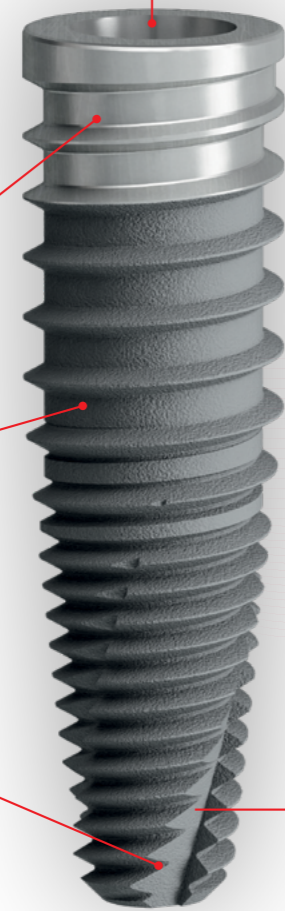
- Maximum cleanability

MODULAR THREADS AND GRADUAL TAPERING

- Threads suitable for different bone densities
- Ideal for easy insertion along the entire length of the implant

"BONE FRIENDLY" APEX

- The rounded shape helps lifting the maxillary sinus membrane reduces the risk of perforation



PROPERTIES

- Specific implant design for insertion in the pterygoid region
- Maximises bone preservation and
- Minimises instances of required bone grafting or sinus lifting
- Grade 4 Titanium.

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

PTERYGO LINE colour code	 ø 4,7
Final drill diameter	ø 4,7

HEALING COMPONENTS

COVER SCREW (grade 5 Titanium)

It is used to completely cover the implant after placing it. Implant site reopening, after 3 to 6 months, requires the use of the healing screw. **One standard size screw (INN-6053) is available inside each implant packaging.**



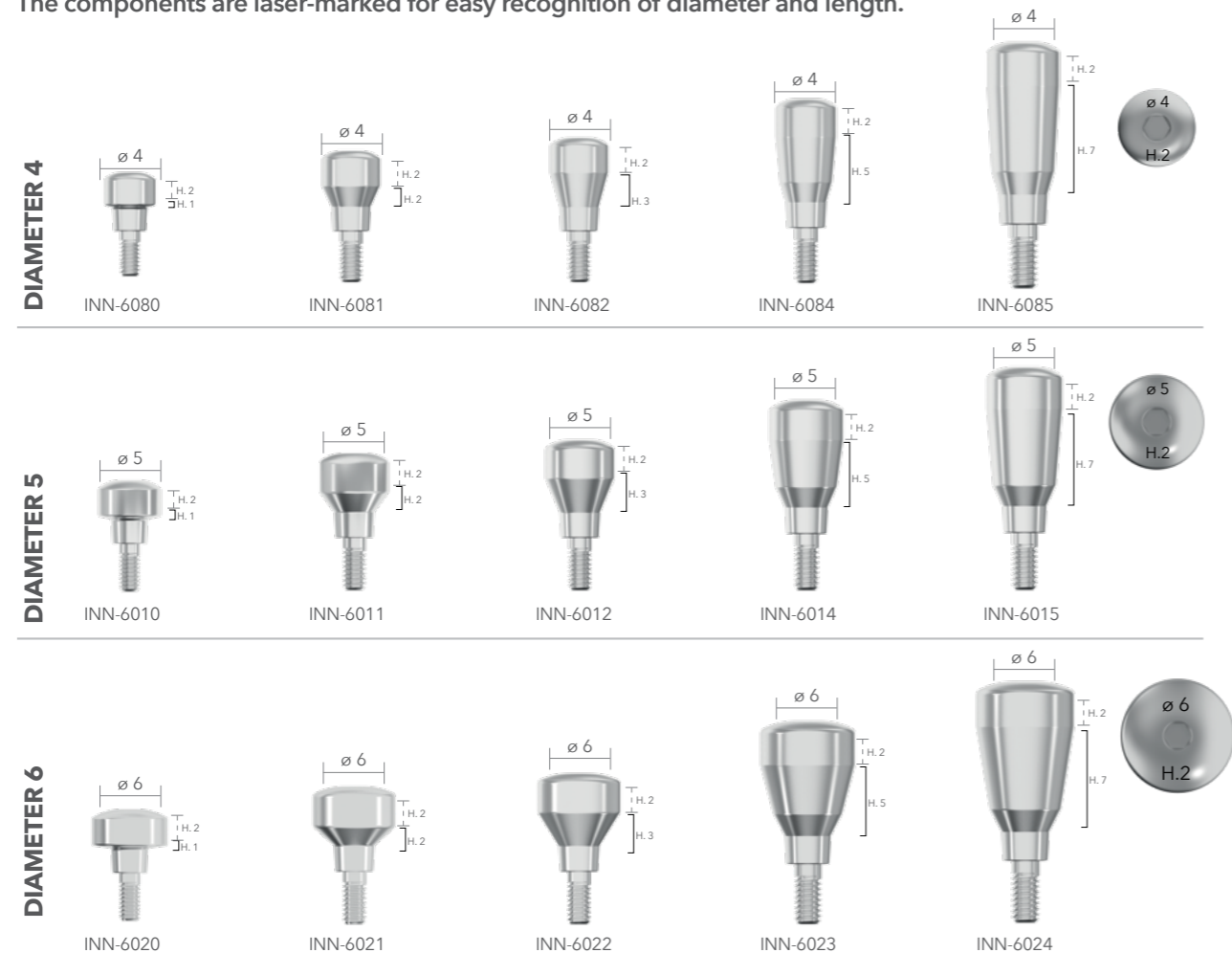
TIGHTENING:

Recommended tightening: max 10 Ncm.

HEALING SCREW (grade 5 Titanium)

It is used for mucosal healing and conditioning in case of gum reopening, duly adapted by means of suture. These components are used to rehabilitate soft tissues above the implant so that the final prosthetic abutment can be placed. It can be used for surgery in one or two sessions.

The components are laser-marked for easy recognition of diameter and length.



TIGHTENING: Recommended tightening: max 20 Ncm.

COMPONENTS FOR IMPRESSIONS

CLOSED IMPRESSION FACILITY TRANSFERS

Use with a standard tray holder with closed-tray technique: by tightening the transfer coping in the implant and positioning the plastic cap in place it will be possible to obtain a clear positioning in the impression.

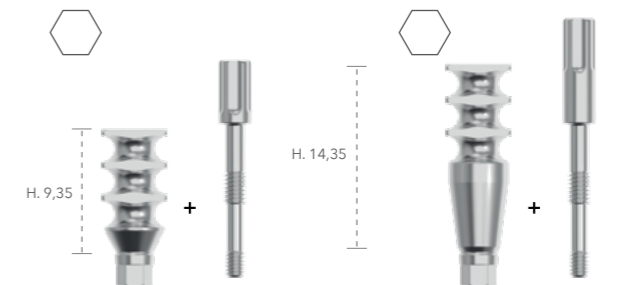


SHORT SET
Short metal transfer with plastic cap
INN-00506
This code includes a transfer screw INN-6050

LONG SET
Long metal transfer with plastic cap
INN-00506L
This code includes a transfer screw INN-6050

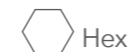
OPEN-TRAY IMPRESSION PICK-UP TRANSFERS

To be used with open tray holder, with open spoon technique, by screwing the transfer inside the implant it will be possible to obtain a clear positioning in the impression.



HEX CONNECTION SHORT METAL TRANSFER
metal transfer
INN-00600
This code includes a transfer screw INN-00608

HEX CONNECTION LONG METAL TRANSFER
metal transfer
INN-00600L
This code includes a transfer screw INN-00608L



ANALOGUES

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with the model pouring.



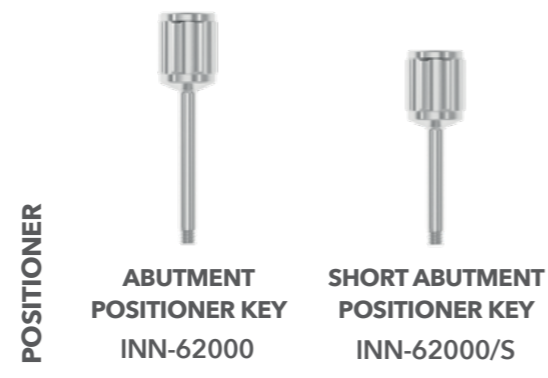
ANALOG
INN-00585

DIGITAL STANDARD 3D ANALOG
3D-00585
This code includes screw 3D-02

TEMPORARY PROSTHETIC COMPONENTS

ABUTMENTS POSITIONER

The positioner is used to bring the abutment into place easily. It is necessary to disassemble the positioner before proceeding with the insertion of the prosthetic screw.



TEMPORARY ABUTMENTS IN TITANIUM WITHOUT SHOULDER

Abutments for cemented temporary prosthesis, easy to customise.

Non-ROTATING abutments can be used for:

- Single temporary crowns;
- Cemented temporary bridges.

ROTATING abutments are used in screw-retained temporary bridges.

- Small diameter for interdental spaces
- Made from titanium for an accurate coupling and high stability

These abutments have a taper coupling.

CHARACTERISTICS

- They can be easily customised both on the spot by the practitioner and at the laboratory by the technician.
- Conexa Connection

IMPORTANT NOTE

Do not use for a period over 180 days.
Place the temporary abutments at subocclusal level.
Do not shorten by more than 6 mm using standard tools and techniques.

DEFINITIVE PROSTHETIC COMPONENTS

UCLA ABUTMENTS

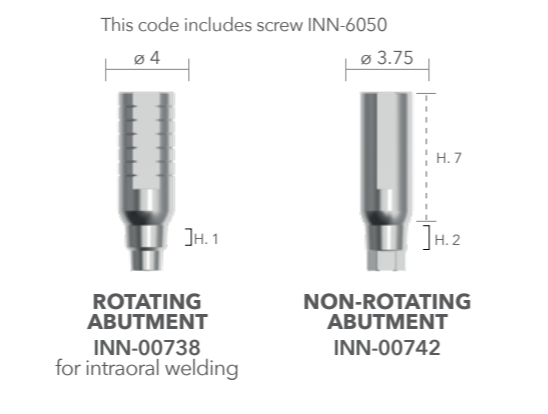
UCLA abutments can be used for:

- Over structures.
- Cemented prosthesis.
- Screw-retained prosthesis.

These abutments have a taper coupling.

CHARACTERISTICS

- Completely customisable.
- Conexa Connection.



STRAIGHT, NON-ROTATING

This code includes screw INN-6050



INN-6048CC
Cr-Co

STRAIGHT, ROTATING

This code includes screw INN-6050



INN-6048CC/R
Cr-Co



IMPORTANT NOTE

Use the castable abutment only in case of extreme divergent conditions.



TIGHTENING: Recommended tightening : 25 Ncm. Check tightening torques and procedures on pages 11- 12.

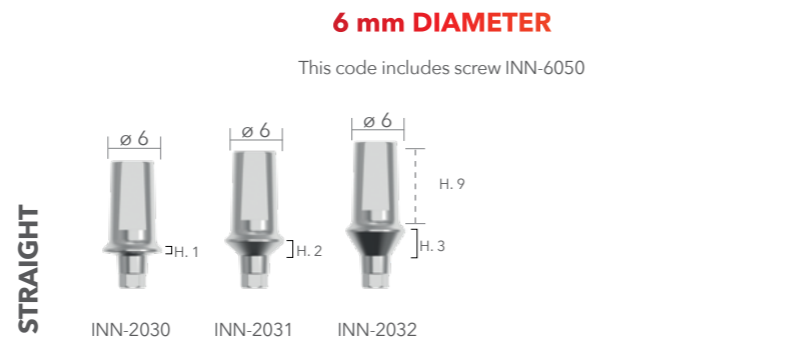
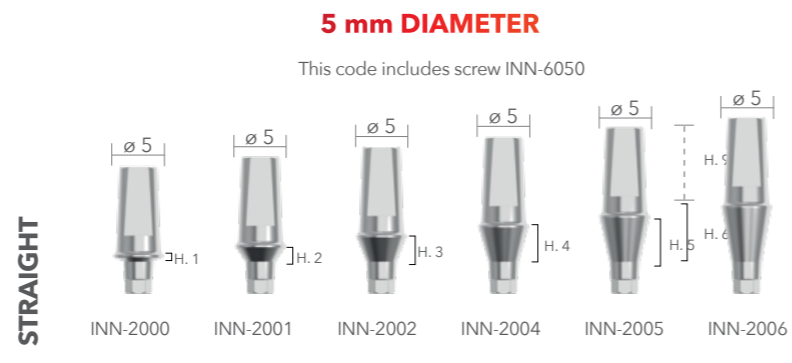
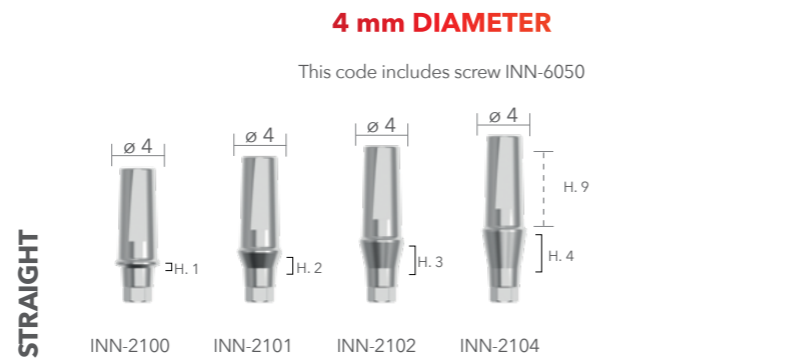
STRAIGHT TITANIUM ABUTMENTS

They are titanium components mainly used for cemented prosthesis in the front areas.

These abutments have a taper coupling.

CHARACTERISTICS

- Reduced need for touch-ups thanks to prepared mucosal margins.
- Different transmucosal heights to adapt to various profiles.
- Cylindrical shape similar to the emerging profile of a natural tooth.
- Conexa Connection.



TIGHTENING: Recommended tightening: 25 Ncm. Check tightening torques and procedures on pages 11-12.

IMPORTANT NOTE

- NOT suitable for direct coating with ceramic.
- DO NOT shorten more than 3 mm above the mucosal margin.
- DO NOT position cement limit more than 2 mm below mucosal level.
- It is recommended to use a new screw to place the abutment.

ANGLED TITANIUM ABUTMENTS

They are titanium components mainly used for cemented prosthesis in the front areas.

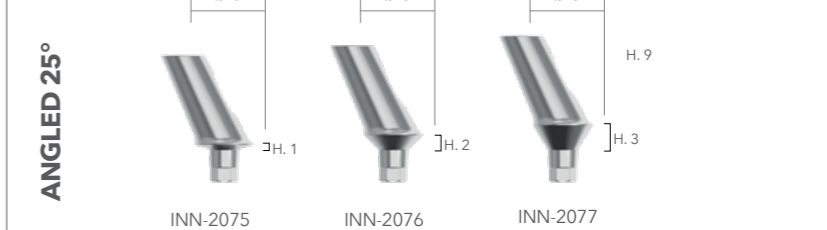
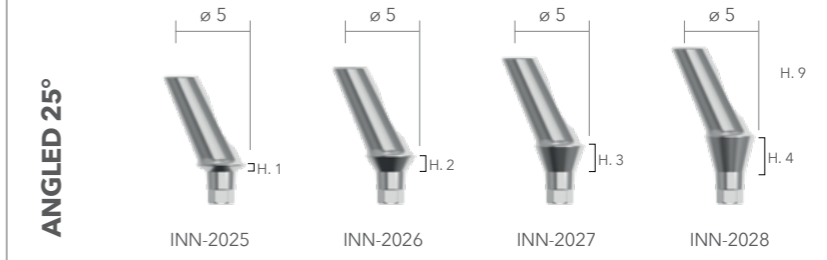
These abutments have a taper coupling.

CHARACTERISTICS

- Reduced need for touch-ups thanks to prepared mucosal margins.
- Different transmucosal heights to adapt to various profiles.
- Cylindrical shape similar to the emerging profile of a natural tooth.
- Conexa Connection.

IMPORTANT NOTE

- NOT suitable for direct coating with ceramic.
- DO NOT shorten more than 3 mm above the mucosal margin.
- DO NOT position cement limit more than 2 mm below mucosal level.
- It is recommended to use a new screw to place the abutment.



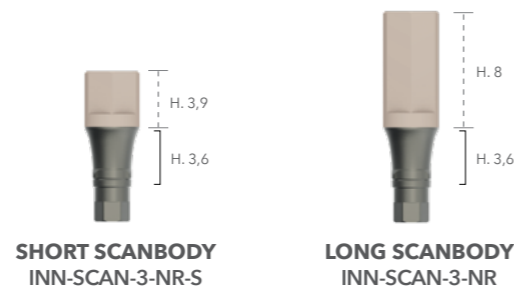
DIGITAL COMPONENTS

SCAN COMPONENTS

These are components for impression-taking with digital intraoral scanners.

The scancaps must be placed onto the TI-links, properly placed in the patient's mouth, while scanbodies must be directly connected to the implant.

This code includes screw INN-6050

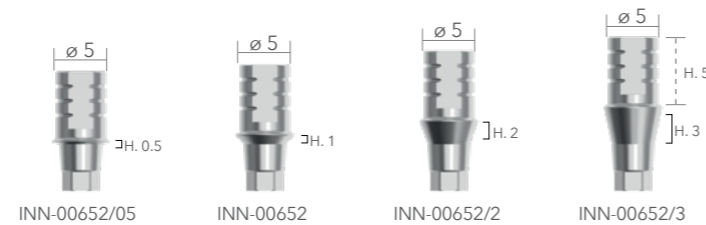


IMPORTANT NOTE

It is necessary to prepare B&B Dental libraries within your own design software to use these components. Send us an e-mail to receive the libraries.

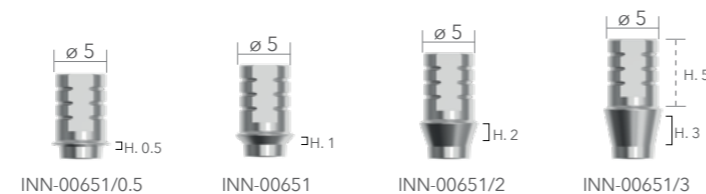
NON-ROTATING BASE

This code includes screw INN-6050



ROTATING BASE

This code includes screw INN-6050



TI LINK 3P/EV/WIDE

They are titanium components mainly used for cemented prosthesis with digital technologies.

These abutments have a taper coupling.

CHARACTERISTICS

- Reduced need for touching-ups thanks to prepared mucosal margins.
- Different transmucosal heights to adapt to various profiles.
- Cylindrical shape similar to the emerging profile of a natural tooth.
- Conexa Connection.



PREMILLED BASES

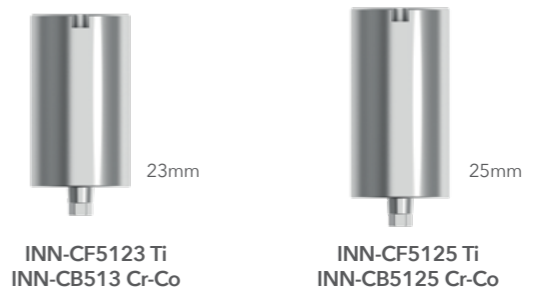
Premilled bases are used for the construction of customised milled abutments. These components are characterised by conexa connection certified by B&B Dental.

PREMILLED DESS : INN-CF512 Ti

PREMILLED MEDENTIKA

This code includes screw INN-6050

also available upon request for NT-trading and Des holreds



3D ANALOGUES

3D analogues can be fixed in the printed models in which they are placed.



STANDARD 3D ANALOG
3D-00585
This code includes screw 3D-02

TIBASE CEREC® (L LINE)

They are titanium components used for cemented prosthesis and tightened using digital technologies. These abutments have a taper coupling.

CHARACTERISTICS

- Titanium base.
- Completely customisable prosthesis.
- Use of CAD/CAM technology to produce zirconium abutments to be glued onto the central abutment.
- Conexa Connection.

This code includes screw INN-6050



NOTE:

Scanbody items are placed on ScanPost and TiBase for implant data optical acquisition. The grey cap is used with the omnicam system. The white cap is used with the bluecam system. Two connections are available:
- S - compatible for SLIM (code: 6431295 - 6431311)
- L - compatible for conexa line (code: 6431303 - 6431329)

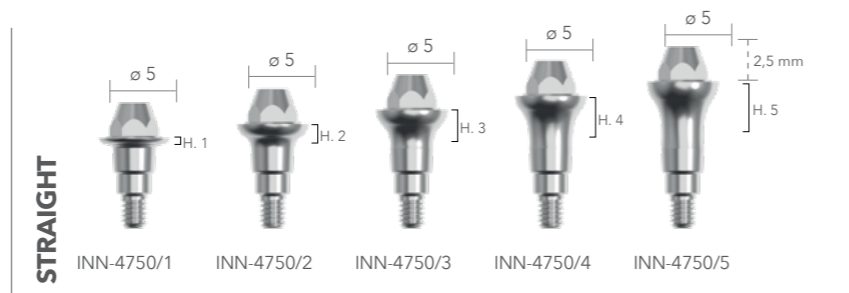


TIGHTENING :
Recommended tightening: 25 Ncm. Check tightening torques and procedures on pages 11-12.

MULTI-USE ABUTMENTS

STRAIGHT MULTI-USE ABUTMENTS

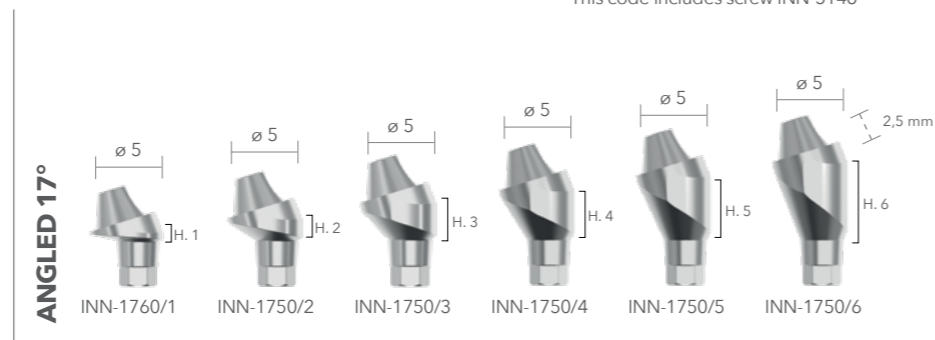
Straight multi-use abutments must be fixed directly to the implant using a multi-use driver (a manual one or with a ratchet).



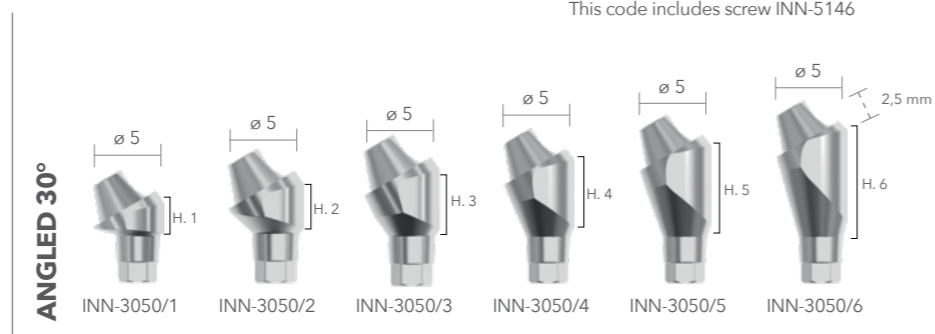
This code includes screw INN-5146

ANGLED MULTI-USE ABUTMENTS

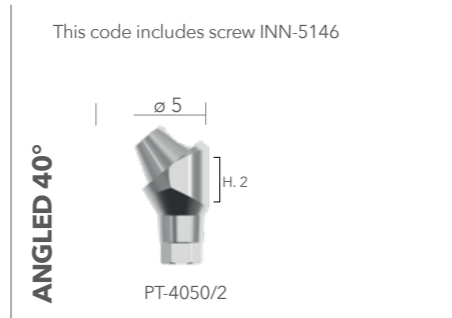
Angled multi-use abutments at 17 and 30 degrees help achieving parallelism in case of implants having a different inclination. Easy connection to the implant using a preassembled transfer (Ref. 023MUA). Then, they are fastened by a prosthetic screw.



