PRODUCTS CATALOGUE

100% MADE IN ITALY

FROM THE PROJECT TO THE PRODUCT, MADE IN B&B

B&B DENTAL
IMPLANT COMPANY


B&B

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B. & B. DENTAL

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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.

The innovative production process is fully certified and validated to guarantee reliability for customers and their patients.

SUPPORT & DEVELOPMENT

RESEARCH & DEVELOPMENT

The multi-year experience in the industry ensures assessment and innovation of design and functionality of our products and materials. It allows us to offer practitioners a wider range of products that are designed in-depth and tested in house.
B&B Dental also works with universities, doctors and certified laboratories to assess performance and safety of the medical devices under development.

PRODUCTION

Staff of this department includes engineers, mechanical experts and qualified technicians. To manufacture its semi-finished products, B&B Dental uses CNC lathes, a latest generation multi-spindle and high-precision machinery, featuring tool dynamic correction and allowing compliance with tolerance ranges of ± 0.01 mm. Once these components are found to be compliant, they are washed and then stored so that they are available for subsequent treatments and packaging. Sterile medical devices are packed in a controlled clean room environment to ensure cleanliness and hygiene. All production processes are duly verified and, if necessary, validated.

QUALITY AND CONTROL

Quality controls are detailed in company procedures and recorded in special forms, in accordance with the Quality Management System pursuant to standard EN ISO 13485.
Therefore, throughout the production process, and before they are placed on the market, B&B Dental's medical devices must pass strict quality controls carried out either by sophisticated Zeiss testing machines or by a dedicated, duly trained and experienced team in the field. If deviations from the acceptability parameters are recorded, immediate action is taken to solve the detected nonconformity.

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 surgeons, specialised in dentistry, by offering a wide range of courses, held both at its own premises and at other locations in Italy and abroad. The offer has been improved and expanded over time, thanks to the experience gained, and includes educational courses, webinars, workshops, live surgeries and patient courses specifically organised to transfer product knowledge and awareness to users so as to ensure their safety and performance.

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's Quality Management System is certified according to standard EN ISO 13485 and medical devices are EC-marked with an appropriate certificate, if required, issued by competent Notified Bodies. B&B Dental has always been interested in obtaining new certificates that could prove its top-class quality standards. B&B Dental currently has more than 30 international certificates and every year undergoes scheduled audits to maintain them.

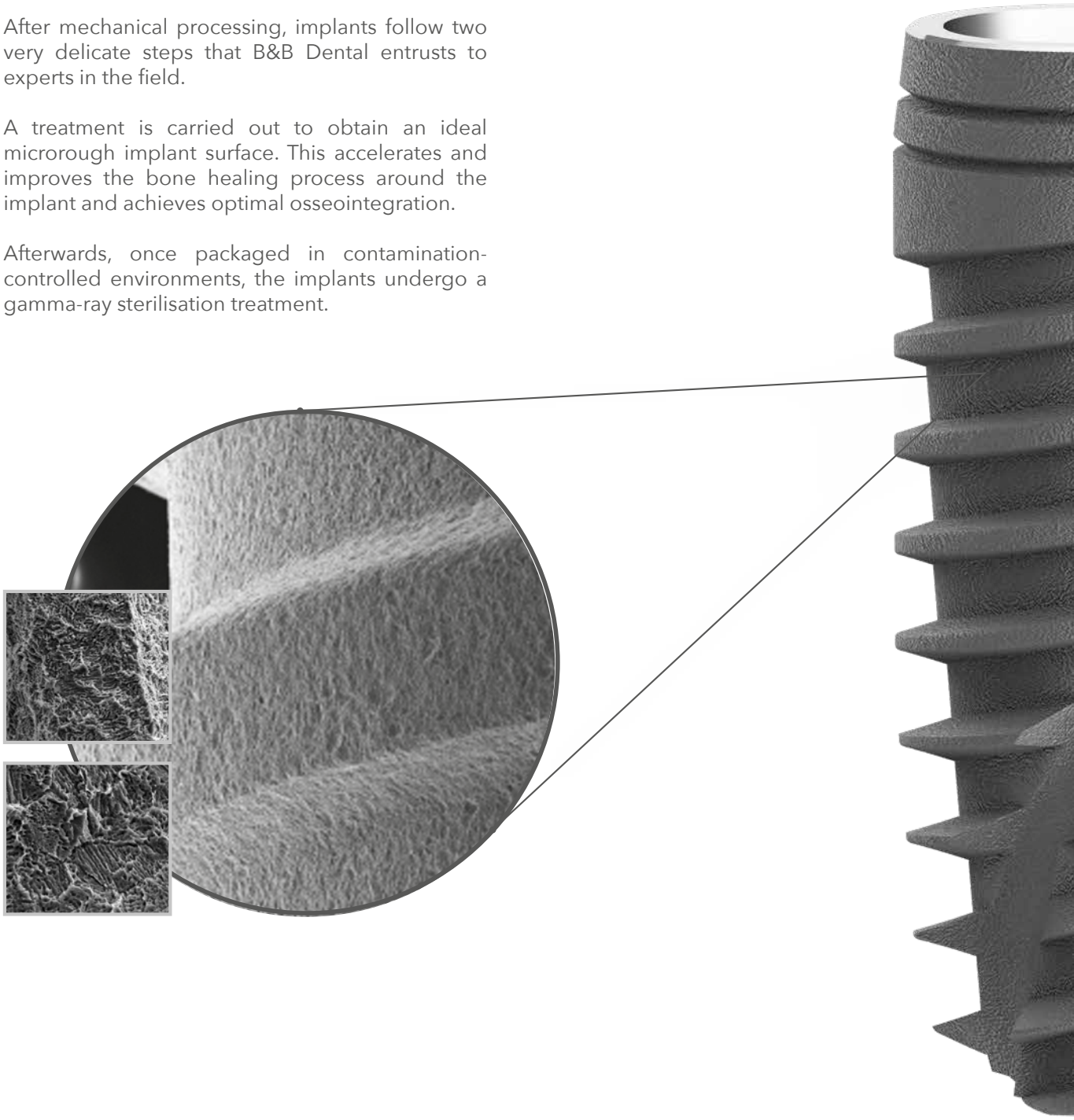
IMPLANT TREATMENT

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

After mechanical processing, implants follow two very delicate steps that B&B Dental entrusts to experts in the field.

A treatment is carried out to obtain an ideal microrough implant surface. This accelerates and improves the bone healing process around the implant and achieves optimal osseointegration.

Afterwards, once packaged in contamination-controlled environments, the implants undergo a gamma-ray sterilisation treatment.



B. & B. DENTAL IMPLANT LINES

Discover all the implant lines in the DURA-VIT range and their great potential: a complete and simple system to meet any need and perform successful surgeries.

3P LINE

ø 3.5 - ø 4.0 - ø 4.5 - ø 5.0 mm
The line with gentle thread suitable for compact bone (D1-D2) and for sites adjacent to maxillary sinus

EV LINE

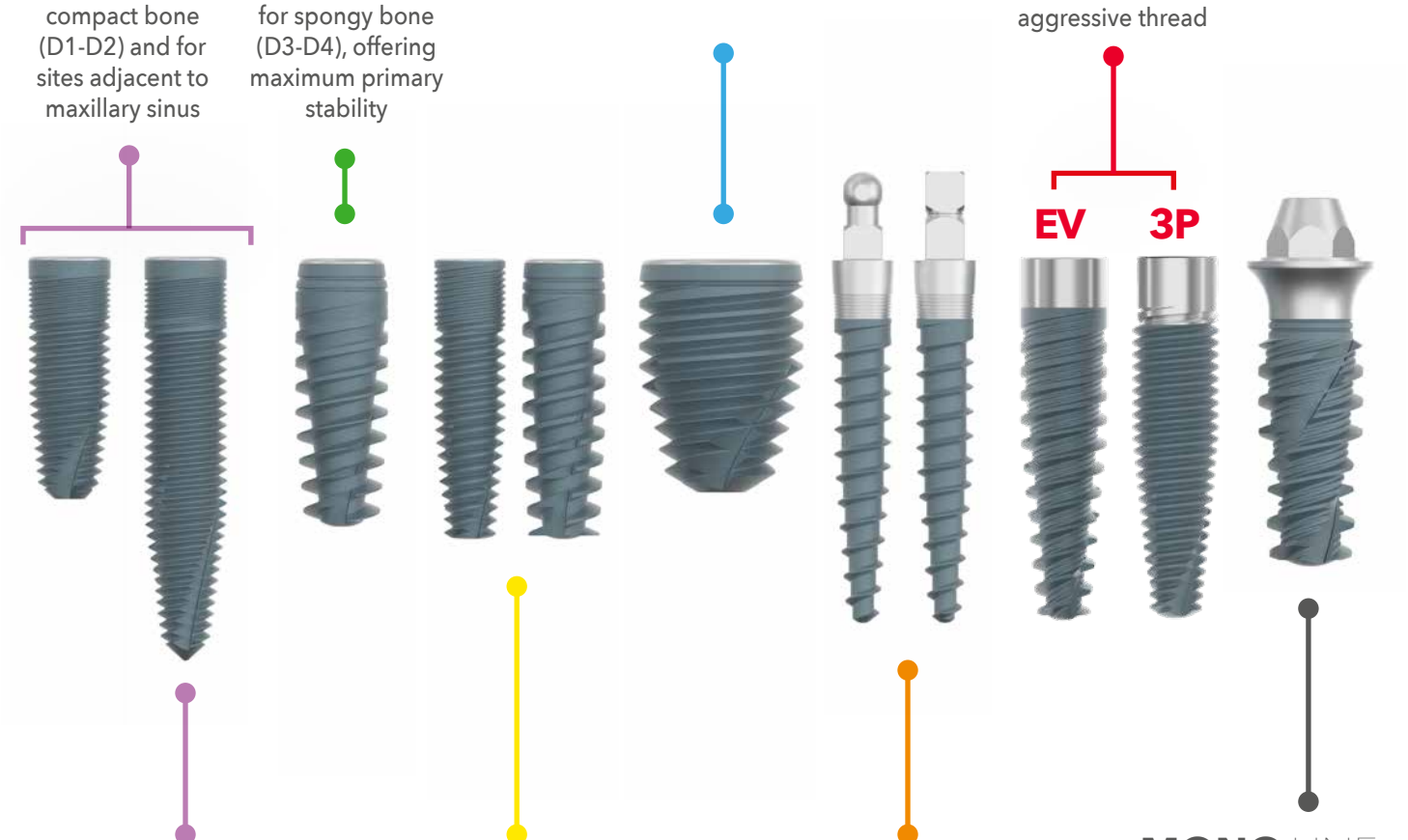
ø 4.0 - ø 4.5 - ø 5.0 mm
The line with aggressive thread for spongy bone (D3-D4), offering maximum primary stability

WIDE LINE

ø 5.5 - 6.0 mm
A larger diameter line for post-extraction sites

PTERYGO LINE

ø 4.2 - ø 4.7 mm
The solution for maxillary atrophy, available in 2 variants: with soft or aggressive thread



3P LONG LINE

ø 3.5 - ø 4 mm
The line with increased length ideal for the canine and pterygoid area

SLIM LINE

ø 3.0 - ø 3.4 mm
The reduced diameter line for sites with lower bone availability

MINI LINE

ø 2.0 - ø 2.4 mm
Monophasic implants with reduced diameter to stabilise prostheses and single teeth

MONO LINE

ø 3 - ø 3.5 - ø 4
ø 4.5 - ø5 mm
The one-piece MUA line ideal for all-on-4, all-on-6 and post-extraction

PACKAGING

The implant is inserted into a tube fitted with special supports to hold it in place and is ready to be picked up using the implant insertion ratchet or contra-angle key.
The packaging is validated to maintain the sterility of the device and protect it from external contamination. Therefore, it is functional, safe and has an anti-breakage seal.

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.

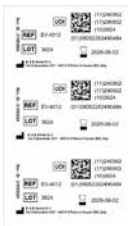
EV
4.0 x 12

RED LABEL
Line name, diameter, length

IMPLANT CARD
A card to be given to implant patients that contains information for the traceability of the implant itself and the correct management of the post-operative process.

INSTRUCTIONS FOR USE
It provides the necessary information for the correct use of the device, as well as contraindications, warnings and precautions to be considered with regard to the medical device.

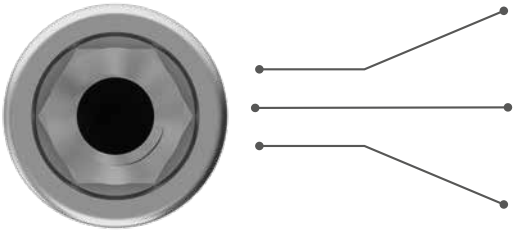
STERILE PACKAGING
Packaging is sterilised by gamma rays.



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

TIGHTENING INSTRUCTIONS

3P, EV, WIDE, PTERYGO LINES - CONEXA DURA-VIT CONNECTION

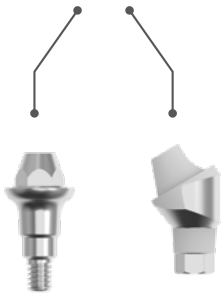


TRANSFERS
Finger force

PASSING SCREW ABUTMENTS
titanium, peek, Ti-links, Ti-bases, standard and conical abutments from premilled
25 Ncm

PILLARS
MUA, spherical, flat, equator
25 Ncm

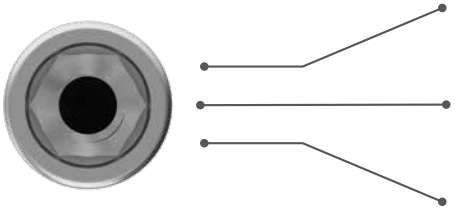
ABUTMENTS FOR MUA
titanium, castable,Ti-link
15 Ncm



MUA SCREW
INN-6051
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

REGENERATION MATERIALS - OSTEOSYNTHESIS SCREW

MEMBRANE FIXATION
15 Ncm

KEYS & DRIVERS TIGHTENING

PROSTHETIC SCREWDRIVERS

MAXIMUM 25 Ncm

CONTRA-ANGLE DRIVERS FOR IMPLANTS -

3P, EV, WIDE, PTERYGO LINES CONEXA DURA-VIT CONNECTION

MAXIMUM 35 Ncm

RATCHET DRIVERS FOR IMPLANTS -

3P, EV, WIDE, PTERYGO LINES CONEXA DURA-VIT CONNECTION

MAXIMUM 70 Ncm

CONTRA-ANGLE DRIVERS FOR IMPLANTS -

SLIM LINE SLIM DURA-VIT CONNECTION

MAXIMUM 35 Ncm

RATCHET DRIVERS FOR IMPLANTS -

SLIM LINE SLIM DURA-VIT CONNECTION

MAXIMUM 45 Ncm

RATCHET AND MANUAL DRIVERS FOR IMPLANTS -

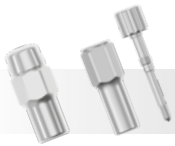
MINI LINE MINI LINE CONNECTION

MAXIMUM 50 Ncm

CONTRA-ANGLE DRIVERS FOR IMPLANTS -

MONO LINE

MAXIMUM 35 Ncm



RATCHET AND MANUAL DRIVERS FOR IMPLANTS -

MONO LINE

MAXIMUM 70 Ncm

CONEXA IMPLANTS

Implant of 3P, EV, Wide and Pterygo lines 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 micromovements through cold welding ensures the stability of hard and soft tissues, prosthetic components and their surrounding tissues while respecting the biological width. 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.

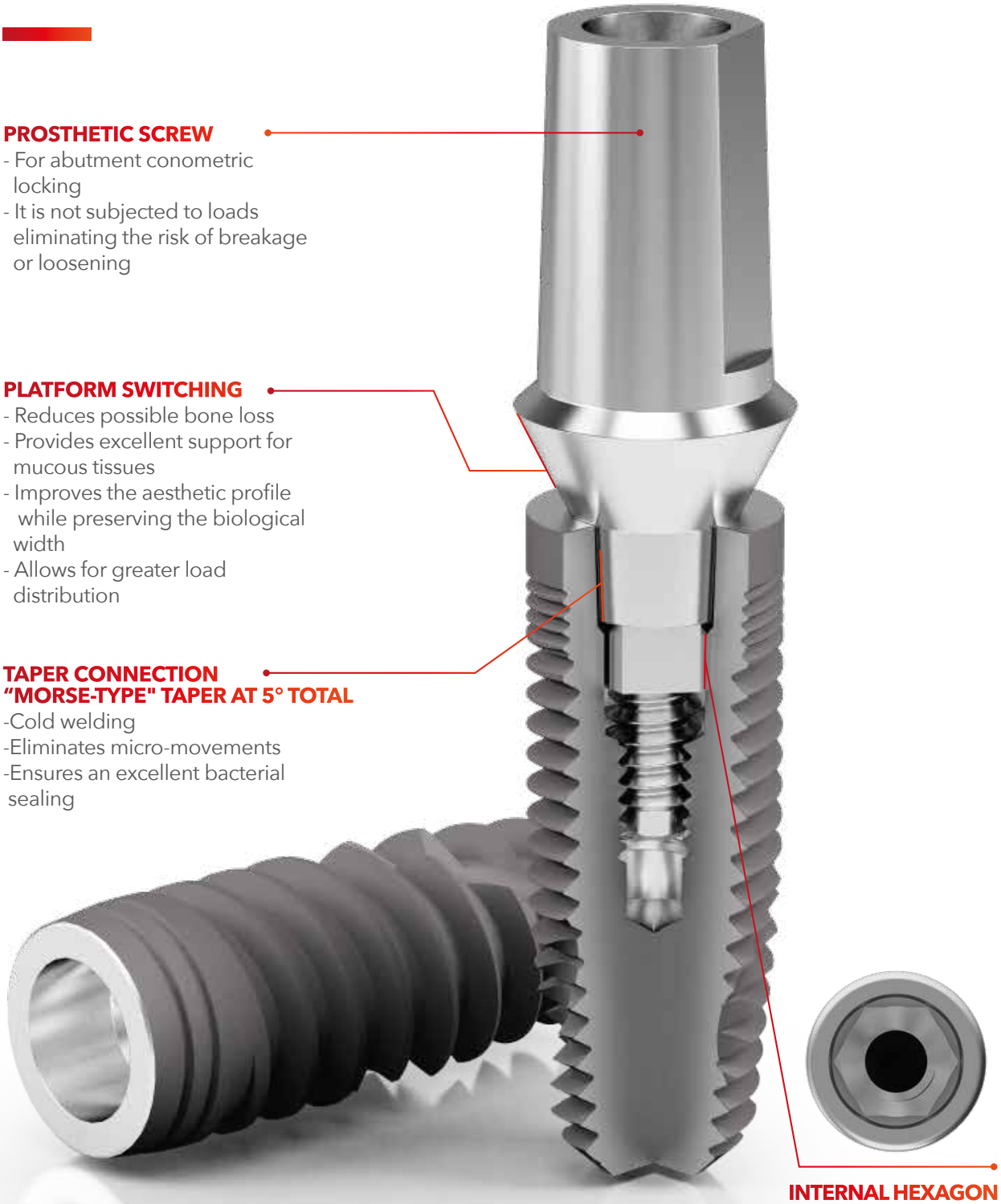
CONEXA IMPLANTS

CONEXA CONNECTION

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

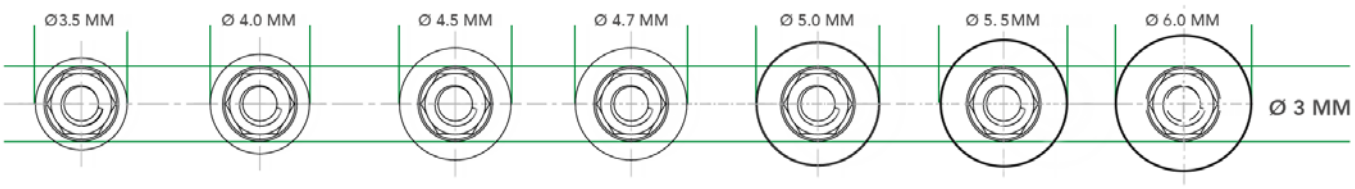
PLATFORM SWITCHING
- Reduces possible bone loss
- Provides excellent support for mucous tissues
- Improves the aesthetic profile while preserving the biological width
- Allows for greater load distribution

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

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 and 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.

LOW EXTRACTOR KEY
INN-6161S

SHORT EXTRACTOR KEY
INN-6161

LONG EXTRACTOR KEY
INN-6161L

EXTRACTOR SCREW
INN-6060

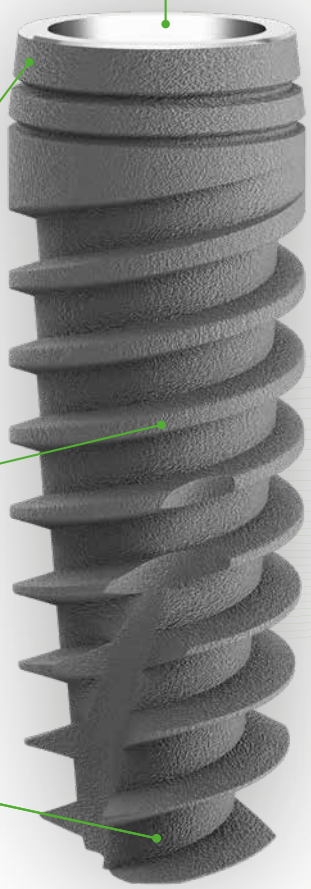
DURA-VIT CONEXA IMPLANTS

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

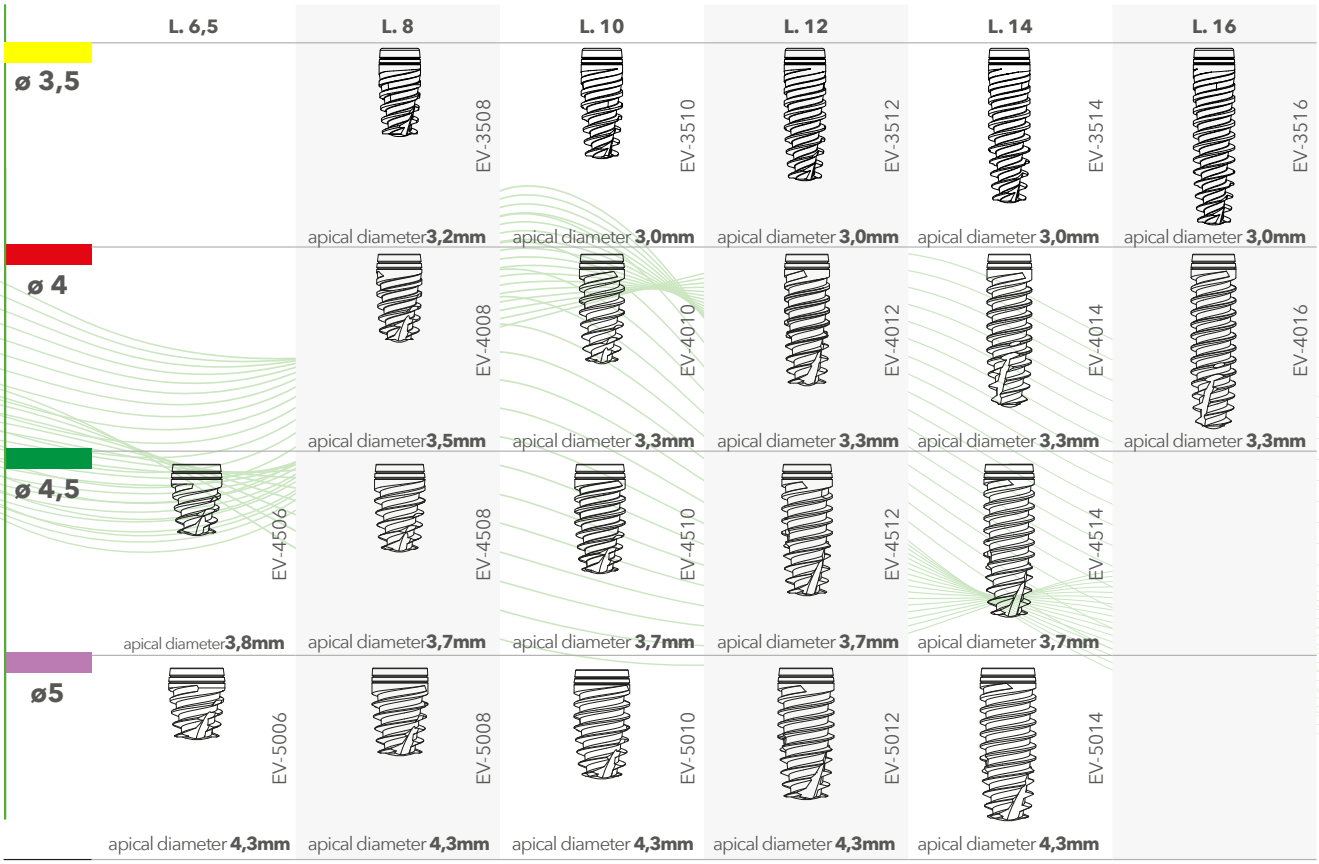


EVOLINE

PROPERTIES

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

EV • LINE



COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

Colour code EV LINE	Ø 3,5	Ø 4.0	Ø 4.5	Ø 5.0
Final drill diameter for D3 - D4 bone	Ø 3,0	Ø 3.5	Ø 4.0	Ø 4.5
Final drill diameter for D1 - D2 bone	Ø 3,5	Ø 4.0	Ø 4.5	Ø 5.0

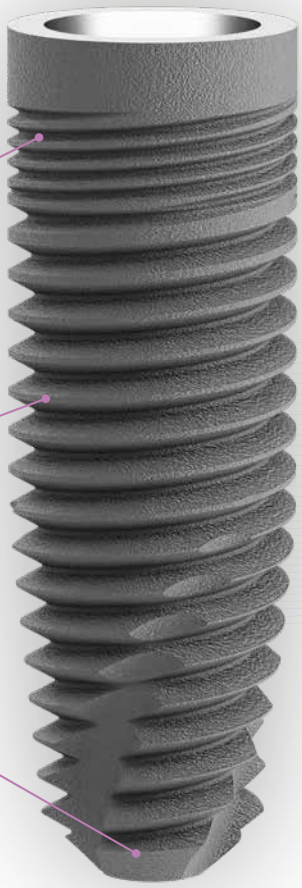
DURA-VIT CONEXA IMPLANTS

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

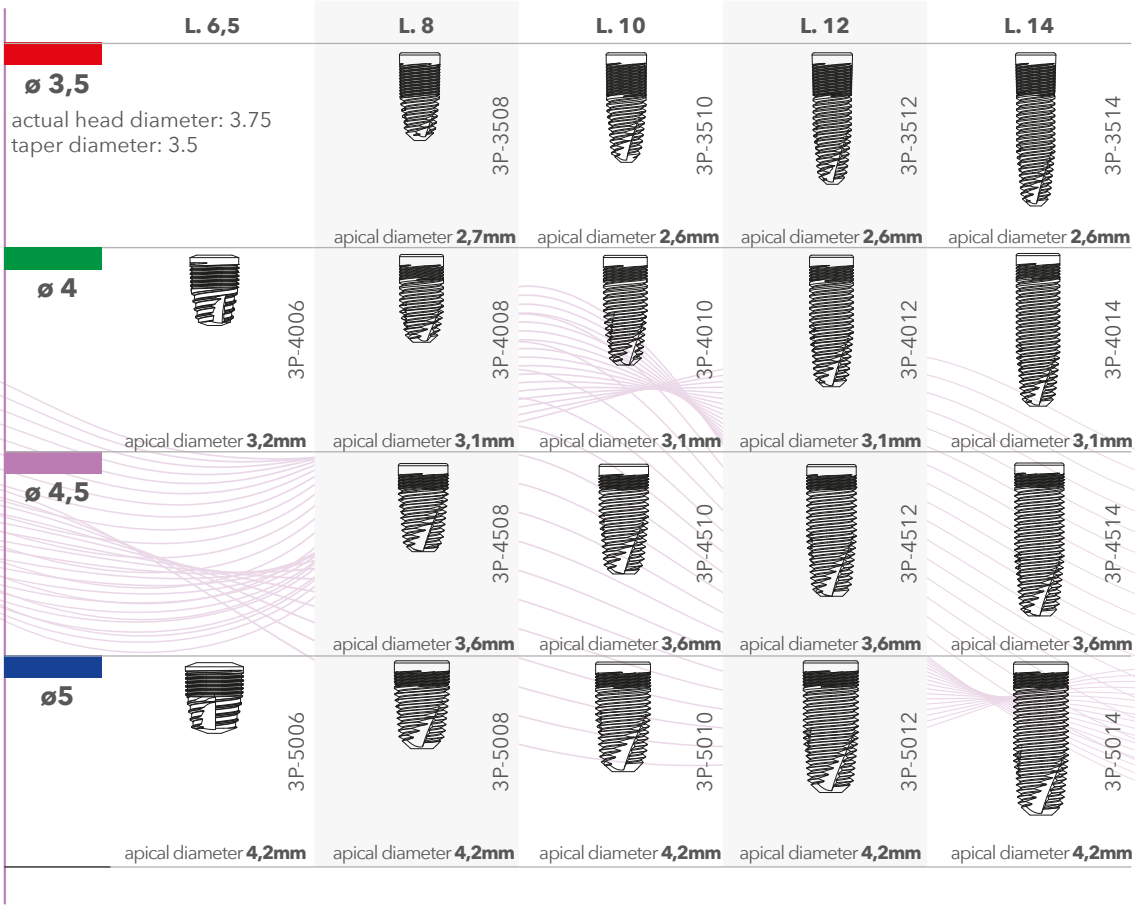
"BONE-FRIENDLY" TIP
- The rounded shape helps lifting the maxillary sinus membrane
- Reduces the risk of perforation