This code includes screw INN-5146



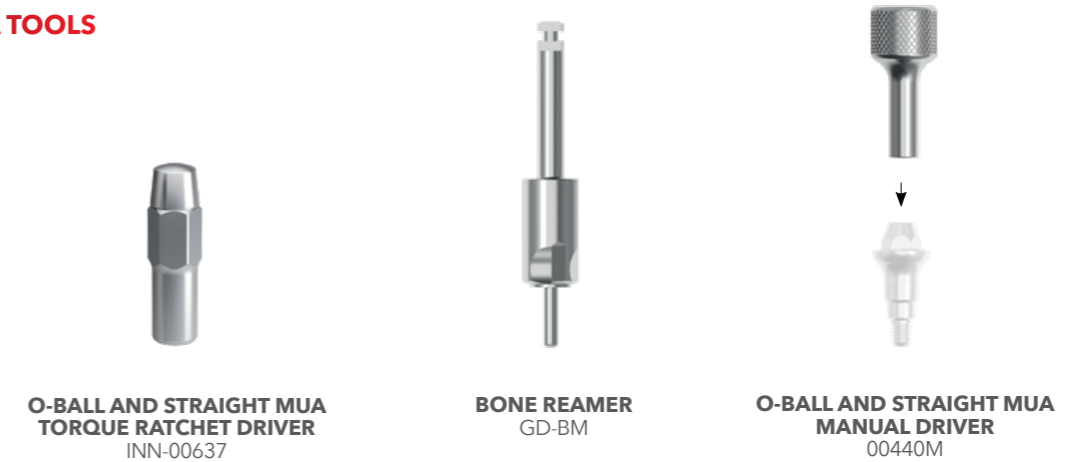
This code includes screw INN-5146



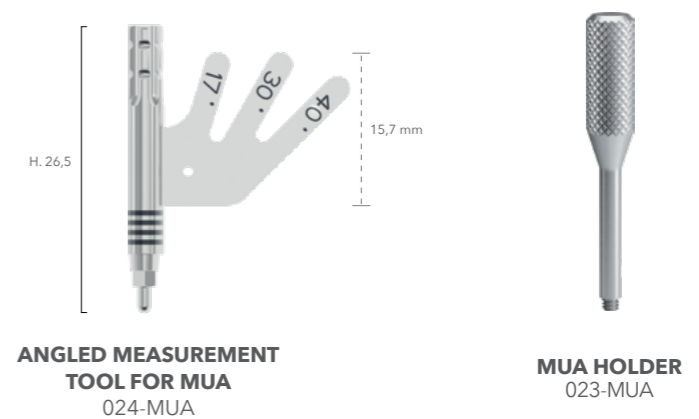
TIGHTENING:

Recommended tightening : 25 Ncm. Check tightening torques and procedures on pages 11- 12

MUA TOOLS

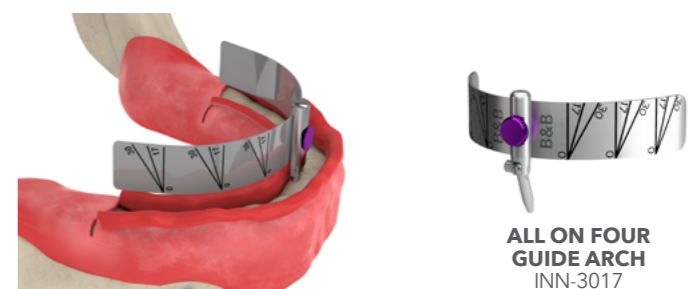


The positioner is used to easily bring the MUA abutment into position in order to insert the primary screw.



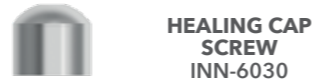
Multi-use abutments rely on a tapered connection at the top, on which MUA line abutments must be screwed to obtain:

- Screw-retained bridges.
- All-on-4 and all-on-6 prosthesis.
- Bars on implants with prosthesis.



HEALING SCREWS

It is used in the patient's healing phase to protect the MUA abutment until prosthesis application.



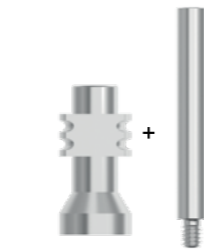
HEALING CAP SCREW
INN-6030

TRANSFERS

The transfer is screwed onto the MUA for precise position adjustment during the impression taking step.



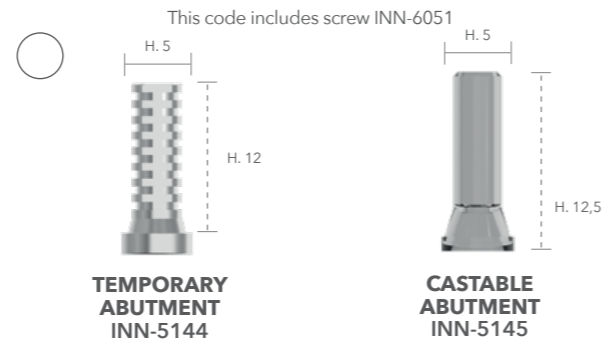
CLOSED TRAY TRANSFER
INN-00611



OPEN TRAY TRANSFER
INN-00610
This code includes screw INN-00612

ABUTMENTS FOR MUA

These abutments must be fixed onto the MUAs to build structures. They are available in two versions:
- rotating
- non-rotating

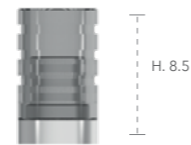


TEMPORARY ABUTMENT
INN-5144

CASTABLE ABUTMENT
INN-5145

UCLA FOR MUA

Castable abutment with cobalt chrome base. This abutment should be placed over both straight and angled MUAs



This code includes screw INN-6051
MUA CHROME COBALT UCLA ABUTMENT + SCREW
INN-6048

ANALOGUES

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with model pouring.



MUA ANALOG
INN-00586



NON-ROTATING MUA ANALOG
INN-00586/NR

TIGHTENING: Recommended tightening: 15 Ncm. check tightening torques and procedures on pages 11-12.



INN-6051

This code includes screw INN-6051

MUA DIGITAL TOOLS

The digital components are specifically designed to be used with scanner and printer. Please send us an e-mail to receive the libraries.

SCANS FOR MUA

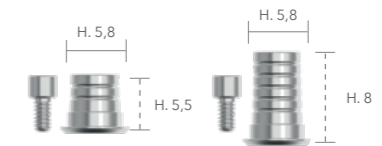
The MUA scan is a NON-rotating tool to take impressions by means of intraoral scanners.



NON-ROTATING MUA SCAN
SCAN-MUA

NON-ROTATING MUA SCAN
SCAN-MUA-S

This code includes screw 3D-14



TI LINK FOR MUA
3D-5144 3D-5145

TI LINK BASES FOR MUA

MUA bases are supplied in two different heights in order to allow the creation of crowns featuring a straight screw hole.

TI LINK BASES FOR MUA FOR INCLINED HOLE

It is provided to allow the creation of crowns featuring an angled screw hole.



MUA BASE FOR INCLINED HOLE
3D-5143

KEYS FOR INCLINED HOLES

These keys are designed to tighten and loosen the screws in case of inclined hole (code 3D-14).



SHORT
3D-17018

MEDIUM
3D-17024

LONG
3D-17032

3D ANALOGUES

3D analogues allow screwing and unscrewing of the bases from the models in which they were placed.



MUA 3D ANALOG
3D-00586
This code includes screw 3D-02

IMPORTANT NOTE

To use these components it is necessary to have the B&B Dental libraries. You will find the software libraries in the "download" section of our site. Contact us for further support.

ANGULATED SCREW CHANNEL

In dentistry, it may occur that the dental implant is placed with an unfavorable or difficult angulation due to specific anatomical structures in the oral cavity of the patient (bone atrophy, face morphology, axis inclination...). In these cases, the exit point of the implant would result in the vestibular area, creating a serious functional and aesthetical problem that needs correction.

To provide a feasible and easy solution to this problematic situation, B&B Dental created a full dedicated system that allows the clinician to change the screw angulation, obtaining an improved aesthetic in the anterior cases, and a simplified access option in those cases with difficult spaces.

SCREWDRIVER

- Engagement for ratchet
- Engagement for hexalobular screw
- Angulation from 0° to 25°
- Available in 2 lengths

HEXALOBULAR SCREW

- Special head shape for the angulated channel system
- Permits tightening of Ti-Link
- Performs the function of extractor

TI-LINK WITH TITANIUM BASE

- Connecting element between the prosthesis and the implant
- The angulated channel allows the screwdriver insertion
- Conical section: measures 5°, making it compatible with B&B Dental implant lines
- The conical base has a reduced size, so the removal procedure is smoother

PEEK O-RING

- Securely blocks the Ti-link and the screw

PLEASE NOTE

The Ti-link packaging always includes the hexalobular screw and the PEEK sleeve.



TIGHTENING: Recommended tightening: 15 Ncm.

T-LINK WITH TITANIUM BASE

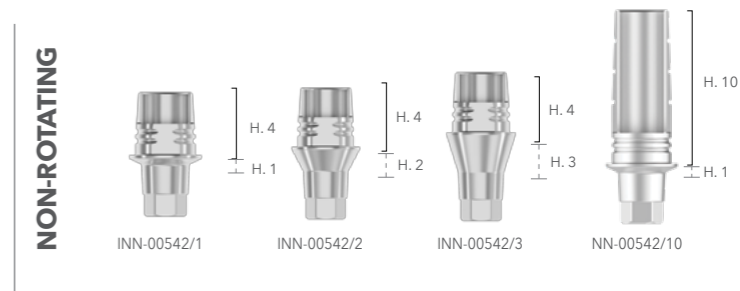
It's the connecting element between the prosthesis and the implant. The special angulated channel allows the screwdriver insertion. The base is made of grade 5 titanium while its conical section measures 5°, making it compatible with B&B Dental implant lines. The conical base has a reduced size, so the removal procedure is smoother. Both the rotating and non-rotating Ti-link are available in different heights, according to the clinician needs.

ROTATING

The rotating base can be used to realize bridges and multi-unit prosthetic solutions.

NON-ROTATING

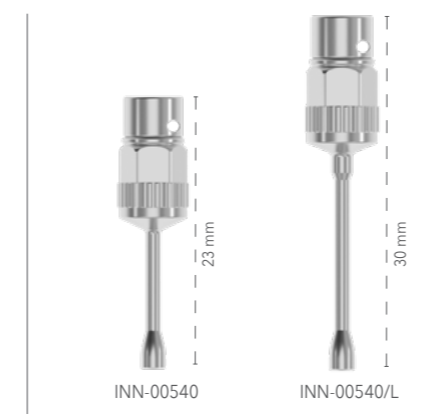
The non-rotating base can be used to realize single crowns.



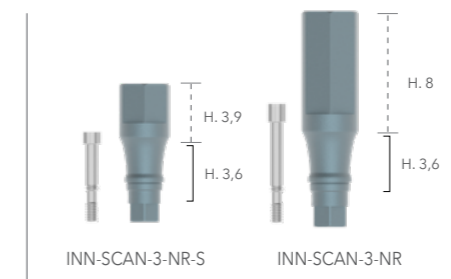
The engagement of hexalobular screw and complementary screwdriver allows a maximum correction angle of 25°, bringing the exit hole to the buccal position (palatal or lingual).

COMPONENTS AND ACCESSORIES

The extremity of the instrument engages the hexalobular screw at any angulation from 0° to 25°, taking the exit point on the buccal or lingual area, where it's manageable. The screwdriver is available in 2 lengths.



SCREWDRIVER



SCAN ABUTMENT



3D ANLOGUE

FLAT ANCHORING SYSTEM

FLAT ABUTMENTS

The flat abutments directly screw onto the implant and are ideal for the reconstruction of complete arches since their design ensures flexibility in a clinical situation where implants are not parallel, keeping the withdrawal axis not beyond 15° for convergent and divergent implants. These abutments simulate the external connection.

- Screw-retained prosthesis.
- Bar-type prosthesis on implants.
- Immediate installation.

CHARACTERISTICS

- Allow production of stable prosthesis
- Suitable for aesthetic areas.

IMPORTANT NOTE

Do not use whenever implant divergence exceeds 15°.



**SHORT DRIVER
WITHOUT SPRING**
00578/S



FLAT
INN-00669



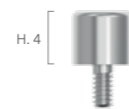
FLAT
INN-00669/3



FLAT
INN-00669/4

HEALING SCREW

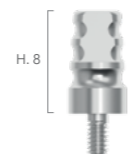
It is used for mucosal healing and conditioning, on top of FLATs. These components are used to rehabilitate soft tissues above the implant so that the final prosthetic abutment can be placed.



**HEALING
SCREW**
INN-00733

TRANSFERS

The transfer must be placed onto the FLAT to accurately adjust the position. In this case, use the FLAT analogue.



**CLOSED TRAY
TRANSFER**
INN-00737

ANALOGUES

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with model pouring.



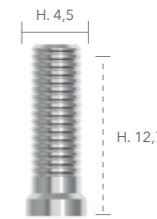
**FLAT
ANALOG**
INN-00736

ABUTMENTS FOR FLAT

These abutments must be fitted onto the FLATs to create prosthetic crowns.



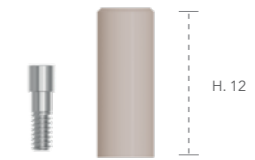
**CASTABLE
ABUTMENT**
INN-00687
This code includes
screw INN-00690



**TITANIUM
ABUTMENT**
INN-00687/1
This code includes
screw INN-00690

FLAT DIGITAL TOOLS

The digital components are specifically designed to be used with intraoral scanner. Please send us an e-mail to receive the libraries.



**SCAN FLAT
SCAN-FLAT**
This code includes screw INN-00690

SCAN FOR FLAT

The FLAT scan is a rotating tool to take impressions by means of intraoral or laboratory scanners.



FLAT BASE
3D-00687/2
This code includes screw INN-00690

TI LINK BASES FOR FLAT

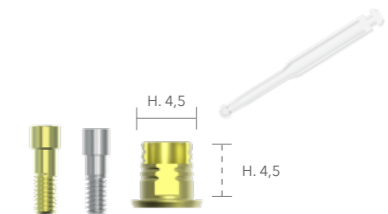
FLAT bases are useful for anchoring prosthetic crowns on top of FLATs. This solution does not feature a geometric index.

TI LINK BASES FOR FLAT FOR INCLINED HOLE

It is provided to allow the creation of crowns featuring an angled screw hole.



The base code 3D-00687/1 can be used for inclined holes, by separately purchasing screw code 3D-16



FLAT BASE FOR INCLINED HOLES
3D-00687/1
This code includes screw INN-00690

3D ANALOGUES

3D analogues can be fixed in the printed models in which they are placed.



FLAT 3D ANALOG
3D-00736
This code includes screw 3D-02



TIGHTENING:

Recommended tightening: 20 Ncm. Check tightening torques and procedures on pages 11-12.

IMPORTANT NOTE

To use these components it is necessary to have the B&B Dental libraries. You will find the software libraries in the "download" section of our site. Contact us for further support.

OVERDENTURE

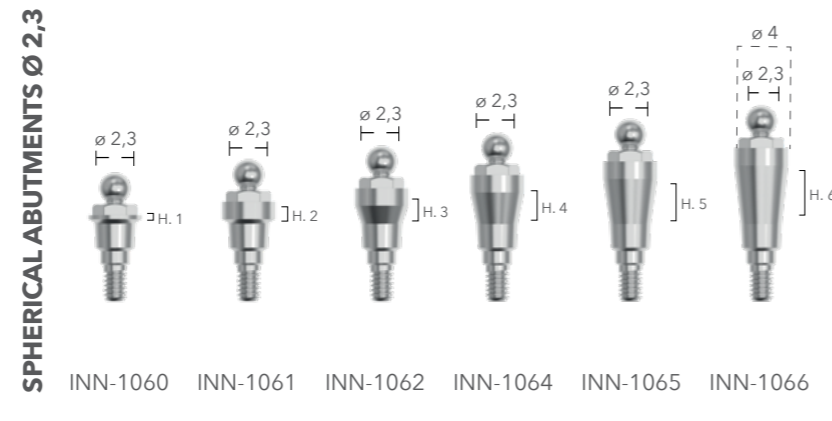
SPHERICAL ANCHORING SYSTEM

SPHERICAL ABUTMENTS

These abutments allow to stabilize mobile prosthesis in lower and upper jaws.

CHARACTERISTICS

- Setting off up to 20° divergence between two implants.
- Minimum height of the component, suitable for narrow occlusal space.
- Excellent long-term performance thanks to wear-resistant components.

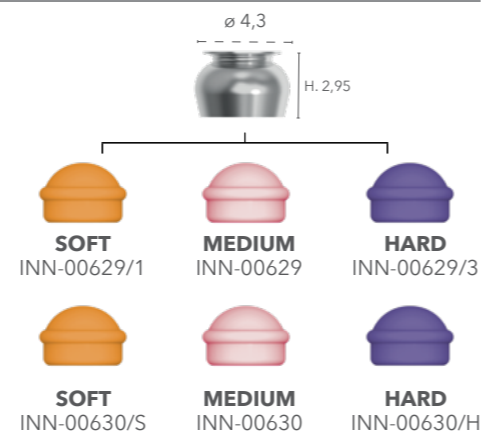


ACCESSORIES FOR IMPRESSION AND LAB



Ø 2.3 PLASTIC CAPS AND METAL HOUSINGS

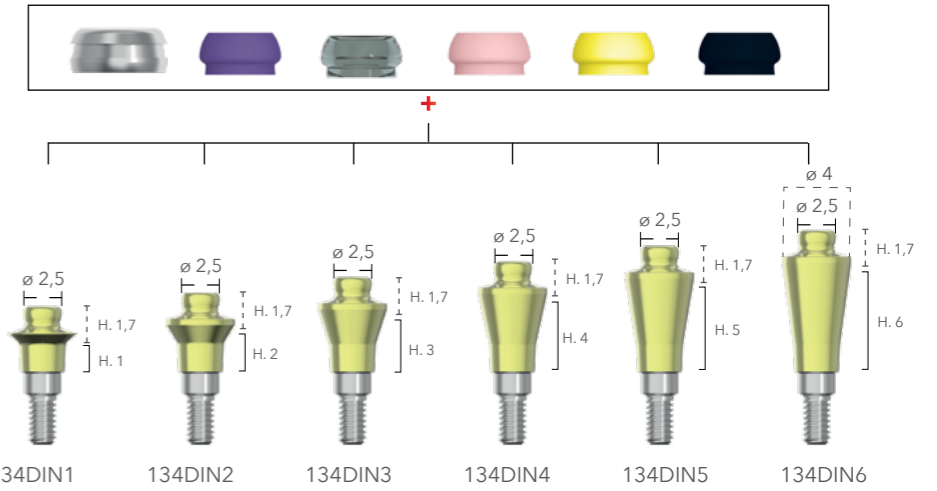
NOTE: The metal housing contains the plastic cap.



Ø 2.3 PLASTIC CAPS ONLY

6 pieces per package

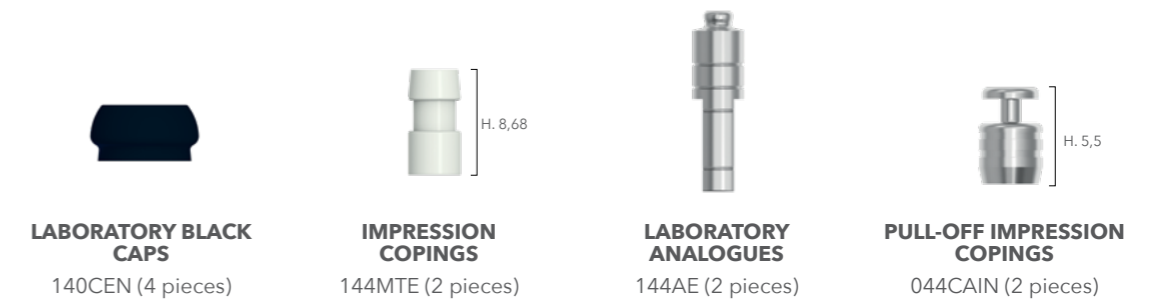
EQUATOR



CAPS WITH METAL HOUSING



LAB ACCESSORIES*



SURGICAL INSTRUMENTS AND DRIVERS*



TIGHTENING: Recommended tightening: 25 Ncm. check tightening torques and procedures on pages 11- 12.



03. MONO ONE-PIECE IMPLANTS

MONO ONE-PIECE IMPLANTS

DURA-VIT MONO implants provide the quality of a standard implant and the versatility of a one-piece abutment or an all-in-one MUA [multi-unit abutment] solution. This line has its own very precise taper connection and includes dedicated surgical and prosthetic components, making the protocol intuitive.

MONO • LINE

ONE-PIECE IMPLANTS

These implants provide the quality of a standard implant and the versatility of a one-piece abutment or an all-in-one MUA [multi-unit abutment] solution. They are designed with a concave shape in order to adapt perfectly to soft and hard tissue and favour tissue healing in the biological space of the implant and also maximum aesthetics. They are available in different diameters and lengths to allow for a choice of implant that is suitable to every site.

MUA [MULTI-UNIT ABUTMENT] ONE-PIECE RANGE

- MUA one-piece implant straight and angled 17°-30°
- All-in-one implant-abutment solution
- Ideal for all-on-4 or all-on-6 or in splinted cases

SELF-THREADING EV DOUBLE HELIX DESIGN

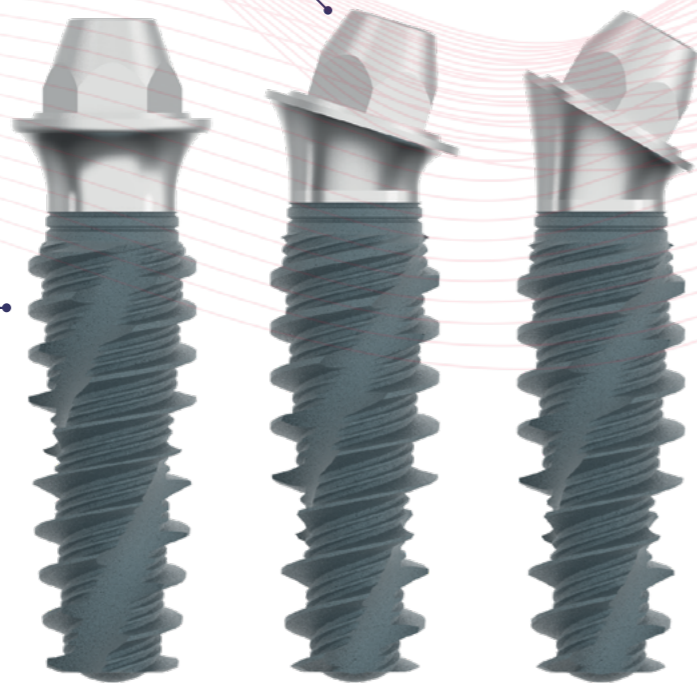
- Double sharp threading for helical male for increased depth
- It guarantees easy insertion and osteocondensation
- Very high primary stability

PENETRATING TIP

- Allows the implant to penetrate the previously prepared site
- Ideal anchoring

PROPERTIES

- Ideal in D3-D4 bone.
- Allows for condensation.
- Ideal in post-extraction sites.
- Under-preparation of the implant site.
- Grade 4 Titanium.