PROPERTIES

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

3P • LINE



COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

Colour code 3P LINE	Ø 3.5	Ø 4.0	Ø 4.5	Ø 5.0
Final drill diameter for D1 - D2 bone	Ø 3.5	Ø 4.0	Ø 4.5	Ø 5.0
Final countersink diameter for D1-D2 bone	Ø 3.5/4	Ø 3.5/4	Ø 4.5/5	Ø 4.5/5
Final compactor diameter for D3 - D4 bone	Ø 3.5	Ø 4.0	Ø 4.5	Ø 5.0

DURA-VIT CONEXA IMPLANTS

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

THREE-PRINCIPLE THREAD
- 60° bevelled profile threading that makes the implant placement easier
- To facilitate the load distribution

ANGLED TIP
- More angled to be more aggressive during insertion
- Increased length compared to standard to reach higher anatomical areas

3P LONG

PROPERTIES

- Excellent in D1-D2, ideal in D3 and D4 using the compaction technique
- High primary stability
- Ideal in the canines and pterygoid area
- Grade 4 Titanium

3P LONG

	L. 18	L. 20	L. 22	L. 24
ø 3,5 actual head diameter: 3.75 taper diameter: 3.5	 3P-3518 apical diameter **2,0mm**	 3P-3520 apical diameter **2,0mm**	 3P-3522 apical diameter **2,0mm**	 3P-3524 apical diameter **2,0mm**
ø 4	 3P-4018 apical diameter **2,0mm**	 3P-4020 apical diameter **2,0mm**	 3P-4022 apical diameter **2,0mm**	 3P-4024 apical diameter **2,0mm**

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

Colour code 3P LONG LINE	 Ø 3.5	 Ø 4.0
Final drill diameter for D1 - D2 bone	Ø 3.5	Ø 4.0
Final countersink diameter for D1-D2 bone	Ø 3.5/4	Ø 3.5/4
Final compactor diameter for D3 - D4 bone	Ø 3.5	Ø 4.0

DURA-VIT 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

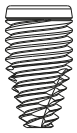
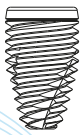
TRIPLE-THREAD SPIRAL
- 60° bevelled profile threading
- Increases mating surface with bone to ensure less invasive procedures
- Improves osseointegration

"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 the need for 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
	apical diameter **3,3mm**	apical diameter **3,0mm**	apical diameter **3,0mm**	apical diameter **3,0mm**	apical diameter **3,0mm**
ø 6	 WIDE-6006	 WIDE-6008	 WIDE-6010	 WIDE-6012	 WIDE-6014
	apical diameter **4,0mm**	apical diameter **3,6mm**	apical diameter **3,6mm**	apical diameter **3,6mm**	apical diameter **3,6mm**

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

Colour code WIDE LINE	 Ø 5.5	 Ø 6.0
Final drill diameter	Ø 5.5	Ø 6.0

DURA-VIT CONEXA IMPLANTS

PTERYGO EV

MORSE TAPER & INTERNAL HEXAGON
• Precise positioning of prosthetic components
• Increased contact area between implant surface and abutment
• High stability

COLLAR WITH MACHINED SURFACE
• To balance the angulations of the implant, guaranteeing the maximum cleanability

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

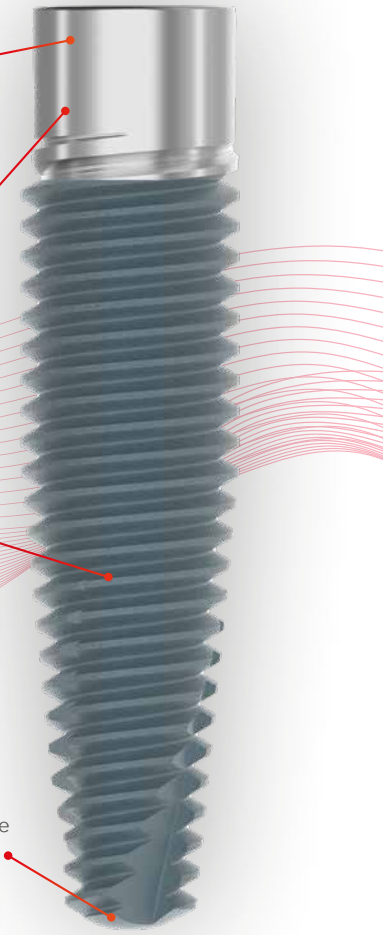
PTERYGO 3P

MORSE TAPER & INTERNAL HEXAGON
• Precise positioning of prosthetic components
• Increased contact area between implant surface and abutment
• High stability

COLLAR WITH MACHINED SURFACE
• To balance the angulations of the implant, guaranteeing the maximum cleanability

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

• Specific implant design for insertion in the pterygoid region
• Minimises the need of bone grafting or sinus lifting
• Maximises bone preservation
• Grade 4 Titanium.

PTERYGO • LINE

	L. 16	L. 18	L. 20
ø 4,2 PTERYGO EV	 PTE-4216	 PTE-4218	 PTE-4220
	apical diameter **2,6mm**	apical diameter **2,6mm**	apical diameter **2,6mm**
ø 4,7 PTERYGO EV	 PTE-4716	 PTE-4718	 PTE-4720
	apical diameter **3,1mm**	apical diameter **3,1mm**	apical diameter **3,1mm**
ø 4,2 PTERYGO 3P	 PTI-4216	 PTI-4218	 PTI-4220
	apical diameter **2,6mm**	apical diameter **2,6mm**	apical diameter **2,6mm**
ø 4,7 PTERYGO 3P	 PTI-4716	 PTI-4718	 PTI-4720
	apical diameter **3,1mm**	apical diameter **3,1mm**	apical diameter **3,1mm**

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

Colour code LINE PTERYGO EV-3P	 Ø 4.2	 Ø 4.7
Final drill diameter	Ø 4.2	Ø 4.7

HEALING COMPONENTS

COVER SCREW (grade 5 Titanium)

It is used to completely cover the implant after placing it. Implant site reopening 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.

ANTI-ROTATIONAL TRANSMUCOSAL SCREW IN PEEK

The anti-rotational hexagon allows the peek screw to maintain its position. Particularly suitable in situations where modification by flow requires a specific orientation.

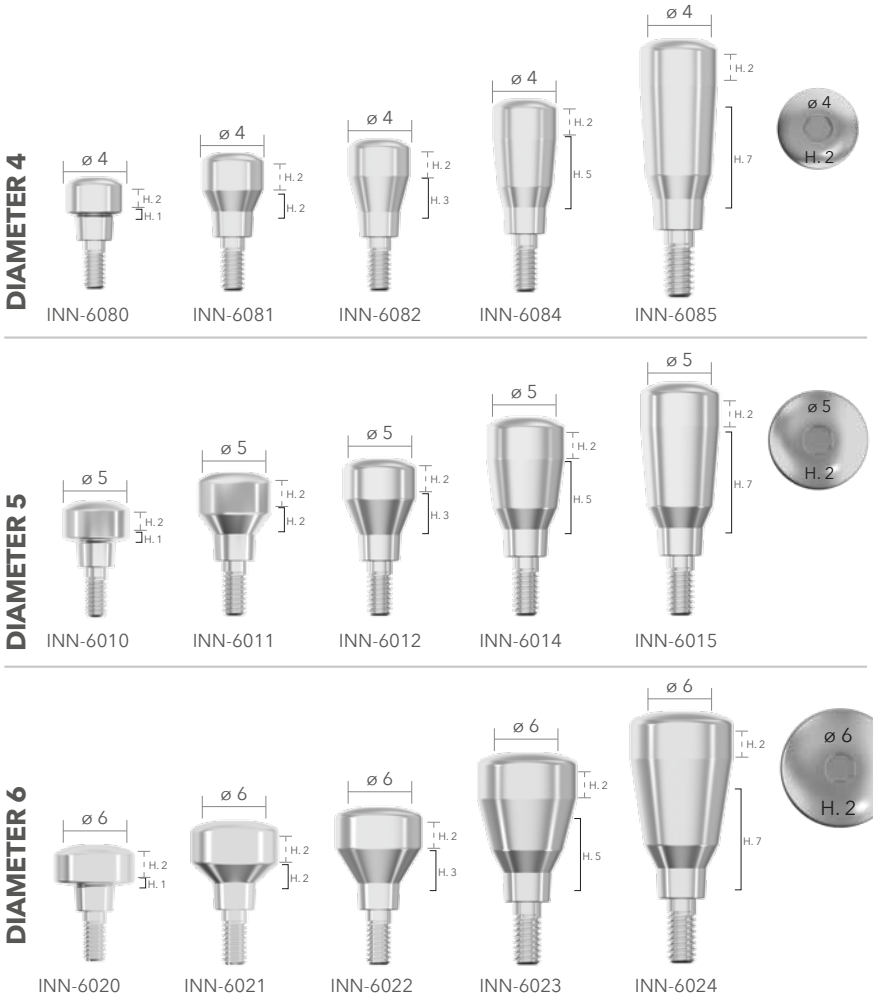
PEEK SCREW WITH ANTI-ROTATIONAL HEXAGON

INN-6059

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 IMPRESSION

PULL-OFF TRANSFERS

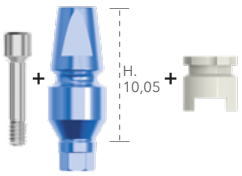
Suitable for the **closed tray** technique using standard impression trays. By inserting the transfert into the implant by pressure, the position of the implant in the impression and later on the laboratory model can be reproduced. It is important to use tear-resistant materials.

TRANSFER
3 pcs pack
INN-00306

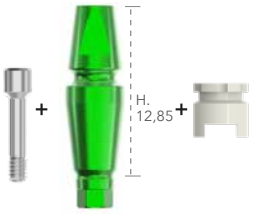
FACILITY TRANSFERS

Suitable for the **closed tray** technique using standard impression trays. By screwing the transfert with its plastic cap into the implant, it will be possible to transfer the position of the implant into the impression and subsequently onto the laboratory model.

PLASTIC CAP
2 pcs pack
INN-00507



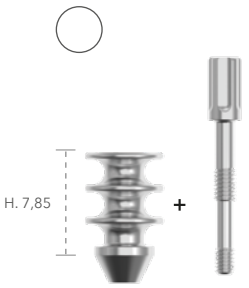
SHORT SET
metal transfer with plastic cap
INN-00506
This code includes a transfer screw INN-6052



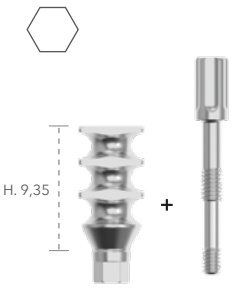
LONG SET
metal transfer with plastic cap
INN-00506L
This code includes a transfer screw INN-6052

PICK-UP TRANSFERS

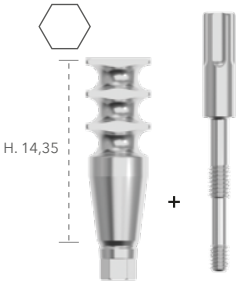
Suitable for the **open tray** technique using an open tray impression. By screwing the transfert into the implant, the position of the implant in the impression and later on the laboratory model can be restored.



ROTATING TRANSFER SET
metal transfer INN-00601
This code includes a transfer screw INN-00608



hex connection SHORT TRANSFER SET
metal transfer INN-00600
This code includes a transfer screw INN-00608



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

ANALOGUE

The analogues reproduce the implant connection and its location within the model.
They must be carefully placed on the transfers within the impression before casting the plaster model.

ANALOGUE
INN-00585

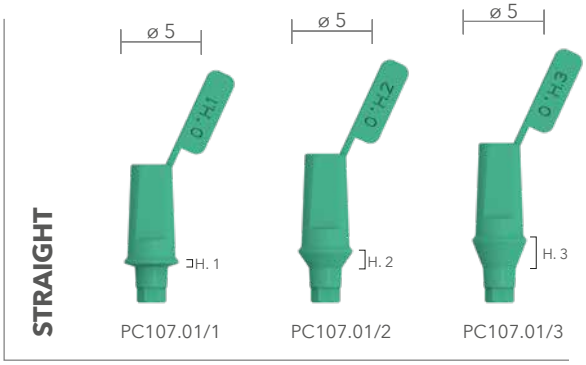
TEMPORARY PROSTHETIC COMPONENTS

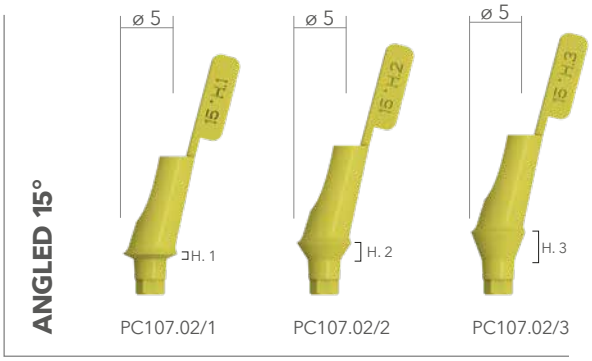
TRY-INN ABUTMENTS SET

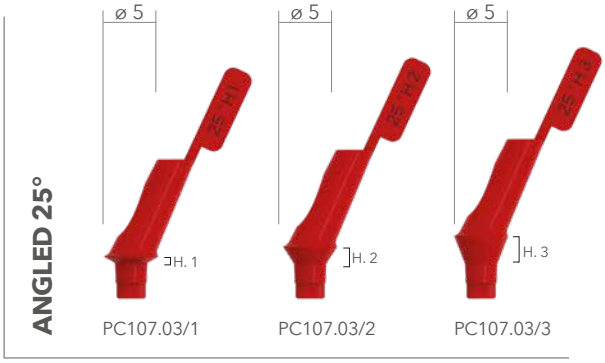
Try-Inn Abutments set helps dental technicians in selecting the most appropriate titanium abutment, depending on inclination and transmucosal height of the implant that was inserted.

CHARACTERISTICS

- Ease to use.
- Abutments are colour-coded and marked, easy to read and their choice can be planned.
- Easy to handle thanks to the plastic tab.
- Proper positioning of the Try-Inn abutments is checked thanks to the accurate feedback by the prosthesis connection.
- Try-Inn Abutments are made of a polymeric material that can be sterilised.







TRY-INN KIT

000.07
The kit includes 3 pieces of every part number.

The codes for the corresponding ø 5 abutments are specified at the back of the package to help the ordering procedure.

TEMPORARY ABUTMENTS IN PEEK

These temporary abutments are designed to be easily customised both on the spot by the practitioner and at the laboratory by the technician and can be used for:
-Immediate installation.
-Management of soft tissues in aesthetic areas.
-Temporary retention of cemented or screw-retained crowns.
These abutments have a taper coupling.

CHARACTERISTICS

-Made from PEEK: extremely easy to adapt and modify.
-Neutral colour for excellent aesthetic results.
-Completely metal-free.
-Conexa Connection.

IMPORTANT NOTE

The correct position of angled abutments can be checked bearing in mind that the outer hexagon of the implant driver is aligned with the inner hexagon.

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

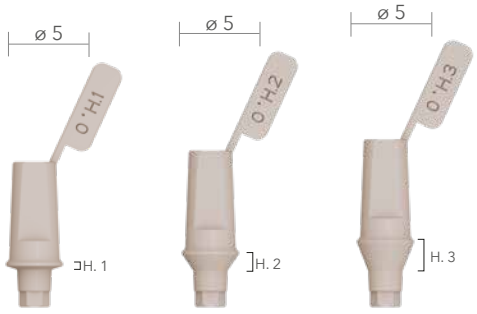
PEEK KIT

000.08
The kit includes 3 pieces of every code

INN-6050

This code includes screw INN-6050

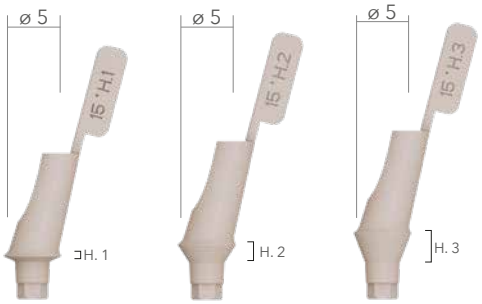
STRAIGHT



FV107.04/1 FV107.04/2 FV107.04/3

This code includes screw INN-6050

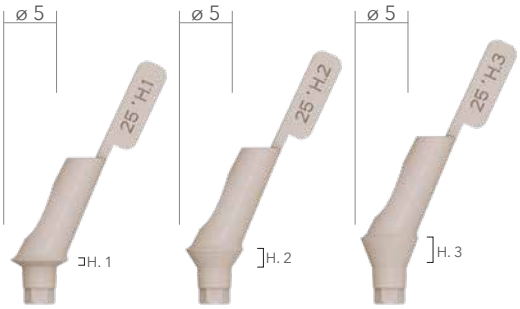
ANGLED 15°



FV107.05/1 FV107.05/2 FV107.05/3

This code includes screw INN-6050

ANGLED 25°



FV107.06/1 FV107.06/2 FV107.06/3

The codes for the corresponding ø 5 abutments are specified at the back of the package to help the ordering procedure.

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.

ABUTMENT POSITIONER
INN-62000

ABUTMENT SHORT POSITIONER
INN-62000/S

TEMPORARY ABUTMENTS IN TITANIUM

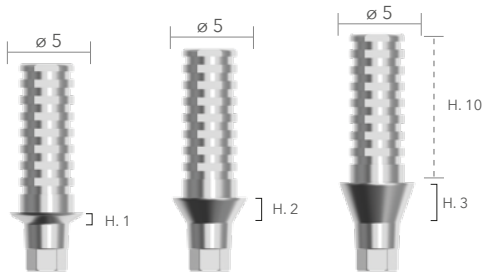
Abutments for cemented temporary prosthesis, easy to customise.

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.

This code includes screw INN-6050



INN-2080 INN-2081 INN-2082

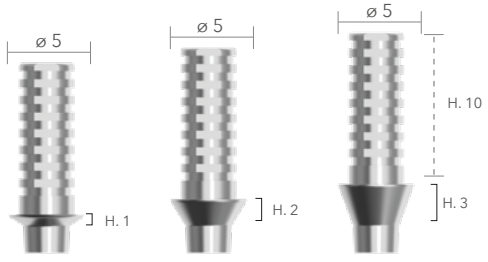
CHARACTERISTICS

- 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.

This code includes screw INN-6050



INN-2090 INN-2091 INN-2092

ABUTMENTS WITHOUT SHOULDER

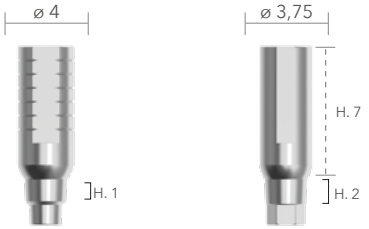
Abutments for cemented temporary prosthesis, easy to customise.

These abutments have a taper coupling.

CHARACTERISTICS

-They can be easily customised by the practitioner and by the technician.
-Abutment for intraoral welding is in Titanium grade 4
-Conexa Connection.

This code includes screw INN-6050



ROTATING ABUTMENT
INN-00738
for intraoral welding

NON-ROTATING ABUTMENT
INN-00742

DEFINITIVE PROSTHETIC COMPONENTS

UCLA ABUTMENTS

UCLA abutments can be used for:
- Over-structures.
- Cemented prosthesis.
- Screw-retained prosthesis.

These abutments are made of chromium-cobalt and have a taper coupling.

CHARACTERISTICS

- Completely customisable.
- Conexa Connection.

STRAIGHT, NO SWIVEL

This code includes screw INN-6050

INN-6048CC
Cr-Co

STRAIGHT, SWIVEL

This code includes screw INN-6050

INN-6048CC/R
Cr-Co

INN-6050

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 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.

4 mm DIAMETER

This code includes screw INN-6050

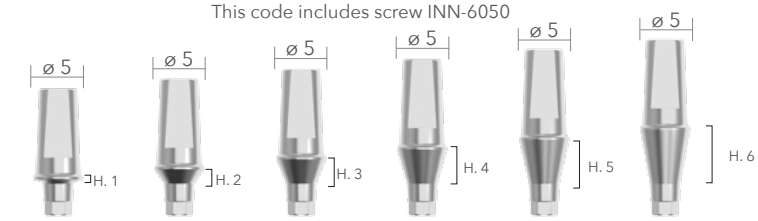
STRAIGHT

INN-2100 INN-2101 INN-2102 INN-2104 INN-2105 INN-2106

5 mm DIAMETER

This code includes screw INN-6050

STRAIGHT

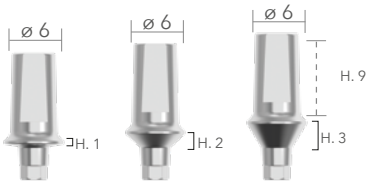


INN-2000 INN-2001 INN-2002 INN-2004 INN-2005 INN-2006

6 mm DIAMETER

This code includes screw INN-6050

STRAIGHT



INN-2030 INN-2031 INN-2032

INN-6050

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 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.

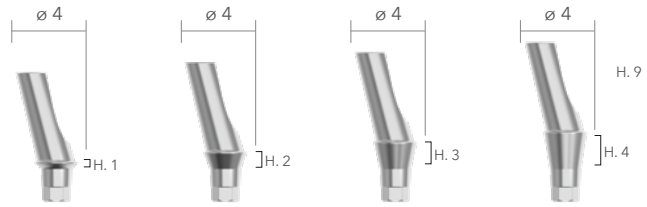
IMPORTANT NOTE

-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.

4 mm DIAMETER

This code includes screw INN-6050

ANGLED - 15°

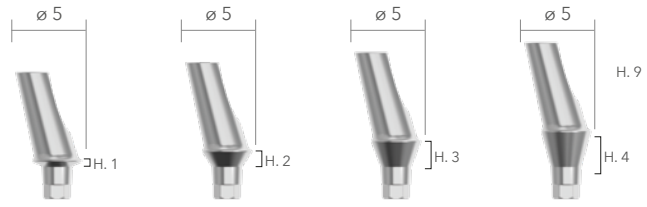


INN-2110 INN-2111 INN-2112 INN-2114

5 mm DIAMETER

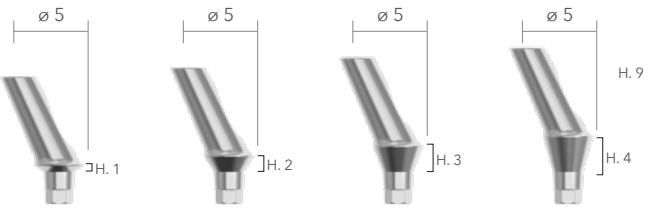
This code includes screw INN-6050

ANGLED - 15°



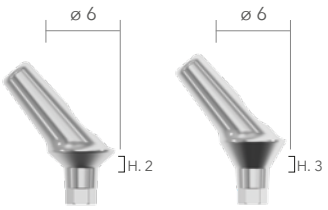
INN-2015 INN-2016 INN-2017 INN-2018

ANGLED - 25°



INN-2025 INN-2026 INN-2027 INN-2028

ANGLED - 40°

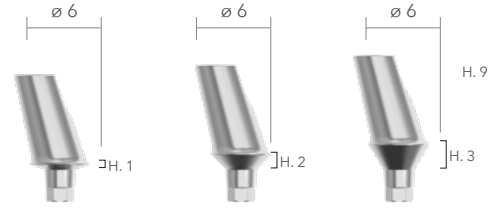


PT-2040/2 PT-2040/3

6 mm DIAMETER

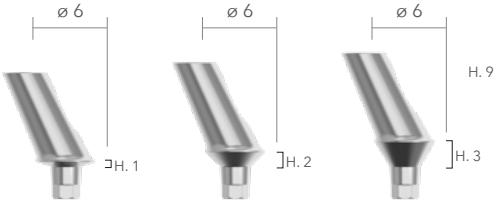
This code includes screw INN-6050

ANGLED - 15°



INN-2065 INN-2066 INN-2067

ANGLED - 25°



INN-2075 INN-2076 INN-2077

HEALING SCREWS FOR SCANNING

These healing screws also have the function of a scan-abutment and feature a connection up to the stop limit. The top milling helps in the alignment process during the prosthesis construction. The opaque violet colour has a dual function: it is aesthetically similar to that of the gums and at the same time promotes correct scanning.

HEALING SCAN
D.5 H 2 MM
INN-6001

HEALING SCAN
D.5 H 3 MM
INN-6002

HEALING SCAN
D.5 H 5 MM
INN-6004

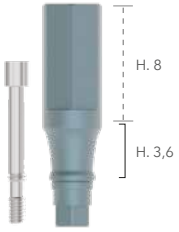
Theese codes includes screw

SCAN COMPONENTS

Scans are components for impression-taking with intraoral or lab scanners.
Scanbody items should be connected directly to the implant.

Theese codes includes screw

SHORT SCANBODY
INN-SCAN-3-NR-S



LONG SCANBODY
INN-SCAN-3-NR

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 MEDENTIKA

This code includes screw INN-6050

INN-CF5123 Titanium
INN-CB512 Chromium-Cobalt

INN-CF5125 Titanium
INN-CB5125 Chromium-Cobalt

also available for DESS holders on request

3D ANALOGUES

The 3D analogues are equipped with a screw for fixing and removing them from their seat in the printed model.

STANDARD 3D ANALOG
3D-00585

3D ANALOG WITHOUT MORSE TAPER
3D-00585/NM

Theese codes includes screw 3D-02

IMPORTANT NOTE

To use these components, it is necessary to have B&B Dental libraries, which are available in the "download" section of our website. Please contact us for further support.

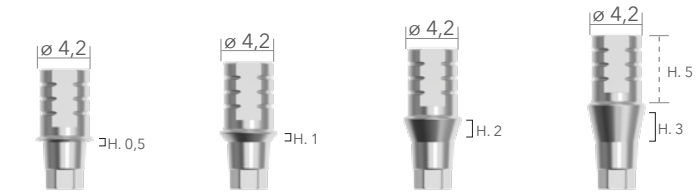
TI-LINK 3P/EV/WIDE

They are titanium components mainly used for cemented prostheses 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.

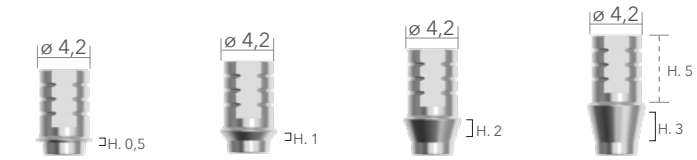
NON-SWIVELLING BASE



INN-00652/05 INN-00652 INN-00652/2 INN-00652/3

This code includes screw INN-6050

SWIVELLING BASE



INN-00651/0.5 INN-00651 INN-00651/2 INN-00651/3

This code includes screw INN-6050

CASTABLE CYLINDER

INN-0430

INN-6050

TI BASE 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.

INN-00655 INN-00655/2 INN-00655/3

This code includes screw INN-6050

*Distributed by B&B Dental S.r.l.

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

NOTE:

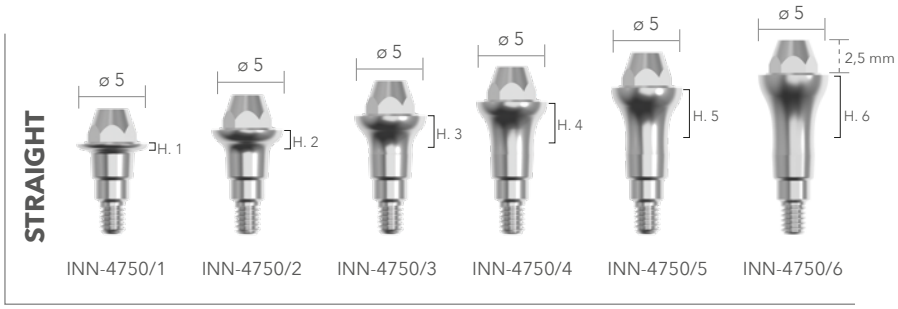
Scanbody items are placed on ScanPost and TiBase for implant data optical acquisition. The grey cap is used with the omnicam and primescan systems. The white cap is used with the bluecam system. Two connections are available:
- S -compatible for SLIM (codes: 6431295 - 6431311)
- L -compatible with conexa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

MULTI USE ABUTMENTS

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 or bars on implants with prosthesis.

STRAIGHT MULTI-USE ABUTMENTS

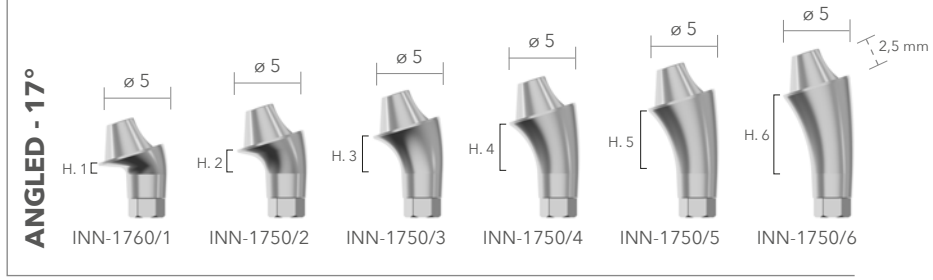
Straight multi-use abutments must be fixed directly to the implant using a multi-use driver (a manual one or with a ratchet).



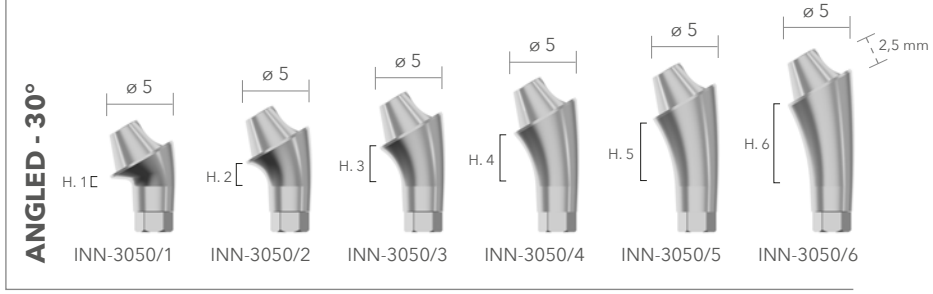
This code includes screw INN-5146

ANGLED MULTI-USE ABUTMENTS

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

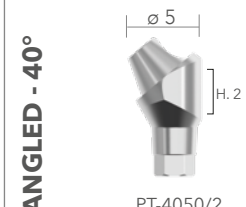


This code includes screw INN-5146



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

This code includes screw INN-5146

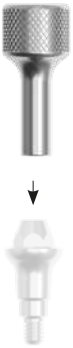


INN-5146

MUA TOOLS

RATCHET DRIVER FOR STRAIGHT MULTI-USE ABUTMENTS AND BALL JOINTS
INN-00637

BORE REAMER
GD-BM



MANUAL KEY FOR STRAIGHT MULTI-USE ABUTMENTS AND BALL JOINTS
00440M

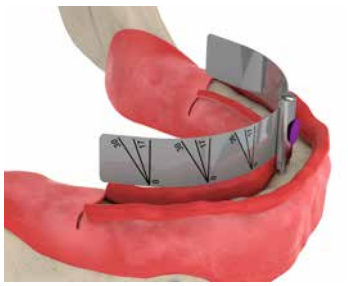
The positioner is used to easily bring the MUA abutment into position in order to insert the primary screw. The angle gauge for MUA allows you to measure and define the insertion angle of MUA abutments.

ANGLE GAUGE FOR MUA
024-MUA

POSITIONER FOR ANGLED MULTI-USE ABUTMENTS
023-MUA

SHORT POSITIONER FOR ANGLED MULTI-USE ABUTMENTS
023-MUA-S

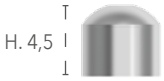
The guide arch provides a multi-unit abutment angle reference (0°, 17° and 30°) during the milling phase of the implant site. Once the gingival opening has been made and the site prepared with the lance drill, it must be inserted into the bone to guide the milling angle and the consequent positioning.



ALL ON FOUR GUIDE ARCH
INN-3017

HEALING SCREW

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

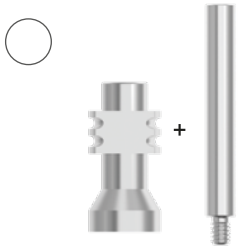


HEALING SCREW
INN-6030

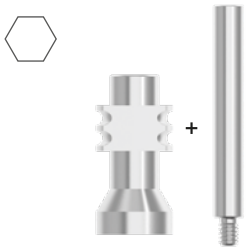
TRANSFER

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

CLOSED-TRAY TRANSFER
INN-00611



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



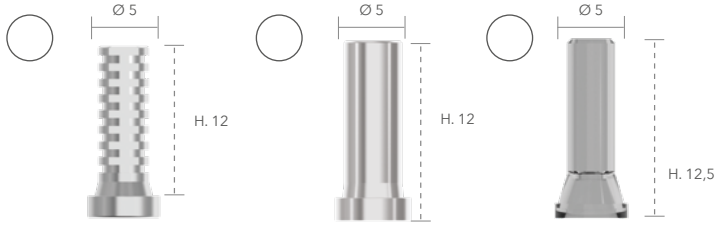
NON-ROTATING OPEN TRAY TRANSFER
INN-005001
This code includes screw INN-00612

MUA ABUTMENTS

These abutments must be fixed onto the MUA to build structures.
Two versions are available:
- rotating
- non-rotating.

Theese codes includes screw INN-6051

ROTATING



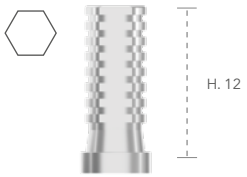
TEMPORARY ABUTMENT
INN-5144

MUA TEMPORARY ABUTMENT (GR.4) FOR WELDING+SCREW
INN-5144W

CASTABLE ABUTMENT
INN-5145

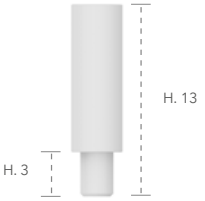
The non-rotating abutment can be used in single solutions.

NON-ROTATING



MUA NON-ROTATING TEMPORARY ABUTMENT
PVF301
This code includes screw INN-6051

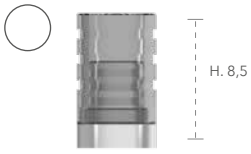
OPTIONAL ITEM



PROTECTION FOR TEMPORARY MUA ON RESTORATION
INN-5147

UCLA FOR MUA

Castable abutment with chromium-cobalt base. This abutment is to be placed over both straight and angled MUAs.



This code includes screw INN-6051
CHROMIUM-COBALT UCLA ABUTMENT
INN-6048

ANALOGUE

The analogues reproduce the implant connection and its location within the model. They must be carefully placed on the transfers within the impression before casting the plaster model.

MUA ANALOG
INN-00586

NON-ROTATING MUA ANALOG
INN-00586/NR

TIGHTENING: Recommended tightening: 15 Ncm. Check the tightening forces and procedures on pages 11-12.

INN-6051

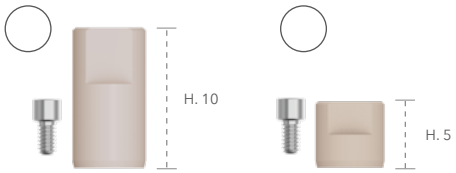
MUA DIGITAL TOOLS

These components are used in digital prosthetics.

SCANS FOR MUA

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

This code includes screw INN-6051



MUA SCANNER
SCAN-MUA

MUA SCANNER
SCAN-MUA-S

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.

This code includes screw INN-6051

3D-5144

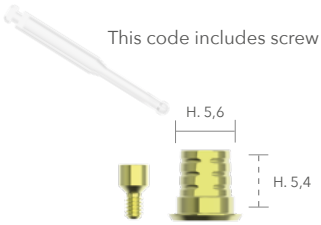
TI LINK FOR MUA
3D-5148

3D-5145

TI LINK BASES FOR MUA FOR INCLINED HOLE

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

This code includes screw 3D-14



COMPONENTS FOR INCLINED HOLES
3D-5143

DRIVERS FOR INCLINED HOLES

These drivers are designed to screw and unscrew the screws (code No. 3D-14) through the inclined hole.

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 ANALOGUE
3D-00586
This code includes screw 3D-02

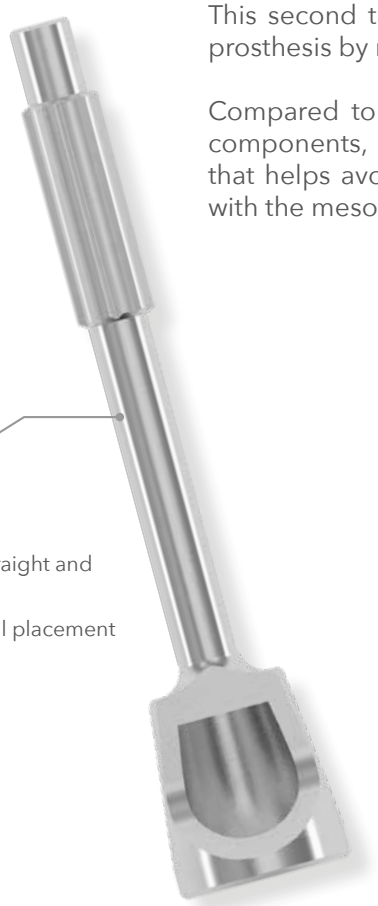
IMPORTANT NOTE

To use these components, it is necessary to have B&B Dental libraries, which are available in the “download” section of our website. Please contact us for further support.

CONICAL SYSTEM

The tapered system transfers the clinically proven stability of the taper abutment connection to the abutment-prosthesis connection. This second taper connection ensures the final positioning of the prosthesis by minimising spaces and micromovements.

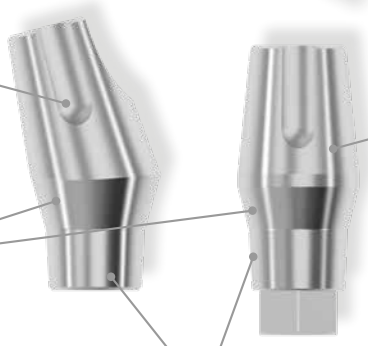
Compared to bar restorations or other pre-fabricated connection components, this solution offers stable friction-locked connection that helps avoiding problems related to the difficulty of designing with the mesostructure.



POSITIONER
- Suitable for both straight and angled abutments
- Useful for a practical placement of the abutments

PROSTHETIC CAP
- Suitable for both straight and angled abutments
- Precision friction taper coupling
- Easy to use inside cast, milled or sintered structures
- Cementable and electrically weldable, both as a single abutment and in bridges and fixed or mobile structures

FASTENING SCREW
- Activates cold welding between abutments and implants
- Additional fastening guarantee



15° ANGLED TAPER ABUTMENT
- Free 360° alignment of the abutments
- Perfect alignment by rotation until the insertion direction of the prosthesis is reached

TRANSMUCOSAL HEIGHTS
- Available in various sizes to be modulated with respect to the route of the implant site

STRAIGHT TAPER ABUTMENT
- Equipped with a hexagonal index
- Simplified insertion and removal with respect to parallel-walled retention elements

5° CONEXA CONNECTION
- Accurate positioning of prosthetic components
- Increased mating surface between implant and abutment
- High stability

IMPORTANT NOTE

The recommended tightening torque is 15Ncm.
Use the screwdrivers or the extraction screw to disengage the abutments.

CONICAL ABUTMENTS

CHARACTERISTICS

- Usable for fixed and removable prostheses.
- Maximum possible reduction in the size of the prosthetic body to facilitate cleaning and comfort.
- Immediate restoration in 2 hours with existing prosthesis.
- Long-term stability for hard and soft tissues.
- The abutments are designed to go in tapered pair with the CONEXA line implants, for disengagement the screw or the extractor screwdrivers must be used.
- The welding cap is press-fitted, while its removal requires the use of a hammer or pliers.

STRAIGHT - NON-ROTATING (ø 3.75)

INN-2701* | INN-2702* | INN-2703* | INN-2704* | INN-2706*

STRAIGHT - ROTATING (ø 3.75)

INN-2701/IMP* | INN-2702/IMP* | INN-2703/IMP* | INN-2704/IMP* | INN-2705/IMP*

15° ANGLED - ROTATING (ø 3.75)

INN-2715/1* | INN-2715/2* | INN-2715/3* | INN-2715/4* | INN-2715/6*

30° ANGLED - ROTATING (ø 3.75)

INN-2730/1* | INN-2730/2* | INN-2730/3* | INN-2730/45*

*This code includes screw INN-5146

COMPONENTS AND ACCESSORIES

The taper abutments are equipped with a dedicated component allowing simplified positioning in the mouth and practical taking of the impression.

ROTATING PEEK WELDING CONICAL CAP
INN-2700P

ROTATING CONICAL CAP
INN-2700R

H. 9,2

WELDING CONICAL CAP
INN-2700
Specific for 30° angled abutments

H. 9,2

CAP FOR CONICAL ABUTMENTS
INN-2700S
It can be used for straight and 15° angled abutments

H. 12

CONICAL CAP SOFT RETENTION
INN-2700D

ROTATING CONICAL CAP FOR LAB
INN-2700L

CONICAL CUP FOR PARALLELISM INN-2699

NO ROTATING WELDING CONICAL CAP
INN-2700F

IMPRESSION CONICAL CAP (HIGH RETENTION)
SCAN-CON

3D CONICAL ANALOGUE
3D-2695

CONICAL ANALOGUE INN-2695

MACHINE AND WELDING WIRES

WELDING WIRES

Grade 4 titanium welding wires can be used to provide additional stability to the caps once they are in place. In such cases, the size between the two (or more) caps is calculated in advance and, after the wire is cut accordingly, it is welded to them using a welding pin.

INN-2691

INN-2692

NB.0220.8004

INTRAORAL WELDING MACHINE SMART IW

- Distributed by B. & B. Dental -

The intraoral welding machine allows titanium wires to be welded to the conical caps, ensuring greater stability and reinforcement of the prosthetic structure in cases with immediate loading.

MINI CONE-REGULAR AND MINI CONE SLIM

CHARACTERISTICS OF MINI CONE-REGULAR AND MINI CONE SLIM ABUTMENTS

MINI CONE-ABUTMENT 5° can be used for fixed or removable prostheses on DURA-VIT 3P, EV, WIDE and PTERYGO implants, while MINI CONE SLIM 22° ABUTMENTS are used on implants from the DURA-VIT SLIM line. There is a specific ratchet driver for both types of abutments, as well as dedicated components and accessories compatible with both abutments. These abutments also do not have a through-screw. The welding cap is press-fitted, while its removal requires the use of a hammer or pliers.

MINI CONE - REGULAR 5° for standard implants

INN-2711

INN-2712

INN-2713

MINI CONE SLIM 22° for slim implants

00372/1

00372/2

00372/3

COMPONENTS AND ACCESSORIES

The MINI CONE-ABUTMENT 5° and MINI CONE SLIM 22° are equipped with dedicated components.

WELDING CONICAL CAP FOR MINI CONE
INN-2800

NO ROTATING WELDING CONICAL CAP FOR MINI CONE
INN-2801

SCAN CONICAL CAP FOR MINI CONE
INN-2802

IMPRESSION CONICAL CAP FOR MINI CONE
INN-2803

DIGITAL CONICAL ANALOG WITH ANTI-ROTATIONAL SYSTEM
3D-00589
Il codice include la vite 3D-02

DRIVER

Ratchet driver with three-lobed connection for MINI CONE-ABUTMENT 5° and MINI CONE SLIM 22°

DRIVER FOR MINI CONE ABUTMENT 5° AND SLIM 22°
INN-65000

FLAT ANCHORING SYSTEM

FLAT ABUTMENTS

Flat abutments are screwed directly onto the implant and are ideal for the reconstruction of entire arches. Their design allows flexibility in cases of divergent conditions between implants, in fact they allow the axis of withdrawal for convergent and divergent implants to be maintained at no more than 15°.
These abutments simulate the external connection.
Suitable for:
- 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
00578/SHORT

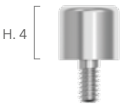
FLAT
INN-00669

FLAT
INN-00669/3

FLAT
INN-00669/4

HEALING SCREW

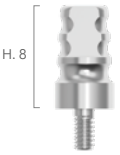
It is used for mucosal healing and conditioning, on top of FLATs. These components are used to rehabilitate soft tissues above the implant so that the final prosthetic abutment can be placed.



HEALING SCREW
INN-00733

TRANSFER

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



CLOSED TRAY TRANSFER
INN-00737

ANALOGUE

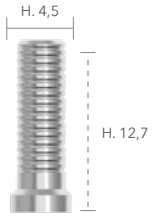
The analogues reproduce the implant connection and its location within the model. They must be carefully placed on the transfers within the impression before casting the plaster model.

FLAT ANALOG
INN-00736

FLAT ABUTMENTS

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

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



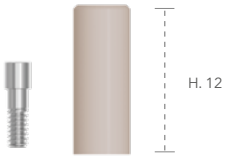
TITANIUM ABUTMENT
INN-00687/1
This code includes screw INN-00690

FLAT DIGITAL TOOLS

The digital components are specifically designed to be used with intraoral and lab scanner.

SCAN FOR FLAT

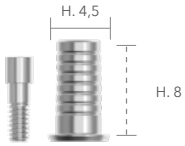
The FLAT scan is a rotating tool to take impressions by means of intraoral or laboratory scanners.



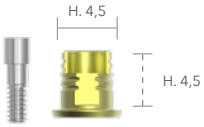
SCAN FLAT
SCAN-FLAT
This code includes screw INN-00690

TI LINK BASES FOR FLAT

FLAT bases are useful for anchoring prosthetic crowns on top of FLATs.



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



SHORT FLAT BASE
3D-00687/1
This code includes screw INN-00690

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.

SCREW FOR INCLINED HOLE
3D-16

3D ANALOGUES

The 3D analogues are equipped with a screw in order to fix or remove them from their place in the printed model.

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

TIGHTENING:
Recommended tightening: 20 Ncm.
Check the tightening forces and procedures on pages 11-12.

IMPORTANT NOTE

To use these components, it is necessary to have B&B Dental libraries, which are available in the “download” section of our website. Please contact us for further support.

SPHERICAL ANCHORING SYSTEM

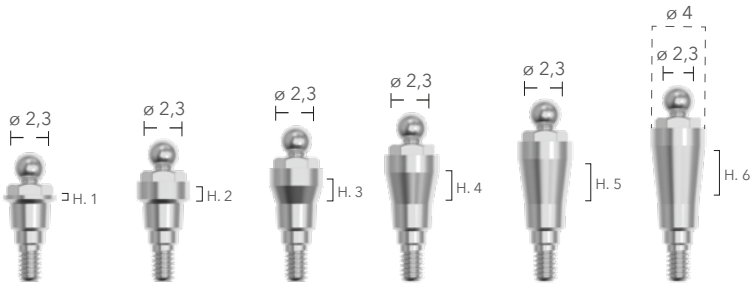
SPHERICAL ABUTMENTS

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.

Ø 2.3 BALL ABUTMENT



INN-1060 INN-1061 INN-1062 INN-1064 INN-1065 INN-1066

ACCESSORIES FOR IMPRESSION AND LAB

O-BALL ANALOGUE
INN-00623

TRANSFER
INN-00625

Ø 2.3 PLASTIC CAPS AND METAL HOUSINGS

NOTE: The metal housing contains the plastic cap.

SOFT
INN-00629/1

MEDIUM
INN-00629

HARD
INN-00629/3

SOFT
INN-00630/S

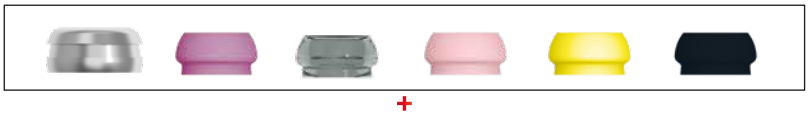
MEDIUM
INN-00630

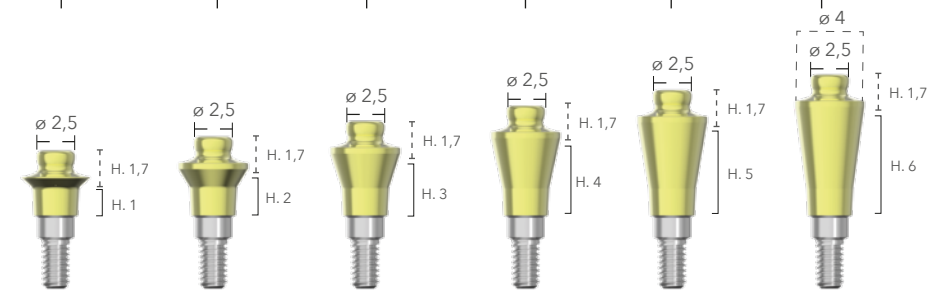
HARD
INN-00630/H

Ø 2.3 PLASTIC CAPS ONLY

6 pieces per package

OT EQUATOR *





134DIN1 134DIN2 134DIN3 134DIN4 134DIN5 134DIN6

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 *

SMART BOX HOUSING WITH BLACK POSITIONING CAP
330SBE

S/STEEL HOUSINGS FOR CAPS
141CAE (2 pieces)

VIOLET CAPS (STRONG RETENTION)
140CEV (4 pieces)

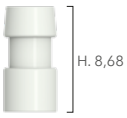
WHITE CAPS (STANDARD RETENTION)
140CET (4 pieces)

PINK CAPS (SOFT RETENTION)
140CER (4 pieces)

YELLOW CAPS (EXTRASOFT RETENTION)
140CEG (4 pieces)

LAB ACCESSORIES *

LABORATORY CAPS - BLACK
140CEN (4 pieces)



COPING FOR IMPRESSION
144MTE (2 pieces)

LAB ANALOGUES
144AE (2 pieces)

PRESS-FIT COPING
044CAIN (2 pieces)

SURGICAL INSTRUMENTS AND DRIVERS *

1 METAL INSERTION TOOL FOR CAPS
185IAC

1 MULTI-PURPOSE BLUE DRIVER
124ICP

1 SQUARE DRIVER CONNECTOR FOR CONTRA-ANGLE
760CE

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

TIGHTENING: Check the tightening instructions provided by the manufacturer in the specific package insert.

*Distributed by B. & B. Dental S.r.l.

DURA-VIT MONO IMPLANTS

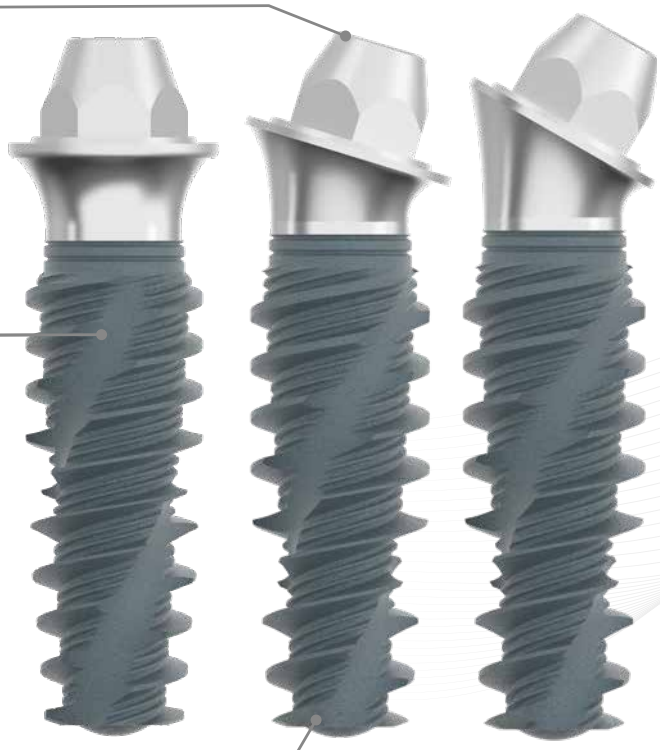
These implants provide the quality of a standard implant and the versatility of a MUA [multi-unit abutment]. They are designed with a concave shape in order to adapt perfectly to soft and hard tissue and favour tissue healing in the biological space of the implant and also maximum aesthetics.

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

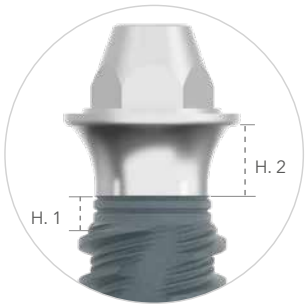
- Double sharp threading for helical male for increased depth
- It guarantees easy insertion and osteocondensation
- Very high primary stability

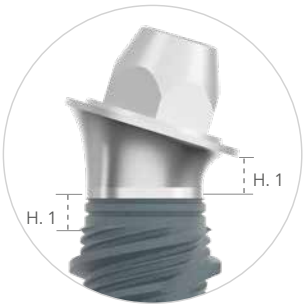


PENETRATING TIP

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

MONO LINE





PROPERTIES

- Ideal in D3-D4 bone.
- Allows for condensation.
- Ideal in post-extraction sites.
- Under-preparation of the implant site.
- Grade 5 Titanium.

MONO•LINE

STRAIGHT	L. 06	L. 08	L. 10	L. 12	L.14	L.16
Ø 3			 MUA-3010 apical diameter **2,6mm**	 MUA-3012 apical diameter **2,6mm**	 MUA-3014 apical diameter **2,6mm**	
Ø 3,5		 MUA-3508 apical diameter **2,8mm**	 MUA-3510 apical diameter **2,8mm**	 MUA-3512 apical diameter **2,8mm**	 MUA-3514 apical diameter **2,8mm**	
Ø 4,0	 MUA-4006 apical diameter **3,4mm**	 MUA-4008 apical diameter **3,2mm**	 MUA-4010 apical diameter **3,2mm**	 MUA-4012 apical diameter **3,2mm**	 MUA-4014 apical diameter **3,2mm**	 MUA-4016 apical diameter **3,2mm**
Ø 4,5	 MUA-4506 apical diameter **3,8mm**	 MUA-4508 apical diameter **3,6mm**	 MUA-4510 apical diameter **3,6mm**	 MUA-4512 apical diameter **3,6mm**	 MUA-4514 apical diameter **3,6mm**	
Ø 5,0	 MUA-5006 apical diameter **4,3mm**	 MUA-5008 apical diameter **4,1mm**	 MUA-5010 apical diameter **4,1mm**			
ANGLED 17°						
Ø 3.5			MUA-3510-17 apical diameter **2,8mm**	MUA-3512-17 apical diameter **2,8mm**	MUA-3514-17 apical diameter **2,8mm**	MUA-3516-17 apical diameter **2,8mm**
Ø 4.0			MUA-4010-17 apical diameter **3,2mm**	MUA-4012-17 apical diameter **3,2mm**	MUA-4014-17 apical diameter **3,2mm**	MUA-4016-17 apical diameter **3,2mm**
ANGLED 30°						
Ø 3.5			MUA-3510-30 apical diameter **2,8mm**	MUA-3512-30 apical diameter **2,8mm**	MUA-3514-30 apical diameter **2,8mm**	MUA-3516-30 apical diameter **2,8mm**
Ø 4.0			MUA-4010-30 apical diameter **3,2mm**	MUA-4012-30 apical diameter **3,2mm**	MUA-4014-30 apical diameter **3,2mm**	MUA-4016-30 apical diameter **3,2mm**

PACKAGING

The packaging is safe and 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.

STERILE PACKAGING
Packaging is sterilised by gamma rays.

IMPLANT CARD
A card to be given to implant patients that contains information for the traceability of the implant itself and the correct management of the post-operative process.

INSTRUCTIONS FOR USE
It provides the necessary information for the correct use of the device, as well as contraindications, warnings and precautions to be considered with regard to the medical device.

COLOUR CODING OF INTERNAL TUBE IMPLANTS AND TOOLS

MONO STRAIGHT LINE colour code	Ø 3,0	Ø 3,5	Ø 4,0	Ø 4,5	Ø 5,0
Final drill diameter	Ø 3,0	Ø 3,5	Ø 4,0	Ø 4,5	Ø 5,0

MONO LINE ANGLED 15° colour code	Ø 3,5	Ø 4,0
Final drill diameter	Ø 3,5	Ø 4,0

MONO LINE ANGLED 30° colour code	Ø 3,5	Ø 4,0
Final drill diameter	Ø 3,5	Ø 4,0

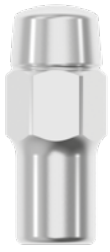
MONO IMPLANT GRIP AND POSITIONING

IMPLANT GRIP

VERTICAL GROOVES

These vertical grooves, associated to the posterior one, allow the clinician to verify at a glance the accuracy of the insertion.

ONE-PIECE DRIVERS



MOUNTER FOR MUA ANGLED 17°/30° IMPLANTS (AND STRAIGHT MOUNTERS)
INN-00771

CONTRANGLE MOUNTER FOR MONOBLOCK IMPLANT
INN-00535/L

RACHET MOUNTER FOR MUA IMPLANTS
MUA-00637

PREPARATION STOPS AND DIRECTION INDICATORS

Preparation stops for angled implant sites are inserted on the Ø2.1 drill and allow the clinician to check and rectify the angle of the site at 17°, 30° and 40°. Direction indicators are inserted into the prepared site to check the accuracy of the angle for the subsequent positioning of the abutment.

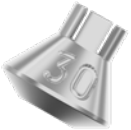
(please refer to the surgical protocol on page 102)

17° TITANIUM PARALLEL PIN
00441T/17

30° TITANIUM PARALLEL PIN
00441T/30

40° TITANIUM PARALLEL PIN
00441T/40

TOOL FOR DRILLS FOR 17° IMPLANTS
ST17-10



TOOL FOR DRILLS FOR 30° IMPLANTS
ST30-10

TOOL FOR DRILLS FOR 40° IMPLANTS
ST40-10

MUA MONO ACCESSORIES

(Connection screw Ø 1,6mm)

HEALING SCREW

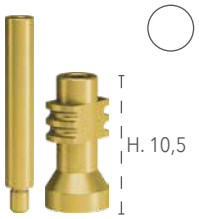
This is used in the patient's healing phase to protect the MUA abutment until the prosthesis is applied.