MONO • LINE

STRAIGHT	L. 06	L. 08	L. 10	L. 12	L. 14	L. 16
Ø 3.0			MUA-3010	MUA-3012	MUA-3014	
Ø 3.5		MUA-3508	MUA-3510	MUA-3512	MUA-3514	
Ø 4.0	MUA-4006	MUA-4008	MUA-4010	MUA-4012	MUA-4014	
Ø 4.5	MUA-4506	MUA-4508	MUA-4510	MUA-4512	MUA-4514	
Ø 5.0	MUA-5006	MUA-5008	MUA-5010			
ANGLED 17°						
Ø 3.5			MUA-3510-17	MUA-3512-17	MUA-3514-17	MUA-3516-17
Ø 4.0			MUA-4010-17	MUA-4012-17	MUA-4014-17	MUA-4016-17
ANGLED 30°						
Ø 3.5			MUA-3510-30	MUA-3512-30	MUA-3514-30	MUA-3516-30
Ø 4.0			MUA-4010-30	MUA-4012-30	MUA-4014-30	MUA-4016-30

MUA MONO ACCESSORIES

(CONNECTION screw Ø 1.6mm)

HEALING SCREW

This is used in the patient's healing phase to protect the MUA abutment until the prosthesis is applied.



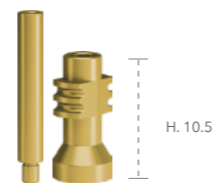
HEALING SCREW
MUA-6030

TRANSFERS

The transfer is screwed onto the MUA for precise position adjustment during the impression taking step.



CLOSED-TRAY TRANSFER
MUA-00611



OPEN-TRAY TRANSFER
MUA-00610

This code includes screw MUA-00612

ABUTMENTS FOR MUA

These abutments must be fixed onto the MUA to build structures.



CASTABLE ABUTMENT STRAIGHT MUA
MUA-5145*



TEMPORARY ABUTMENT STRAIGHT MUA
MUA-5144*

ANALOGS

Analogs reproduce the position of the implant connection within the model, they must be carefully placed on the transfers inside the impression before proceeding with model pouring.



STRAIGHT MUA ANALOG
MUA-00586



3D ANALOG
3D-00587

MUA SCAN

The MUA scan is a device that takes impressions by means of intraoral scanners.



SCAN
SCAN-MUA-16

* complete with MUA-6051S connection screw

MONO ONE-PIECE IMPLANT GRIP

(FOR ANGLED 17°, 30 °)

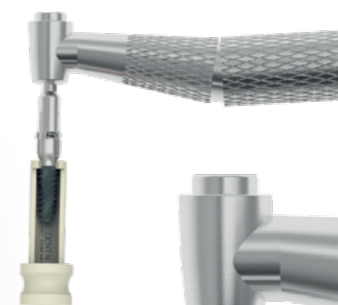
The new packaging is safer and more practical thanks to its anti-tampering opening. The Implant holder vial keeps the implant in position, ready to be picked up using a ratchet or contra-angle drivers.



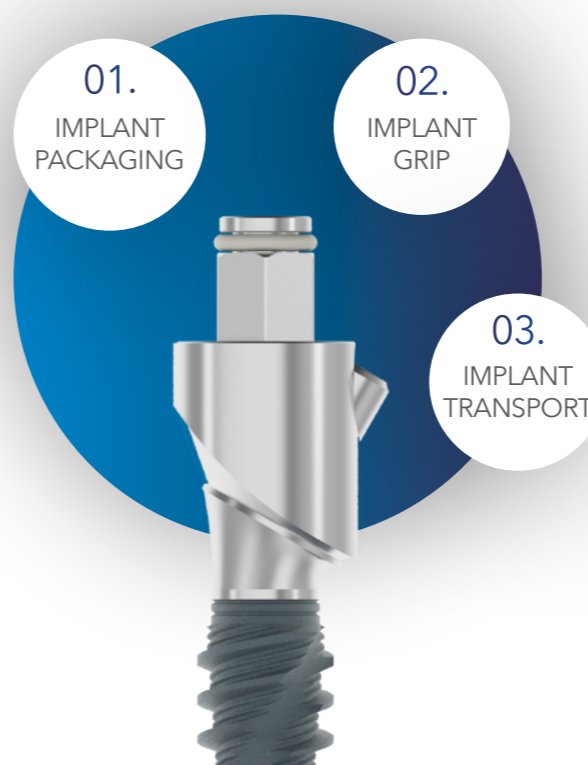
MUA TORQUE RATCHET DRIVER (FOR STRAIGHT MONO)
MUA-00637

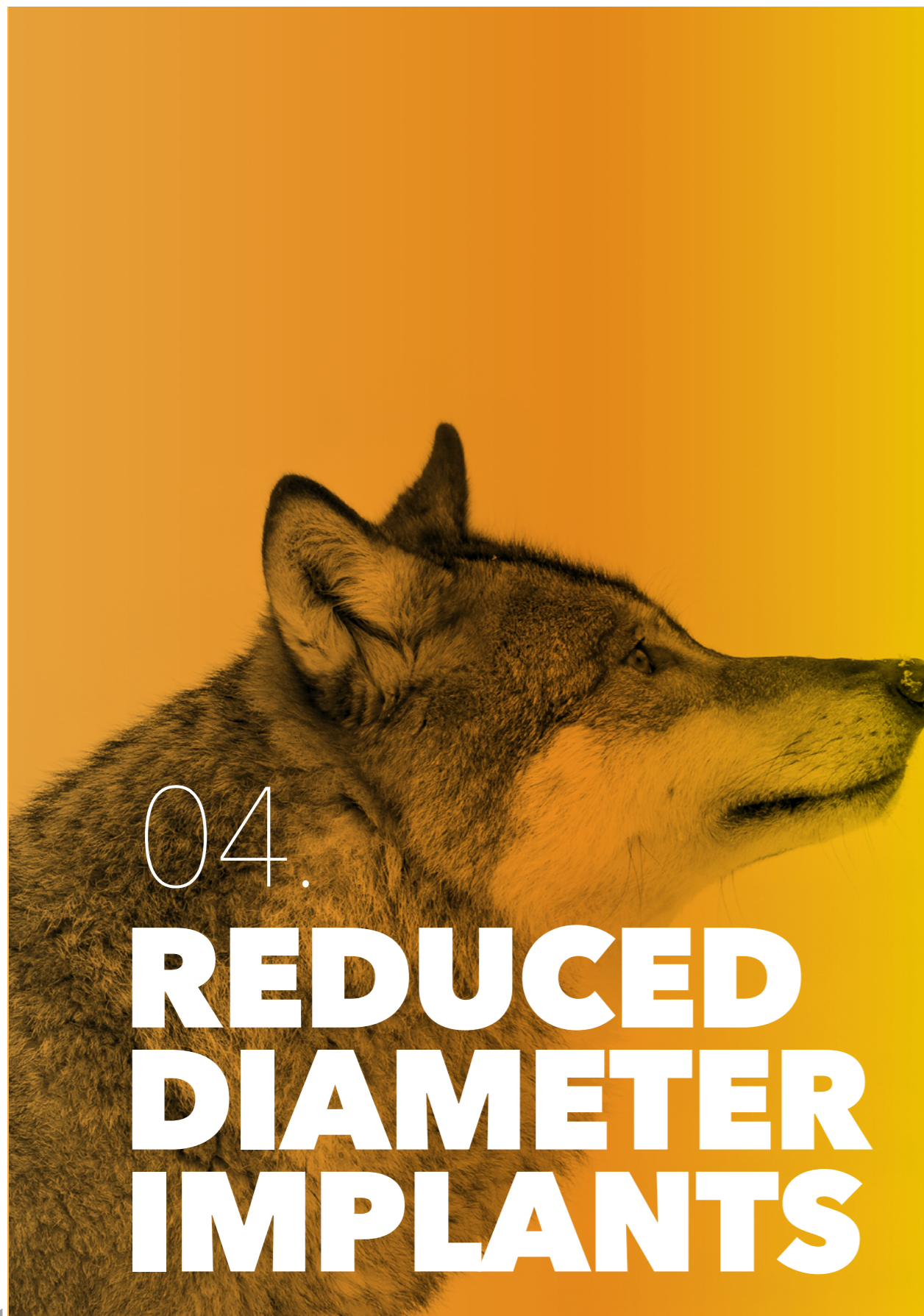


MUA TORQUE RATCHET DRIVER (FOR ANGLED MONO)
INN-00771



MUA CONTA-ANGLE DRIVER (FOR STRAIGHT / ANGLED MONO)
INN-00535/L





04.

REDUCED DIAMETER IMPLANTS

REDUCED DIAMETER IMPLANTS

DURA-VIT SLIM implants have a reduced diameter and hence allow managing cases featuring limited bone crest by exploiting implants having a special surface and features, by B&B Dental. This line has its own very precise taper connection and includes dedicated surgical and prosthetic components, making the protocol intuitive.

DURA-VIT SLIM IMPLANTS

SLIM • LINE

SLIM Ø3,0

HEX TAPER CONNECTION WITHOUT MORSE-TYPE TAPER

- Accurate positioning of prosthetic components
- Excellent choices, respecting parallelism
- Increased mating surface between implant and abutment
- High stability

COLLAR WITH REVERSE TAPER AND ANNULAR MICRO SPLINING

- Excellent support of soft tissues
- Maximum volume of alveolar bone
- Minor crestal bone resorption

SELF-TAPPING DOUBLE THREAD SPIRAL

- Sharp double thread for spiral tap increased depth
- Ensure easy insertion and osteocondensation
- Very high primary stability

PENETRATING TIP

- Allows the penetration in small diameter preparations
- Ideal anchoring

COLLAR MICRO-THREADING

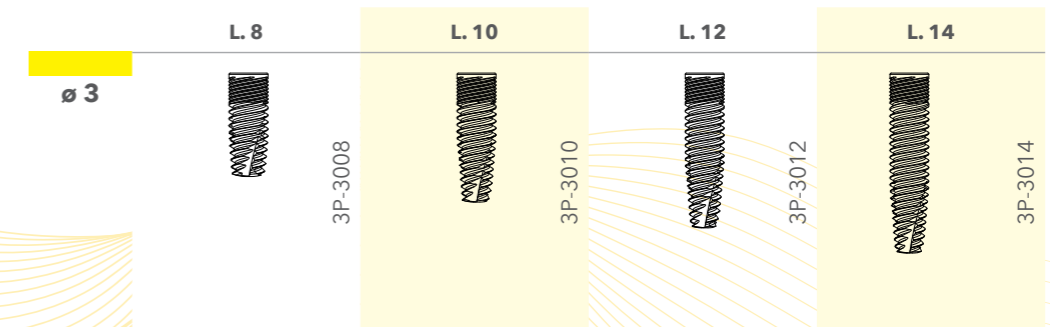
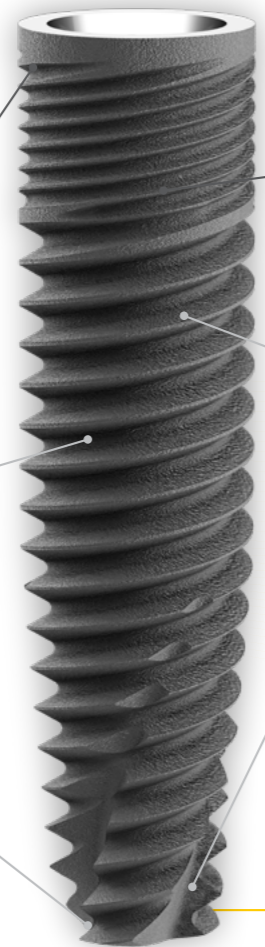
- Increases primary stability
- Makes implant placement easier
- Reduces vertical prosthesis load
- Helps soft tissue healing

TRIPLE-THREAD SPIRAL

- 60° bevelled profile threading
- Increases mating surface with bone to ensure less invasive procedures
- Improves osseointegration

NARROW TIP

- Not suitable for sites close to the nerve or sinus membrane.



These codes include the locking screw

PROPERTIES

SLIM Ø 3,0 IMPLANT

- Excellent in all bone types (especially D1-D2).
- Ensure high primary stability.
- Not ideal in sites next to sinus or nerve.
- Grade 5 Titanium.

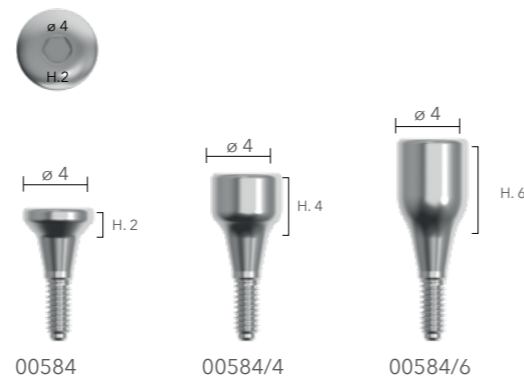
IMPORTANT NOTE

DURA-VIT SLIM ø3.4 and ø3 require the same prosthetic components. Please notice that they are different from the EV, 3P, WIDE and PTERYGO implant lines. The screw secondary component and the analogues of this line are different from those of the EV, 3P, WIDE and PTERYGO lines.

IMPRESSION & HEALING COMPONENTS

HEALING SCREW (grade 5 titanium)

These components are used to rehabilitate soft tissues around the implant so that the final abutment can be later placed.



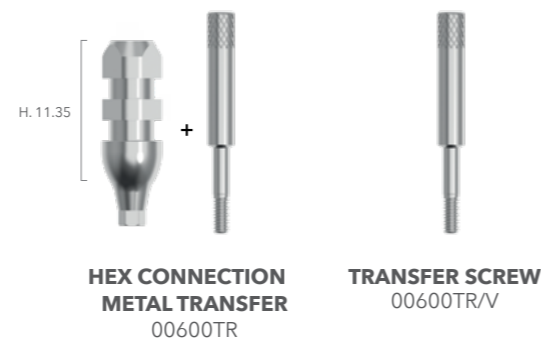
FACILITY TRANSFER CLOSED

For use of the standard tray holder with closed-tray technique, by tightening the transfer coping in the implant and positioning the plastic cap in place it will be possible to obtain a clear positioning in the impression.



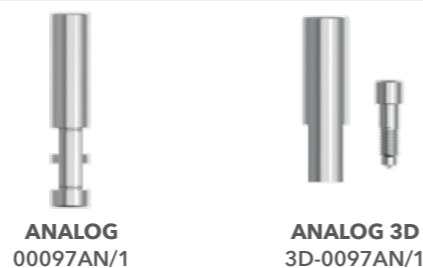
PICK-UP TRANSFER

To be used with open tray holders, with open-tray technique, by screwing the transfer inside the implant it will be possible to obtain a clear positioning in the impression.



ANALOG

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with model pouring.



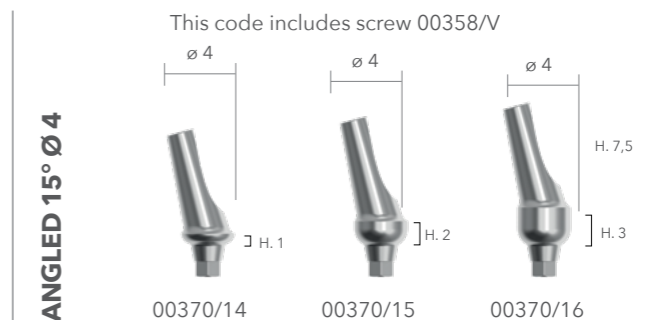
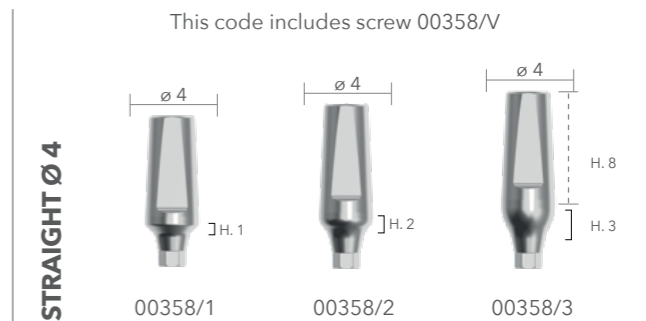
PROSTHETIC COMPONENTS

TITANIUM ABUTMENTS Ø 4

They are titanium components mainly used for cemented prosthesis in the front areas. These abutments DO NOT have a taper coupling.

CHARACTERISTICS

- Reduced need for touching-ups thanks to prepared mucosal margins.
- Different transmucosal heights to adapt to various profiles.
- Cylindrical shape similar to the emerging profile of a natural tooth.



TIGHTENING:

Recommended tightening 25 Ncm. Check tightening torques and procedures on pages 11-12.

IMPORTANT NOTE

Proper position of angled abutments can be checked by ensuring that the driver external hexagon is aligned with the internal hexagon.



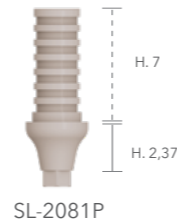
TEMPORARY ABUTMENT IN PEEK

These abutments have been designed as temporary abutments

CHARACTERISTICS

- Utmost adaptability.
- Possibility of customising the emerging profile and adaptation to gum edge profile to obtain excellent aesthetic results.

This code includes screw 00358/V



SL-2081P

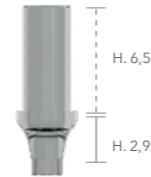
CASTABLE ABUTMENT Ø 4

These abutments must be used with the lost-wax procedure.

CHARACTERISTICS

- Utmost adaptability.
- Possibility of customising the emerging profile and adaptation to gum edge profile to obtain excellent aesthetic results.

This code includes screw 00358/V



00358CA

SLIM DIGITAL TOOLS

TI BASE CEREC® (S LINE)

They are titanium components used for cemented prosthesis and tightened using digital technologies.

These abutments have a taper coupling.

CHARACTERISTICS

- Titanium base.
- Completely customisable prosthesis.
- Use of CAD/CAM technology to produce zirconium abutments to be glued onto the central abutment.

This code includes screw 00358/V



00655



*
*Distributed by B&B Dental

NOTE:

Scanbody items are placed on ScanPost and TiBase for implant data optical acquisition. The grey cap is used with the omnica system. The white cap is used with the bluecam system. Two connections are available:
- S compatible for SLIM (codes: 6431295 - 6431311)
- L - compatible for conexa line (codes: 6431303 - 6431329)



00358/V



TIGHTENING:

Recommended tightening 20 Ncm. Check tightening torques and procedures on pages 11 - 12

SCAN SLIM COMPONENTS

The digital components are specifically designed to be used with scanner and printer. Please send us an e-mail to receive the libraries.

TI LINK SLIM

They are titanium components mainly used for cemented prosthesis with digital technologies.

CHARACTERISTICS

- Reduced need for touching-ups thanks to the prepared mucosal margins.
- Different transmucosal heights to adapt to various profiles.
- Cylindrical shape similar to the emerging profile of a natural tooth.

CASTABLE CYLINDER



SL-0524

PREMILLED BASES

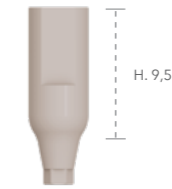
Premilled are bases for the construction of customised milled abutments. These components are characterised by a connection certified by B&B Dental.

3D ANALOGUES

3D analogues can be fixed in the printed models in which they are placed.

IMPORTANT NOTE

To use these components it is necessary to have the B&B Dental libraries. You will find the software libraries in the "download" section of our site. Contact us for further support.



**LONG SCANBODY
SL-SCAN-2-NR**

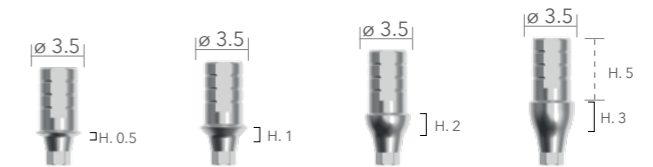
This code includes screw 00358/V



00358/V

NON-ROTATING BASE

This code includes screw 00358/V



00652 00652/1 00652/2 00652/3

ROTATING BASE

This code includes screw 00358/V



00652/R 00652/1R 00652/2R 00652/3R

PREMILLED MEDENTIKA

This code includes screw 00358/V
also available upon request for NT-trading and Des holdres



SL-CF2122 Ti
SL-CB2122 Cr-Co



SL-CF2124 Ti
SL-CB2124 Cr-Co

This code includes screw 3D-02



**3D SLIM ANALOG
3D-0097AN/1**

FLAT ANCHORING SYSTEM

FLAT ABUTMENTS

The flat abutments directly screw onto the implant and are ideal for the reconstruction of complete arches since their design ensures flexibility in a clinical situation where implants are not parallel, keeping the withdrawal axis not beyond 15° for convergent and divergent implants. These abutments simulate the external connection.

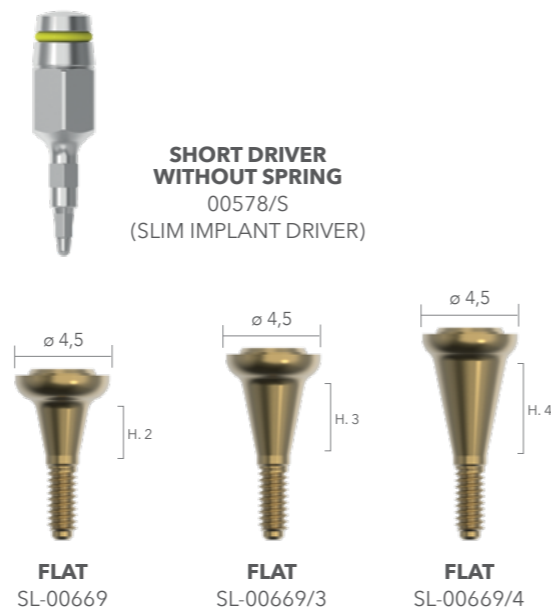
- Screw-retained prosthesis.
- Bar-type prosthesis on implants.
- Immediate installation.

CHARACTERISTICS

- Allow production of stable prosthesis
- Suitable for aesthetic areas.

IMPORTANT NOTE

Do not use whenever implant divergence exceeds 15°.



HEALING SCREW

It is used for mucosal healing and conditioning, on top of FLATs. These components are used to rehabilitate soft tissues above the implant so that the final prosthetic abutment can be placed.



TRANSFERS

The transfer must be placed onto the FLAT to accurately adjust the position. In this case, use the FLAT analogue.



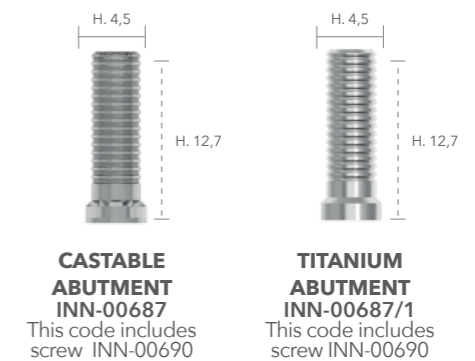
ANALOGUES

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with model pouring.



ABUTMENTS FOR FLAT

These abutments must be fixed onto the FLATs to build structures.



FLAT DIGITAL TOOLS

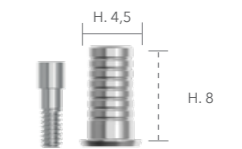
The digital components are specifically designed to be used with scanner and printer. Please Send us an e-mail to receive the libraries.



**SCAN FLAT
SCAN-FLAT**
This code includes screw INN-00690

SCAN FOR FLAT

The FLAT scan is a rotating tool to take impressions by means of intraoral or laboratory scanners.



**FLAT BASE
3D-00687/2**
This code includes screw INN-00690

TI LINK BASES FOR FLAT

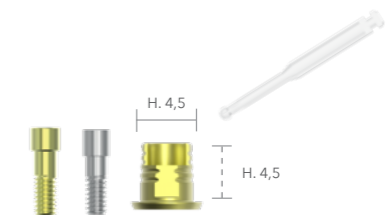
FLAT bases are useful for anchoring crowns above FLATs, since there is no geometric index they are rotating bases.

TI LINK BASES FOR FLAT FOR INCLINED HOLE

It is provided to allow the creation of crowns featuring an angled screw hole.



The base code 3D-00687/1 can be used for inclined holes, by separately purchasing screw code 3D-16



**FLAT BASE FOR INCLINED HOLES
3D-00687/1**
This code includes screw INN-00690

3D ANALOGUES

3D analogues can be fixed in the printed models in which they are placed.



**FLAT 3D ANALOG
3D-00736**
This code includes screw 3D-02



TIGHTENING:

Recommended tightening 15 Ncm. Check tightening torques and procedures on pages 11-12.