HEALING SCREW
MUA-6030

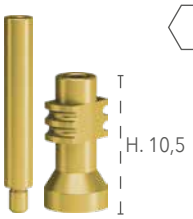
TRANSFERS

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

CLOSED-TRAY TRANSFER
MUA-00611



ROTATING OPEN TRAY TRANSFER MUA-00610
This code includes screw MUA-00612



NON-ROTATING OPEN TRAY TRANSFER MUA-00610.NR
This code includes screw MUA-00612

ABUTMENTS FOR MUA - CASTABLE AND TURRETS

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

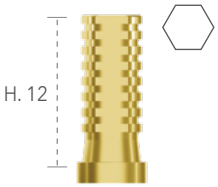
ROTATING

TEMPORARY ABUTMENT
MUA-5144*

CASTABLE ABUTMENT
MUA-5145*

TEMPORARY ABUTMENT TO BE WELDED
MUA-5144W

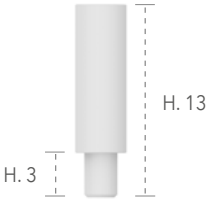
NON-ROTATING



MUA TEMPORARY ABUTMENT
MUA-5144.NR*

CASTABLE ABUTMENT
MUA-5145.NR*

OPTIONAL ITEM



PROTECTION FOR TEMPORARY MUA ON RESTORATION
INN-5147

ANALOGUE

The analogues reproduce the implant connection and its location within the model. They must be carefully placed on the transfers within the impression before casting the plaster model.

MUA ANALOG 1.6MM
MUA-00586

NON-ROTATING MUA ANALOG
MUA-00586NR

* complete with MUA-6051S connection screw

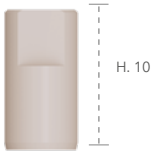
DIGITAL ACCESSORIES FOR MUA MONO

MUA SCAN

The MUA scan is a necessary device that takes impressions by means of intraoral and lab scanners. It is available in two versions, rotating and non-rotating, and in different lengths.

ROTATING

SCAN
SCAN-MUA-16*



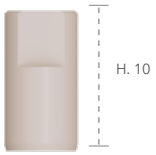
MUA SCANNER
SCAN-MUA-16L*

NOTE

The NON-ROTATING MUA scan is characterised by double drilling.

NON-ROTATING

SCAN
SCAN-MUA-16-NR*

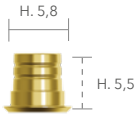


MUA SCANNER
SCAN-MUA-16L-NR*

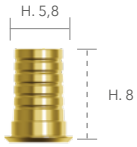
TI-LINK FOR MUA

These abutments must be fixed onto the MUA to build structures. They are available in two versions, rotating and non-rotating, and in different lengths.

ROTATING



SHORT TI-LINK
3D-5147*

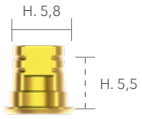


LONG TI-LINK
3D-5146*

NOTE

The NON-ROTATING MUA TI-LINK is characterised by vertical drilling.

NON-ROTATING



SHORT TI-LINK
3D-5147NR

ANALOG 3D

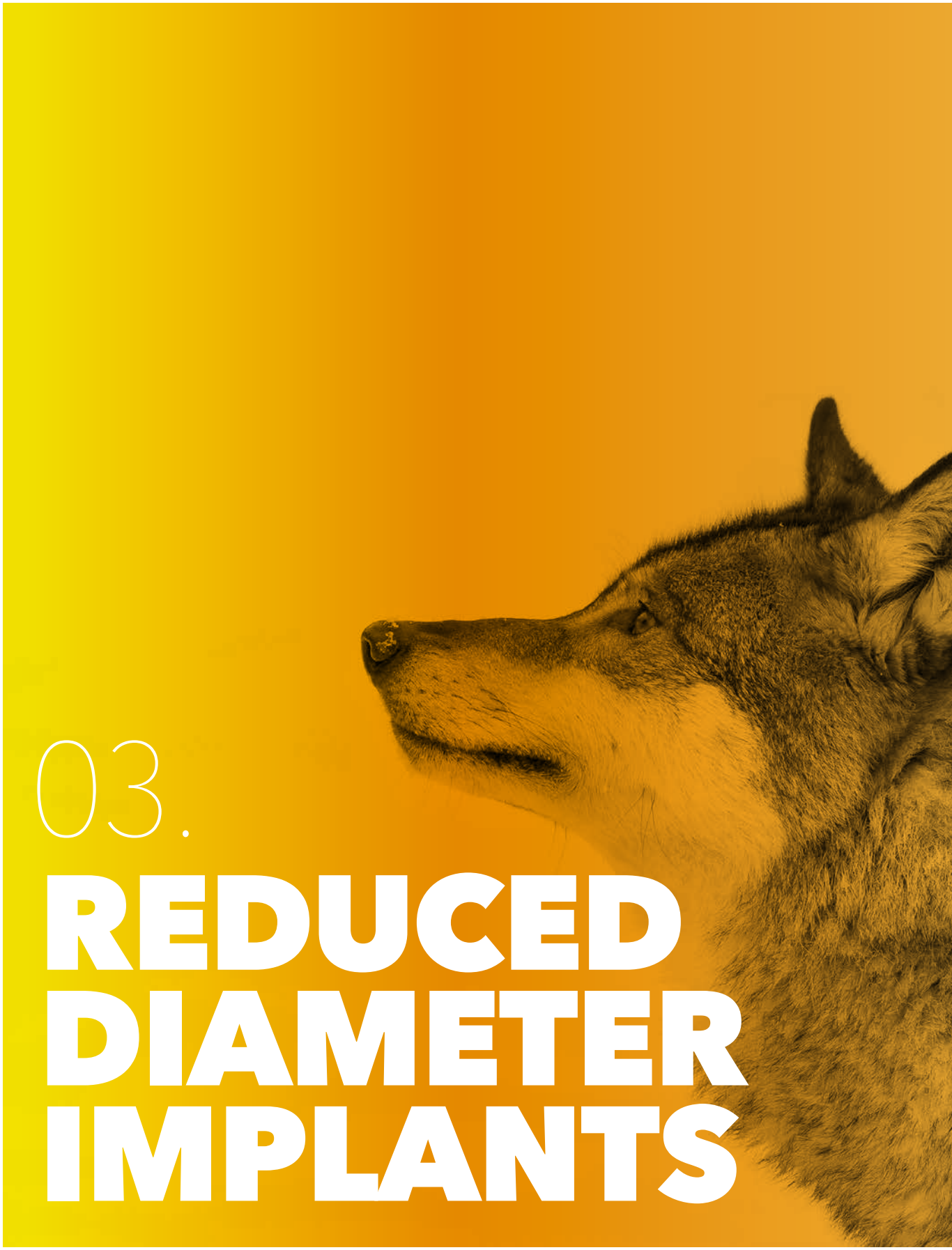
The 3D analogues are equipped with a screw for fixing and removing them from their seat in the printed model.
Code 3D-00587 includes screw 3D-02.
Code MUA-00586NR can be used digitally by purchasing the 3D-02 screw separately.

3D ANALOG
3D-00587

NON-ROTATING 3D MUA ANALOG
MUA-00586NR

* complete with MUA-6051S connection screw

(Connection screw Ø 1,6mm)



03. REDUCED DIAMETER IMPLANTS

REDUCED DIAMETER IMPLANTS

DURA-VIT SLIM implants make it possible to handle cases with limited bone crest and implant site space, exploiting all the advantages and peculiarities of B. & B. Dental implants' surfaces and shapes.
They are characterised by a conical-hexagonal connection, without a morse taper and with an increased contact area between the implant surface and the abutment, which promotes greater stability of the entire prosthetic system.
Dedicated surgical and prosthetic components make the protocol extremely intuitive.

DURA-VIT SLIM IMPLANTS

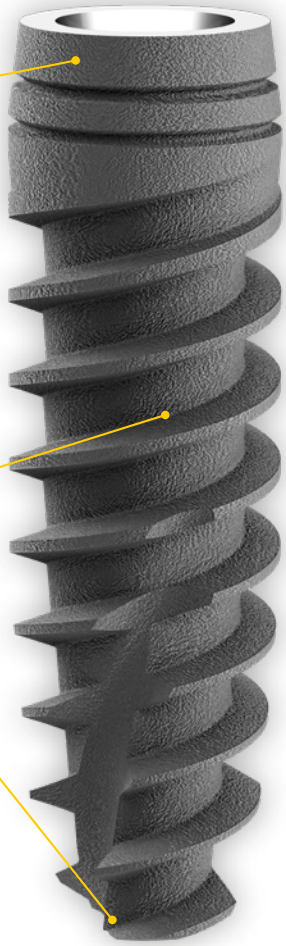
SLIM implants are characterised by the taper-hexagonal connection without a morse taper and by the precision in the positioning of the prosthetic components, respecting the uniform distribution of the masticatory forces. The increased contact area between implant surface and abutment promotes greater stability of the entire prosthetic system.

SLIM Ø3.4

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

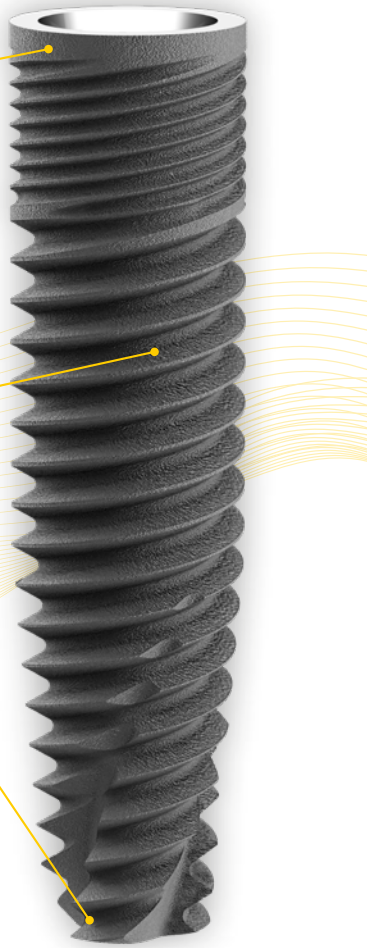


SLIM Ø3.0

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

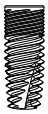
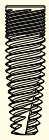
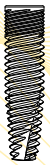
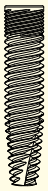


PROPERTIES

SLIM Ø 3.4 IMPLANT
- Ideal in D3-D4 bone
- Allows for bone condensation
- Grade 4 Titanium.

SLIM Ø 3.0 IMPLANT
- Excellent in all bone types (especially D1-D2)
- High primary stability
- Not suitable for sites next to sinus or nerve
- Grade 5 Titanium.

SLIM • LINE

	L. 8	L. 10	L. 12	L. 14
ø 3,4	 SL-3408	 SL-3410	 SL-3412	 SL-3414
	apical diameter **3,0mm**	apical diameter **3,0mm**	apical diameter **3,0mm**	apical diameter **3,0mm**
	L. 8	**L. 10**	**L. 12**	**L. 14**
ø 3	 3P-3008	 3P-3010	 3P-3012	 3P-3014
	apical diameter **2,5mm**	apical diameter **2,2mm**	apical diameter **2,2mm**	apical diameter **2,2mm**

These implants are supplied with the locking screw only.

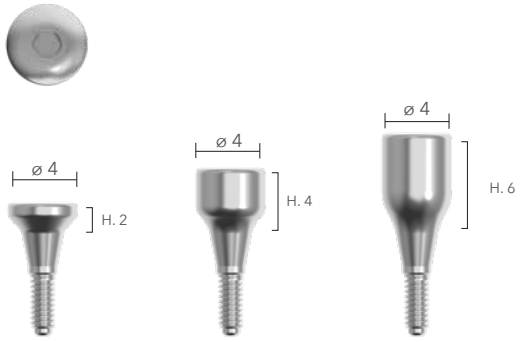
IMPORTANT NOTE

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.

IMPRESSION AND 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.

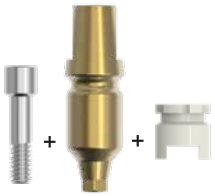


00584 00584/4 00584/6

FACILITY TRANSFER

For use of the standard tray holders with **closed-tray** technique. By tightening the transfer coping in the implant and positioning the plastic cap, it will be possible to obtain a precise positioning in the impression.

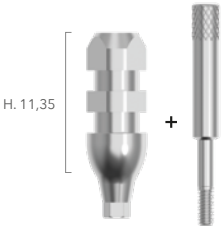
PLASTIC CAP
2 pcs pack
INN-00507



SHORT SET
metal transfer with plastic cap 00355
This code includes screw for transfer 00358/V

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.



HEX CONNECTION TRANSFER SET
00600TR

TRANSFER SCREW
00600TR/V

ANALOGUE

The analogues reproduce the implant connection and its location within the model. They must be carefully placed on the transfers within the impression before casting the plaster model.

ANALOG
00097AN/1

PROSTHETIC COMPONENTS

TITANIUM ABUTMENTS Ø 4

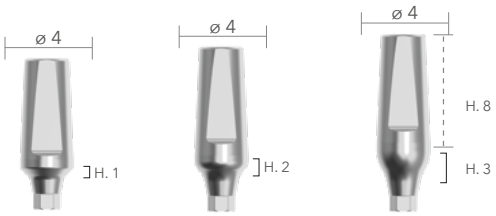
They are titanium components mainly used for cemented prosthesis in the front areas.

CHARACTERISTICS

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

STRAIGHT Ø 4

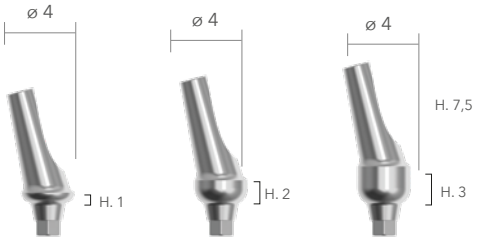
This code includes screw 00358/V



00358/1 00358/2 00358/3

ANGLED - 15° Ø 4

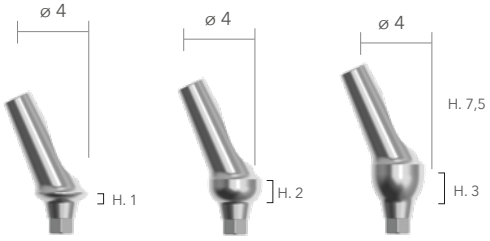
This code includes screw 00358/V



00370/14 00370/15 00370/16

ANGLED - 25° Ø 4

This code includes screw 00358/V



00371/24 00371/25 00371/26

00358/V

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 implant driver external hexagon is aligned with the internal hexagon.

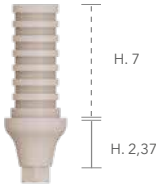
TEMPORARY ABUTMENT SLIM IN PEEK

These abutments are to be used for medium- to long-term temporary prostheses.

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

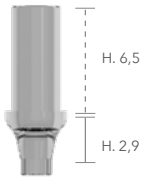
CASTABLE ABUTMENT Ø 4

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

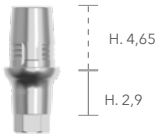
TI-BASE CEREC (S LINE)

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

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 S.r.l.

00358/V

TIGHTENING:
Recommended tightening: 20 Ncm. Check the tightening forces and procedures on pages 11-12.

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

SLIM SCAN DIGITAL FLOW

The digital components are specifically designed to be used with scanner and printer. Contact us to request libraries.

SLIM TI-LINK

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

CHARACTERISTICS

- Less need for touching-up thanks to 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

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

3D ANALOGUES

The 3D analogues are equipped with a screw for fixing and removing them from their seat in the printed model.

IMPORTANT NOTE

It is necessary to prepare B. & B. Dental libraries to use these components. You will find the software libraries in the download section of our website. Please contact us for further support.

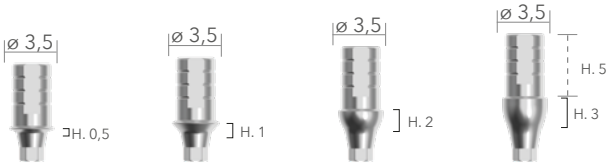
This code includes screw 00358/V

SLIM SCANBODY
SL-SCAN-2-NR

00358/V

NON-SWIVELLING BASE

This code includes screw 00358/V



00652 00652/1 00652/2 00652/3

SWIVELLING 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 for DESS holders on request

SL-CF2122 Titanium
SL-CB2122 Chromium-Cobalt

SL-CF2124 Titanium
SL-CB2124 Chromium-cobalt

This code includes screw 3D-02

SLIM 3D ANALOG
3D-0097AN/1

FLAT ANCHORING SYSTEM

FLAT ABUTMENTS

Flat abutments are screwed directly onto the implant and are ideal for the reconstruction of entire arches. Their design allows flexibility in cases of divergent conditions between implants, in fact they allow the axis of withdrawal for convergent and divergent implants to be maintained at no more than 15°. These abutments simulate the external connection. Suitable for:
-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
00578/SHORT

FLAT
SL-00669

FLAT
SL-00669/3

FLAT
SL-00669/4

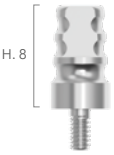
HEALING SCREW

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

TRANSFER

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

ANALOGUE

The analogues reproduce the implant connection and its location within the model. They must be carefully placed on the transfers within the impression before casting the plaster model.

FLAT ANALOG
INN-00736

FLAT ABUTMENTS

These abutments must be fixed onto FLAT abutments to build structures.

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

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

FLAT DIGITAL FLOW

The digital components are specifically designed to be used with scanners and printers.

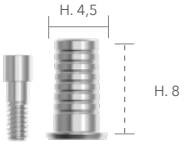
FLAT SCAN

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

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

FLAT TI-LINK

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



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

SHORT FLAT BASE
3D-00687/1
This code includes screw INN-00690

TI-LINK BASES FOR FLAT FOR INCLINED HOLE

It is provided to allow the creation of crowns featuring an inclined screw hole. The base code 3D-00687/1 can be used for inclined holes, by separately purchasing screw code 3D-16.

SCREW FOR INCLINED HOLE
3D-16

3D ANALOGUES

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

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

TIGHTENING:
Recommended tightening: 15 Ncm. Check the tightening forces and procedures on pages 11-12.

IMPORTANT NOTE

To use these components, it is necessary to have B&B Dental libraries, which are available in the “download” section of our website. Contact us for further support.

BALL ANCHORING SYSTEM

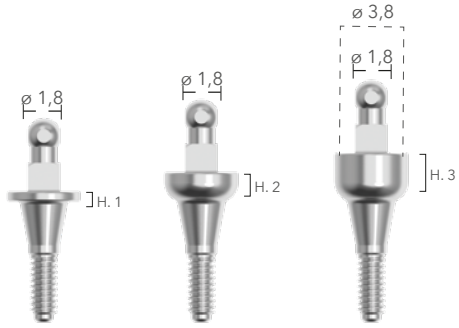
BALL ABUTMENTS

These abutments allow fastening mobile prostheses in lower and upper jaws. Moreover, special surgical instruments are required, also suitable for placing the DURA-VIT MINI IMPLANTS.

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.

Ø 1.8 BALL ABUTMENT



00589/1 | 00589/2 | 00589/3

LABORATORY AND SURGICAL INSTRUMENTS

WING KEY
MD-3002

RATCHET DRIVER (Short)
MD-3003S

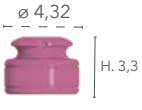
RATCHET DRIVER (Long)
MD-3003L

BALL ANALOGUE
MD-3007

Ø 1.8 PLASTIC CAPS AND METAL PROSTHESIS MATRICES

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

LOW RETENTION
MD-3004/1



MEDIUM RETENTION
MD-3004

HIGH RETENTION
MD-3004/2

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

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

ELASTIC*
049PCM (6 pieces)

SOFT*
040CRM SN (6 pieces)

EXTRA SOFT*
060CRM AY (6 pieces)

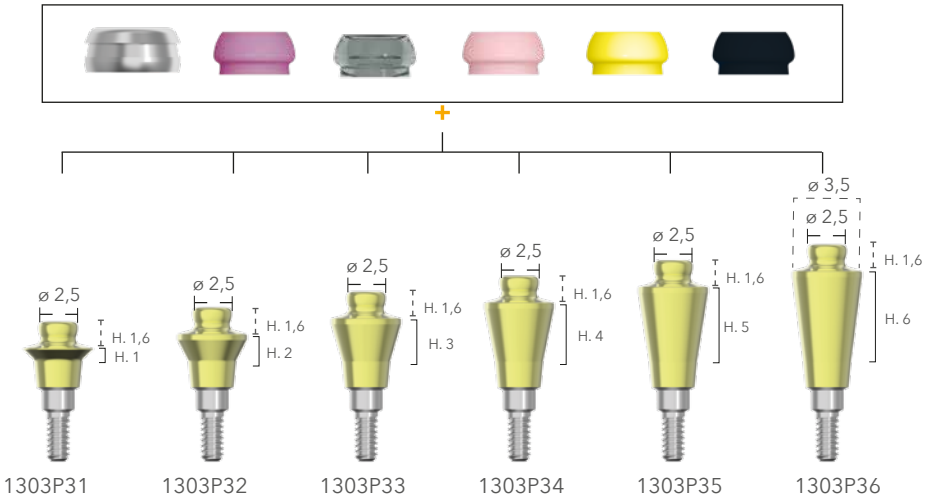
METAL HOUSING*
041CAM (2 pieces)

*Distributed by B. & B. Dental S.r.l. S.r.l.

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 *

SMART BOX HOUSING WITH BLACK POSITIONING CAP
330SBE*

S/STEEL HOUSINGS FOR CAPS
141CAE* (2 pieces)

VIOLET CAPS (STRONG RETENTION)
140CEV* (4 pieces)

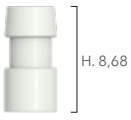
WHITE CAPS (STANDARD RETENTION)
140CET* (4 pieces)

PINK CAPS (SOFT RETENTION)
140CER* (4 pieces)

YELLOW CAPS (EXTRASOFT RETENTION)
140CEG* (4 pieces)

LAB ACCESSORIES *

LABORATORY CAPS - BLACK
140CEN* (4 pieces)



IMPRESSION COPINGS
144MTE* (2 pieces)

LAB ANALOGUES
144AE* (2 pieces)

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

SURGICAL INSTRUMENTS AND DRIVERS *

1 METAL INSERTION TOOL FOR CAPS
185IAC*

1 MULTI-PURPOSE BLUE DRIVER
124ICP*

1 SQUARE DRIVER CONNECTOR FOR CONTRA-ANGLE
760CE*

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

TIGHTENING:
Check the tightening instructions provided by the manufacturer in the specific package insert.

*Distributed by B. & B. Dental S.r.l.

MINI IMPLANTS

The DURA-VIT MINI implant line is supplied with implant solutions for most of the clinical implantology needs.
Mini implants are single-phase implants with a ball or square head 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.

04. MINI IMPLANTS

DURA-VIT MINI BALL AND SQUARE HEAD

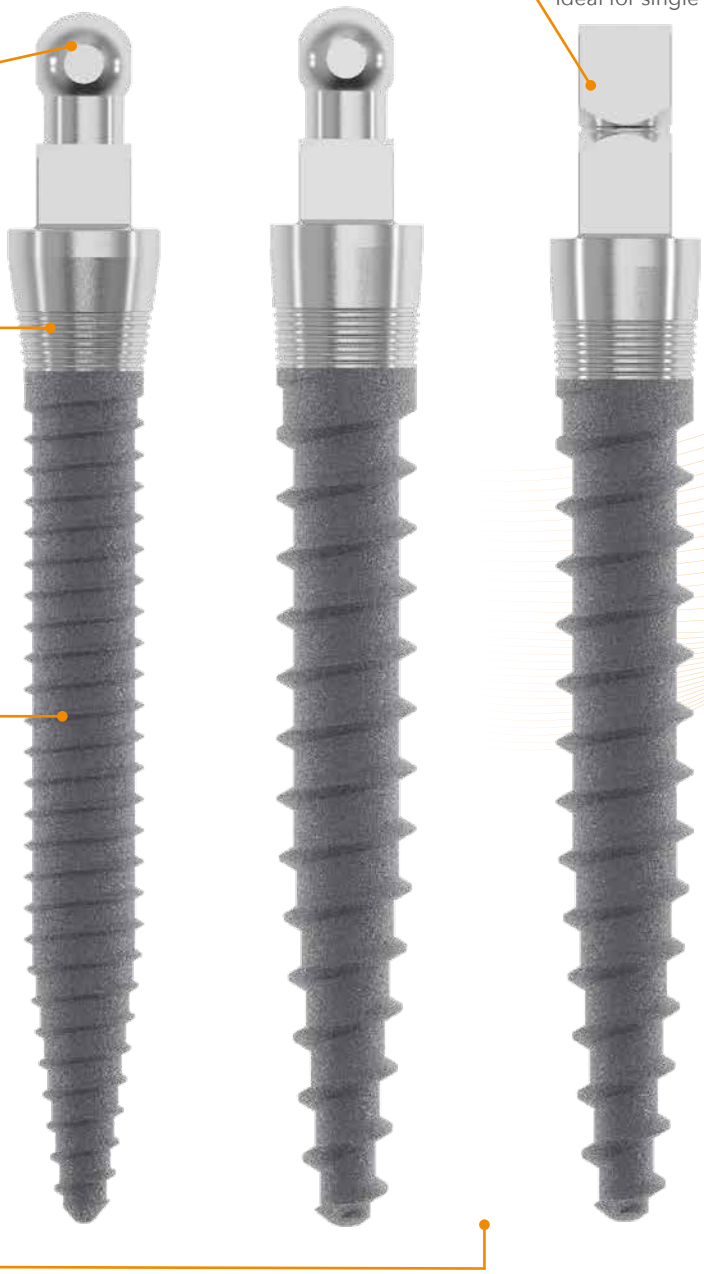
ANTI-ROTATION HEAD
Ideal for single tooth implants

BALL HEAD
To ensure prosthesis immediate and long-lasting retention by means of retention caps or O-rings

STANDARD TRANSMUCOSAL PATH
One, standard size

NARROW SPIRAL THREAD
Suitable for hard bones, easy placement

WIDE SPIRAL THREAD
Suitable for spongy bone.

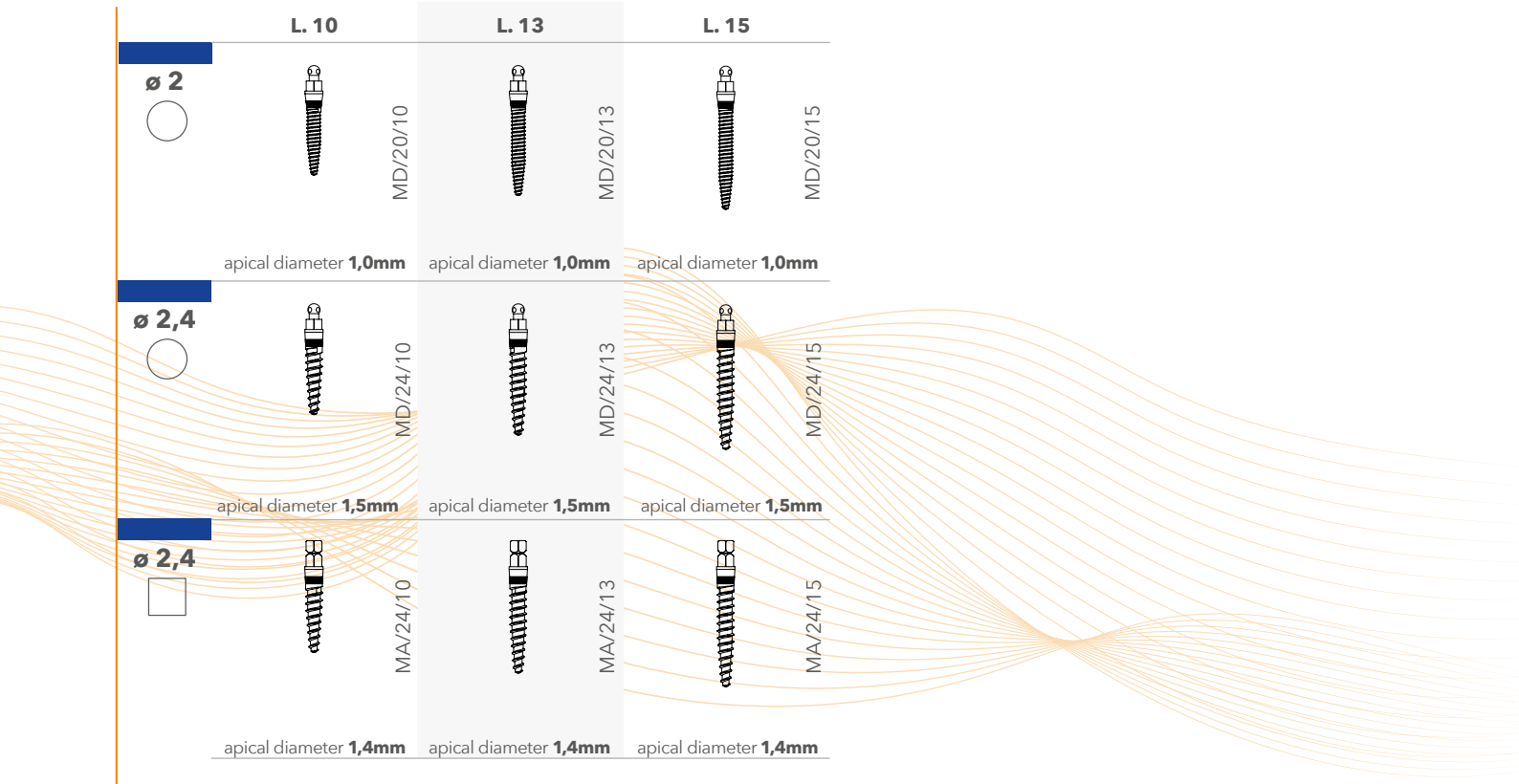


MINI LINE

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.

MINI • LINE



The package of round-head implants (MD/20/10, MD/20/13, MD/20/15, MD/24/10, MD/24/13, MD/24/15) includes the cap and a medium retention o-ring (MD-3004)

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

ANALOGUE

The analogues reproduce the implant connection and its location within the model. They must be carefully placed on the transfers within the impression before casting the plaster model.

BALL HEAD ANALOGUE
MD-3007

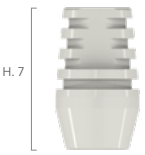
TRANSFER

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

CAP FOR IMPRESSION
MD-3014

STRAIGHT ABUTMENTS

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



TEMPORARY CAP MD-3013
STRAIGHT

ABUTMENT
MD-3010

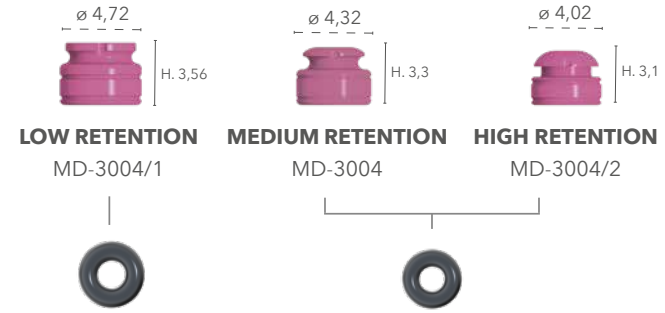
PVC PROTECTION

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

PVC PROTECTION
MD-3008
(5 PIECES)

Ø 1.8 PLASTIC CAPS AND METAL PROSTHESIS MATRICES

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



LOW RETENTION
MD-3004/1

MEDIUM RETENTION
MD-3004

HIGH RETENTION
MD-3004/2

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

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

PROSTHETIC COMPONENTS FOR SQUARE HEAD

ANALOGUE

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

SQUARE HEAD ANALOGUE
MA-1007

TRANSFER/CASTABLE, SQUARE HEAD

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

CASTABLE
MD-3006

SURGICAL SETS & INSTRUMENTS

The same care and attention that B&B Dental puts into the production of dental implants is also dedicated to the design of a whole range of surgical sets ready for clinical use. Sets are specifically designed to support the dentists in their daily practice, in performing the main surgical techniques related to the DURA-VIT line: classic and guided implantology, sinus lifting, for the different B&B Dental lines. Surgical instruments are also available individually.

05.
SETS AND INSTRUMENTS

COMPLETE SURGICAL SET

FOR 3P/EV/SL -DURA-VIT LINE

DRIVER FOR PLACING SLIM IMPLANTS
00578/L

COUNTERSINK DRILLS
NECK-334
NECK-354
NECK-455

DRIVER FOR PLACING MPLANTS
INN-00581 INN-00581/L
INN-00590/2 INN-00590/1

PARALLEL PINS
00441T

PROSTHETIC SCREWDRIVERS
INN-61000L
INN-61000

MANUAL KEY
3P-00090CM

SURGICAL EXTENDER
00236N

LONG EXTRACTOR TOOL
INN-6161L

LANCE DRILL
147-021

UNIVERSAL RATCHET
00376

TAPER DRILLS
00074CUT 00075CUT 3P-35CUT
3P-40CUT 3P-45CUT 3P-50CUT

COMPACTORS
201-3P 281-3P
331-3P 381-3P
431-3P 481-3P

STOP
STOP06 STOP01 STOP07
STOP02 STOP08 STOP03
STOP09 STOP04

REF. **3P-00092SC** — Surgical instrument organiser

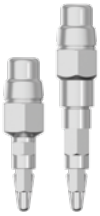
Surgical extender	Ref. 00236N
Lance drill	Ref. 147-021
Depth drill Ø 2.1	Ref. 00074CUT
Conical drill Ø 3.0	Ref. 00075CUT
Conical drill Ø 3.5	Ref. 3P-35CUT
Conical drill Ø 4.0	Ref. 3P-40CUT
Conical drill Ø 4.5	Ref. 3P-45CUT
Conical drill Ø 5.0	Ref. 3P-50CUT
Compactor-expander Ø 2.1	Ref. 201-3P
Compactor-expander Ø 3.0	Ref. 281-3P
Compactor-expander Ø 3.5	Ref. 331-3P
Compactor-expander Ø 4.0	Ref. 381-3P
Compactor-expander Ø 4.5	Ref. 431-3P
Compactor-expander Ø 5.0	Ref. 481-3P
Countersink drill Ø 3.0/3.4	Ref. NECK-334
Countersink drill Ø 3.5/4.0	Ref. NECK-354
Countersink drill Ø 4.5/5.0	Ref. NECK-455
Metal stopper L. 6.5 mm	Ref. STOP06
Metal stopper L. 8.0 mm	Ref. STOP01
Metal stopper L. 9.0 mm	Ref. STOP07
Metal stopper L. 10 mm	Ref. STOP02
Metal stopper L. 11 mm	Ref. STOP08
Metal stopper L. 12 mm	Ref. STOP03
Metal stopper L. 13 mm	Ref. STOP09
Metal stopper L. 14 mm	Ref. STOP04
Parallel pins (3 pcs)	Ref. 00441T
Torque ratchet driver SLIM (long)	Ref. 00578/L
Contra-angle driver (short)	Ref. INN-00581
Contra-angle driver (long)	Ref. INN-00581/L
Torque ratchet driver (long)	Ref. INN-00590/2
Torque ratchet driver (short)	Ref. INN-00590/1
Prosthetic screwdriver (long)	Ref. INN-61000L
Prosthetic screwdriver (short)	Ref. INN-61000
Universal ratchet	Ref. 00376
Straight manual key	Ref. 3P-00090CM
Extractor (long)	Ref. INN-6161L

SIMPLIFIED SURGICAL SET

FOR 3P/EV/SL -DURA-VIT LINE

COUNTERSINK DRILLS
NECK-334
NECK-354
NECK-455

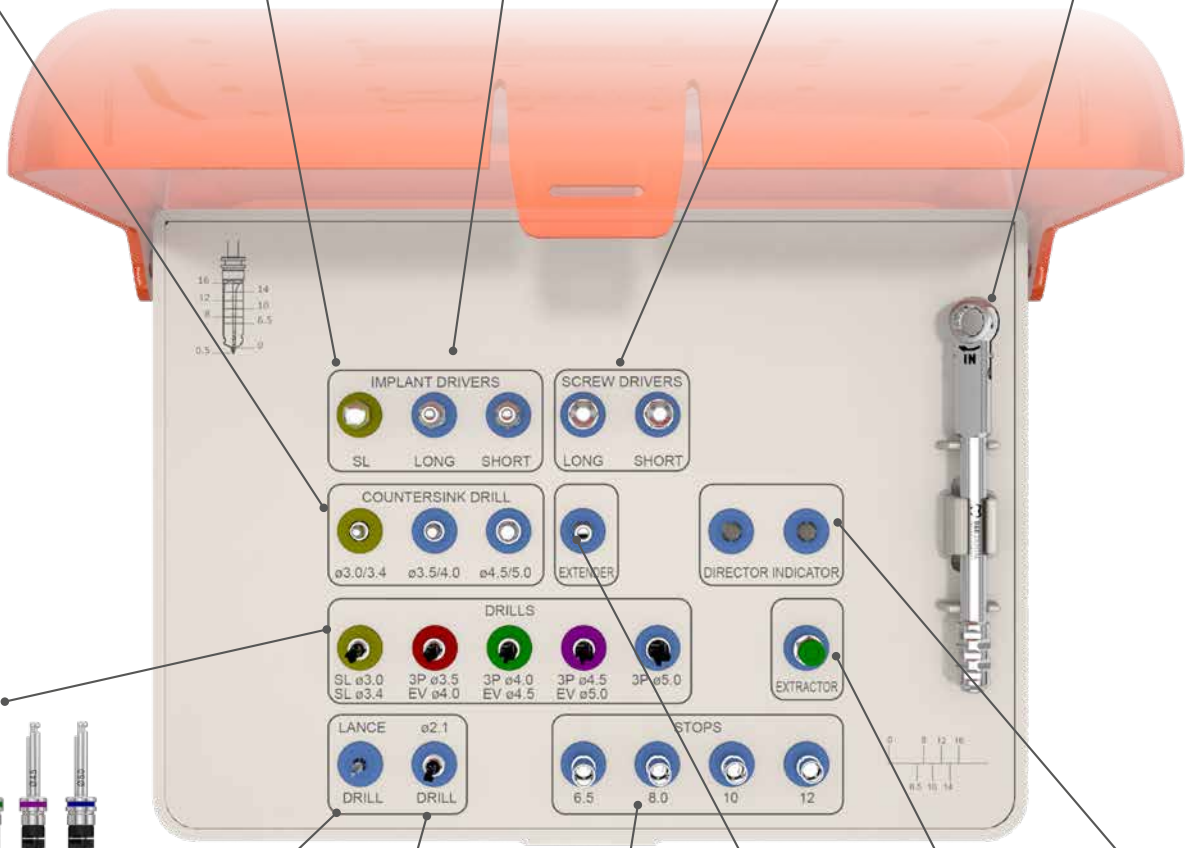
DRIVER FOR PLACING SLIM IMPLANTS
00578/L



DRIVERS FOR IMPLANTS
INN-00590/2
INN-00590/1

PROSTHETIC SCREWDRIVERS
INN-61000L
INN-61000

UNIVERSAL RATCHET*
00376



TAPER DRILLS
00075CUT 3P-35CUT
3P-40CUT 3P-45CUT
3P-50CUT

LANCE DRILL
147-021

DRILL Ø 2.1
00074CUT

STOP
STOP06 STOP01
STOP02 STOP03

SURGICAL EXTENDER
00236N

LONG EXTRACTOR TOOL
INN-6161L

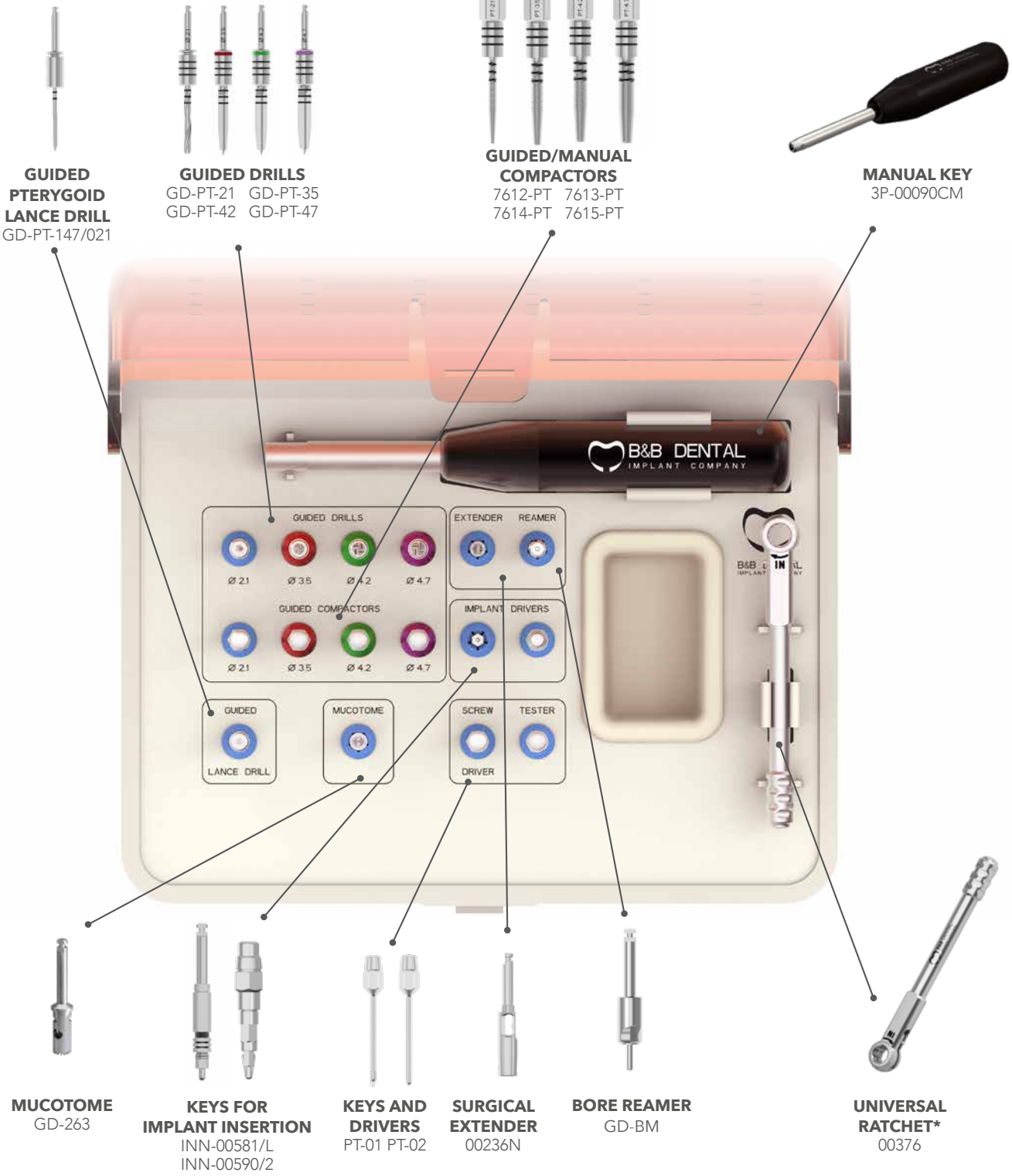
PARALLEL PINS
00441T

REF. 3P-00095SC

Simplified surgical kit organiser

Lance drill	Ref. 147-021
Depth drill Ø 2.1	Ref. 00074CUT
Metal stopper L. 6.5 mm	Ref. STOP06
Metal stopper L. 8.0 mm	Ref. STOP01
Metal stopper L. 10.00 mm	Ref. STOP02
Metal stopper L. 12.00 mm	Ref. STOP03
Conical drill Ø 3.0	Ref. 00075CUT
Conical drill Ø 3.5	Ref. 3P-35CUT
Conical drill Ø 4.0	Ref. 3P-40CUT
Conical drill Ø 4.5	Ref. 3P-45CUT
Conical drill Ø 5.0	Ref. 3P-50CUT
Surgical extender	Ref. 00236N
Countersink drill Ø 3/3.4	Ref. NECK-334
Countersink drill Ø 3.5/4.0	Ref. NECK-354
Countersink drill Ø 4.5/5.0	Ref. NECK-455
Torque ratchet driver SLIM (long)	Ref. 00578/L
Torque ratchet driver (short)	Ref. INN-00590/1
Torque ratchet driver (long)	Ref. INN-00590/2
Prosthetic screwdriver (long)	Ref. INN-61000L
Prosthetic screwdriver (short)	Ref. INN-61000
Extractor (long)	Ref. INN-6161L
Parallel pins (2 pcs)	Ref. 00441T
Universal ratchet *can be purchased separately	Ref. 00376

SURGICAL SET FOR PTERYGO IMPLANTS



GUIDED PTERYGOID LANCE DRILL
GD-PT-147/021

GUIDED DRILLS
GD-PT-21 GD-PT-35
GD-PT-42 GD-PT-47

GUIDED/MANUAL COMPACTORS
7612-PT 7613-PT
7614-PT 7615-PT

MANUAL KEY
3P-00090CM

MUCOTOME
GD-263

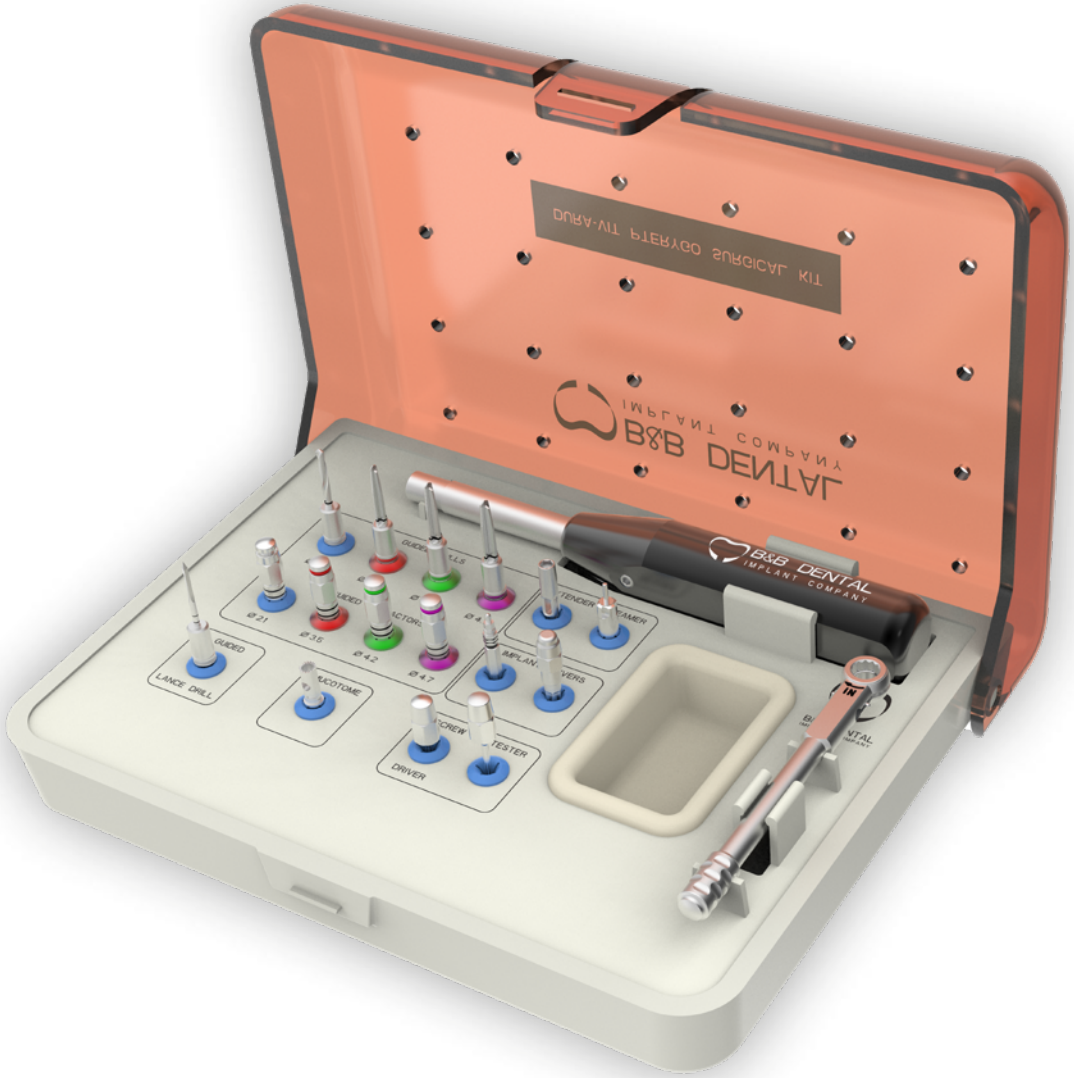
KEYS FOR IMPLANT INSERTION
INN-00581/L
INN-00590/2

KEYS AND DRIVERS
PT-01 PT-02

SURGICAL EXTENDER
00236N

BORE REAMER
GD-BM

UNIVERSAL RATCHET*
00376



REF. **PT-00092SC** — Pterygo implant surgical organiser

Guided pterygoid lance drill	Ref. GD-PT-147/021
Prosthetic key for Pterygo system ratchet	Ref. PT-01
Probe key for Pterygo system ratchet	Ref. PT-02
Guided pterygoid drill Ø 2.1	Ref. GD-PT-21
Guided pterygoid drill Ø 3.5	Ref. GD-PT-35
Guided pterygoid drill Ø 4.2	Ref. GD-PT-42
Guided pterygoid drill Ø 4.7	Ref. GD-PT-47
Guided/manual compactor Ø 2.1	Ref. 7612-PT
Guided/manual compactor Ø 3.5	Ref. 7613-PT
Guided/manual compactor Ø 4.2	Ref. 7614-PT
Guided/manual compactor Ø 4.7	Ref. 7615-PT

Manual key	Ref. 3P-00090CM
Mucotome	Ref. GD-263
Ratchet driver	Ref. INN-00590/2
Contra-angle driver	Ref. INN-00581/L
Surgical extender	Ref. 00236N
Bore reamer	Ref. GD-BM
Guided pterygoid lance drill	Ref. GD-PT-147/021
Universal ratchet *can be purchased separately	Ref. 00376

CRESTAL SINUS LIFT SURGICAL SET

DURA-VIT LINE

COMPACTORS

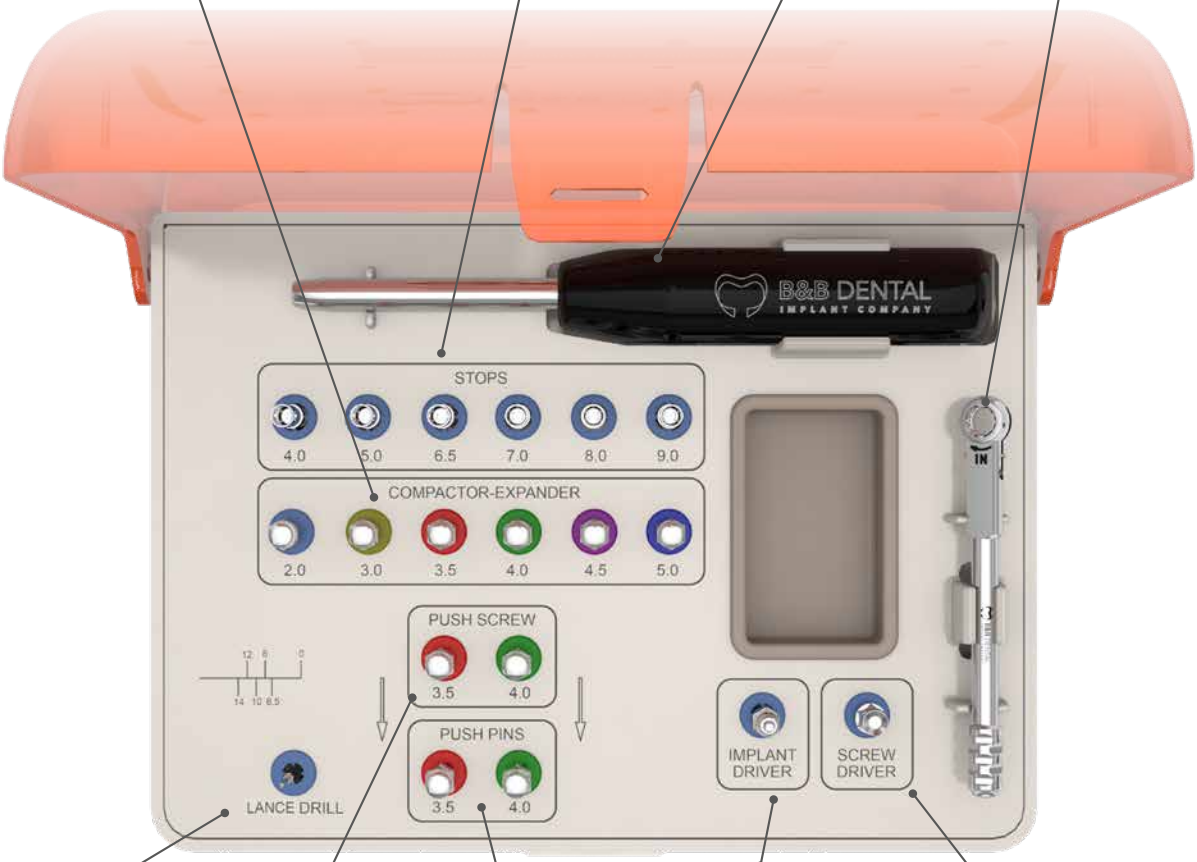
201-3P 281-3P
331-3P 381-3P
431-3P 481-3P

STOP

STOP12 STOP05 STOP06
STOP11 STOP01 STOP07

MANUAL KEY
3P-00090CM

UNIVERSAL RATCHET
00376*



LANCE DRILL
147-021

PUSH SCREW
SL-PS35 SL-PS40

PUSH PIN
SL-PP35 SL-PP40

DRIVER FOR PLACING IMPLANTS
INN-00590/2

SHORT DRIVER FOR PROSTHETIC SCREWS
INN-61000

REF. 3P-00093SC — Surgical organiser for sinus lifting technique

Lance drill	Ref. 147-021
Compactor-expander Ø 2.1	Ref. 201-3P
Compactor-expander Ø 3.0	Ref. 281-3P
Compactor-expander Ø 3.5	Ref. 331-3P
Compactor-expander Ø 4.0	Ref. 381-3P
Compactor-expander Ø 4.5	Ref. 431-3P
Compactor-expander Ø 5.0	Ref. 481-3P
Metal stopper L. 4.0 mm	Ref. Stop12
Metal stopper L. 5.0 mm	Ref. Stop05
Metal stopper L. 6.5 mm	Ref. Stop06
Metal stopper L. 7.0 mm	Ref. Stop11
Metal stopper L. 8.0 mm	Ref. Stop01
Metal stopper L. 9.0 mm	Ref. Stop07
Push pin Ø 3.5	Ref. SL-PP35
Push pin Ø 4.0	Ref. SL-PP40
Push screw Ø 3.5	Ref. SL-PS35
Push screw Ø 4.0	Ref. SL-PS40
Torque ratchet driver (long)	Ref. INN-00590/2
Manual key	Ref. 3P-00090CM
Prosthetic screwdriver (short)	Ref. INN-61000
Universal ratchet *can be purchased separately	Ref. 00376

SURGICAL SET FOR 3P LONG IMPLANTS

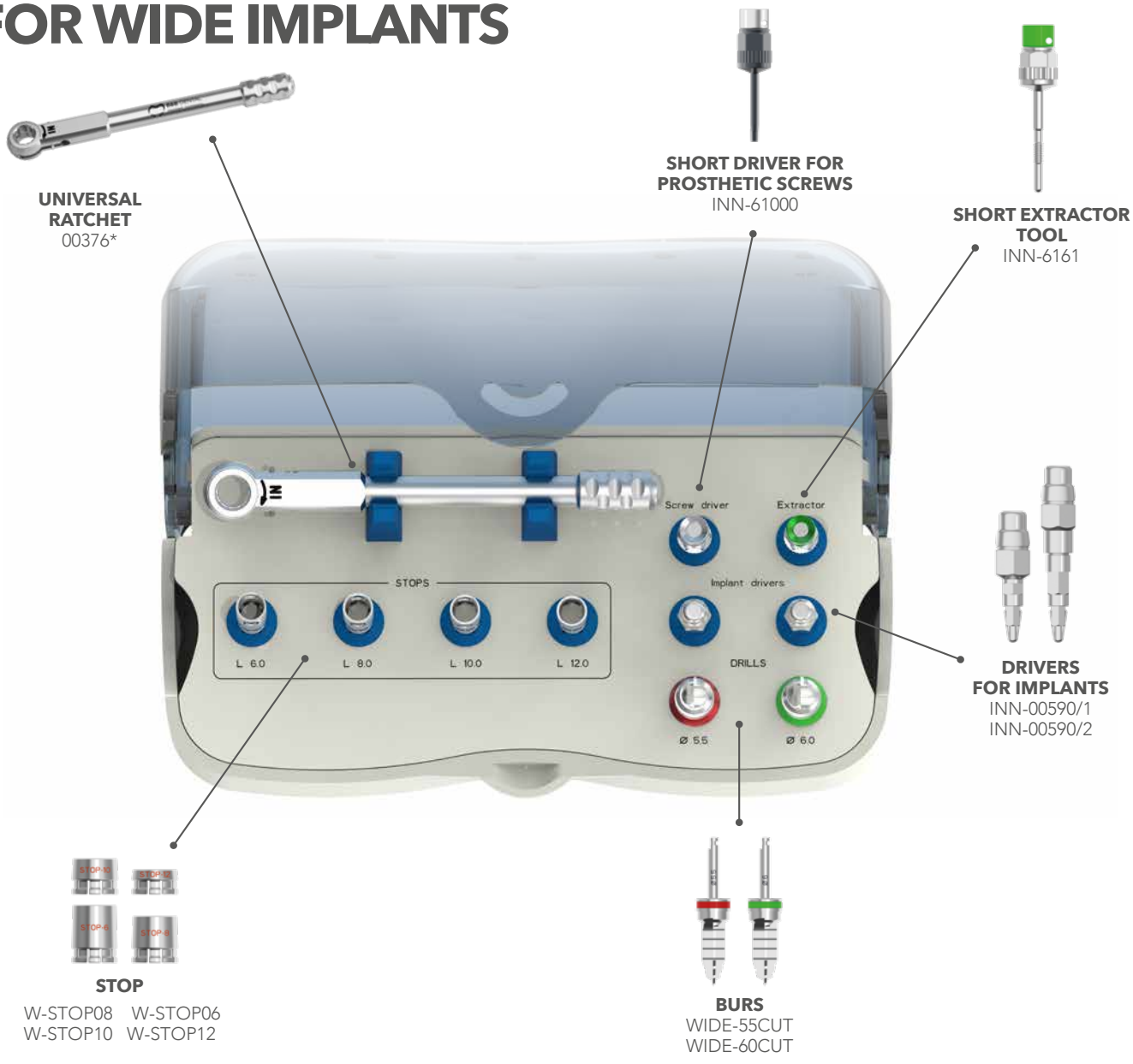
DRIVERS FOR IMPLANT PLACEMENT
INN-00581/L
INN-00590/1

DRILLS FOR DRIVING 3P LONG IMPLANTS
147-021/L 3P-25CUT
3P-35CUT/L 3P-40CUT/L

REF. 3P-00097SC — Implant surgical organiser length 18 / 20 / 22 / 24

Taper drill Ø 2.5 for implants L 18 / 20 / 22 / 24	Ref. 147-021/L
Taper drill Ø 3.5 for implants L 18 / 20 / 22 / 24	Ref. 3P-25CUT
Taper drill Ø 4.0 for implants L 18 / 20 / 22 / 24	Ref. 3P-35CUT/L
Lance drill for implants L 18 / 20 / 22 / 24	Ref. 3P-40CUT/L
Contra-angle driver (short)	Ref. INN-00581
Torque ratchet driver (short)	Ref. INN-00590/1