IMPORTANT NOTE

To use these components it is necessary to have the B&B Dental libraries. You will find the software libraries in the "download" section of our site. Contact us for further support.

OVERDENTURE

SPHERICAL ANCHORING SYSTEM

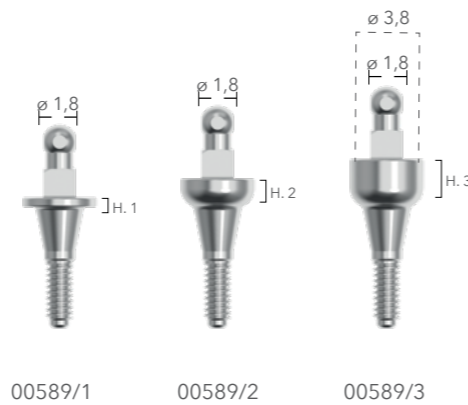
SPHERICAL ABUTMENTS

These abutments allow the stabilization of removable prosthesis in lower and upper jaws. Moreover, special surgical instruments are required, also suitable for placing the DURA-VIT MINI IMPLANT.

CHARACTERISTICS

- Setting off up to 20° divergence between two implants.
- Minimum height of the component, suitable for narrow occlusal space.
- Excellent long-term performance thanks to wear-resistant components.

SPHERICAL ABUTMENTS Ø 1,8



LABORATORY AND SURGICAL INSTRUMENTS



BUTTERFLY KEY
MD-3002



KEY FOR TORQUE RATCHET (Short)
MD-3003S



KEY FOR TORQUE RATCHET (Long)
MD-3003L

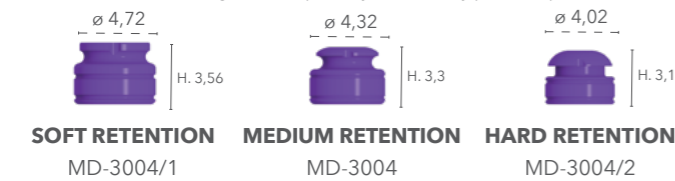


SPHERICAL ANALOG
MD-3007

Ø 1.8 PLASTIC CAP AND METAL HOUSINGS

Three different retention levels are available for prosthesis matrices, which are obtained by using special O-rings and metal matrices.

NOTE: The metal housing is sold separately, without any plastic cap inside.



SOFT RETENTION MD-3004/1
MEDIUM RETENTION MD-3004
HARD RETENTION MD-3004/2



O-RING (LARGE)
MD-3005/1 (5 pieces)



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



ELASTIC
049PCM (6 pieces)



EXTRA SOFT
060CRM AY (6 pieces)



SOFT
040CRM SN (6 pieces)



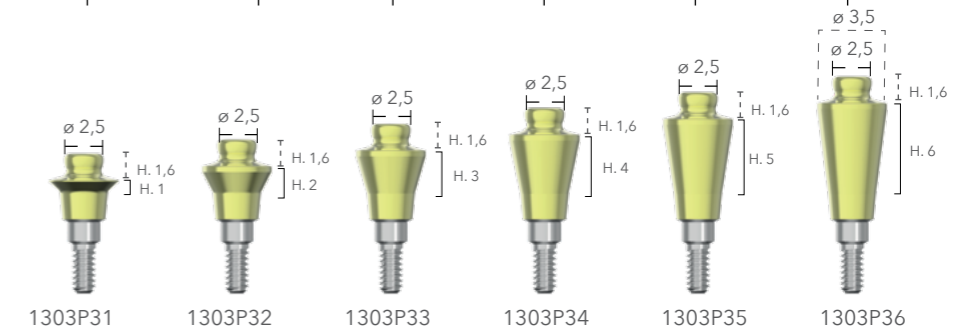
METAL HOUSING
041CAM (2 pieces)

OT EQUATOR



COMPLETE SET

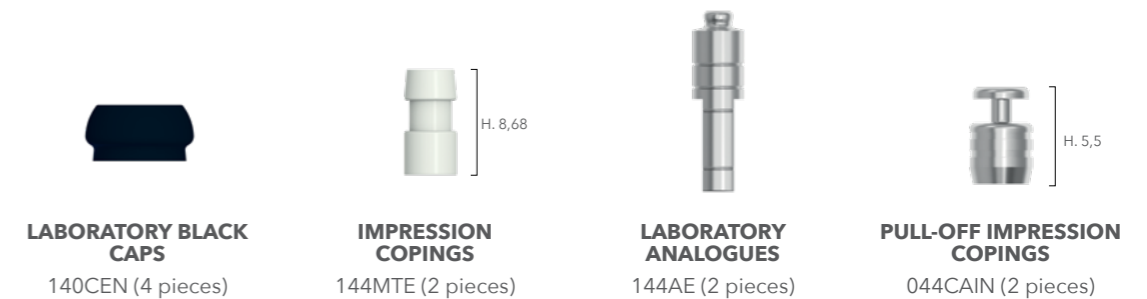
- 1 Anchoring abutment
- 1 Stainless steel housing for caps
- 1 Violet cap -strong retention
- 1 White cap -standard retention
- 1 Pink cap -soft retention
- 1 Yellow cap -extrasoft retention
- 1 Black laboratory cap



CAPS WITH METAL HOUSING



LAB ACCESSORIES



SURGICAL INSTRUMENTS AND DRIVERS



TIGHTENING:

Recommended tightening 20 Ncm. Check tightening torques and procedures on pages 11-12.

MINI IMPLANTS

The DURA-VIT implant line is equipped with implant solutions for most of the clinical implantology needs.

Mini implants are single-phase implants with an integrated spherical or cubic prosthetic connection that can be used to stabilise removable prostheses or to rehabilitate single teeth in areas of limited space.

These implants are equipped with dedicated instruments and components for both manual and guided insertion.





05.

MINI IMPLANTS

DURA-VIT MINI BALL HEAD

MINI • LINE

BALL HEAD

- To allow immediate long-term retention of prostheses with the use of retentive caps or o-rings

STANDARD TRANSMUCOSAL ROUTE

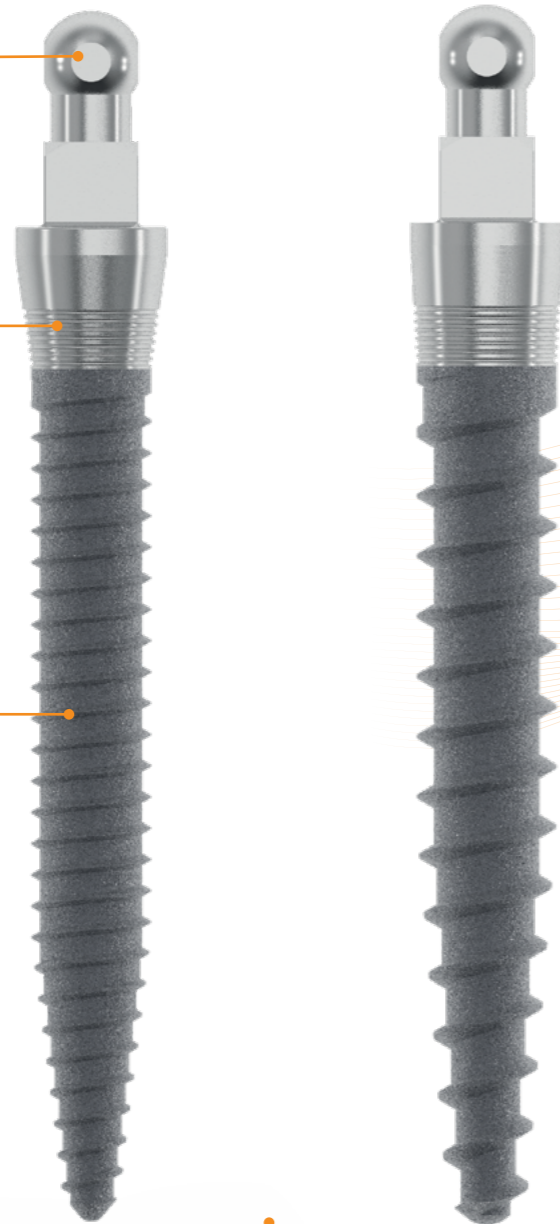
- One standard size

FINE SPIRAL THREAD

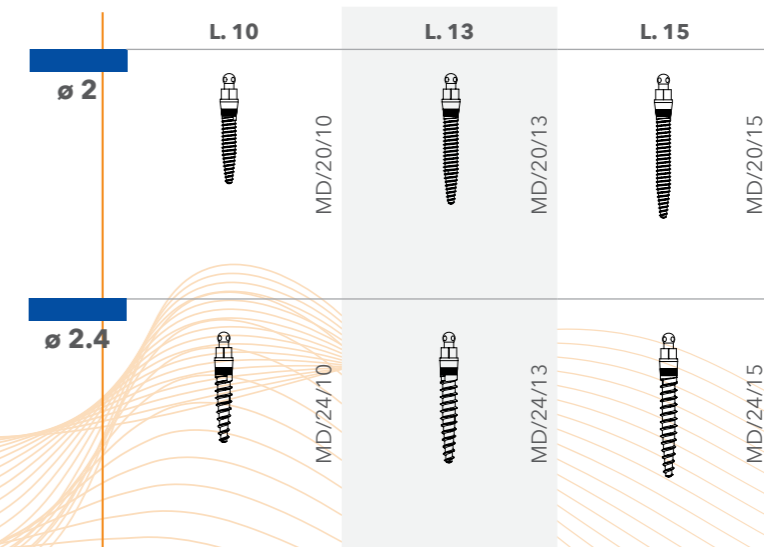
- Suitable for hard bones, easily inserted

WIDE SPIRED THREAD

- Suitable for spongy bones





MINI • LINE



PROPERTIES

- They allow positioning in areas of limited space.
- Ideal for stabilising removable prostheses and for single teeth
- Can be used with immediate load.
- Grade 5 Titanium.

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

MINI LINE colour code	 ø 2,0	 ø 2,4
Final drill diameter	ø 2,0	ø 2,4

PROSTHETIC COMPONENTS FOR BALL HEAD

ANALOG

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with model pouring.



SPHERICAL ANALOG
MD-3007

TRANSFER

The transfer is applied onto the abutment of mini spherical implants for precise adjustment of the position.



IMPRESSION COPINGS
MD-3014

STRAIGHT ABUTMENTS

These abutments are specially designed to fit the spherical head of the implants belonging to the mini line with spherical head.



TEMPORARY CAP
MD-3013

STRAIGHT ABUTMENTS
MD-3010

PVC PROTECTION

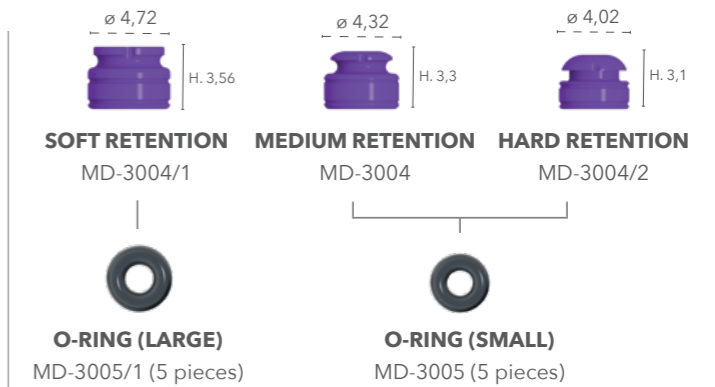
The protection prevents resin from seeping into the cap during the incorporation of the caps into the prosthesis.



PVC PROTECTION
MD-3008

Ø 1.8 PLASTIC CAPS AND METAL HOUSINGS

Three different retention levels are available for prosthesis matrices, which are obtained by using special O-rings and metal matrices.



NOTE: The metal prosthesis matrix is sold separately, without any plastic cap inside.

PROSTHETIC COMPONENTS FOR QUADRA HEAD

ANALOG

Analogues reproduce the implant shape and connection inside the model. They must be carefully placed on the transfers inside the impression before proceeding with model pouring.



SQUARE ANALOG
MA-1007

SQUARE HEAD TRANSFER/CASTABLE

It has two functions: transfer and castable abutment for implant position adjustment and implant prosthesis application.



CASTABLE
MD-3006

SURGICAL INSTRUMENTS & KITS

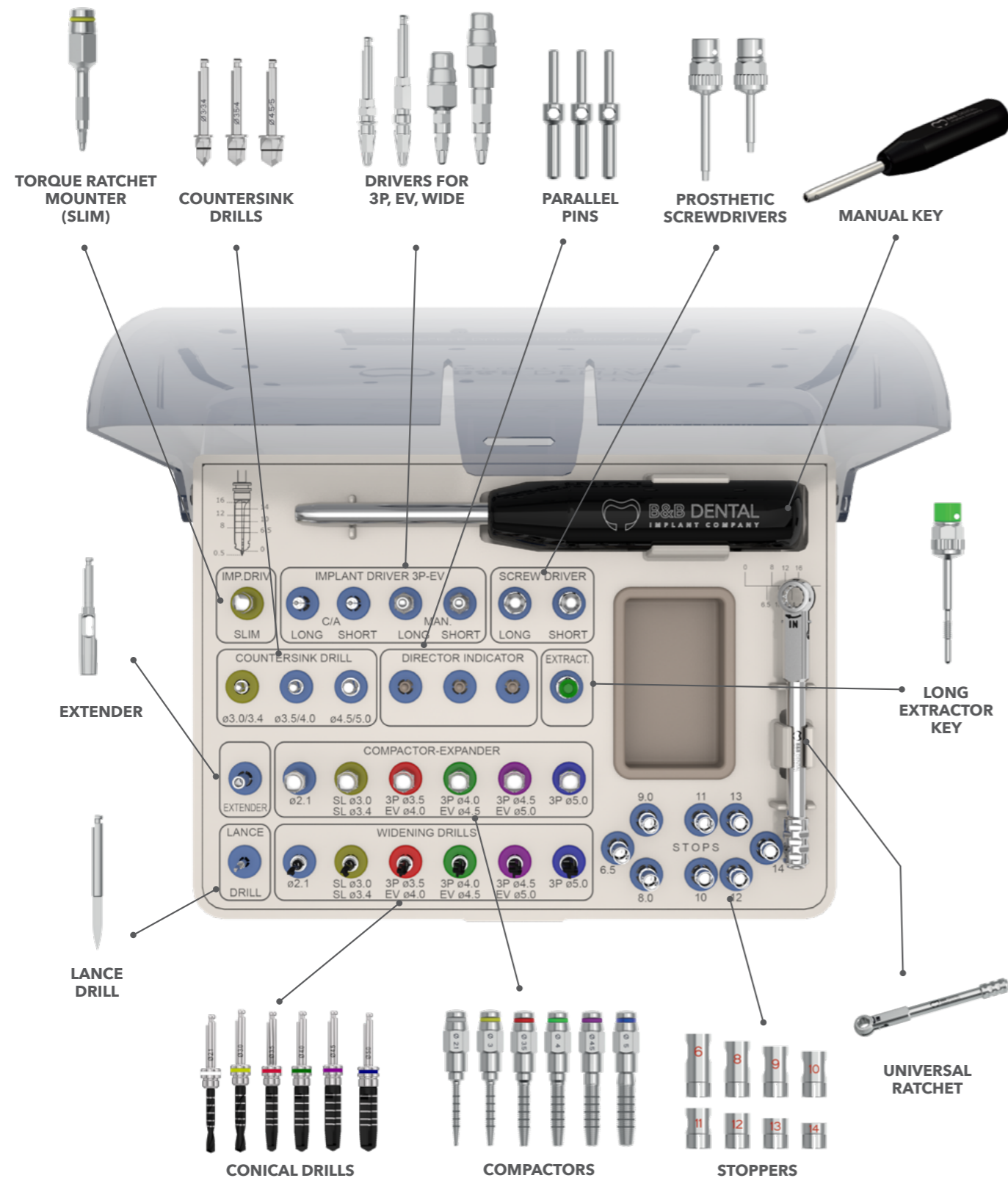


The study and care put into the production of implants are also applied to the design of surgical instruments. Although they are also sold separately, B&B Dental has prepared pre-set surgical kits, dedicated to the main techniques of the DURA-VIT line, to guarantee that the clinician has always the necessary instruments at the right time.

Please note that surgical instruments must be stored with care, tested for proper operation and wear, and periodically evaluated for replacement to keep them in optimal working order and ensure they are safe.



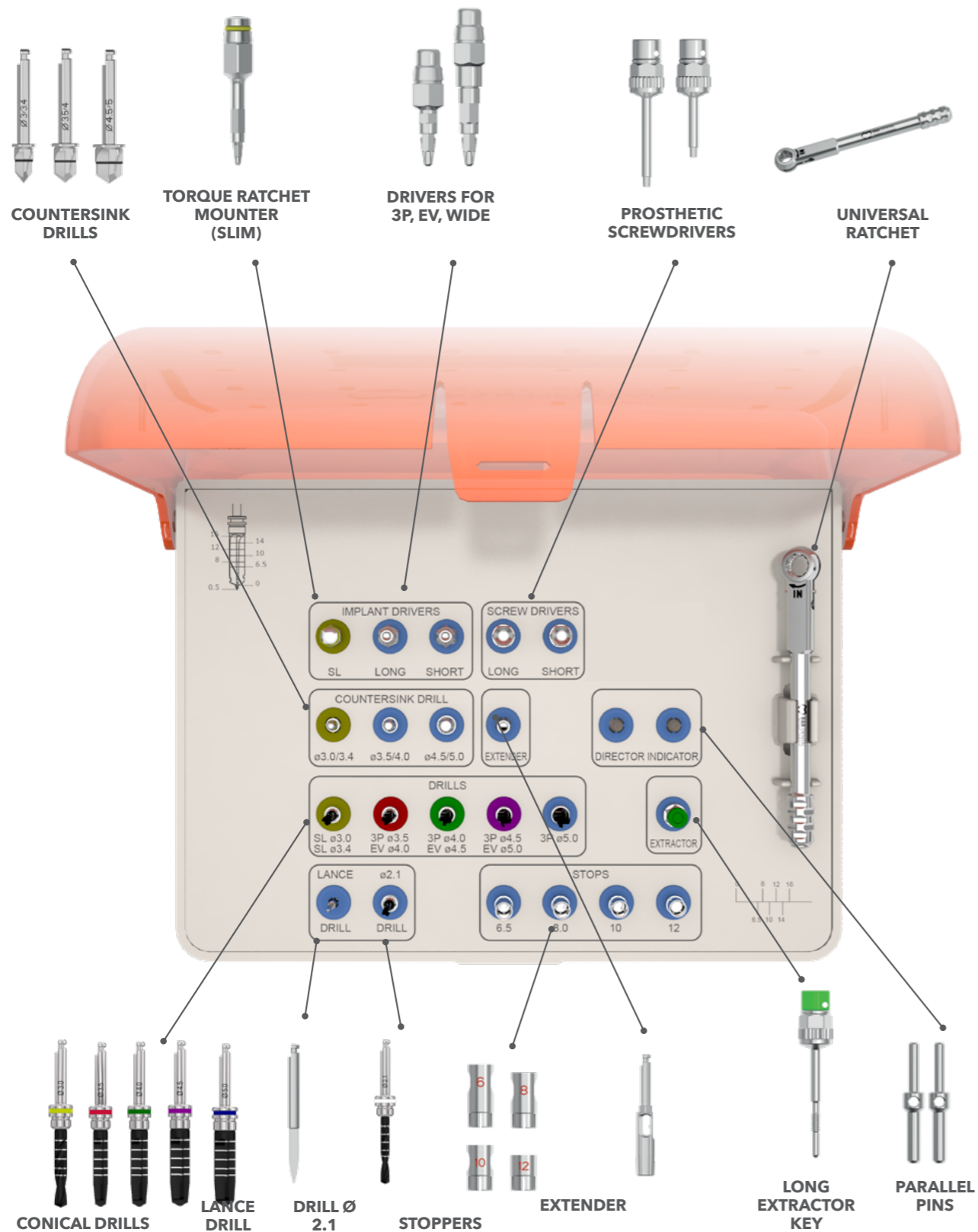
COMPLETE SURGICAL KIT FOR 3P/EV/SL -DURA-VIT LINE



REF. 3P-00092SC

Extender	Ref. 00236N	Metal stopper L. 8,0 mm	Ref. STOP01
Lance drill	Ref. 147-021	Metal stopper L. 9,0 mm	Ref. STOP07
Drill Ø 2,1	Ref. 00074CUT	Metal stopper L. 10 mm	Ref. STOP02
Conical drill Ø 3,0	Ref. 00075CUT	Metal stopper L. 11 mm	Ref. STOP08
Conical drill Ø 3,5	Ref. 3P-35CUT	Metal stopper L. 12 mm	Ref.
Conical drill Ø 4,0	Ref. 3P-40CUT	Metal stopper L. 13 mm	Ref. STOP09
Conical drill Ø 4,5	Ref. 3P-45CUT	Metal stopper L. 14 mm	Ref. STOP04
Conical drill Ø 5,0	Ref. 3P-50CUT	Parallel pins (3 pcs)	Ref. 00441T
Compactor-expander Ø 2,1	Ref. 201-3P	Slim implant driver (Long)	Ref. 00578/L
Compactor-expander Ø 3,0	Ref. 281-3P	Implant contra-angle key (Short)	Ref. INN-00581
Compactor-expander Ø 3,5	Ref. 331-3P	Implant contra-angle key (Long)	Ref. INN-00581/L
Compactor-expander Ø 4,0	Ref. 381-3P	Implant driver (Long)	Ref. INN-00590/2
Compactor-expander Ø 4,5	Ref. 431-3P	Implant driver (Short)	Ref. INN-00590/1
Compactor-expander Ø 5,0	Ref. 481-3P	Prosthetic screwdriver (Long)	Ref. INN-61000L
Countersink drill Ø 3,0/3,4	Ref. NECK-334	Prosthetic screwdriver (Short)	Ref. INN-61000
Countersink drill Ø 3,5/4,0	Ref. NECK-354	Universal ratchet	Ref. 00376
Countersink drill Ø 4,5/5,0	Ref. NECK-455	Manual key	Ref. 3P-00090CM
Metal stopper L. 6,5 mm	Ref. STOP06	Extractor key (Long)	Ref. INN-6161L