SURGICAL SET FOR WIDE IMPLANTS



REF. **WIDE-00092SC** — Wide implant surgical organiser

WIDE drill Ø 5.5	Ref. WIDE-55CUT	Extractor key (short)	Ref. INN-6161
WIDE drill Ø 6.0	Ref. WIDE-60CUT	Torque ratchet driver (short)	Ref. INN-00590/1
WIDE metal stopper L. 6 mm	Ref. W-STOP06	Torque ratchet driver (long)	Ref. INN-00590/2
WIDE metal stopper L. 8 mm	Ref. W-STOP08	Prosthetic screwdriver (short)	Ref. INN-61000
WIDE metal stopper L. 10 mm	Ref. W-STOP10	Universal ratchet	
WIDE metal stopper L. 12 mm	Ref. W-STOP12	*can be purchased separately	Ref. 00376

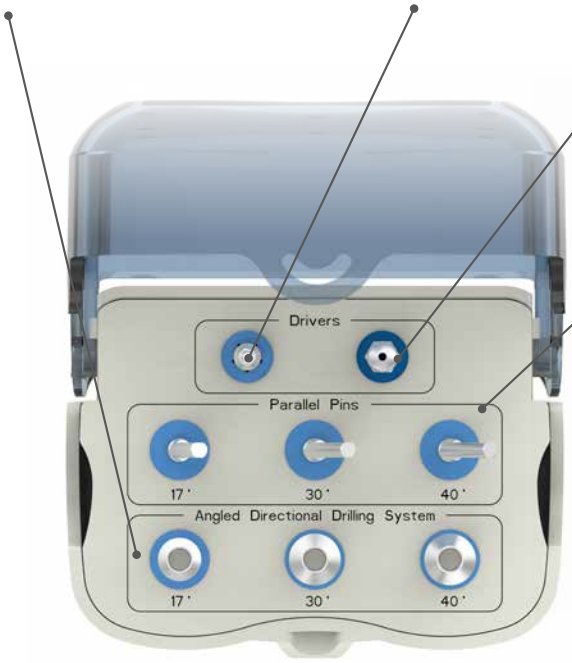
ANGLED IMPLANT SET

TOOLS FOR DRILLS FOR 17°/30°/40° IMPLANTS
ST17-10 ST30-10 ST40-10

CONTRANGLE MOUNTER FOR MONOBLOCK IMPLANT
INN-00535/L

MOUNTER FOR MUA ANGLED 17°/30° IMPLANTS (AND STRAIGHT MOUNTERS)
INN-00771

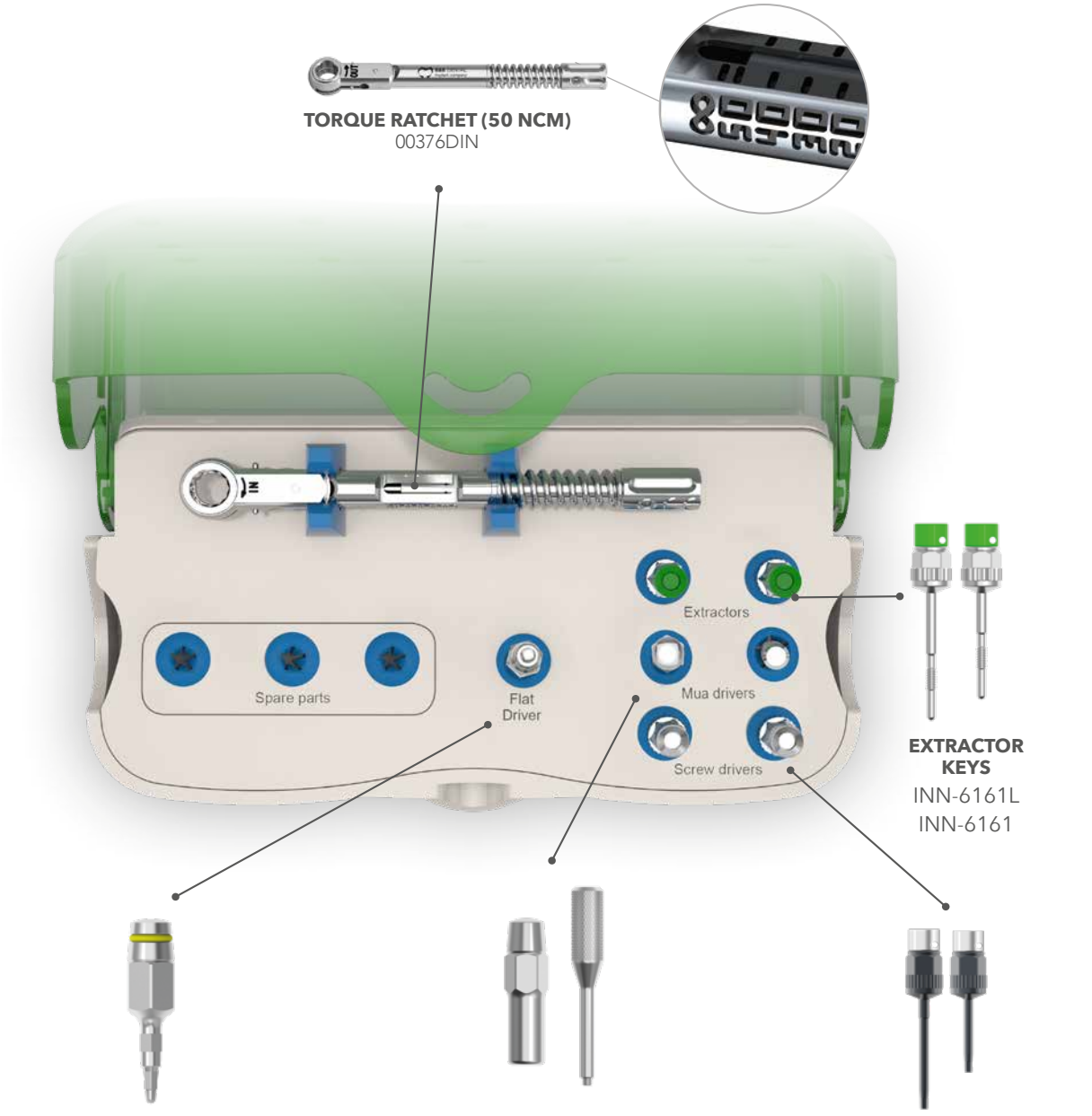
17°/30°/40° TITANIUM PARALLEL PIN
00441T/17 00441T/30 00441T/40



REF. 00098SC — Angled directional drilling organizer

Tool for drills for 17° angled implants	Ref. ST17-10
Tool for drills for 30° angled implants	Ref. ST30-10
Tool for drills for 40° angled implants	Ref. ST40-10
17° titanium parallel pin	Ref. 00441T/17L
30° titanium parallel pin	Ref. 00441T/30
40° titanium parallel pin	Ref. 00441T/40
Contrangle mounter for monoblock implant	Ref. INN-00535/L
Mounter for mua angled 17°/30° implants (and straight mounters)	Ref. INN-00771

PROSTHETIC SET



TORQUE RATCHET (50 NCM)
00376DIN

EXTRACTOR KEYS
INN-6161L
INN-6161

FLAT AND SLIM DRIVER
00578/SHORT

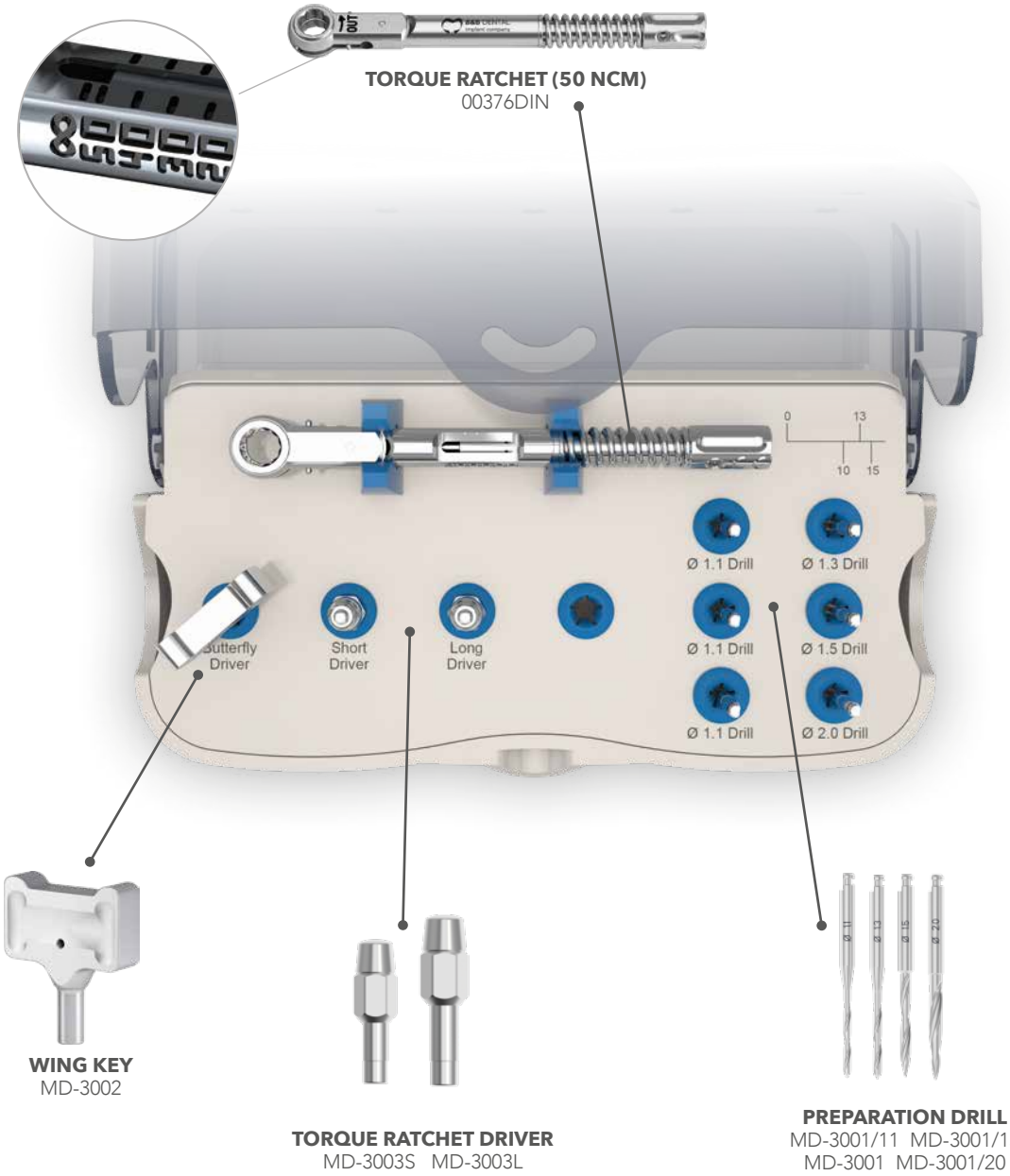
MUA DRIVERS
INN-00637
023-MUA

PROSTHETIC SCREWDRIVERS
INN-61000L
INN-61000

REF. PROSTHETIC KIT — Prosthetic instrument organiser

Torque ratchet (50 Ncm)	Ref. 00376DIN	Prosthetic screwdriver (short)	Ref. INN-61000
Flat and slim driver	Ref. 00578/SHORT	Prosthetic screwdriver (long)	Ref. INN-61000L
Straight MUA torque ratchet driver	Ref. INN-00637	Extractor (long)	Ref. INN-6161L
Angled MUA driver	Ref. 023-MUA	Extractor key (short)	Ref. INN-6161

SURGICAL SET FOR MINI IMPLANTS



REF. 00075SC — Surgical organiser for mini implants

Torque ratchet (50 Ncm)	Ref. 00376DIN
Preparation drill Ø 1.1	Ref. MD-3001/11
Preparation drill Ø 1.3	Ref. MD-3001/13
Preparation drill Ø 1.5	Ref. MD-3001
Preparation drill Ø 2	Ref. MD-3001/20
Torque ratchet driver (short)	Ref. MD-3003S
Torque ratchet driver (long)	Ref. MD-3003L
Wing key	Ref. MD-3002

SURGICAL AND LAB INSTRUMENTS

B. & B. Dental's complete surgical and lab instruments are also sold separately, in order to meet needs such as: replacing a specific instrument due to wear and tear; supplementing an instrument not included, being functional though for performing one's clinical practice.
Most surgical instruments are colour-coded and/or laser-marked for proper use and identification.

LABORATORY AND SURGICAL INSTRUMENTS

SURGICAL INSTRUMENTS

The **direction indicator** inserted into the surgically prepared site facilitates the direction of the subsequent perforation. The **parallel pin** verifies the correct direction of the inserted implant. The **mucotomes**, used with the low-speed contra-angle, allow piercing the mucosa according to the diameter of the chosen implant.

PARALLEL PIN
00441T

PARALLEL PIN FOR IMPLANT
00442

MUCOTOMES

00090BM	00091BM	00092BM	00093BM
ø 3 mm	ø 4 mm	ø 4.5 mm	ø 5 mm

INITIAL DRILLS

SURGICAL EXTENDER

It increases the drilling overall length 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.

IMPORTANT NOTE

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

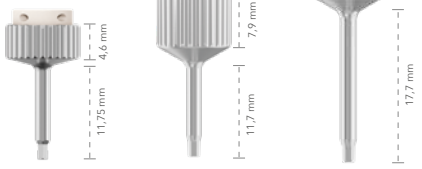
SURGICAL EXTENDER
00236N

LANCE BUR
147-021

BALL DRILL
000100

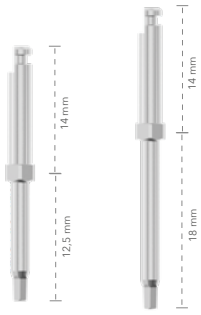
PROSTHETIC SCREWDRIVERS

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



MANUAL KEY

EXTRA-SHORT	SHORT	LONG
INN-00604S	INN-00604	INN-00604/L



CONTRA-ANGLE DRIVER

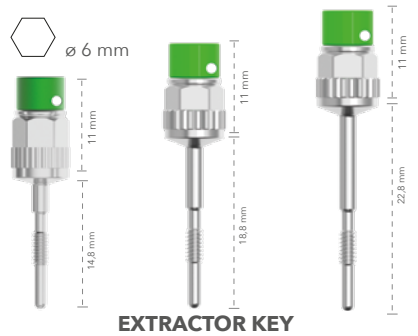
SHORT	LONG
INN-00602	INN-00602L

RATCHET DRIVER

EXTRA-SHORT	SHORT	LONG
INN-61000S	INN-61000	INN-61000L

EXTRACTORS

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



EXTRACTOR KEY

EXTRA-SHORT
INN-6161S

SHORT
INN-6161

LONG
INN-6161L

EXTRACTOR SCREW
INN-6060

PROSTHETIC EXTRACTORS

DRIVER FOR IMPLANT EXTRACTION
INN-6163

SURGICAL EXTRACTORS

RATCHETS AND MANUAL KEYS

- TORQUE COMPONENTS: The torque ratchet is ideal for implant insertion and for fixing prosthetic screws. The torque manual key measures primary stability values after compaction and can be used in the final stage of implant insertion in place of the straight manual key.
- FIXED COMPONENTS: The straight manual key is used for manual implant insertion without predefined torque, which is particularly useful in the anterior quadrant of the maxilla. The universal ratchet can be used in most cases.

TORQUE RATCHET 70N/CM
00377DIN*

ø 6 mm

TORQUE MANUAL KEY
0946896*
Product to be used only together with the straight torque key (Ref. 00378)

UNIVERSAL CONNECTION FOR TORQUE RATCHET
00376CON

STRAIGHT TORQUE KEY
00378*

TORQUE RATCHET 50 N/CM
00376DIN

DYNAMOMETRIC SYSTEM COMPONENTS

ø 6 mm

MANUAL KEY
3P-00090CM

UNIVERSAL RATCHET
00376

FIXED SYSTEM COMPONENTS

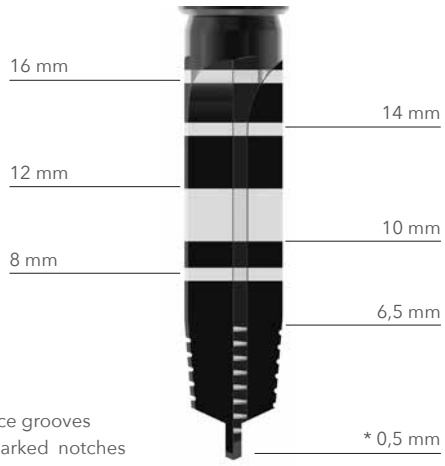
*Distributed by B. & B. Dental S.r.l.

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 4 laser-marked notches indicating depth.

IMPORTANT NOTE

The tip of the drill is 0.5 mm long.



Color code	ø 2,1	ø 3,0	ø 3,5	ø 4,0	ø 4,5	ø 5,0
Actual diameter	ø 2,1	ø 2,6	ø 3,1	ø 3,6	ø 4,1	ø 4,6
Ref	00074CUT	00075CUT	3P-35CUT	3P-40CUT	3P-45CUT	3P-50CUT

STANDARD 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 set

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

STOPPERS Ø 5

* not included in the set

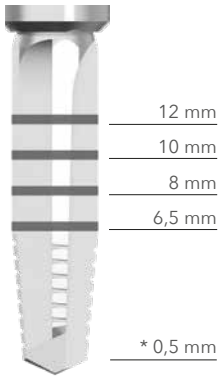
Length	06 mm	07 mm	08 mm	09 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm
Ref	STOP-506*	STOP-511*	STOP-501*	STOP-507*	STOP-502*	STOP-508*	STOP-503*	STOP-509*	STOP-504*	STOP-510*

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

The tip of the drill is 0.5 mm long.



Reference grooves
and laser-marked notches

Color code	ø 2,1	ø 3,0	ø 3,5	ø 4,0	ø 4,5	ø 5,0
Actual diameter	ø 2,1	ø 2,6	ø 3,1	ø 3,6	ø 4,1	ø 4,6
Ref	74SHORT	75SHORT	76SHORT	77SHORT	78SHORT	79SHORT**

STOPPERS FOR SHORT DRILLS

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

****NOTE**: these stoppers cannot be installed on the short conical drill with ø 5.0

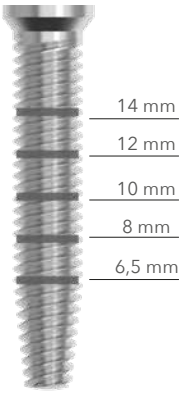
Length	06 mm	08 mm	10 mm
Ref	STOP-06S	STOP-08S	STOP-10S

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.



ADAPTOR FROM RATCHET TO CONTRANGLE
00377CON

Color code	ø 2,1	ø 3	ø 3,5	ø 4	ø 4,5	ø 5
Actual diameter	ø 2,0	ø 2,5	ø 3,2	ø 3,7	ø 4,2	ø 4,7
Ref	201-3P	281-3P	331-3P	381-3P	431-3P	481-3P

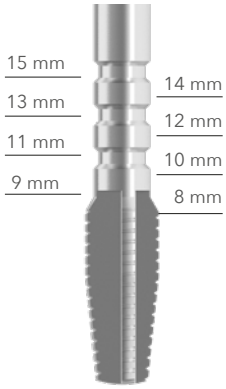
COUNTERSINK DRILLS

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

	ø 3,0/3,4	ø 3,5/4,0	ø 4,5/5,0
Actual diameter	ø 3,0/3,4	ø 3,5/4,0	ø 4,5/5,0
Ref	NECK-334	NECK-354	NECK-455

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.



ADAPTOR FROM RATCHET TO CONTRANGLE
00377CON

Color code	ø 3	ø 3,5	ø 4	ø 4,5	ø 5
Actual diameter	ø 3,0	ø 3,5	ø 4,0	ø 4,5	ø 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.

BONE REAMER GD-BM

Implant covered by the bone

Bone removal by bone reamer

Removed bone to help abutment insertion

Placed abutment

IMPLANT PLACEMENT

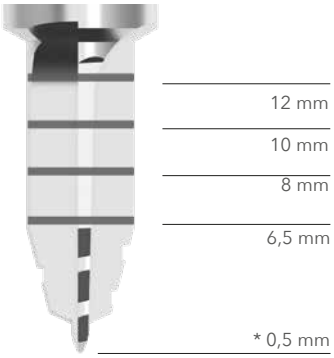
In order to obtain the best possible results from the healing process, it is important to place the implant 1 or 1.5 mm below the crestal level and never above it. B. & B. Dental implants have been designed and treated to allow the perimetral bone to carry out proliferation and osseointegration also 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's also possible without using the stops, by paying 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 during the preparation of the implant site length.
- Presence of 4 laser-marked notches indicating depth.

IMPORTANT NOTE

The tip of the drill is 0.5 mm long.



Color code	ø5.5	ø 6
Actual diameter	ø 5,0	ø 5,5
Ref	WIDE-55CUT	WIDE-60CUT

WIDE STOPPERS

Stoppers ensure easy and accurate preparation of implant site depth.

- Laser marking for immediate length identification.
- Easy and quick to install.

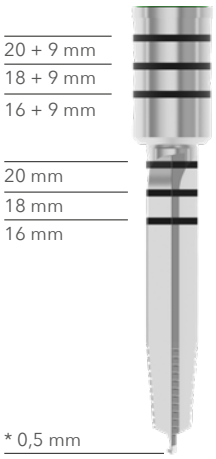
Length	06 mm	08 mm	10 mm	12 mm
Ref	W-STOP06	W-STOP08	W-STOP10	W-STOP12

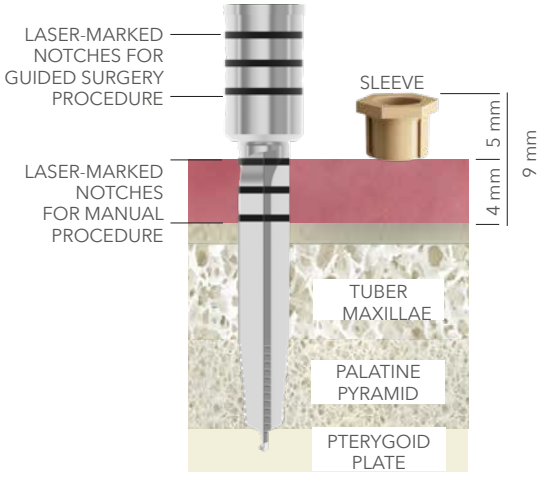
PTERYGO DRILLS

- Pterygo drills are available in sequential diameters (from 2.1 to 4.7 mm).
- Pterygo drills allow the insertion of implants with length 16, 18, 20 mm.
- Made of surgical metal, they must be used with external irrigation.
- The multi-blade drill's grooves help when preparing the implant site length.
- Pterygo drills can be used both for guided surgery technique (laser-marked notches on the cylindrical upper part of the drill) and for manual technique (laser-marked notches on the grooves).

IMPORTANT NOTE

The tip of the drill is 0.5 mm long.

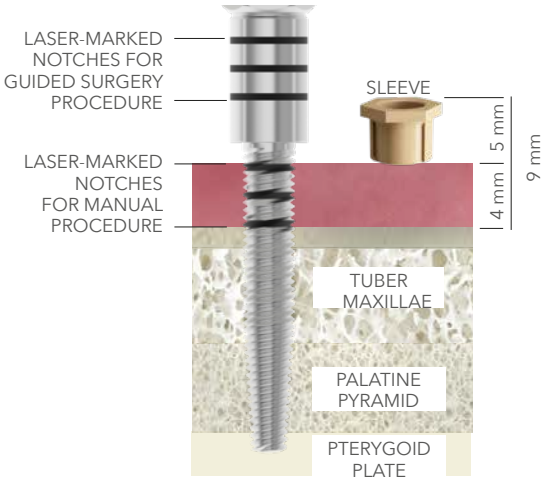




Color code	ø 2,1	ø 3,5	ø 4,2	ø 4,7
Actual diameter	ø 2,1	ø 3,15	ø 3,65	ø 4,15
Ref	GD-PT-21	GD-PT-35	GD-PT-42	GD-PT-47

COMPATTATORI PTERYGO

- Pterygo compactors are available in sequential diameters (from 2.1 to 4.7 mm).
- Pterygo compactors can be used in procedures for the insertion of implants with length 16, 18, 20 mm.
- Made of surgical metal.
- The laser-marked notches on the grooves help when preparing the implant site length.
- Pterygo compactors can be used both for guided surgery technique (laser-marked notches on the cylindrical upper part of the compactor) and for manual technique (laser-marked notches on the grooves).



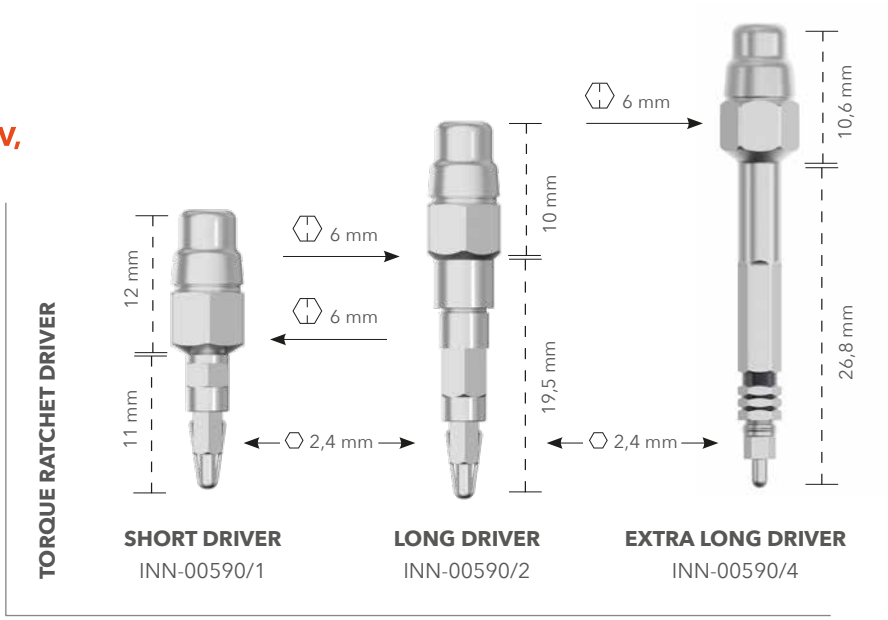
IMPORTANT NOTE

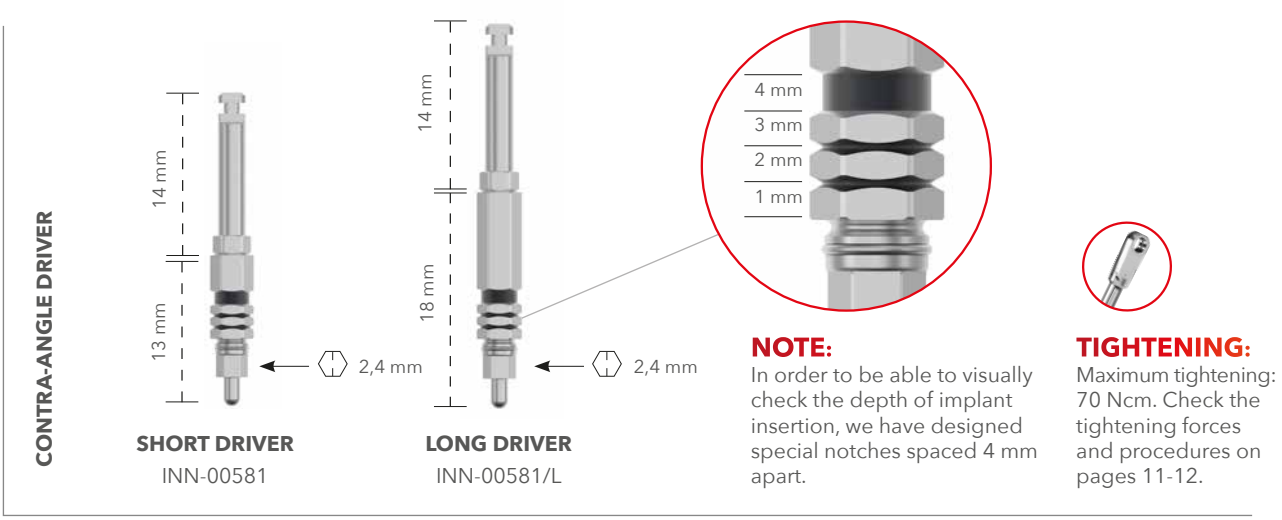
You can check the full procedure on page 103.

Color code	ø 2,1	ø 3,5	ø 4,2	ø 4,7
Actual diameter	ø 2,15	ø 3,2	ø 3,7	ø 4,2
Ref	7612-PT	7613-PT	7614-PT	7615-PT

DRIVER FOR PLACING 3P, EV, WIDE, PTERYGO IMPLANTS

- Hardened steel drivers for implant insertion.
- The upper hexagon of the driver is aligned with the lower hexagon, which fits inside the implant connection. During the insertion and the final placement of the implant, this structure allows an immediate understanding of the correct position of angled abutments.