SIMPLIFIED SURGICAL KIT FOR 3P/EV/SL -DURA-VIT LINE

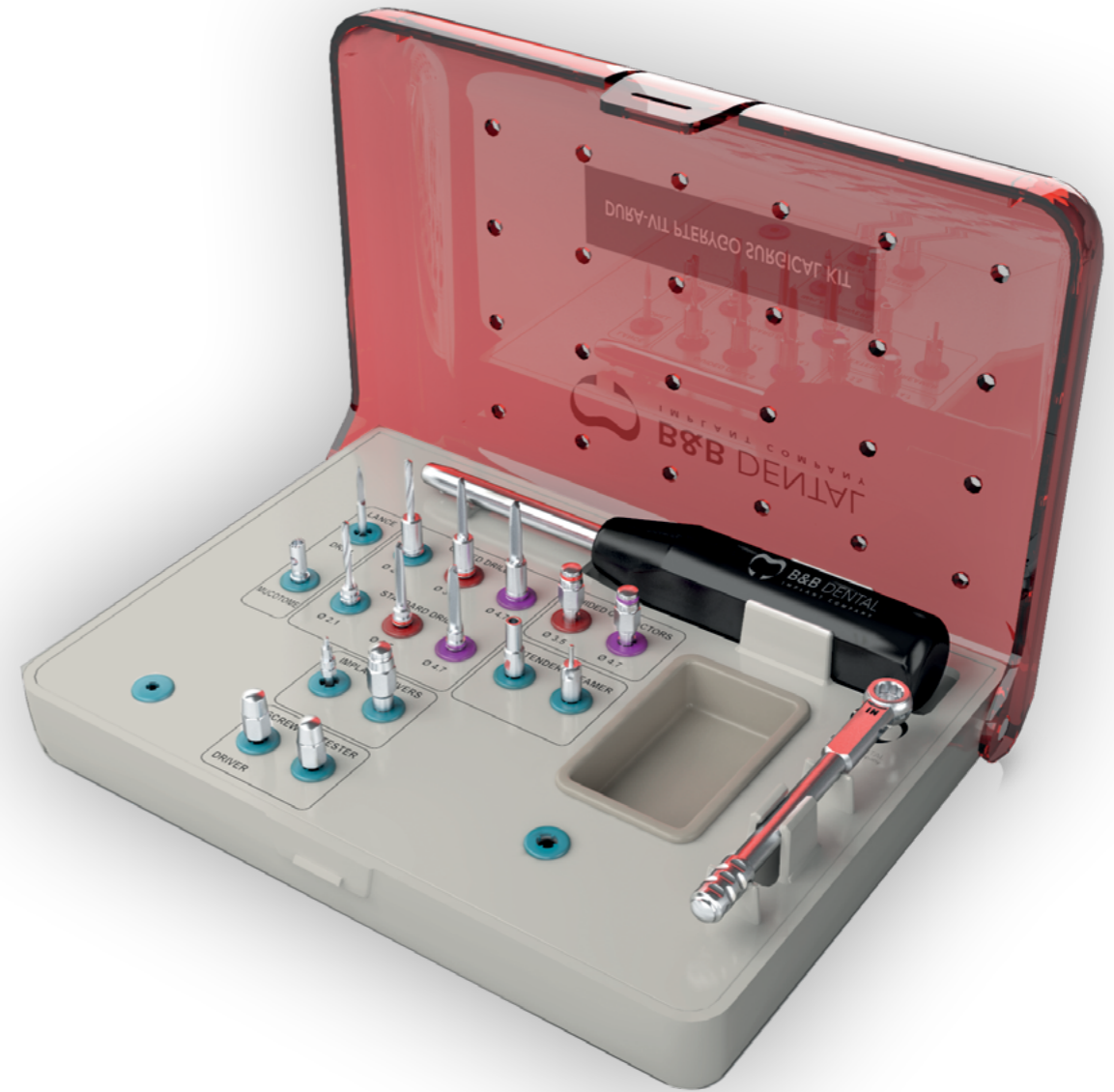
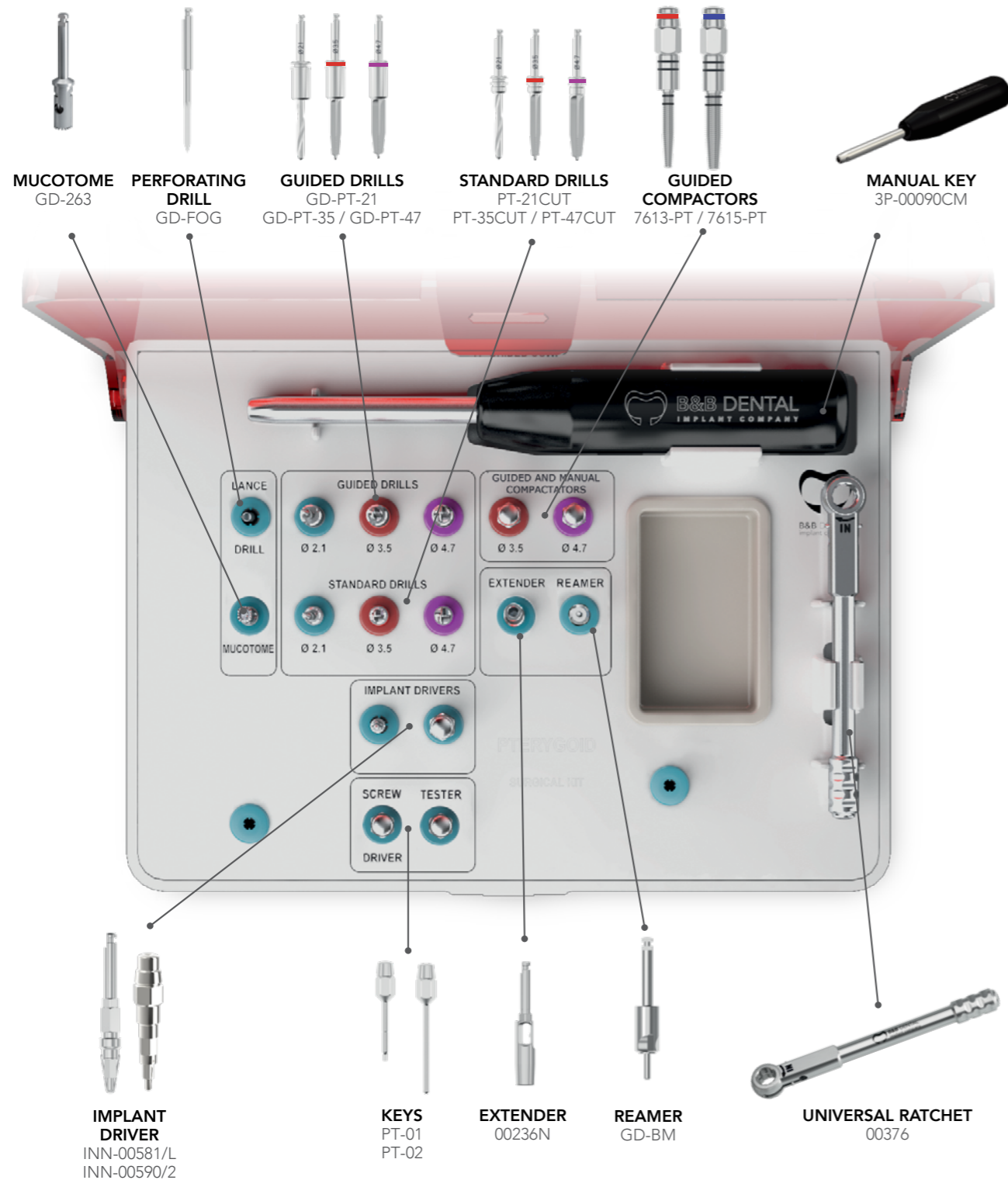


REF. 3P-000955C

Lance drill	Ref. 147-021	Countersink drill Ø 3,0/3,4	Ref. NECK-334
Drill Ø 2,1	Ref. 00074CUT	Countersink drill Ø 3,5/4,0	Ref. NECK-354
Metal stopper L. 6,5 mm	Ref. STOP06	Countersink drill Ø 4,5/5,0	Ref. NECK-455
Metal stopper L. 8,0 mm	Ref. STOP01	Slim implant driver (Long)	Ref. 00578/L
Metal stopper L. 10,00 mm	Ref. STOP02	Implant driver (Long)	Ref. INN-00590/1
Metal stopper L. 12,00 mm	Ref. STOP03	Implant driver (Short)	Ref. INN-00590/2
Conical drill Ø 3,0	Ref. 00075CUT	Prosthetic screwdriver (Long)	Ref. INN-61000L
Conical drill Ø 3,5	Ref. 3P-35CUT	Prosthetic screwdriver (Short)	Ref. INN-61000
Conical drill Ø 4,0	Ref. 3P-40CUT	Extractor key (Long)	Ref. INN-6161L
Conical drill Ø 4,5	Ref. 3P-45CUT	Parallel pins (2 pcs)	Ref. 00441T
Conical drill Ø 5,0	Ref. 3P-50CUT	Universal ratchet	Ref. 00376
Extender	Ref. 00236N		

KIT FOR PTERYGO IMPLANTS

FOR PTERYGO -DURA-VIT LINE

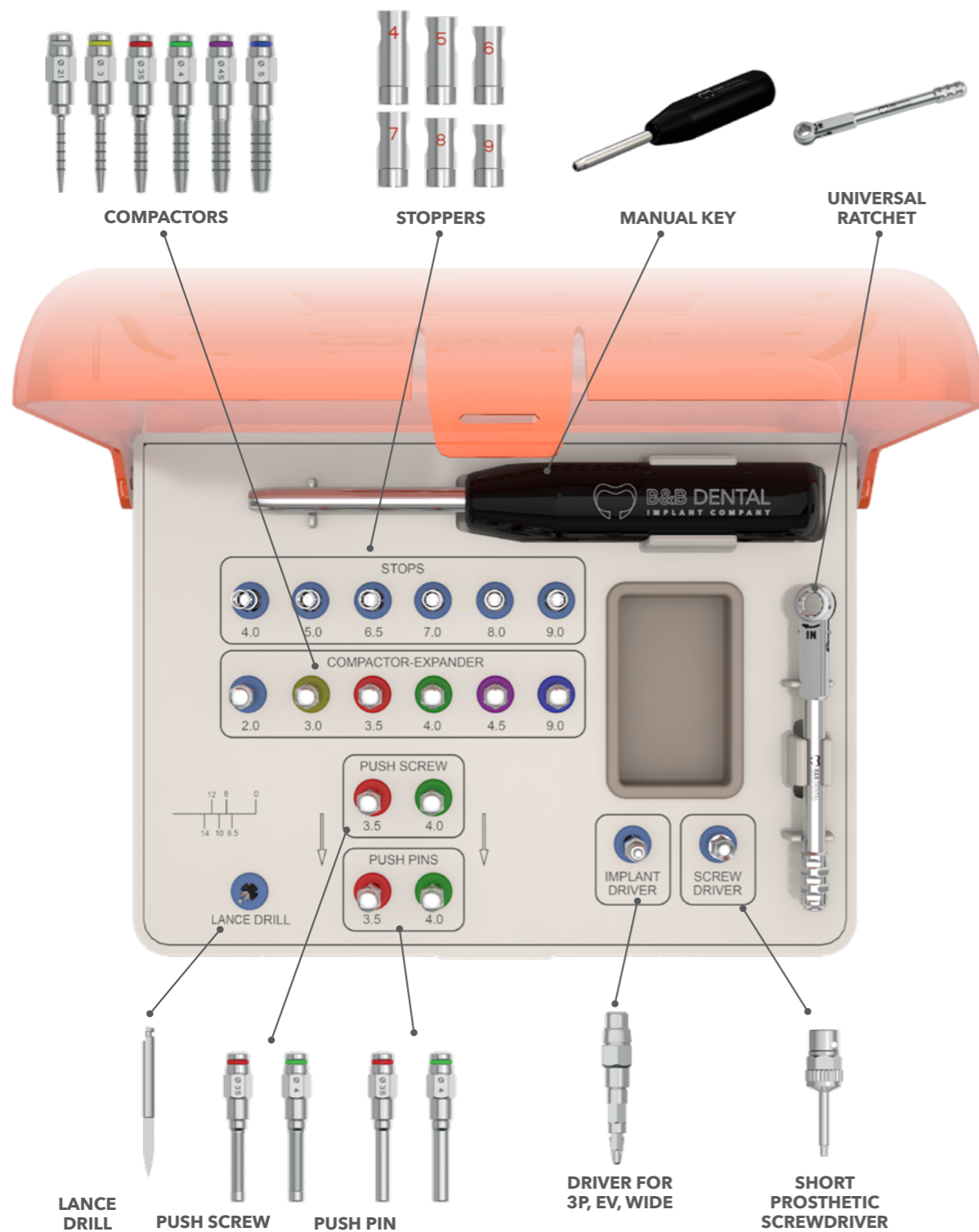


REF. PT-00092SC

Prosthetic key for pterygo system ratchet	Ref. PT-01	Guided compactors Ø 3	Ref. 7613-PT
Probe key for pterygo system ratchet	Ref. PT-02	Guided compactors Ø 4,7	Ref. 7615-PT
Pterygoid guided drill Ø 2,1	Ref. GD-PT-21	Manual inserter	Ref. 3P-00090CM
Pterygoid guided drill Ø 3,5	Ref. GD-PT-35	Mucotome	Ref. GD-263
Pterygoid guided drill Ø 4,7	Ref. GD-PT-47	Perforating drill	Ref. GD-FOG
Pterygoid drill Ø 2,1	Ref. PT-21CUT	Ratchet driver	Ref. INN-00590/2
Pterygoid drill Ø 3,5	Ref. PT-35CUT	Contra-angle key	Ref. INN-00581/L
Pterygoid drill Ø 4,7	Ref. PT-47CUT	Extender	Ref. 00236N
		Reamer	Ref. GD-BM
		Universal ratchet	Ref. 00376

CRESTAL SINUS LIFT KIT

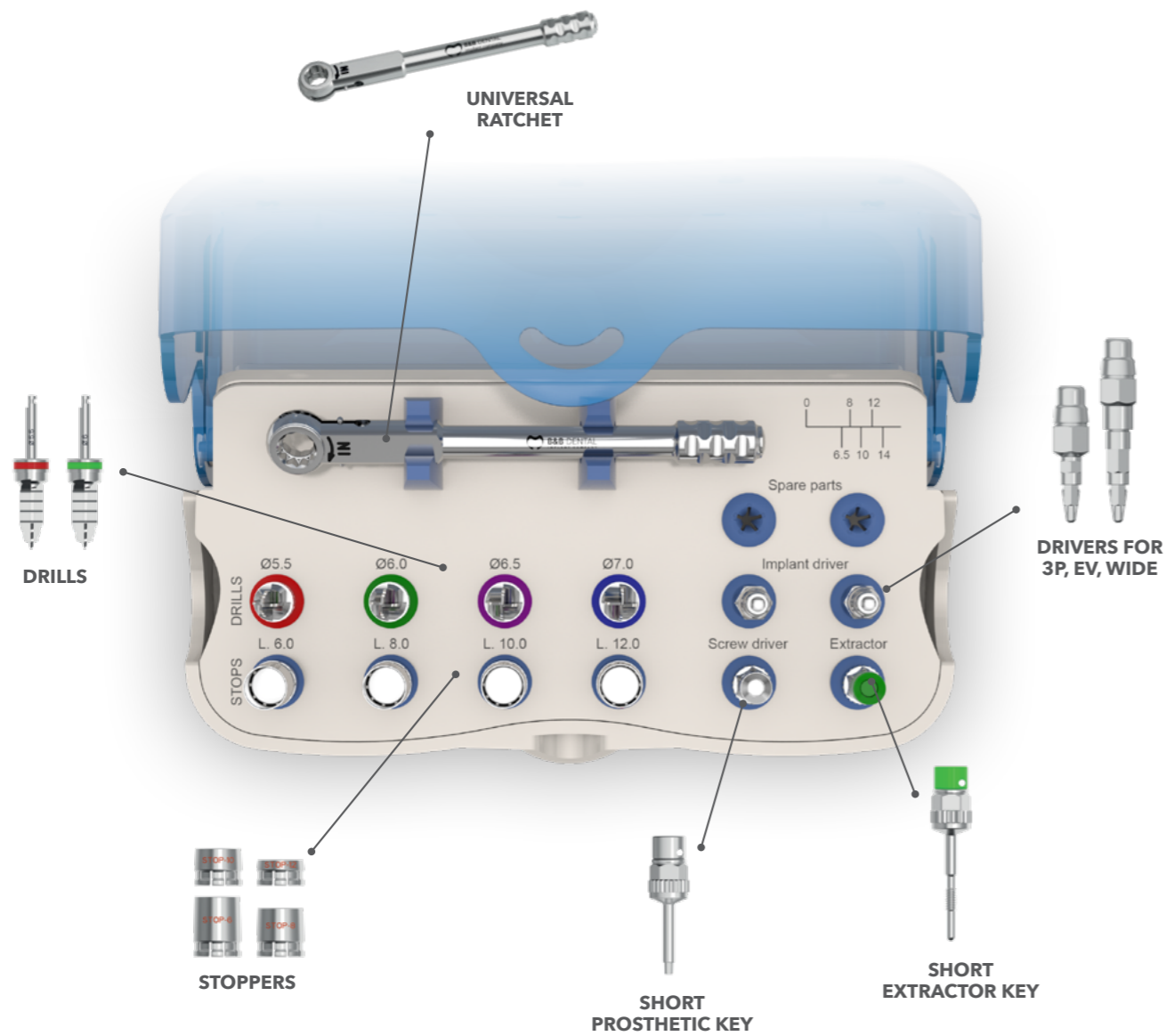
DURA-VIT LINE



REF. 3P-00093SC

Lance drill	Ref. 147-021	Metal stopper L. 8,0 mm	Ref. Stop01
Compactor-expander Ø 2,1	Ref. 201-3P	Metal stopper L. 9,0 mm	Ref. Stop07
Compactor-expander Ø 3,0	Ref. 281-3P	Push pin Ø 3,5	Ref. SL-PP35
Compactor-expander Ø 3,5	Ref. 331-3P	Push pin Ø 4,0	Ref. SL-PP40
Compactor-expander Ø 4,0	Ref. 381-3P	Push screw Ø 3,5	Ref. SL-PS35
Compactor-expander Ø 4,5	Ref. 431-3P	Push screw Ø 4,0	Ref. SL-PS40
Compactor-expander Ø 5,0	Ref. 481-3P	Torque ratchet mounter (Long)	Ref. INN-00590/2
Metal stopper L. 4,0 mm	Ref. Stop12	Manual key	Ref. 3P-00090CM
Metal stopper L. 5,0 mm	Ref. Stop05	Prosthetic screwdriver (Short)	Ref. INN-61000
Metal stopper L. 6,5 mm	Ref. Stop06	Universal ratchet	Ref 00376
Metal stopper L. 7,0 mm	Ref. Stop11		

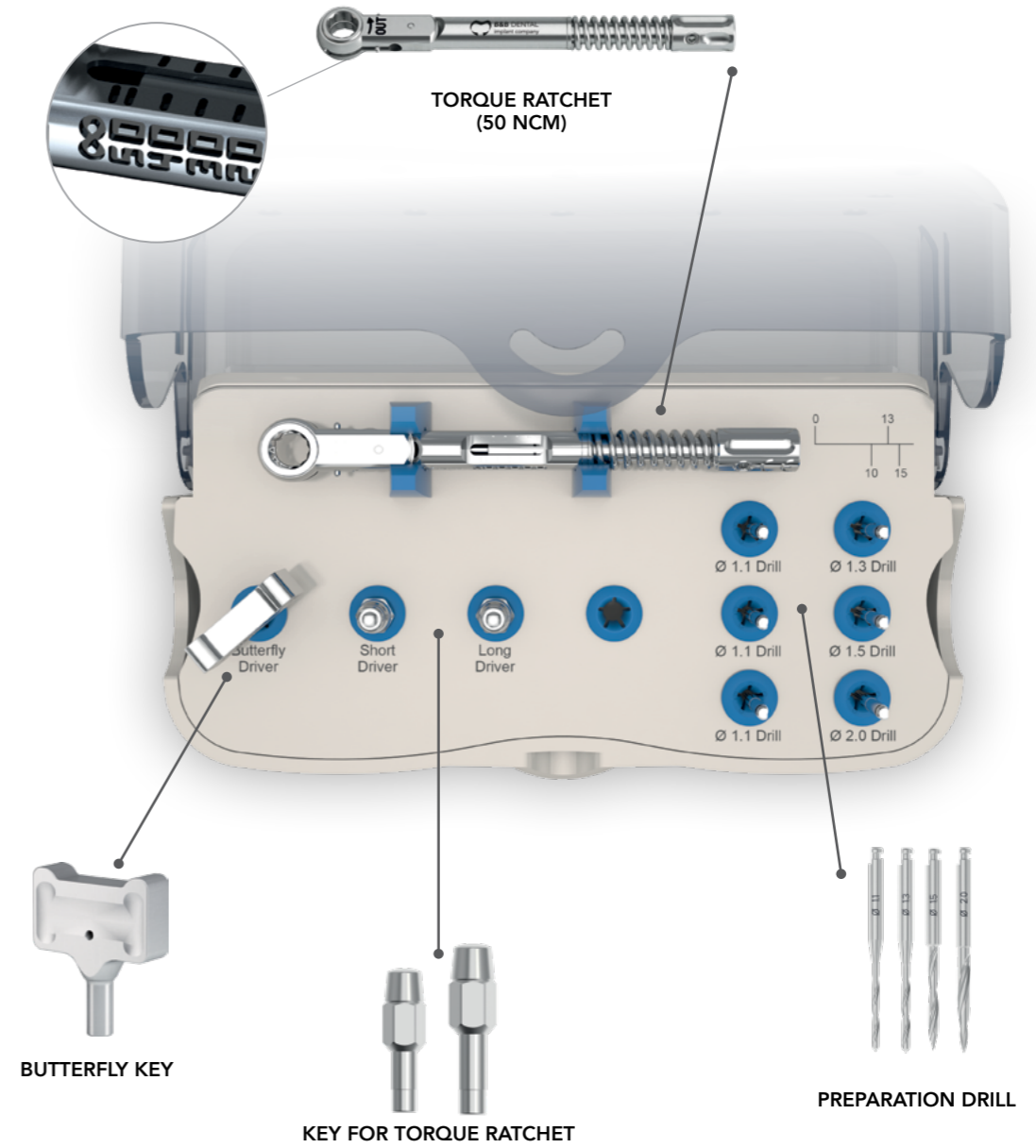
WIDE SURGICAL KIT



REF. WIDE-00092SC

WIDE drill Ø 5,5	Ref. WIDE-55CUT	Extractor Key (Short)	Ref. INN-6161
WIDE drill Ø 6,0	Ref. WIDE-60CUT	Implant driver (Short)	Ref. INN-00590/1
WIDE Metal stopper L. 6,5 mm	Ref. W-STOP06	Implant driver (Long)	Ref. INN-00590/2
WIDE Metal stopper L. 8,0 mm	Ref. W-STOP08	Prosthetic screwdriver (Short)	Ref. INN-61000
WIDE Metal stopper L. 10 mm	Ref. W-STOP10	Universal ratchet	Ref. 00376
WIDE Metal stopper L. 12 mm	Ref. W-STOP12		

DURA-VIT MINI IMPLANT KIT



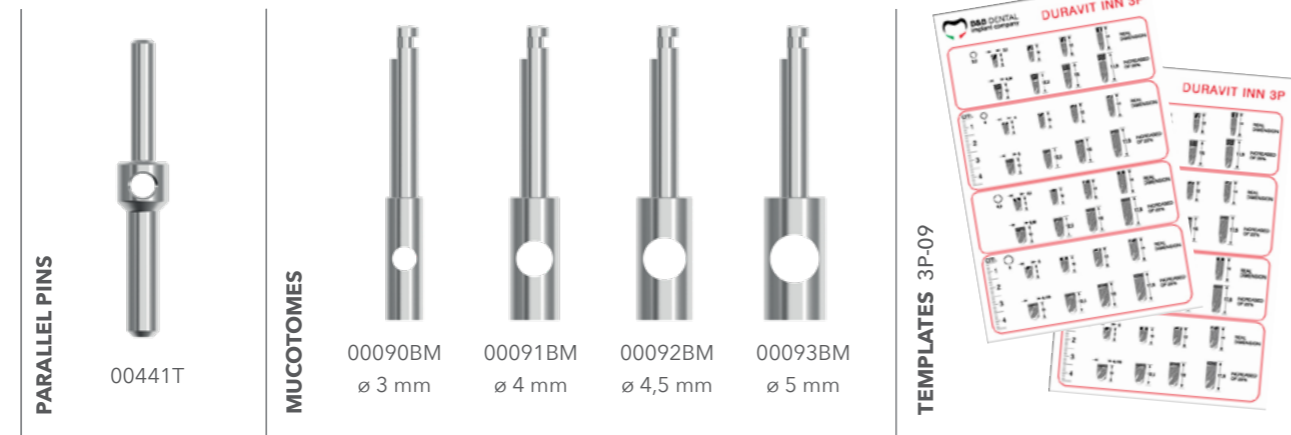
REF. 00075SC

Torque ratchet (50ncm)	Ref. 00376DIN	Key for torque ratchet (short)	Ref. MD-3003S
Preparation drill Ø 1,1	Ref. MD-3001/11	Key for torque ratchet (long)	Ref. MD-3003L
Preparation drill Ø 1,3	Ref. MD-3001/13	Butterfly key	Ref. MD-3002
Preparation drill Ø 1,5	Ref. MD-3001		
Preparation drill Ø 2	Ref. MD-3001/2		

SURGICAL COMPONENTS

SURGICAL INSTRUMENTS

Parallel pins help drills aiming once inserted into the surgically prepared implant site. The **Mucotomes**, used with low-speed contra-angle, allow piercing the mucosa according to the diameter of the chosen implant. The **Templates** help the surgeon in choosing the right implant during the planning stage using the panoramic X-rays. The whole range of DURA-VIT 3P implants is shown in 2 size scales: a real one and another one zoomed in at 25%, considering panoramic X-ray distortions.



IMPORTANT NOTE
Use the extender only for drills, DO NOT use for implant insertion.

INITIAL DRILLS

EXTENDER DRILL

It increases the drilling depth during surgery.

LANCE DRILL

It creates the implant insertion point and is used to penetrate the cortical bone plates to assess bone quantity and quality.

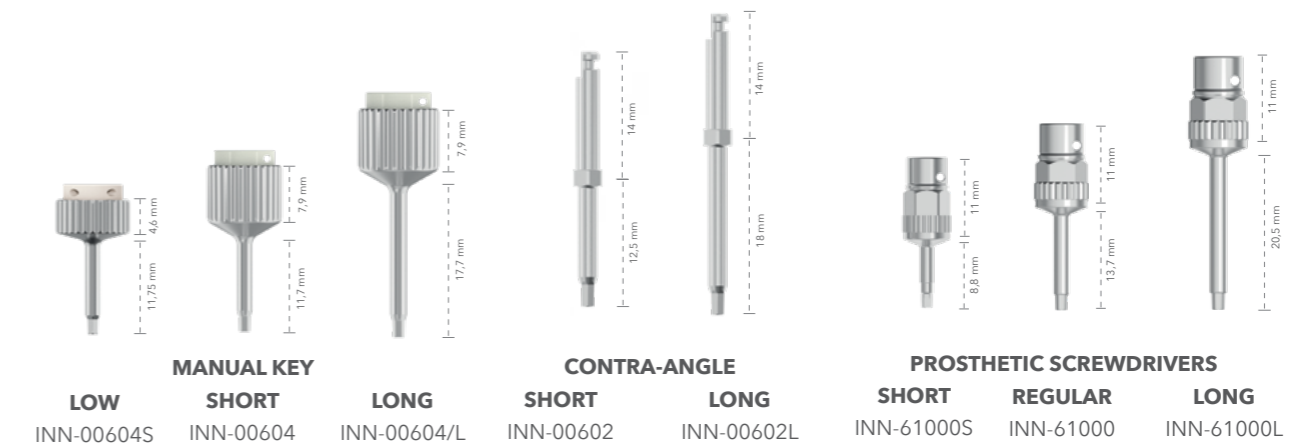
ROUNDED DRILL

Prepares the cortical bone plate at implant neck level.



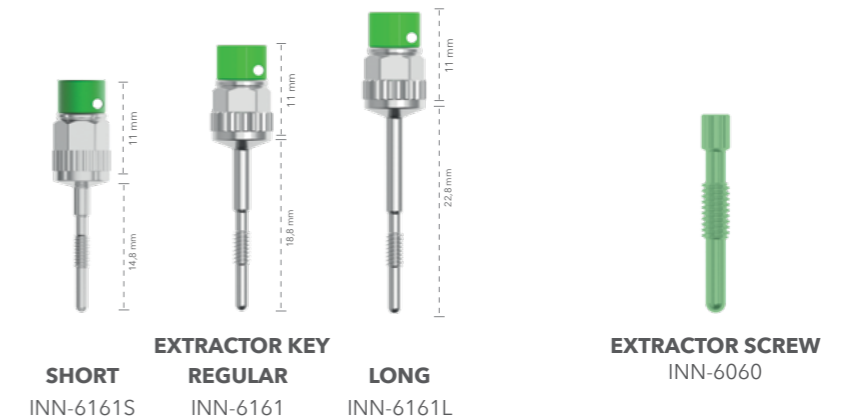
PROSTHETIC SCREWDRIVERS

- Hex screwdriver 1.27 mm (hardened steel).
- For all prosthetic, healing and locking screws.



EXTRACTORS

The extraction keys and screw are used to disengage the prosthetic components used for taper coupling from the implant.



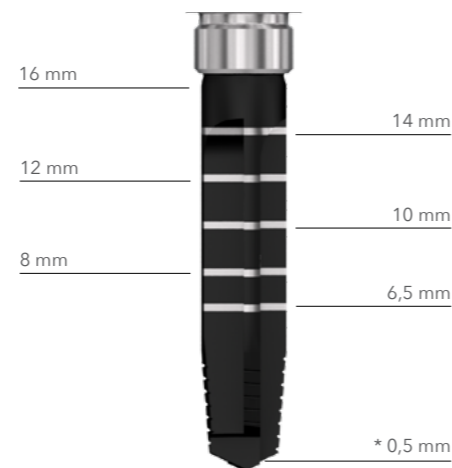
RATCHET & MANUAL KEY

- Finger driver allows to transform the torque ratchet driver into 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.



CONICAL DRILLS

- Drills are available in sequential diameters.
- Made of surgical metal with DLC coating, they must be used with external irrigation.
- Drills are identified by colour coding and are laser-marked with the corresponding diameter.
- The grooves on the edges help when preparing the implant site length.
- Presence of 5 laser-marked notches indicating depth.



IMPORTANT NOTE

Add 0.5 mm to drill length considering the angled tip.



STANDARD STOPPERS

- Stoppers ensure easy and accurate preparation of implant site depth.
- Laser marking for immediate length identification.
 - Easy and quick to install.

* not included in the kit



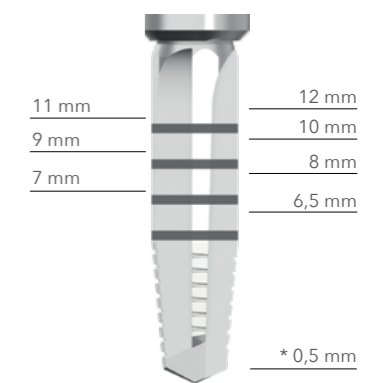
STOPPERS Ø 5

* not included in the kit



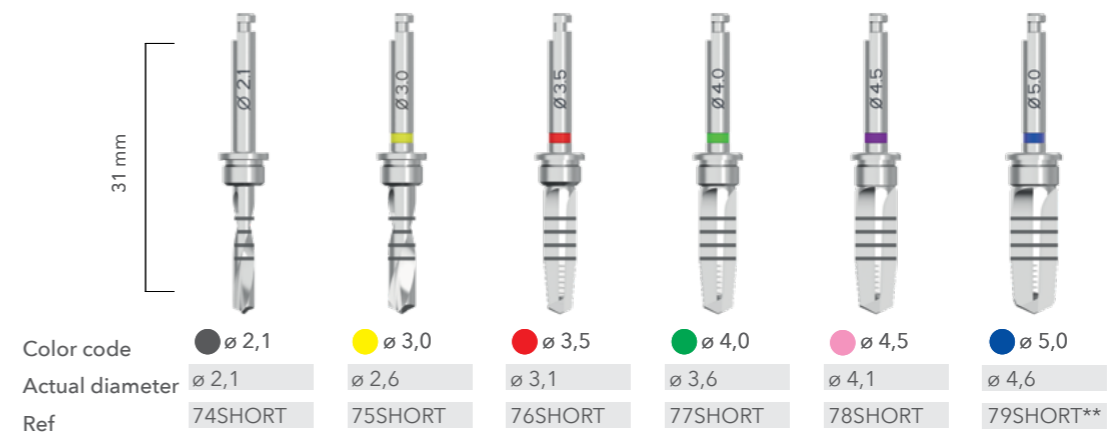
SHORT CONICAL DRILL

- Drills are available in sequential diameters.
- Made of surgical metal, they must be used with external irrigation.
- Drills are identified by colour coding and are laser-marked with the corresponding diameter.
- The grooves on the edges help when preparing the implant site length.
- Presence of 4 laser-marked notches indicating depth.



IMPORTANT NOTE

Add 0.5 mm to drill length considering the angled tip.

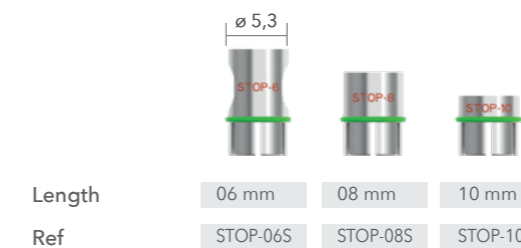


Reference grooves and laser-marked notches

STOPPERS FOR SHORT DRILLS

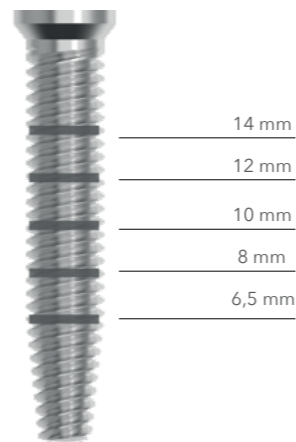
- Stoppers ensure easy and accurate preparation of the implant site depth.
- Laser marking for immediate length identification.
 - Easy and quick to install.

****NOTE:** stoppers cannot be installed to taper drill ø 5 and on expansion compactor ø 5,0



COMPACTORS-EXPANDERS

-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 depth for an easy identification during the surgery.
 -The laser lines on compactors-expanders help to prepare the length of the implant site.



IMPORTANT NOTE

Compactors expanders can be used with stops on page 79.

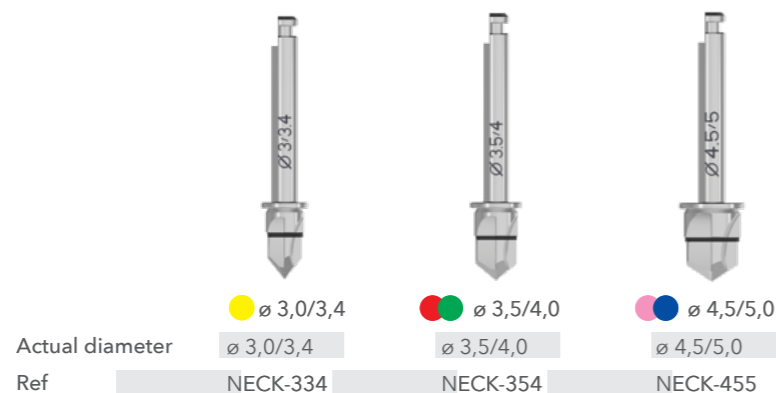


Color code	● \varnothing 2.1	● \varnothing 3	● \varnothing 3.5	● \varnothing 4	● \varnothing 4.5	● \varnothing 5
Actual diameter	\varnothing 2,0	\varnothing 2,5	\varnothing 3,2	\varnothing 3,7	\varnothing 4,2	\varnothing 4,7
Ref	201-3P	281-3P	331-3P	381-3P	431-3P	481-3P**

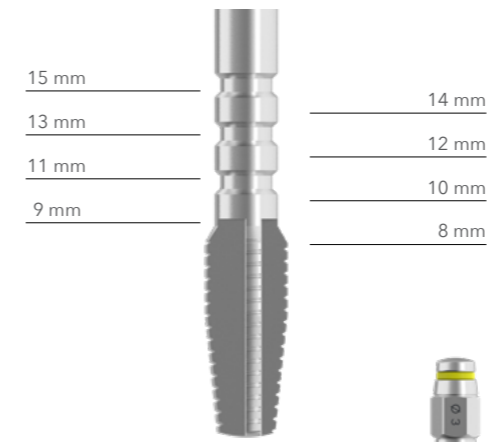
****NOTE:** stoppers cannot be installed to taper drill \varnothing 5 and on expansion compactor \varnothing 5,0

COUNTERSINK DRILLS

Used in case of hard bone, to prepare cortical neck for implant placement, widening the crestal area of implant site.



Actual diameter	● \varnothing 3,0/3,4	● \varnothing 3,5/4,0	● \varnothing 4,5/5,0
Ref	NECK-334	NECK-354	NECK-455



15 mm	14 mm
13 mm	12 mm
11 mm	10 mm
9 mm	8 mm

BONE TAPS

Screw taps are used to prepare implant site threaded profile, so as to reduce pressure on the bone. Tapping must be carried out with a ratchet and as the last step before implant placement.



Color code	● \varnothing 3	● \varnothing 3.5	● \varnothing 4	● \varnothing 4.5	● \varnothing 5
Actual diameter	\varnothing 3,0	\varnothing 3,5	\varnothing 4,0	\varnothing 4,5	\varnothing 5,0
Ref	TAP-30	TAP-35	TAP-40	TAP-45	TAP-50

REAMERS

In case of excessive growth of bone onto the implant, the bone reamer allows excess removal to help insertion of prosthetic and surgical components.



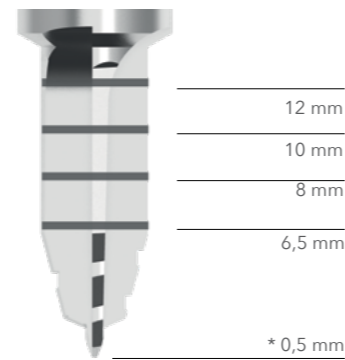
IMPLANT PLACEMENT

In order to obtain the best possible results from the healing process, it is important to place the implant 1 or 1.5 mm below the crestal level and never above it. B&B Dental implants have been designed and treated to allow the perimetral bone to carry out proliferation and osseointegration also along the implant neck, thereby lending long-term stability to the implant. Implant surface is fully mordanted on the outside to offer a valid support on which the bone can proliferate, thus promoting osseointegration. This type of placement together

with abutment design realise the so-called "platform switching" concept whose effectiveness has been widely recognised by literature as well as its key importance for implant rehabilitation positive results in the long term, in terms of stability and aesthetics. Stop length is equal to the implant length or higher by a millimetre in order to help implant placement and an easier osteotomy preparation. If required, it is also possible not to use the stops, and instead pay attention to the laser marks on the drills for preparation.

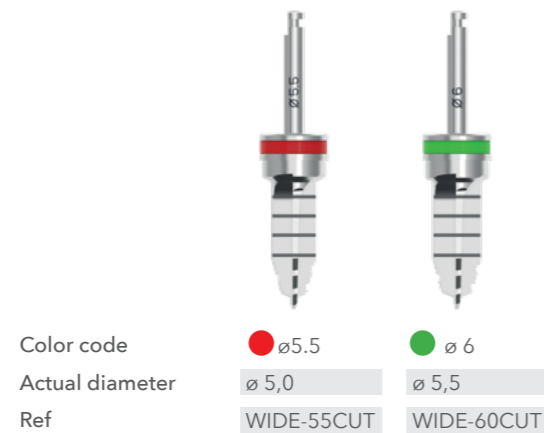
WIDE CONICAL DRILLS

- Drills are available in sequential diameters.
- Made from surgical metal, they must be used with external irrigation.
- Drills are identified by colour coding and are laser-marked with the corresponding diameter.
- The grooves on the edges help when preparing the implant site length.
- Presence of 4 laser-marked notches indicating depth.



IMPORTANT NOTE

Add 0.5 mm to drill length considering the angled tip.



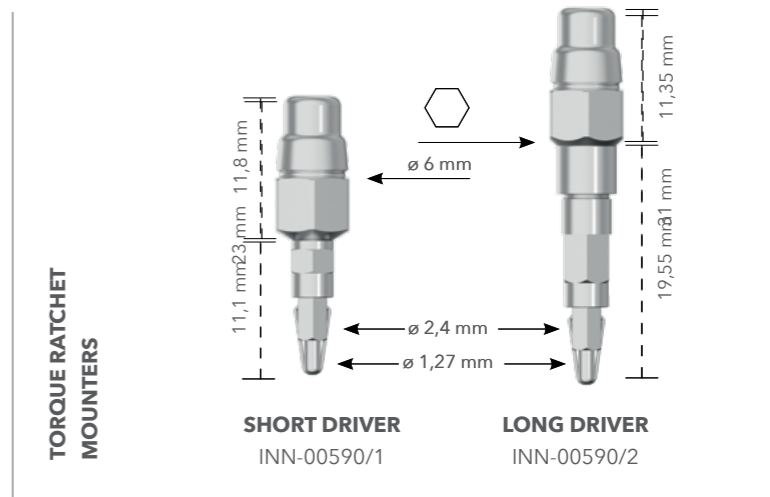
WIDE STOPPERS

- Wide stops ensure easy and accurate preparation of the implant site depth.
- Laser marking for immediate length identification.
- Easy and quick to install.



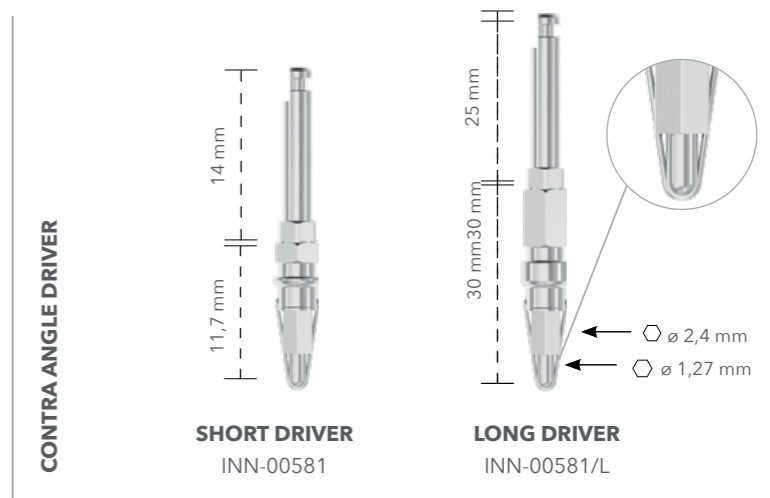
MOUNTERS FOR 3P, EV, WIDE IMPLANTS

- Hardened steel drivers to finally drive 3P, EV and WIDE implants.
- Driver external hexagon is aligned with the internal hexagon. During implant insertion and final placing, this allows you to immediately obtain proper positioning of angled abutments.



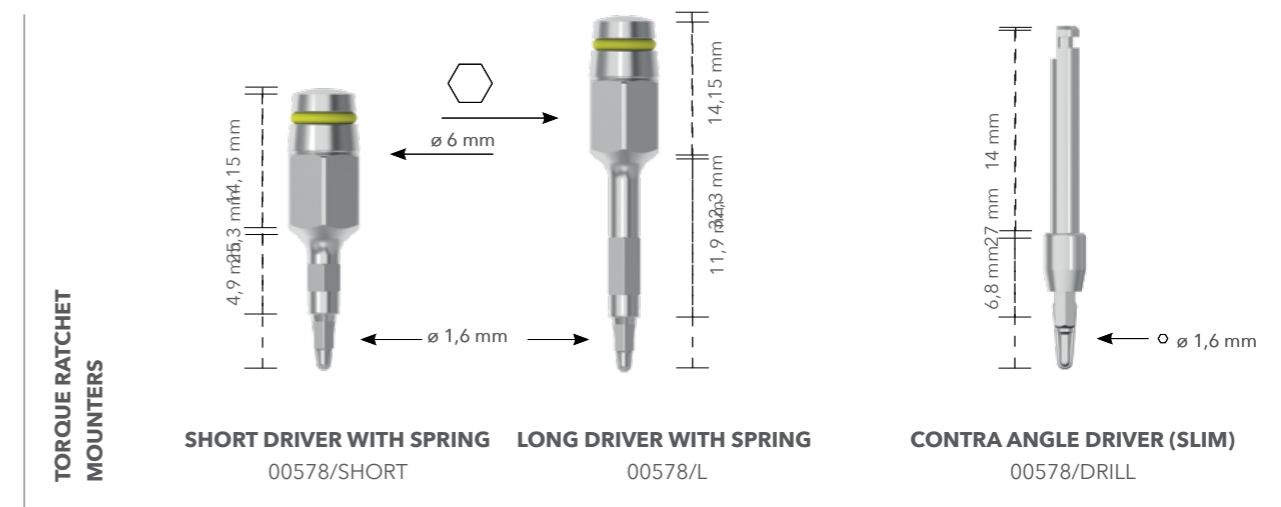
TIGHTENING:

Maximum rightening 70 Ncm. Check tightening torques and procedures on pages 11-12.



DRIVERS FOR SLIM IMPLANTS

- Hardened steel drivers to finally drive SLIM implants.
- Driver external hexagon is aligned with the internal hexagon. During implant insertion and final placing, this allows you to immediately obtain proper positioning of angled abutments.



SURGICAL PROTOCOLS

3P DRILLING PROCEDURE

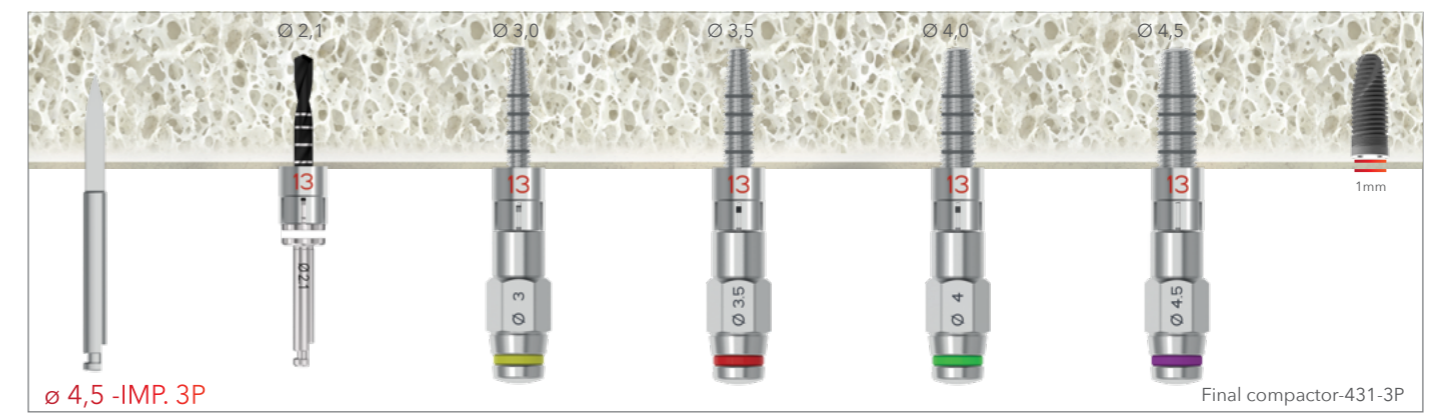
SUITABLE FOR USE IN HARD BONE (D1-D2)

An efficient and atraumatic implant site preparation is created through a procedure relying on a gradual drilling technique. The whole stage of bone tissue drilling must be performed under an abundant external irrigation with saline or, preferably, sterile distilled water. Furthermore, drilling must be intermittent both to avoid bone to heat up and to create a pumping effect that will help effective removal of bone tissue.



SUITABLE FOR USE IN SOFT BONE (D3-D4)

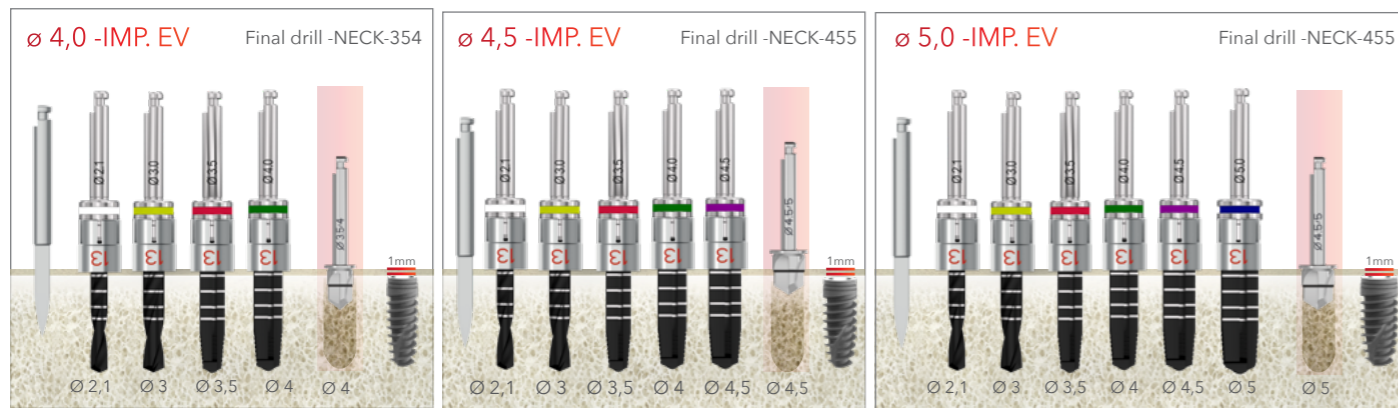
Compactor-expander of the DURA-VIT system are a valid alternative to osteotomes for maxillary expansion and condensation, when preparing the implant site. Expansion compactor are also an alternative to the maxillary sinus elevation procedure using Summers technique. DURA-VIT compactor-expander increase implant clinical success, improving primary stability and maintaining bone density. They are used and mounted on manual driver or straight key, and this reduces the trauma caused by percussion osteotomes.