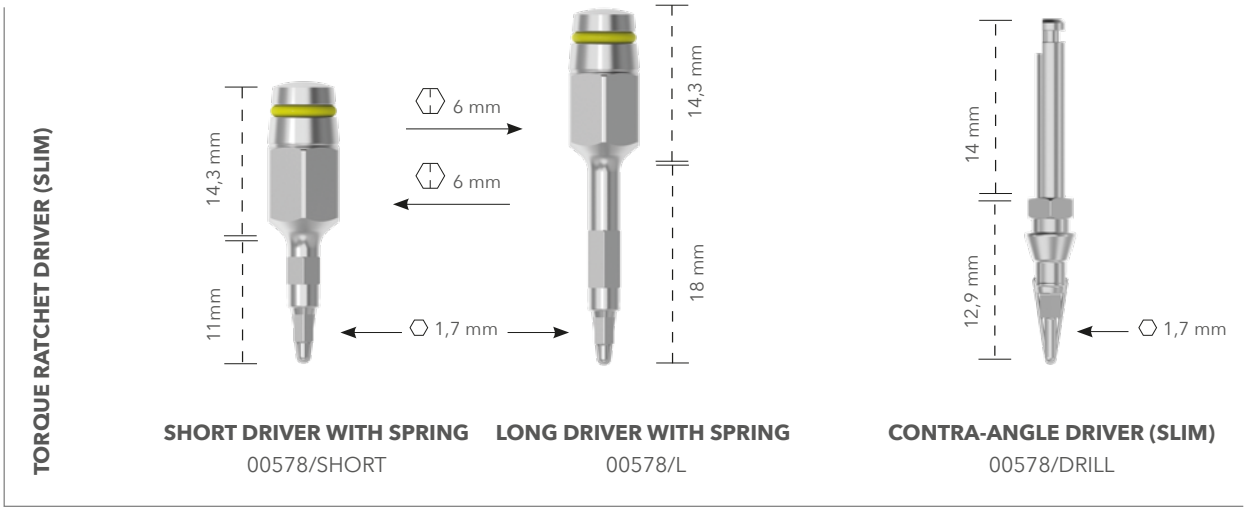


NOTE:
In order to be able to visually check the depth of implant insertion, we have designed special notches spaced 4 mm apart.

TIGHTENING:
Maximum tightening: 70 Ncm. Check the tightening forces and procedures on pages 11-12.

DRIVERS FOR PLACING SLIM IMPLANTS

- Hardened steel drivers for the final placing of implants.
- Driver external hexagon is aligned with the internal hexagon. During the implant insertion and the final placing of the implant, this structure allows to obtain easily the proper position of the angled abutments.

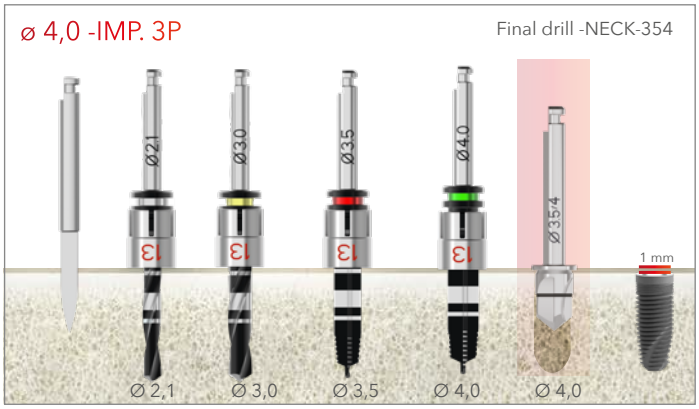


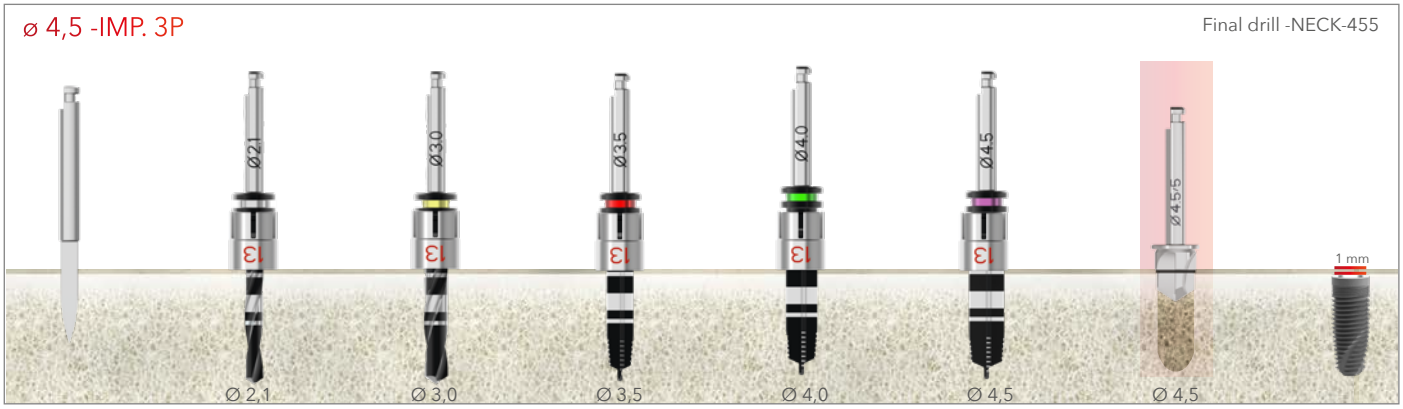
SURGICAL PROTOCOLS

3P DRILLING PROCEDURE

SUITABLE FOR USE IN HARD BONE (D1-D2)

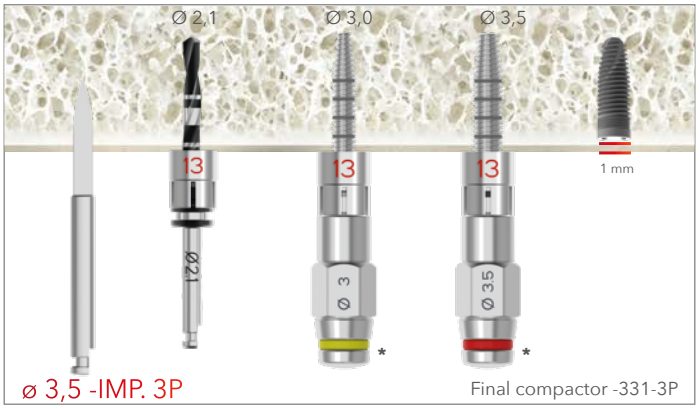
An efficient and atraumatic implant site preparation is created through a procedure relying on a gradual drilling technique. The whole stage of bone tissue drilling must be performed under an abundant external irrigation with saline or, preferably, sterile distilled water. Furthermore, drilling must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

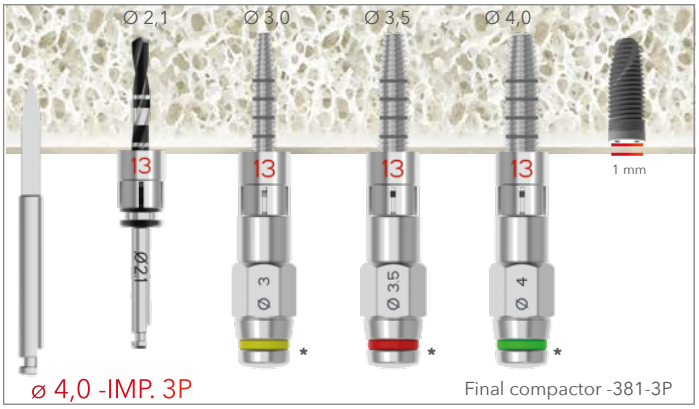


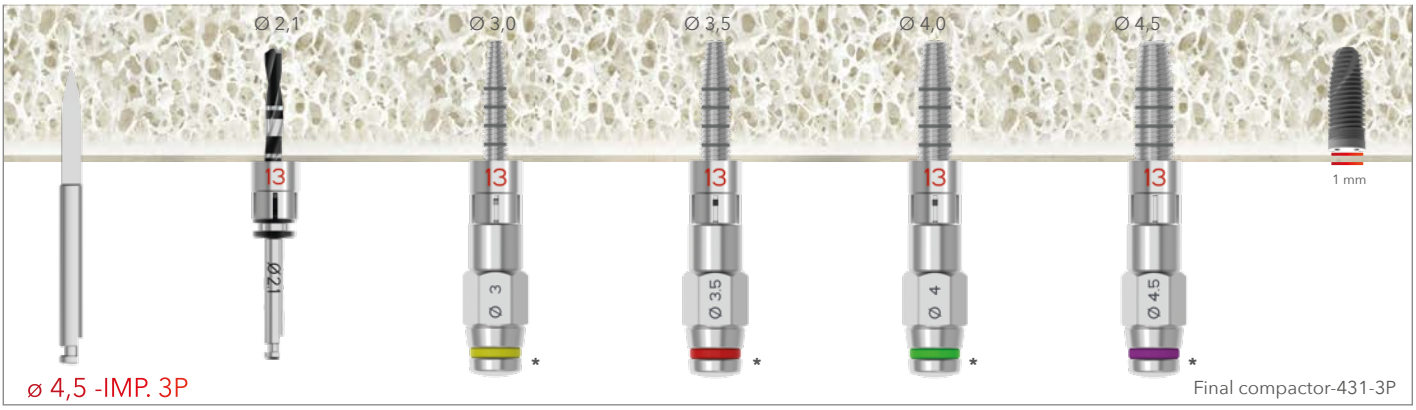


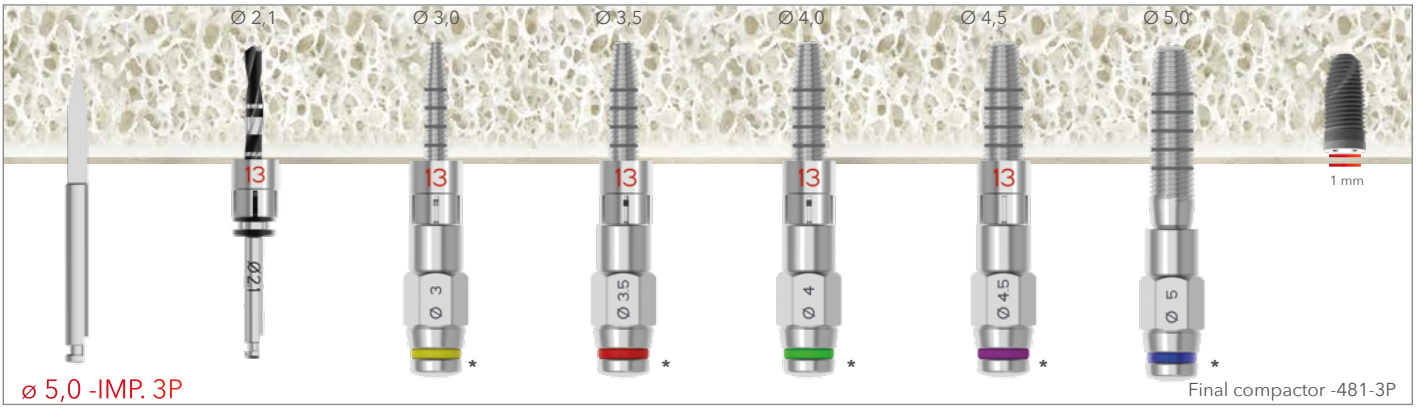
SUITABLE FOR USE IN SOFT BONE (D3-D4)

Compactor-expander of the DURA-VIT system are a valid alternative to osteotomes for maxillary expansion and condensation during the the implant site preparation. 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.







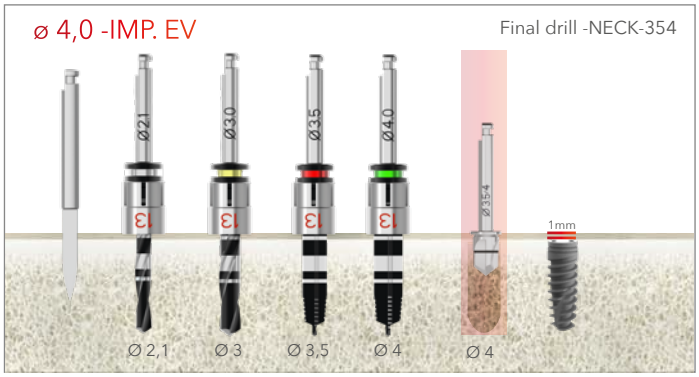


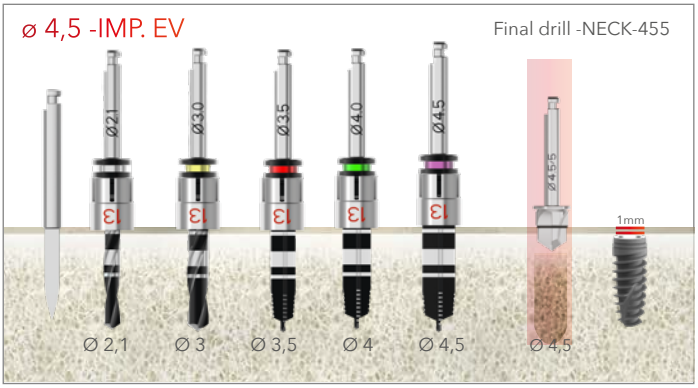
***NOTE**: It can be used with the contra-angle key shown on page 93.

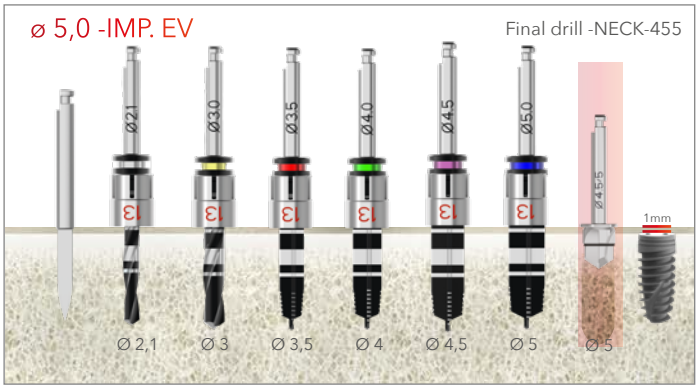
EV DRILLING PROCEDURE

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.

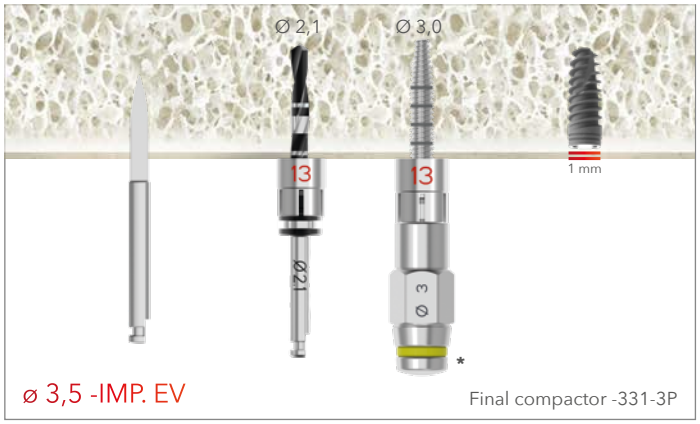


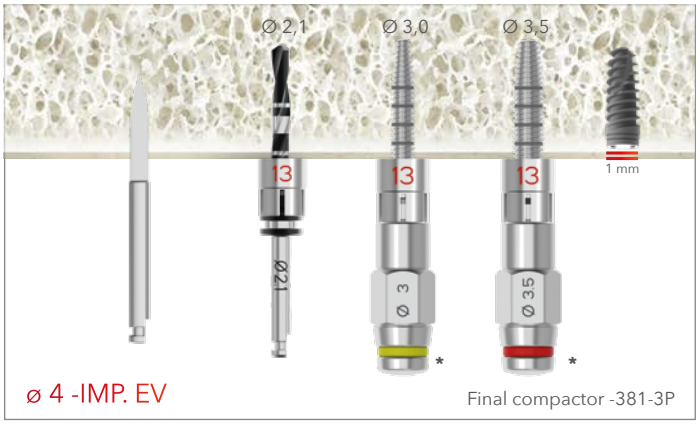




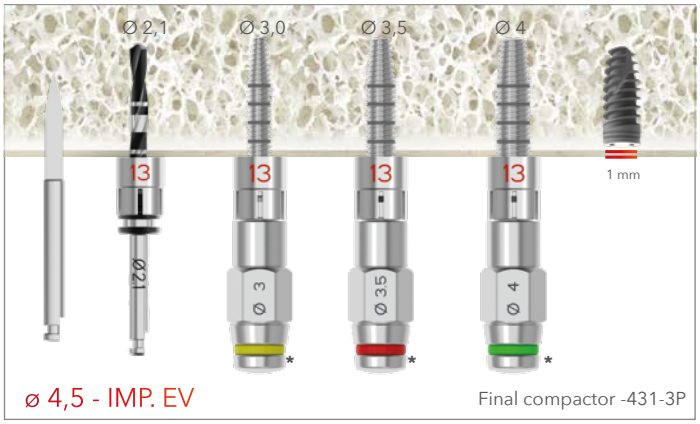
SUITABLE FOR USE IN SOFT BONE (D3-D4)

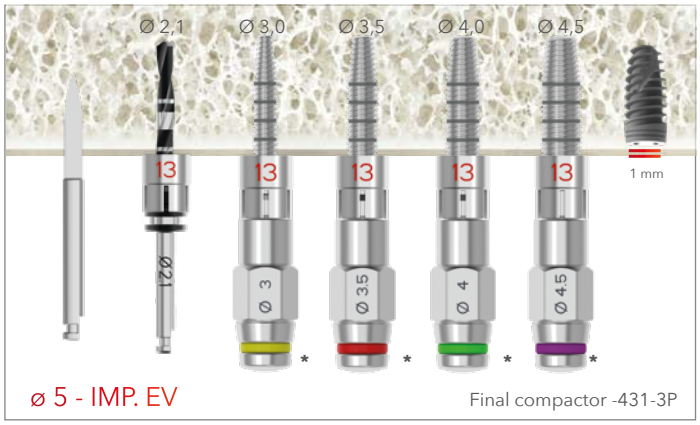
When bone is soft, the procedure requires the use of compactor-expander of the DURA-VIT system to be able to expand and condense the maxillary sinuses. Compactor-expander increase success rate, improving primary stability and maintaining bone density.





***NOTE**: It can be used with the contra-angle key shown on page 93.





WIDE DRILLING PROCEDURE

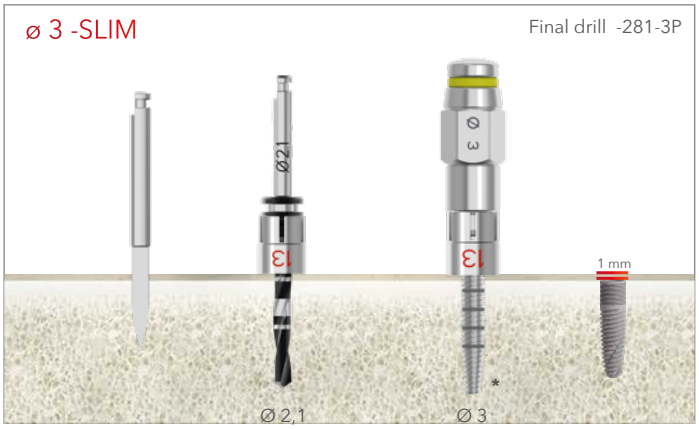
SUITABLE FOR USE IN A PREMOLAR AND MOLAR EXTRACTION SITE

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, minimising 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)

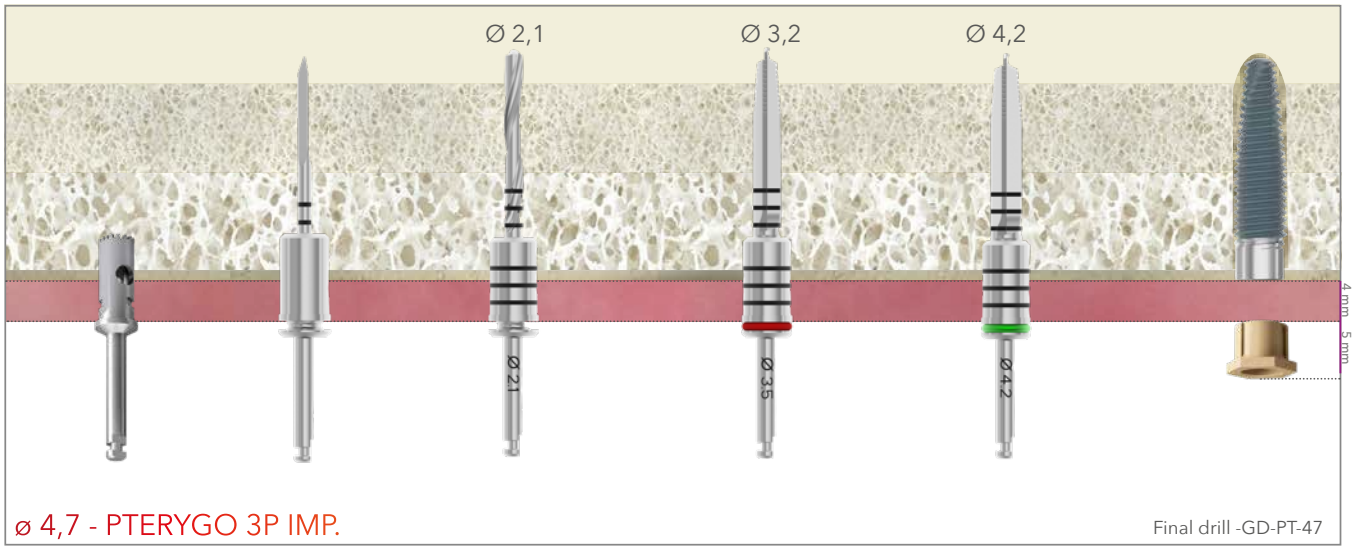


***NOTE**: It can be used with the contra-angle key shown on page 93.

PTERYGO DRILLING PROCEDURE

USE OF THE PTERYGO 3P IMPLANT

If the bone is not very spongy, the use of the PTERYGO 3P implant is recommended, which is optimal in this stage due to its bone-friendly triple-thread spiral.

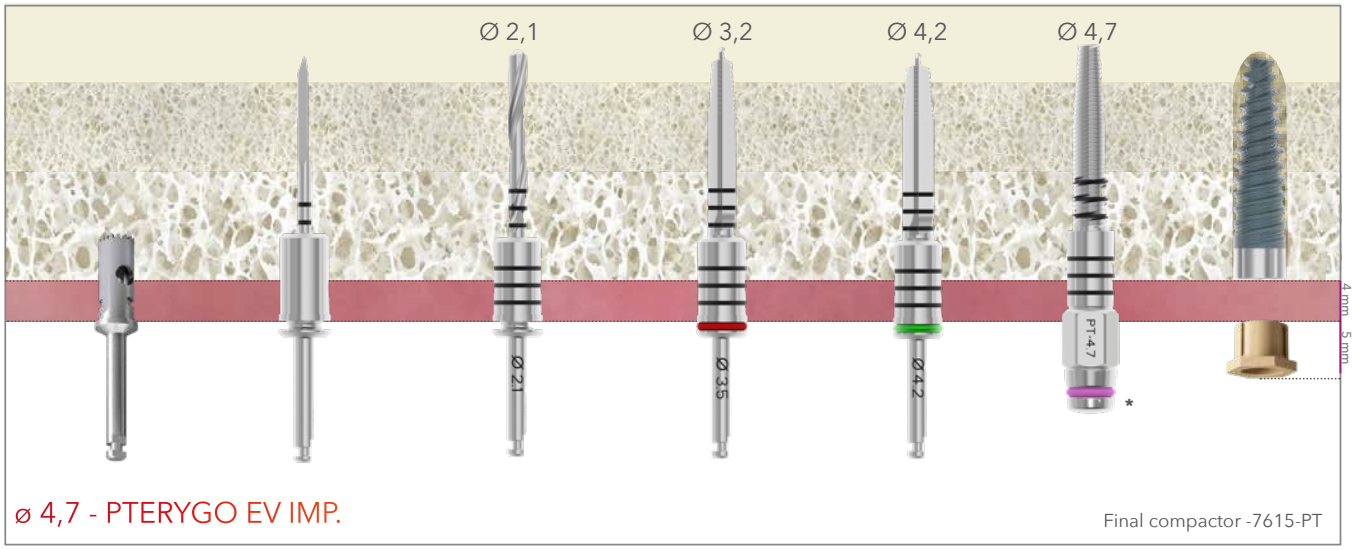


ø 4,7 - PTERYGO 3P IMP. Final drill -GD-PT-47

GUIDED AND MANUAL

USE OF THE PTERYGO EV IMPLANT

If the bone is particularly spongy, thickening of the bone trabeculae with the use of a compactor is recommended. The PTERYGO EV implant provides excellent penetrability and stability in underprepared implant sites.



ø 4,7 - PTERYGO EV IMP. Final compactor -7615-PT

GUIDED AND MANUAL

***NOTE**: It can be used with the contra-angle key shown on page 93.

DURA-VIT MONO DRILLING PROCEDURE

DIFFERENCES FOR IMPLANT INSERTION BETWEEN HARD BONE (D1-D2) AND SPONGY BONE (D3-D4)

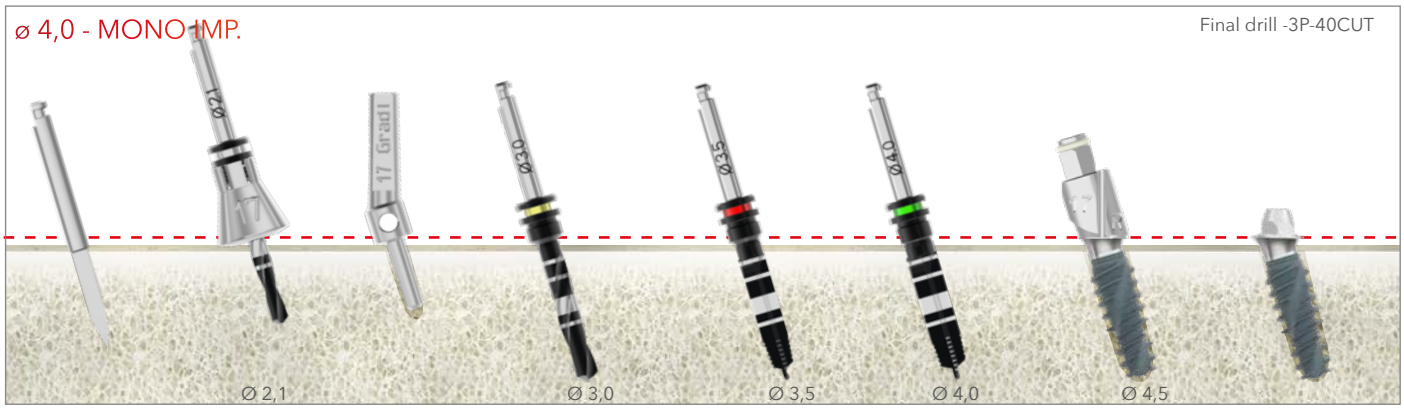
The surgical protocols for inserting the implant in the two types of bone differs in the diameter of the last drill used, as in D3-D4 bone an under-preparation of the implant site is recommended to guarantee the primary stability of the implant.

STRAIGHT

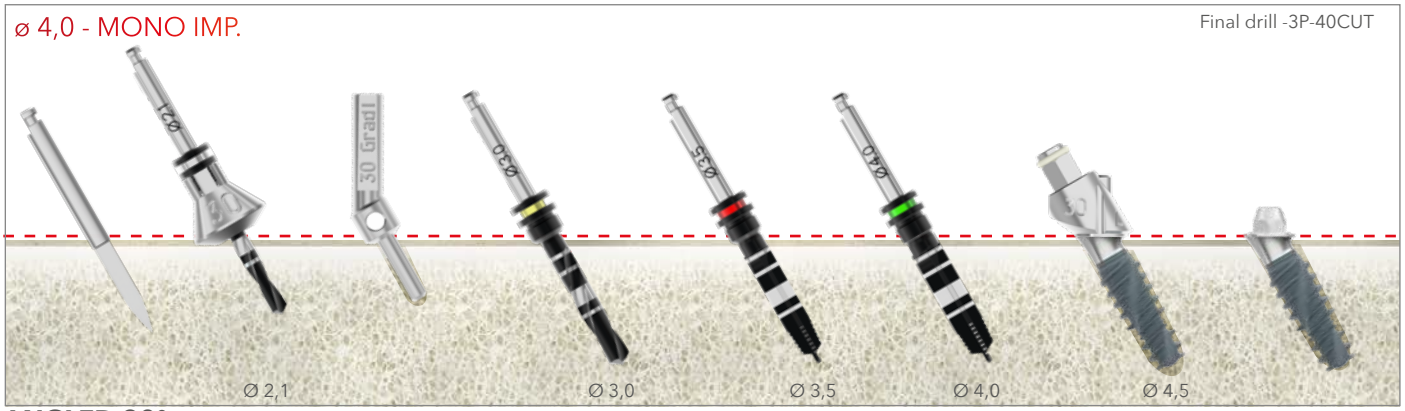
STRAIGHT

INSERTION OF ANGLED IMPLANTS IN HARD BONE (D1-D2)

The insertion of the angled implants of the DURA-VIT Mono line in hard bone can be carried out with the aid of a specially designed stop following the same protocol as the straight implants.