EV DRILLING PROCEDURE

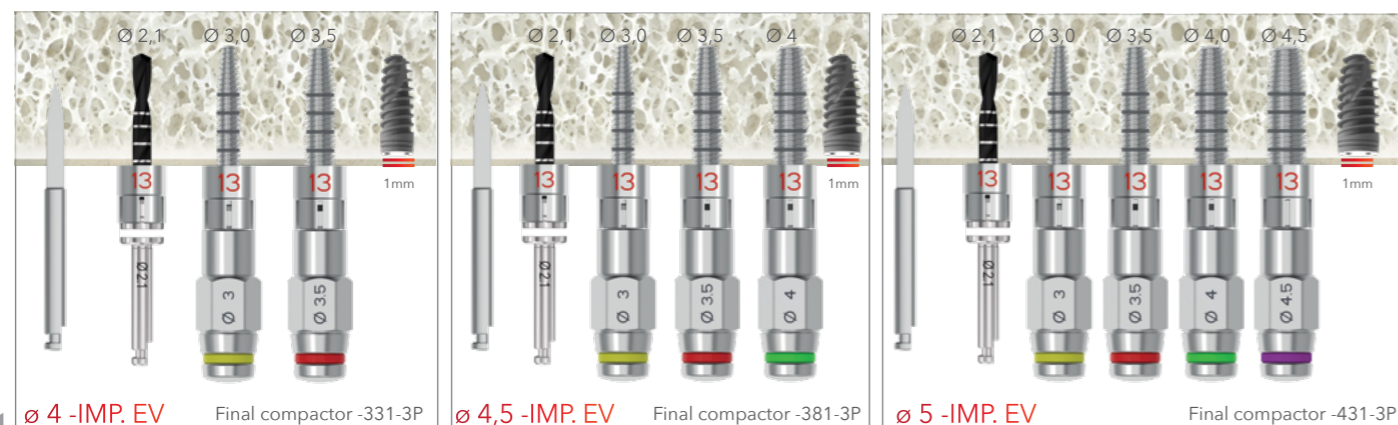
SUITABLE FOR USE IN HARD BONE (D1-D2)

An efficient and atraumatic implant site preparation is created through a procedure relying on a gradual drilling technique. It must be intermittent to avoid bone to heat up. In case of resistance during placement, turn counter-clockwise by 2-3 turns and carry on with the placement.



SUITABLE FOR USE IN SOFT BONE (D3-D4)

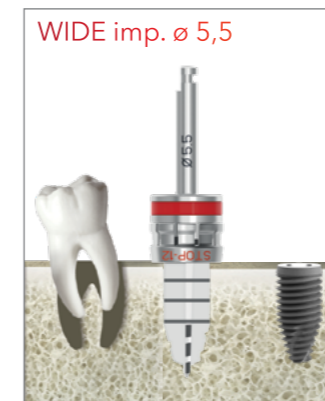
When bone is soft, the procedure requires the use of compactor-expander of the DURA-VIT system to be able to expand and condense the maxillary sinuses. Compactor-expander increase success rate, improving primary stability and maintaining bone density.



WIDE DRILLING PROCEDURE

SUITABLE FOR USE IN A PREMOLAR AND MOLAR EXTRACTION SITE

Wide implant system has been designed to perfectly adapt to the natural shape of a molar site. In fact, the body of these systems features a larger diameter and a parallel-taper shape that allows easier penetration with a suitable alveolar adaptation. The final result is an immediate and excellent placement of the implant in the extraction site, minimizing bone loss and reducing the treatment period.



SLIM DRILLING PROCEDURE

SUITABLE FOR USE IN HARD BONE (D1-D2)



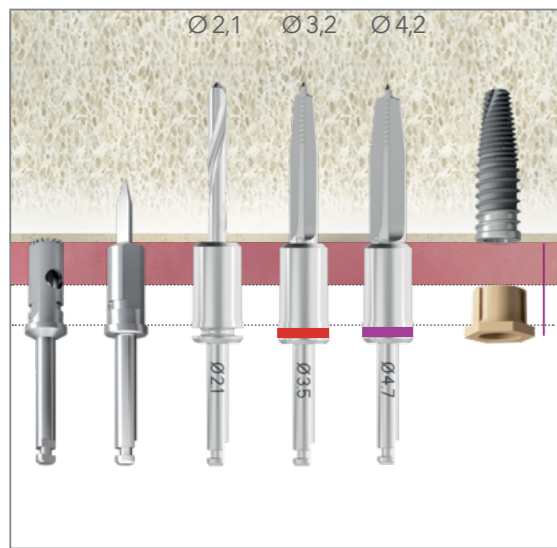
SUITABLE FOR USE IN SOFT BONE (D3-D4)



PTERYGO DRILLING PROCEDURE

SUITABLE FOR USE IN HARD BONE (D1-D2)

Pterygo hard bone implants are inserted through a drilling procedure that requires the use of instruments having a gradually increasing diameter, until the implant diameter is obtained. The drills must be directed from the tuber toward the pterygoid fossa.



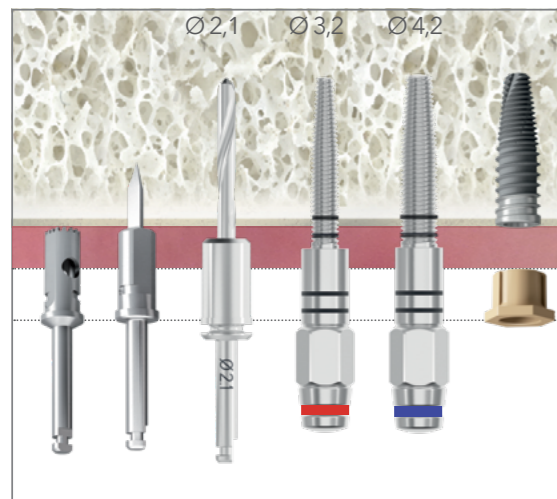
GUIDED



MANUAL

SUITABLE FOR USE IN SPONGY BONE (D3-D4)

When bone is soft, the procedure requires the use of compactors-expanders of the DURA-VIT system to be able to expand and condense the maxillary sinuses. Expansion compactors increase success rate, improving primary stability and maintaining bone density.



GUIDED



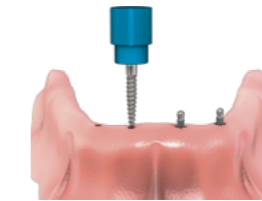
MANUAL

MINI IMPLANTS DRILLING PROCEDURE

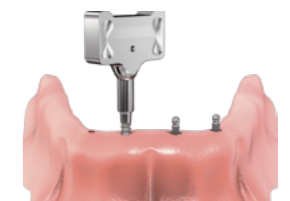
BALL HEAD



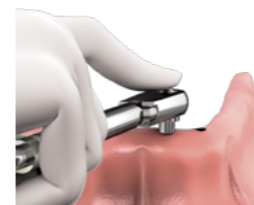
Mark every entry point on patient's tissue using pilot drill 1.5 by bringing it up and down until penetrating the cortical plate.



Bring the implant to the site with the plastic assembler and screw it until achieving bone resistance.



Use the wing key to insert the implant. Should this operation be difficult, use the torque ratchet.



The torque ratchet completes implant tightening.



Enlarge the prosthesis to house the metal matrices to be placed on the implants.



Adjust prosthesis height when into patient's mouth using cold resin and asking the patient to apply the pressure of a normal bite in centric occlusion.

SQUARE HEAD



Mark the entry point on patient's tissue using pilot drill 1.5 by bringing it up and down until penetrating the cortical plate.



Bring the implant to the site with the plastic assembler and screw it until achieving bone resistance.



Use the wing key to insert the implant. Should this operation be difficult, use the torque ratchet.



The torque ratchet completes implant tightening.

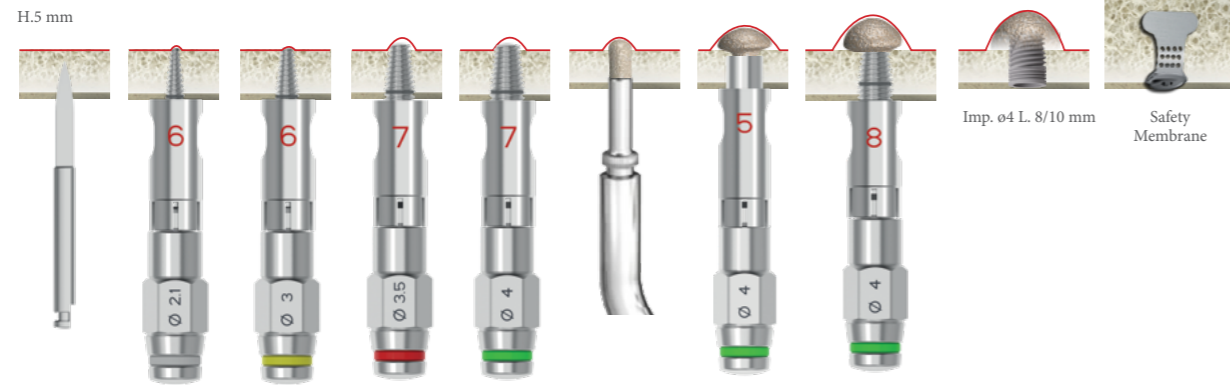


Prepare temporary and/or final tooth and cement it onto mini implant head.



Rehabilitated case

TRANSCRESTAL SINUS LIFT PROCEDURE



SURGICAL KIT COMPONENTS

PUSH SCREW

- It prepares the bone cavity for implant placement.



PUSH PIN

- It pushes the regeneration material inside the bone cavity.



SMARTPEG OSSTELL

B&B DENTAL IS AVAILABLE IN THE OSSTELL CATALOGUE FOR MEASURING IMPLANT STABILITY.

B&B Dental features suitable SmartPegs to be used together with Osstell IDx and Osstell ISQ measurement equipment. These are devices that measure the resonance frequency of the disposable SmartPeg that is inserted into the implant.



Ref.	implant mod.	SmartPeg type
100404	Slim	22
100425	3P -EV -WIDE	26

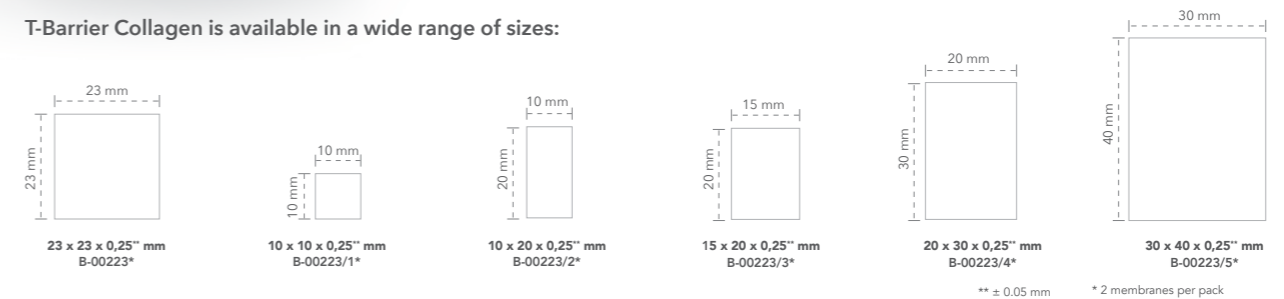
COLLAGEN T-BARRIER MEMBRANES



Collagen T-Barrier Membrane is a resorbable membrane made from equine-derived collagen used to protect implant sites. It can be easily placed on the site after bone grafting and does not require fixation. The membrane provides a perfect basis for hard and soft tissue healing and creates a favourable environment for bone regeneration as it allows osteogenic cell growth in the site and avoids unwanted cell migration. It can also be used as a local hemostat.

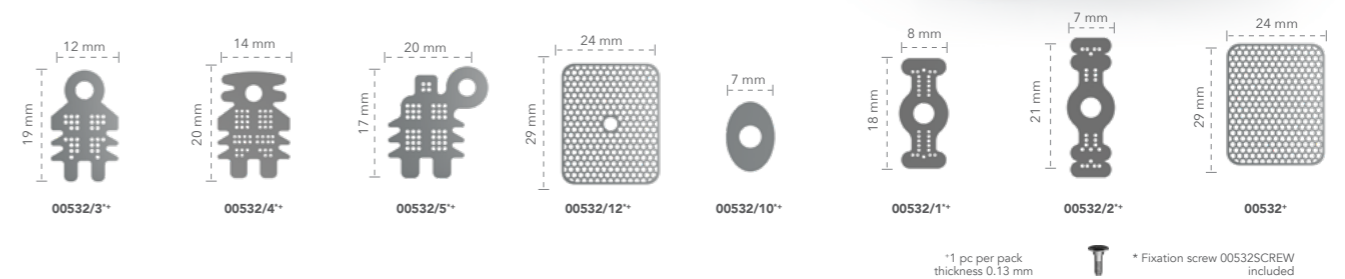
T-Barrier Collagen also has the ability to act as a balanced barrier with controlled resorption, so as to avoid any inflammatory reaction in soft tissue.

T-Barrier Collagen is available in a wide range of sizes:



TITANIUM T-BARRIER MEMBRANES

Titanium T-Barrier membranes are titanium grids that are fixed to the implant with a fixation screw to prevent it from shifting within the sinus. They can also be fixed to the bone with osteosynthesis screws to keep the regeneration materials in place in the site. These grids are easy to mould into a shape that will fit the crestal bone.



For the whole line consult the regeneration catalogue



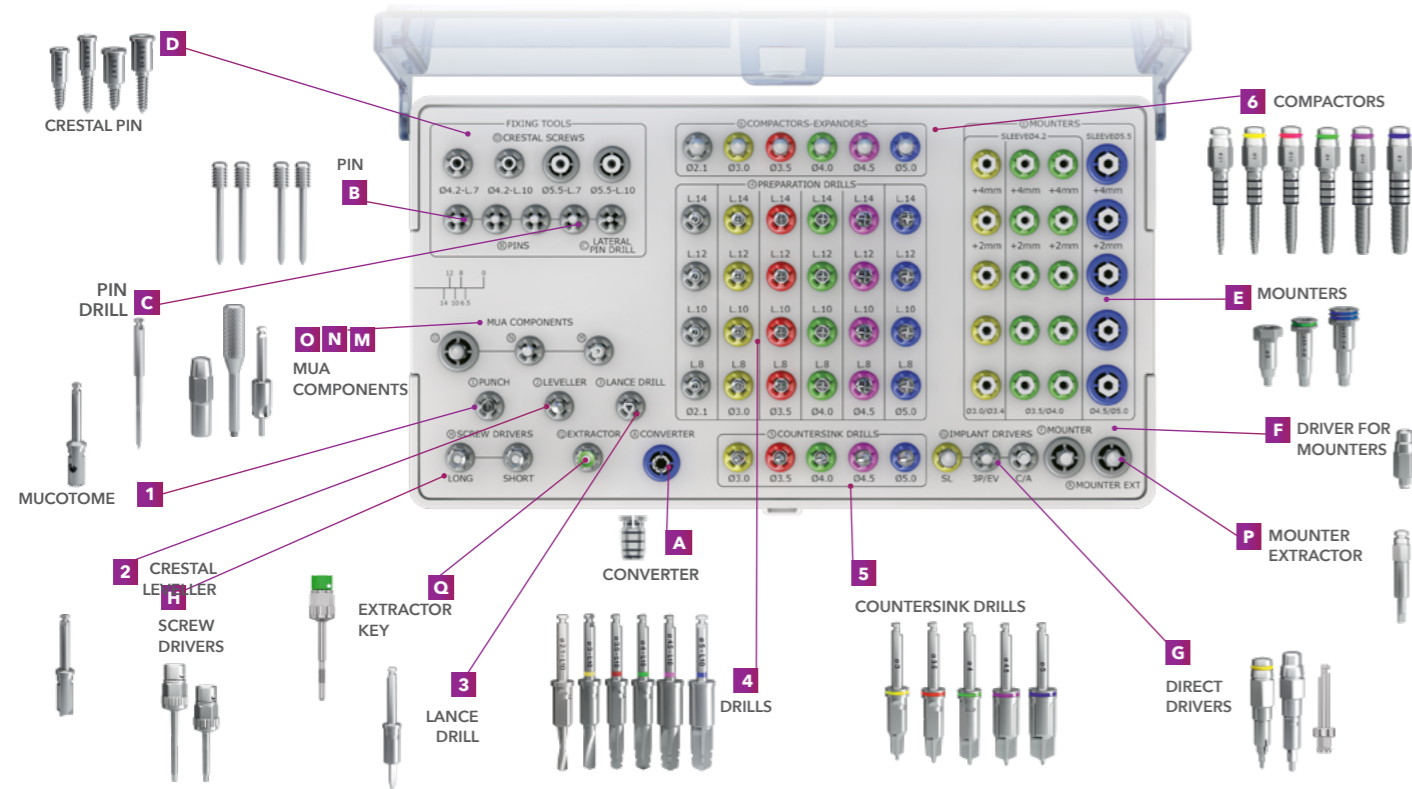
DIGITAL WORKFLOW

B&B Dental supports you in integrating new technologies into your workflow, giving you step by step procedures from software to prosthesis thanks to two services: one dedicated to guided surgery and one to the milling centre, MODENA Dental Laboratory.

You will find a specialised team at your disposal, available to answer all questions, clear your doubts, and teach you through internal and on-site courses, as well as a 360-degree service built to adapt to the degree of your knowledge and expectations.

GUIDED SURGICAL KIT

UPPER TRAY



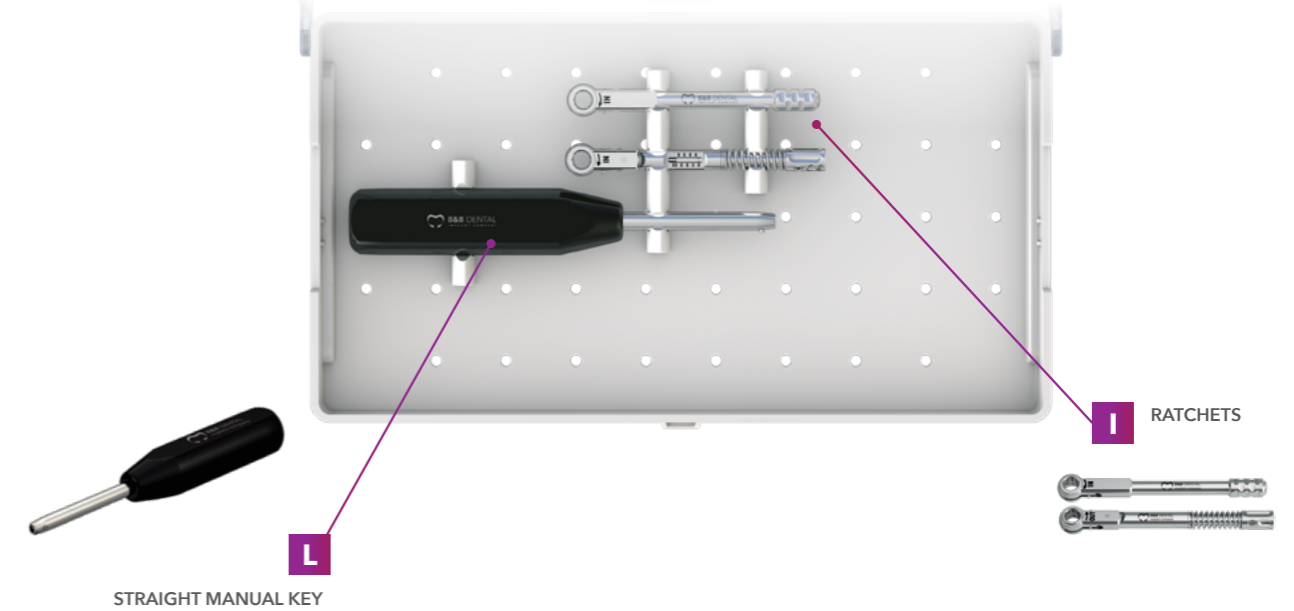
REV. 3D-00093SC

Upper tray

D Crestal pin Ø 4,2 H.7	Ref. GD-PIN/57
Crestal pin Ø 4,2 H.10	Ref. GD-PIN/510
Crestal pin Ø 5,5 H.7	Ref. GD-PIN/67
Crestal pin Ø 5,5 H.10	Ref. GD-PIN/610
Pin	Ref. GD-PING
C Pin drill	Ref. GD-FOG
Positioner for straight MUA	Ref. INN-00637
Positioner for angled MUA	Ref. 023-MUA
Reamer	Ref. GD-BM
Mucotome	Ref. GD-263
Crestal leveller	Ref. GD-264
H Screw driver (short)	Ref. INN-61000
Screw driver (long)	Ref. INN-61000L
Extractor key	Ref. INN-6161L
Lance drill	Ref. GD-LANCIA
Converter	Ref. GD-708
4 Drill Ø 2,1 L.8	Ref. GD-21-08

Drill Ø 2,1 L.10	Ref. GD-21-10
Drill Ø 2,1 L.12	Ref. GD-21-12
Drill Ø 2,1 L.14	Ref. GD-21-14
Drill Ø 3 L.8	Ref. GD-30-08
Drill Ø 3 L.10	Ref. GD-30-10
Drill Ø 3 L.12	Ref. GD-30-12
Drill Ø 3 L.14	Ref. GD-30-14
Drill Ø 3,5 L.8	Ref. GD-35-08
Drill Ø 3,5 L.10	Ref. GD-35-10
Drill Ø 3,5 L.12	Ref. GD-35-12
Drill Ø 3,5 L.14	Ref. GD-35-14
Drill Ø 4 L.8	Ref. GD-40-08
Drill Ø 4 L.10	Ref. GD-40-10
Drill Ø 4 L.12	Ref. GD-40-12
Drill Ø 4 L.14	Ref. GD-40-14
Drill Ø 4,5 L.8	Ref. GD-45-08
Drill Ø 4,5 L.10	Ref. GD-45-10
Drill Ø 4,5 L.12	Ref. GD-45-12
Drill Ø 4,5 L.14	Ref. GD-45-14

LOWER TRAY



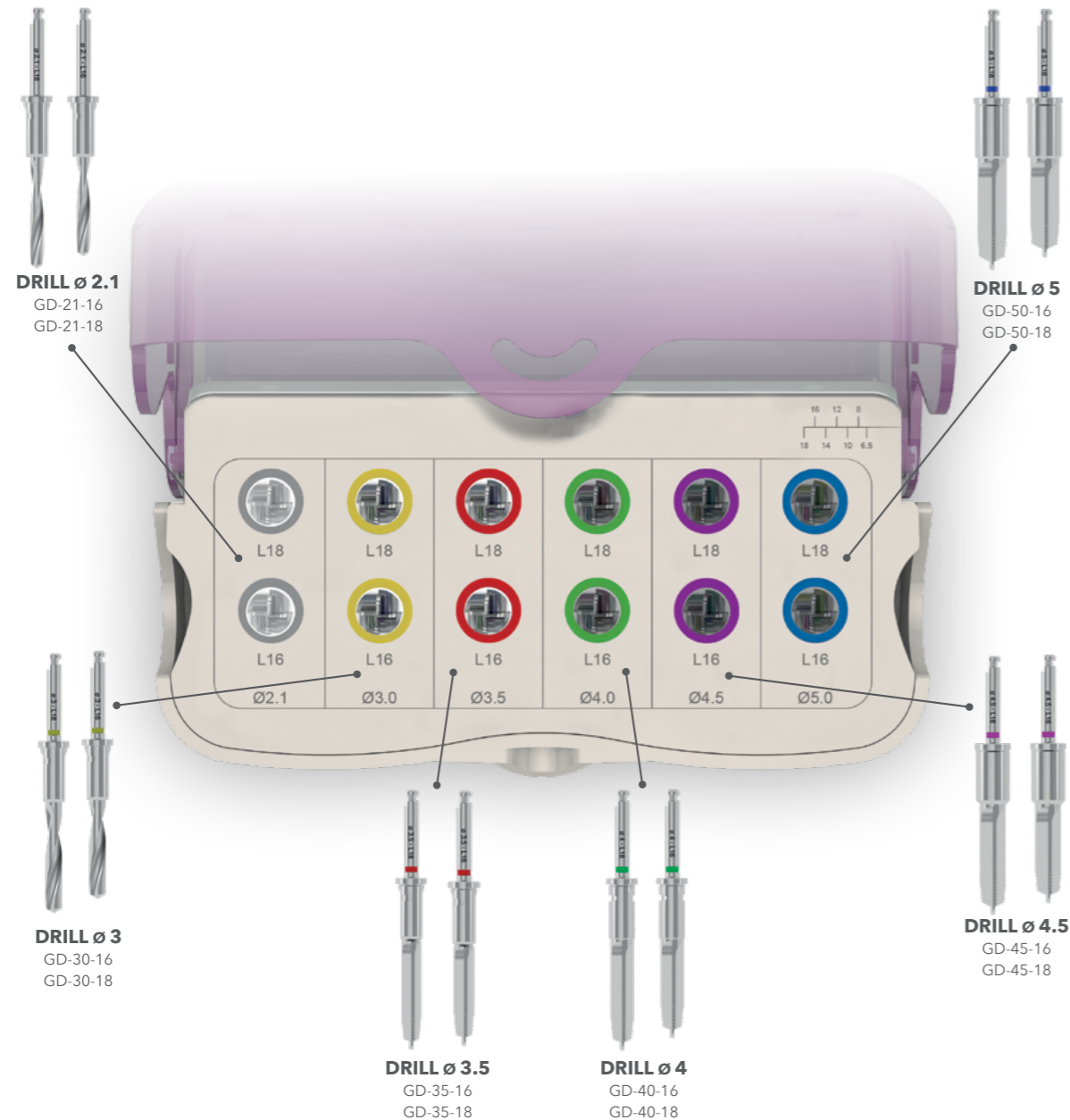
5 Drill Ø 5 L.8	Ref. GD-50-08
Drill Ø 5 L.10	Ref. GD-50-10
Drill Ø 5 L.12	Ref. GD-50-12
Drill Ø 5 L.14	Ref. GD-50-14
Countersink drill Ø 3	Ref. GD-SV-30
Countersink drill Ø 3,5	Ref. GD-SV-35
Countersink drill Ø 4	Ref. GD-SV-40
Countersink drill Ø 4,5	Ref. GD-SV-45
Countersink drill Ø 5	Ref. GD-SV-50
G Guided mouter (SLIM implant)	Ref. GD-00578
Guided implant driver	Ref. GD-701
Guided direct driver	Ref. GD-00778
Mouter extractor	Ref. GD-776
Driver for mouters	Ref. GD-769
E Mouter Ø 3-Ø 3,4 H.0	Ref. GD-768/3
Mouter Ø 3-Ø 3,4 H.+2	Ref. GD-768/32
Mouter Ø 3-Ø 3,4 H.+4	Ref. GD-768/34
Mouter Ø 3,5-Ø 4 H.0	Ref. GD-768/1

Mouter Ø 3,5-Ø 4 H.+2	Ref. GD-768/12
Mouter Ø 3,5-Ø 4 H.+4	Ref. GD-768/14
Mouter Ø 4,5-Ø 5 H.0	Ref. GD-768/2
Mouter Ø 4,5-Ø 5 H.+2	Ref. GD-768/22
Mouter Ø 4,5-Ø 5 H.+4	Ref. GD-768/24
6 Compactor Ø 2,1	Ref. GD-761/2
Compactor Ø 3	Ref. GD-761/2A
Compactor Ø 3,5	Ref. GD-761/3A
Compactor Ø 4	Ref. GD-761/4A
Compactor Ø 4,5	Ref. GD-761/5A
Compactor Ø 5	Ref. GD-761/6A

Lower tray

Straight manual key	Ref. 3P-00090CM
Torque ratchet	Ref. 00376DIN
Ratchet	Ref. 00376

GUIDED KIT OFFSET +2 +4



REF. 3D-00093PLUS

Drill Ø 2,1 L. 16mm	Ref. GD-21-16	Drill Ø 4 L. 16mm	Ref. GD-40-16
Drill Ø 2,1 L. 18mm	Ref. GD-21-18	Drill Ø 4 L. 18mm	Ref. GD-40-18
Drill Ø 3 L. 16mm	Ref. GD-30-16	Drill Ø 4,5 L. 16mm	Ref. GD-45-16
Drill Ø 3 L. 18mm	Ref. GD-30-18	Drill Ø 4,5 L. 18mm	Ref. GD-45-18
Drill Ø 3,5 L. 16mm	Ref. GD-35-16	Drill Ø 5 L. 16mm	Ref. GD-50-16
Drill Ø 3,5 L. 18mm	Ref. GD-35-18	Drill Ø 5 L. 18mm	Ref. GD-50-18

GUIDED SLEEVES

The guided sleeves can have two dimensions and are presented as cylinders included in the surgical templates. They have the main function of guiding the surgical instruments during the preparation of the implant site by guiding the position and inclination of the drills. The sleeves are generally incorporated into the surgical templates and, if necessary, can be supplied separately.

LATERAL OPENING

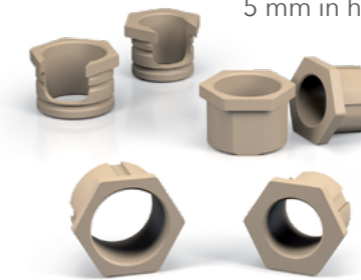
It provides an easy access to the operative site

TWO DIAMETERS

A guaranteed guide for any implant diameter

ONE HEIGHT

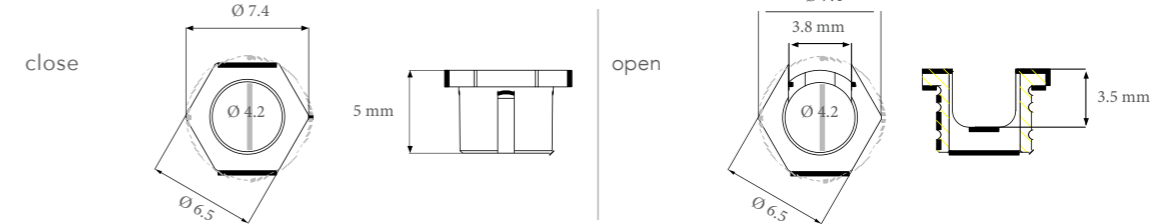
5 mm in height to ensure a stable and safe guide



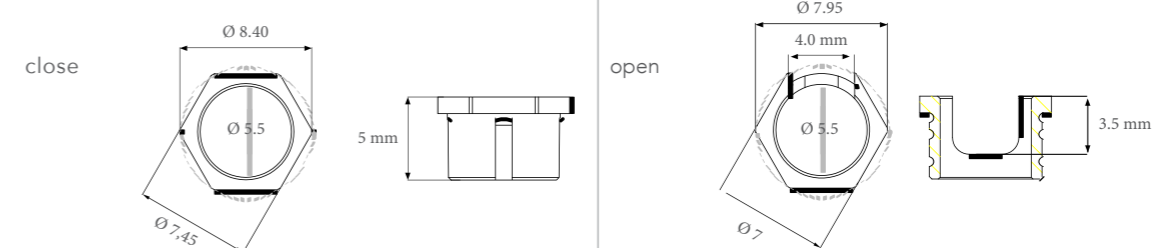
HEXAGON

It provides an exact indication of the position of the hexagon implant

SLEEVE Ø 4.2 MM



SLEEVE Ø 5.5 MM



MATCHING WITH RADIOPAQUE MARKERS

In the eventuality of a patient with a total edentulism, in order to allow for the matching of the files derived from the cone beam and of the extraoral and / or intraoral impressions, it is important to place the radiopaque markers forming triangles as shown in the image. In order to guarantee a high degree of precision, the reduced dimensions of the **CT markers** allow for easy image acquisition in the cone beam, thereby avoiding problems of falsification or incomplete acquisition (especially with large markers) in the case of a cone beam with an insufficient field of view (FOV).



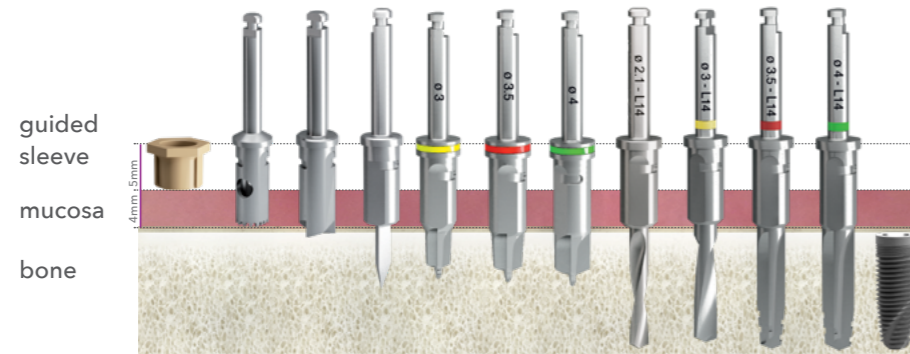
SURGICAL PROTOCOLS



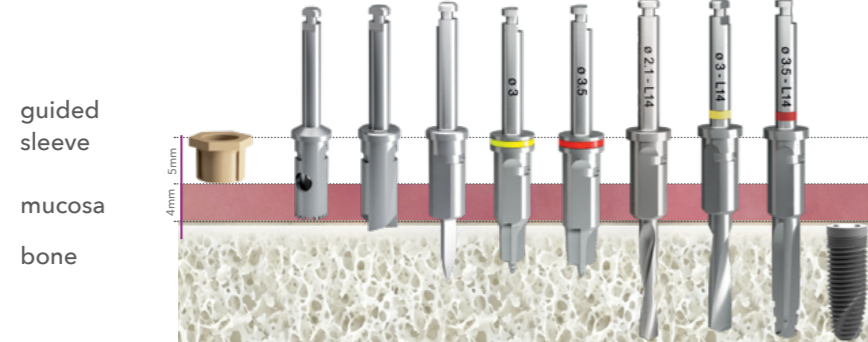
4.2 MM Ø SLEEVE

The drills are to be used successively in order to prepare the implant site to a size suitable for the implant to be placed in position. It is important to assess the hardness of the bone as hard bone may need the use of countersink drill to decrease the resistance given by the cortical bone. In cases where the bone is spongy, the use of compactors may be necessary to obtain primary stability.

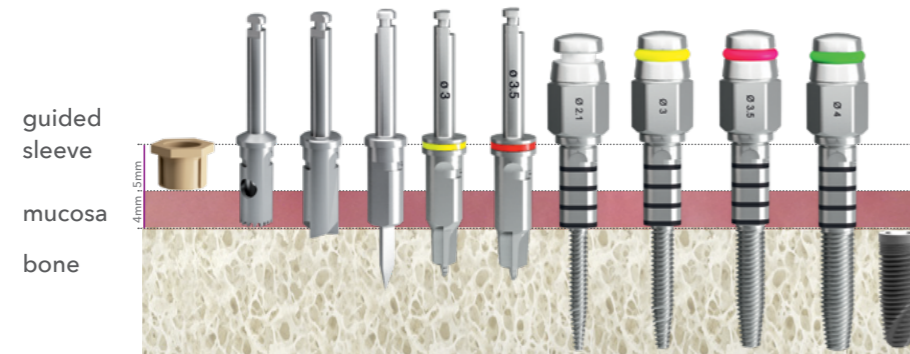
HARD BONE PROTOCOL



SPONGY BONE PROTOCOL



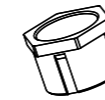
SPONGY BONE PROTOCOL WITH COMPACTORS



RECOMMENDED SPEED: spongy bone 350 - 600 rpm
hard bone 800 - 1000 rpm

NOTE

Always bring the drills to the full-travel stop making sure to use the cooling systems to avoid excessive overheating. The drills prepare an osteotomy increased by 0.5 mm compared to the length of the implant.



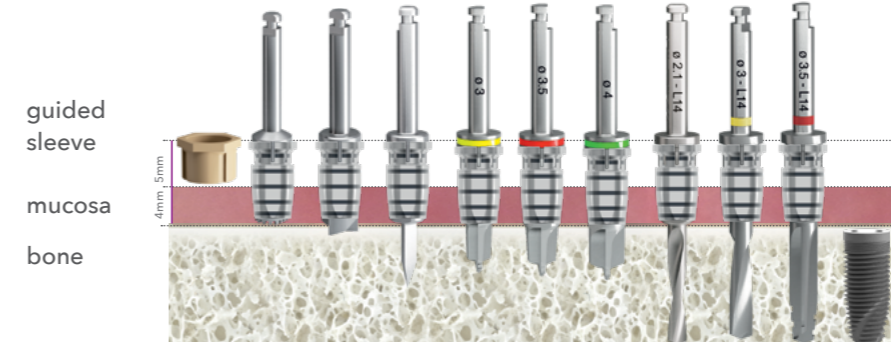
5.5 MM Ø SLEEVE

The first drills for the preparation of the osteotomy with 5.5 mm sleeves diameter must be coupled to the converter, allowing for a guided insertion into the sleeve. Larger diameter drills are already prepared with a neck diameter suitable for the wide sleeve.

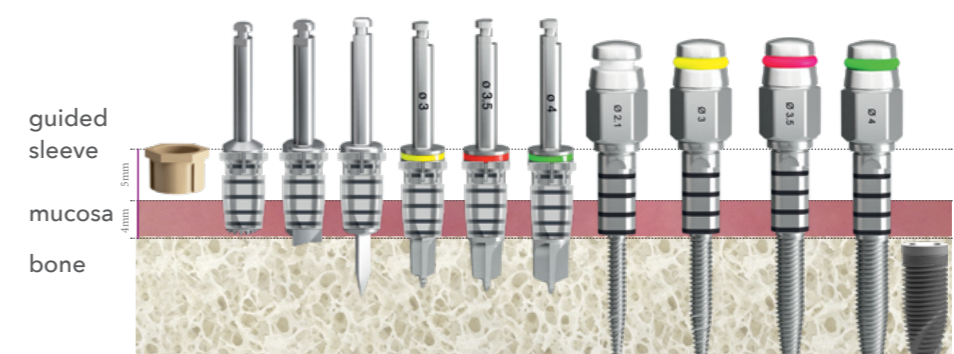
HARD BONE PROTOCOL



SPONGY BONE PROTOCOL



SPONGY BONE PROTOCOL WITH COMPACTORS



GUIDED SURGERY KITS MINI IMPLANTS LINE



REF. G-1807/1

Torque ratchet (50 NCM)	Ref. 8070.	Surgical drill (short) Ø 1.3mm	Ref. G-1013S
Manual butterfly key	Ref. MD-3002	Surgical drill (short) Ø 2.0mm	Ref. G-1020S
Adapter (short)	Ref. S7007.	Surgical drill (long) Ø 1.1mm	Ref. G-1011L
Adapter (long)	Ref. S7015.	Surgical drill (long) Ø 1.3mm	Ref. G-1013L
Surgical drill (short) Ø 1.1mm	Ref. G-1011S	Surgical drill (long) Ø 2.0mm	Ref. G-1020L

GUIDED SURGERY DRILLS KIT MINI IMPLANTS LINE



REF. G-1807XS.

Surgical drill (short) Ø 1.1mm
Surgical drill (short) Ø 1.3mm
Surgical drill (short) Ø 2.0mm
Surgical drill (long) Ø 1.1mm
Surgical drill (long) Ø 1.3mm
Surgical drill (long) Ø 2.0mm

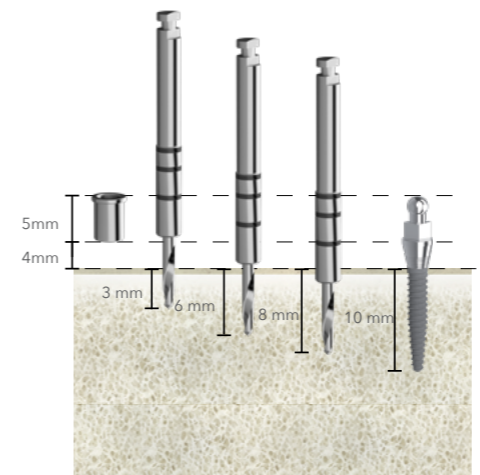
GUIDED SURGICAL PROTOCOL MINI IMPLANT

The MDI guided surgery system is made of 2 sets of 3 drills each. Long and short drills in the diameters of 1,1mm 1,3mm and 2mm. This allows the user to have guidance and follow the standard MDI protocol of under preparation of the site with a drill diameter that is less than the diameter of the implant as well as making an osteotomy that is 1/3 the total length of the implant. In the case of hard bone the user has the possibility of drilling deeper or wider through using the same sleeve guidance.

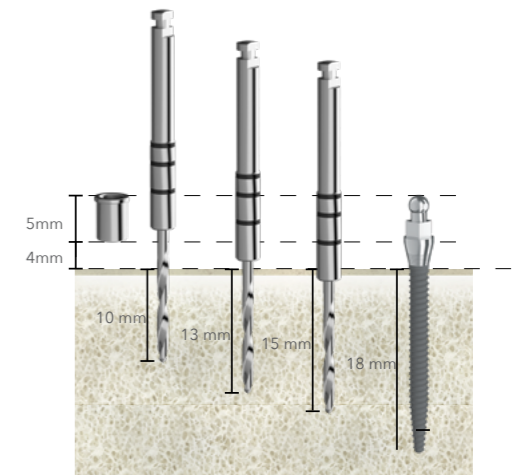
Please note: That by following the standard protocol the system provides for directional guidance but is not able to provide full depth and placement guidance for implant

SURGICAL PROTOCOL FOR GUIDED MINI IMPLANT DIAMETER Ø 1.8 mm - drills ø 1.1 mm

SHORT DRILLS

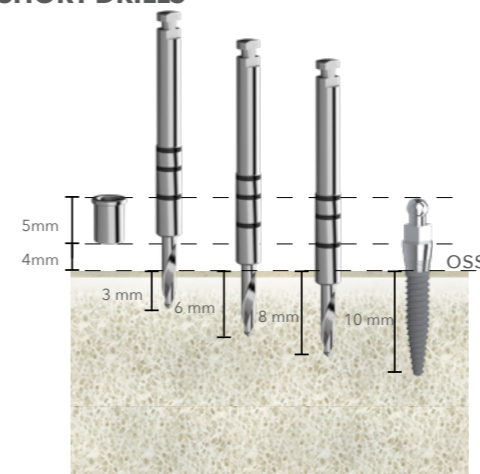


LONG DRILLS

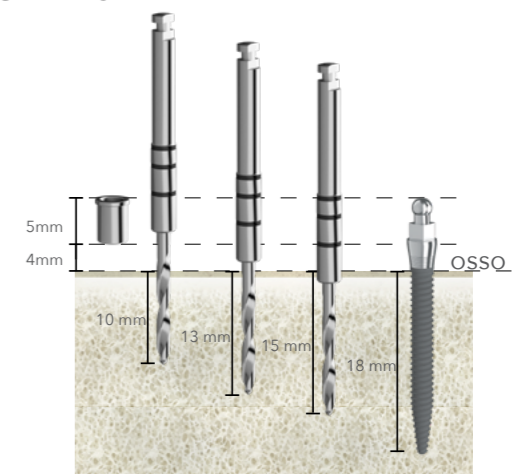


SURGICAL PROTOCOL FOR GUIDED MINI IMPLANT DIAMETER Ø 2.1 mm - drills ø 1.3 mm

SHORT DRILLS



LONG DRILLS

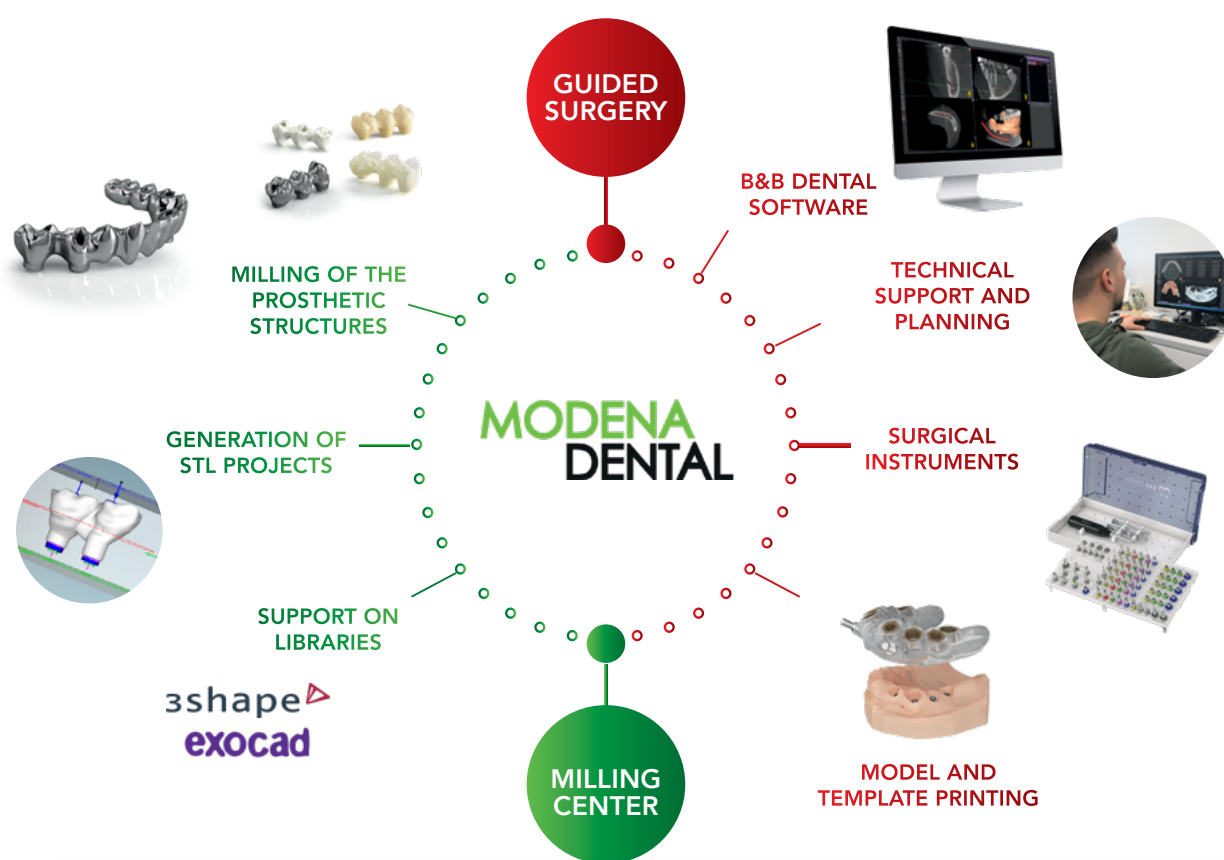




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Package B. Abutment supported restoration with Zirconia

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Package E. Direct Overdenture All on X PKG (Up to 6)

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- Final bridge