ANGLED 17°

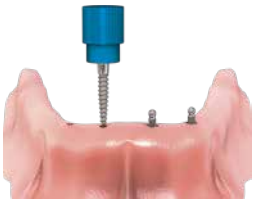


ANGLED 30°

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. If this operation is too difficult, the torque ratchet could be used.

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.

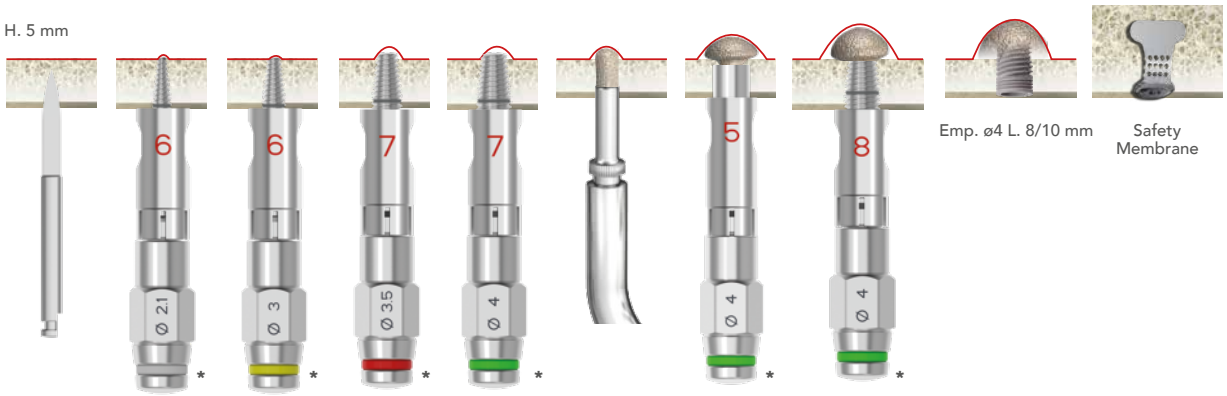
Use the wing key to insert the implant. If this operation is too difficult, the torque ratchet could be used.

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

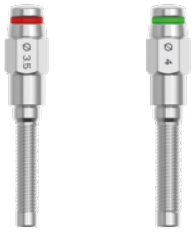


***NOTE**: It can be used with the contra-angle key shown on page 93.

SURGICAL KIT COMPONENTS

PUSH SCREW

- It prepares the bone cavity for implant placement.



SL-PS35 ø 3,5 *

SL-PS40 ø 4 *

PUSH PIN

- It pushes the regeneration material inside the bone cavity.

SL-PP35 ø 3,5 *

SL-PP40 ø 4*

ADAPTOR FROM RATCHET TO CONTRANGLE
00377CON

SMARTPEG OSSTELL**

B. & B. DENTAL IS NOW PRESENT WITHIN THE CATALOGUE OF OSSTELL DEVICES 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 measuring the resonance frequency of the disposable SmartPeg that is inserted in the implant.

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

*Distribuited by B. & B. Dental

PHYSIO - F3

PHYSIO - F3 is the result of years of experience in the design and manufacture of electromedical devices for implantology and dental endodontics. This well-proven technology offers flexibility and precision combined with extreme simplicity and safety in use.

TECHNICAL CHARACTERISTICS

- Speed: 400-40000 RPM
- Electronically limited torque up to 80Ncm (32:1)
- 10 settable programmes
- Power supply voltage: 230V-115V; 50/60Hz
- Power consumption: 109VA
- Maximum peristaltic pump
- flow rate: 90ml/min

MUN.C.L+C20L

COMPLETED WITH:

-Central unit.
-Multifunction pedal controller.
-1 irrigation tube.
-1 contra-angle driver C20L

HIGH PERFORMANCE

-Brushless motor and electronic control
-Precise parmeter adjustment
-Long duration of autoclavable parts
-New peristaltic pump
-Touch keypad

ACCESSORIES

Protection cap for the sterilization of the micromotor

Power cable

Support rod for physiological solution

CENTRAL UNITY

MOTOR

PEDAL CONTROLLER

IRRIGATION TUBES (10PCS)

**DEVICE DISTRIBUTED BY B&B DENTAL*
Catalogue and instructions for use of the Physio - F3 device

NOVOBONE

Novobone Granules is an inert, biocompatible, bovine-derived bone regeneration material that supports the dentist in need of high-quality bone substitute.

INTENDED USE:

- Sinus lifting
- Crestal volume increase
- Periodontal and alveolar regeneration
- Post-extraction regeneration

Novobone Granules is:

- derived from bovine biomaterial
- compliant with Regulation (EU) 2017/745 (**MDR**)
- treated at low temperature for removal of the protein component
- 100% resorbable

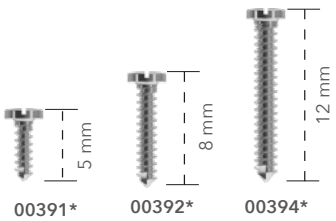
The production and sales chain is entirely Italian.

PRODUCT FORMAT

REF.	DESCRIPTION	VOL.
NBG-0.5	GRANULES, 1 vial, 0.5 g, granules diameter: 0.2-0.6mm	0,6cc
NBG-1	GRANULES, 1 vial, 1 g, granules diameter: 0.2-0.6mm	1,3cc
NBG-2	GRANULES, 1 vial, 2 g, granules diameter: 0.2-0.6mm	2,5cc
NBG-3	GRANULES, 1 vial, 3 g, granules diameter: 0.2-0.6mm	3,8cc
NBG-5	GRANULES, 1 vial, 5 g, granules diameter: 0.2-0.6mm	6,3cc

OSTEOSYNTHESIS SCREWS

These screws have a Phillips head and are screwed in using a screwdriver (maximum tightening torque is indicated on page 11). These screws are suitable for titanium regeneration materials (e.g. custom mesh, titanium T-Barrier membranes, titanium grids).



OSTEOSYNTHESIS SCREWS

*4 screw within each package

SHORT CROSS CONNECTOR
00092SHC/QS

LONG CROSS CONNECTOR
00094SHC/QS

HANDLE FOR OSTEOSYNTHESIS SCREWS
00095SH/Q

FLAT-HEADED NAILS

These nails have a flat head and must be press-fitted. They are particularly suitable for fixing titanium membranes.

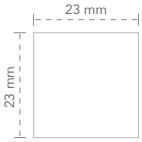
TITANIUM PINS FOR MEMBRANE FIXING
00099/PIN

CONTRANGLE KEY FOR MEMBRANE PINS FIXING
00091SHC/QS

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 haemostat.
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.

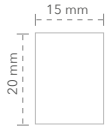
T-Barrier Collagen is available in a wide range of sizes:



23 x 23 x 0,25 mm**
B-00223*

10 x 10 x 0,25 mm**
B-00223/1*

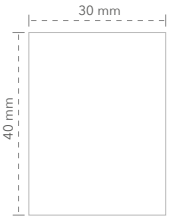
10 x 20 x 0,25 mm**
B-00223/2*



15 x 20 x 0,25 mm**
B-00223/3*

20 x 30 x 0,25 mm**
B-00223/4*

** ± 0.05 mm

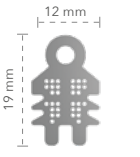


30 x 40 x 0,25 mm**
B-00223/5*

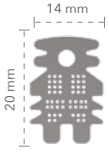
* 2 membranes per pack

TITANIUM T-BARRIER MEMBRANES

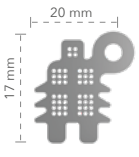
T-BARRIER titanium membranes are easily moulded to fit the shape of the crestal bone and are non-resorbable. They allow stabilisation and protection of the graft material in the bone defect. Furthermore, they are suitable for treating all cases of guided bone regeneration of the upper or lower jaw, especially in anticipation of subsequent rehabilitation with implants. The locking screw, if available, must be screwed into the implant and prevents it from moving inside the sinus. If they are fixed to the bone, osteosynthesis screws must be used.



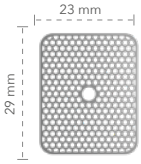
19 x 12 x 0,13 mm**
00532/3*



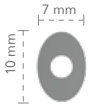
20 x 14 x 0,13 mm**
00532/4*



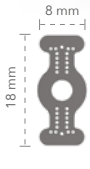
17 x 20 x 0,13 mm**
00532/5*



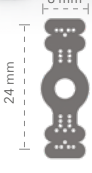
29 x 23 x 0,13 mm**
00532/12*



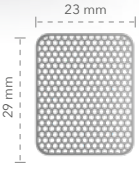
7 x 10 x 0,13 mm**
00532/10*



8 x 18 x 0,13 mm**
00532/1*



8 x 24 x 0,13 mm**
00532/2*



23 x 29 x 0,13 mm**
00532

1 membranes par pack

* Fixation screw 00532SCREW included

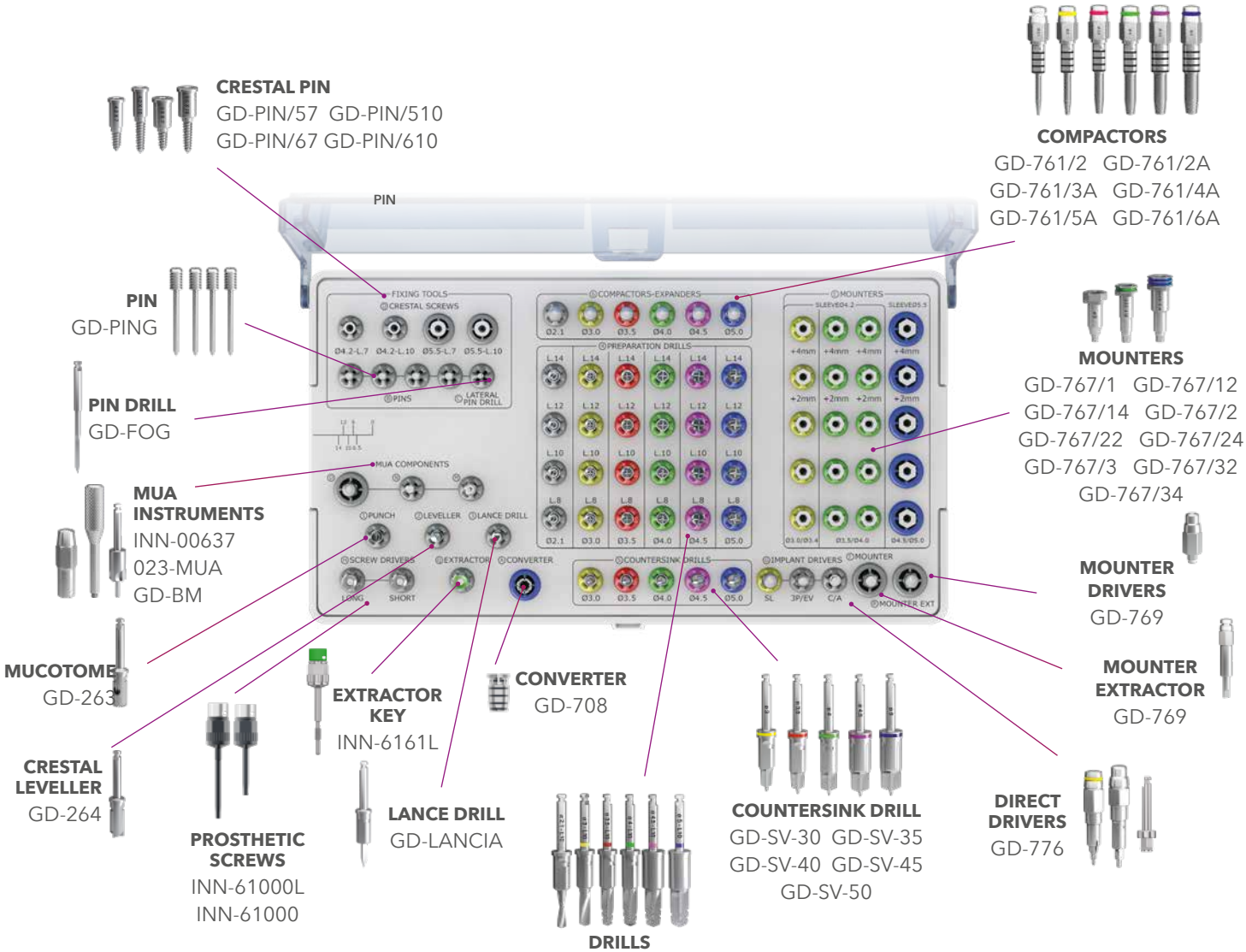
For the whole line consult the regeneration catalogue

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 center.
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 SET

UPPER TRAY

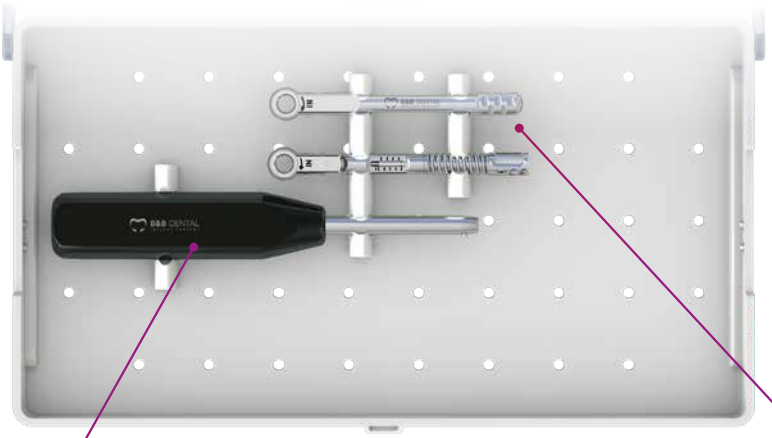


REF. 3D-00093SC — Surgical instruments guided organizer

Upper tray

Crestal pin Ø 4,2 H.7	Ref. GD-PIN/57	Pin	Ref. GD-PING
Crestal pin Ø 4,2 H.10	Ref. GD-PIN/510	Pin drill	Ref. GD-FOG
Crestal pin Ø 5,5 H.7	Ref. GD-PIN/67	Positioner for straight MUA	Ref. INN-00637
Crestal pin Ø 5,5 H.10	Ref. GD-PIN/610	Positioner for angled MUA	Ref. 023-MUA

LOWER TRAY



STRAIGHT MANUAL KEY
3P-00090CM

RATCHETS
00376DIN
00376

Reamer	Ref. GD-BM
Mucotome	Ref. GD-263
Crestal leveller	Ref. GD-264
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
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
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 o Ø 4,5	Ref. GD-SV-45
Countersink drill Ø 5	Ref. GD-SV-50
Guided mounter (SLIM implant)	Ref. GD-00578
Guided implant driver	Ref. GD-701
Guided direct driver for guided mounter	Ref. GD-00778
Mounter extractor	Ref. GD-776
Driver for mounters	Ref. GD-769
Mounter Ø 3-Ø 3,4 H.0	Ref. GD-767/3
Mounter Ø 3-Ø 3,4 H.+2	Ref. GD-767/32
Mounter Ø 3-Ø 3,4 H.+4	Ref. GD-767/34
Mounter Ø 3,5-Ø 4 H.0	Ref. GD-767/1
Mounter Ø 3,5-Ø 4 H.+2	Ref. GD-767/12
Mounter Ø 3,5-Ø 4 H.+4	Ref. GD-767/14
Mounter Ø 4,5-Ø 5 H.0	Ref. GD-767/2
Mounter Ø 4,5-Ø 5 H.+2	Ref. GD-767/22
Mounter Ø 4,5-Ø 5 H.+4	Ref. GD-767/24
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

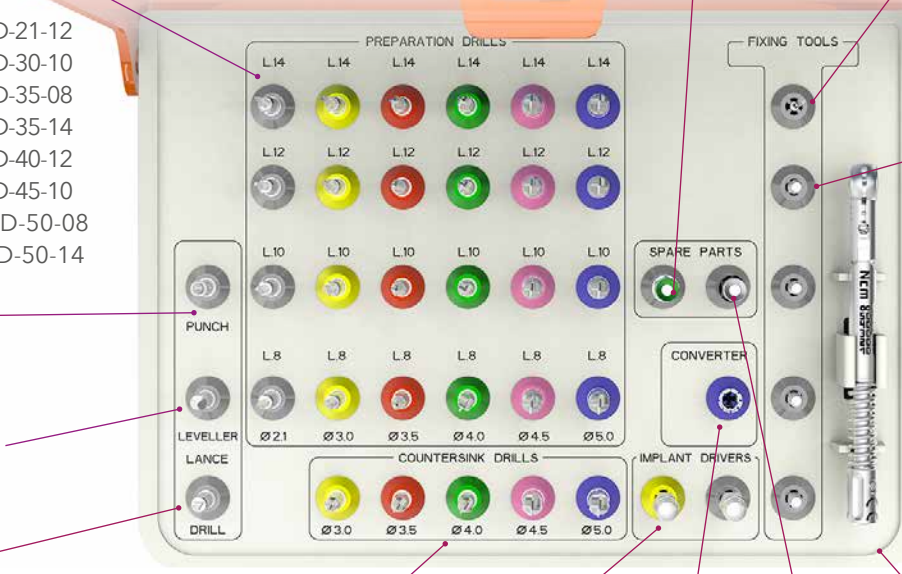
Lower tray	
Straight manual key	Ref. 3P-00090CM
Torque ratchet	Ref. 00376DIN
Ratchet	Ref. 00376

SIMPLIFIED GUIDED SURGICAL SET

DRILLS
GD-21-08 GD-21-10 GD-21-12
GD-21-14 GD-30-08 GD-30-10
GD-30-12 GD-30-14 GD-35-08
GD-35-10 GD-35-12 GD-35-14
GD-40-08 GD-40-10 GD-40-12
GD-40-14 GD-45-08 GD-45-10
GD-45-12/ GD-45-14 GD-50-08
GD-50-10 GD-50-12 GD-50-14

EXTRACTOR KEY
INN-6161L

PIN DRILL
GD-FOG



PIN
GD-PING

MUCOTOME
GD-263

CRESTAL LEVELLER
GD-264

LANCE DRILL
GD-LANCIA

COUNTERSINK DRILL
GD-SV-30 GD-SV-35
GD-SV-40 GD-SV-45 GD-SV-50

DIRECT DRIVERS
GD-00578
GD-701

CONVERTER
GD-708

PROSTHETIC SCREW (LONG)
INN-61000L

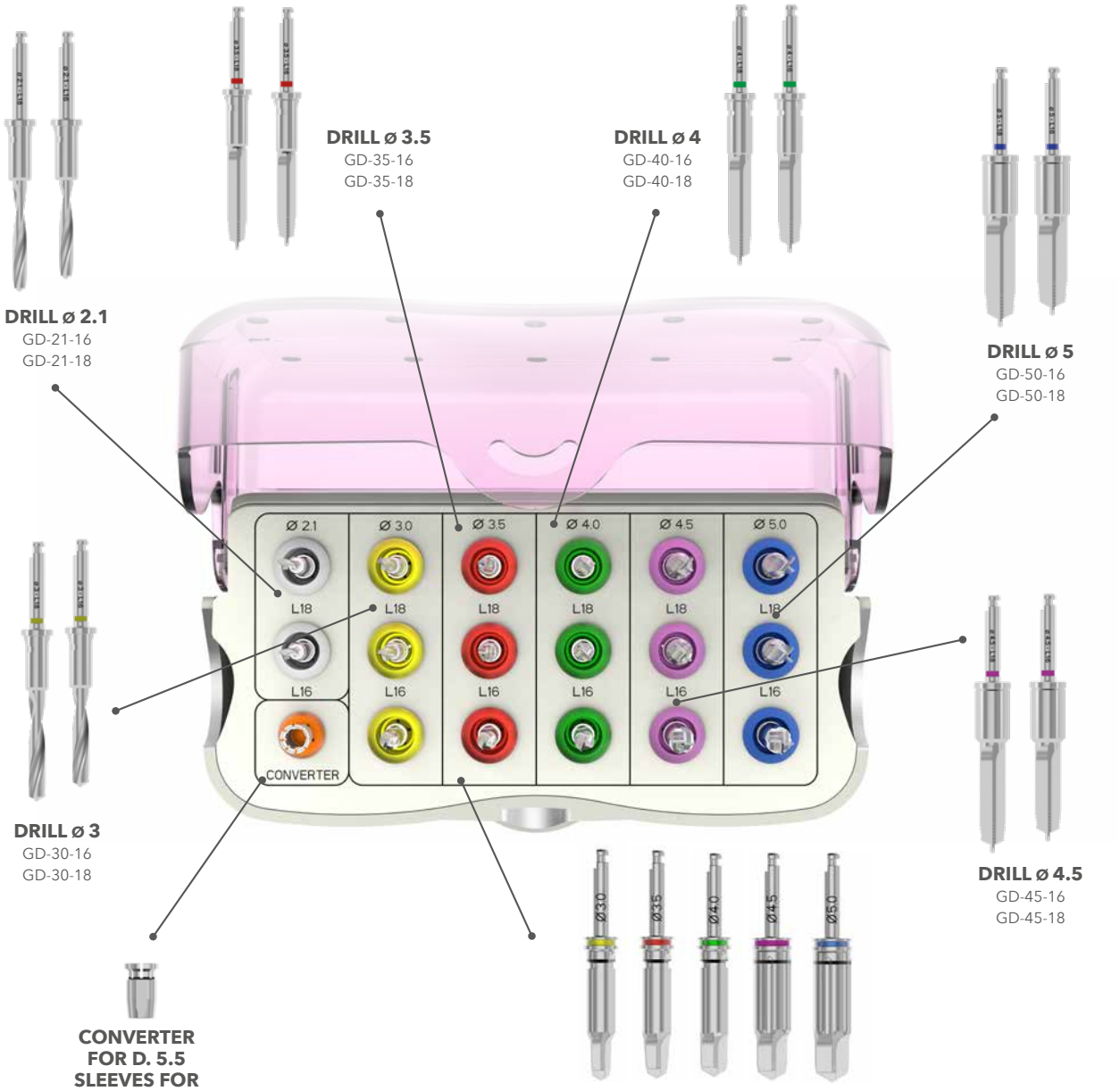
*

UNIVERSAL RATCHET
00376

REF. 3D-00092SC — Surgical instruments guided simplified organizer

Pin	Ref. GD-PING	Drill Ø 4 L.8	Ref. GD-40-08
Pin drill	Ref. GD-FOG	Drill Ø 4 L.10	Ref. GD-40-10
Mucotome	Ref. GD-263	Drill Ø 4 L.12	Ref. GD-40-12
Crestal leveller	Ref. GD-264	Drill Ø 4 L.14	Ref. GD-40-14
Prosthetic screw (long)	Ref. INN-61000L	Drill Ø 4,5 L.8	Ref. GD-45-08
Extractor key	Ref. INN-6161L	Drill Ø 4,5 L.10	Ref. GD-45-10
Lance drill	Ref. GD-LANCIA	Drill Ø 4,5 L.12	Ref. GD-45-12
Converter	Ref. GD-708	Drill Ø 4,5 L.14	Ref. GD-45-14
Drill Ø 2,1 L.8	Ref. GD-21-08	Countersink drill Ø 3	Ref. GD-SV-30
Drill Ø 2,1 L.10	Ref. GD-21-10	Countersink drill Ø 3,5	Ref. GD-SV-35
Drill Ø 2,1 L.12	Ref. GD-21-12	Countersink drill Ø 4	Ref. GD-SV-40
Drill Ø 2,1 L.14	Ref. GD-21-14	Countersink drill Ø 4,5	Ref. GD-SV-45
Drill Ø 3 L.8	Ref. GD-30-08	Countersink drill Ø 5	Ref. GD-SV-50
Drill Ø 3 L.10	Ref. GD-30-10	Guided mounter	
Drill Ø 3 L.12	Ref. GD-30-12	(SLIM implant)	Ref. GD-00578
Drill Ø 3 L.14	Ref. GD-30-14	Guided implant driver	Ref. GD-701
Drill Ø 3,5 L.8	Ref. GD-35-08		
Drill Ø 3,5 L.10	Ref. GD-35-10	Torque ratchet	
Drill Ø 3,5 L.12	Ref. GD-35-12	*sold separately	Ref. 00376DIN
Drill Ø 3,5 L.14	Ref. GD-35-14		

GUIDED OFFSET +2 +4 SURGICAL SET



REF. 3D-00093PLUS — Surgical instruments offset +2 +4 organizer

Drill Ø 2,1 L. 16mm	Ref. GD-21-16	Drill Ø 4,5 L. 18mm	Ref. GD-45-18
Drill Ø 2,1 L. 18mm	Ref. GD-21-18	Drill Ø 5 L. 16mm	Ref. GD-50-16
Drill Ø 3 L. 16mm	Ref. GD-30-16	Drill Ø 5 L. 18mm	Ref. GD-50-18
Drill Ø 3 L. 18mm	Ref. GD-30-18	Offset guided countersink drill Ø 3	Ref. GD-SV-30PLUS
Drill Ø 3,5 L. 16mm	Ref. GD-35-16	Offset guided countersink drill Ø 3,5	Ref. GD-SV-35PLUS
Drill Ø 3,5 L. 18mm	Ref. GD-35-18	Offset guided countersink drill Ø 4	Ref. GD-SV-40PLUS
Drill Ø 4 L. 16mm	Ref. GD-40-16	Offset guided countersink drill Ø 4,5	Ref. GD-SV-45PLUS
Drill Ø 4 L. 18mm	Ref. GD-40-18	Offset guided countersink drill Ø 5	Ref. GD-SV-50PLUS
Drill Ø 4,5 L. 16mm	Ref. GD-45-16	Converter for d. 5.5 sleeves for offset kit	Ref. GD-709

GUIDED SLEEVES

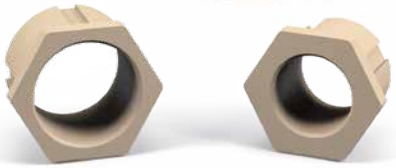
The guided sleeves can have two dimensions and are presented as cylinders included in the surgical templates. They have the main function of guiding the surgical instruments during the preparation of the implant site by guiding the position and inclination of the drills. The sleeves are generally incorporated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

LATERAL OPENING
It provides an easy access to the operative site

ONE HEIGHT
5 mm in height to ensure a stable and safe guide

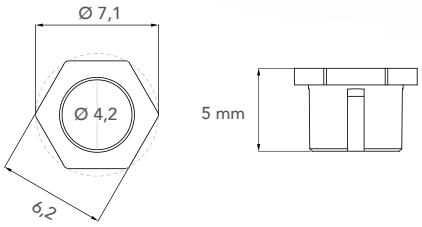
TWO DIAMETERS
A guaranteed guide for any implant diameter

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

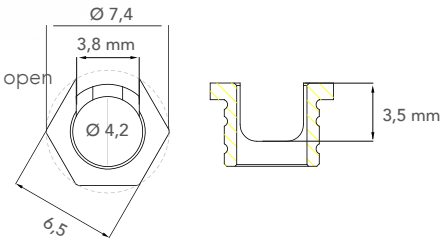


SLEEVE Ø 4.2 MM

close

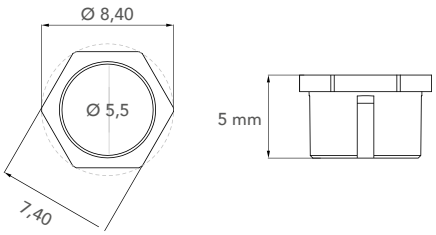


open

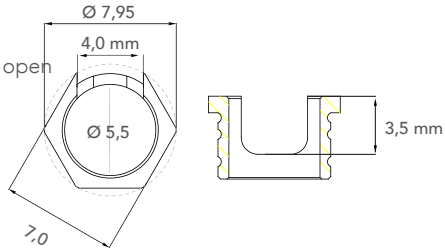


SLEEVE Ø 5.5 MM

close



open



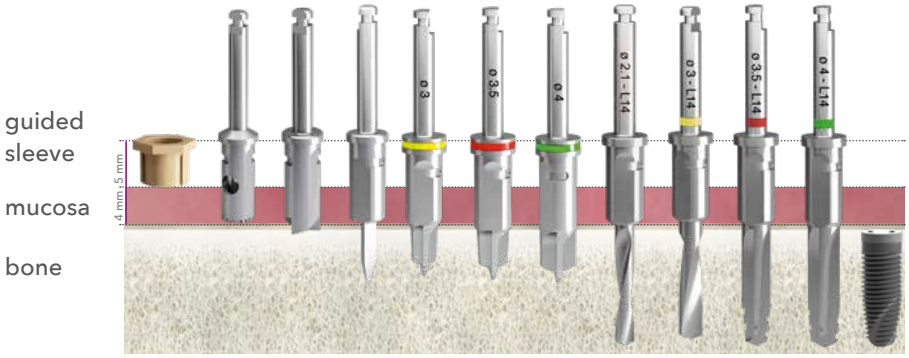
OVERLAPPING WITH RADIOPAQUE MARKERS
In the case of a fully edentulous patient, to allow overlapping of the cone beam files and extraoral and/or intraoral impressions, it is important to position the radiopaque markers by forming triangles. The size and shape of B. & B. Dental's markers ensure a high degree of accuracy in cone beam image acquisition and avoid problems with false or incomplete detection in the case of machines with insufficient field of view (FOV).

GD-SFERE
1 cf x 5 pcs

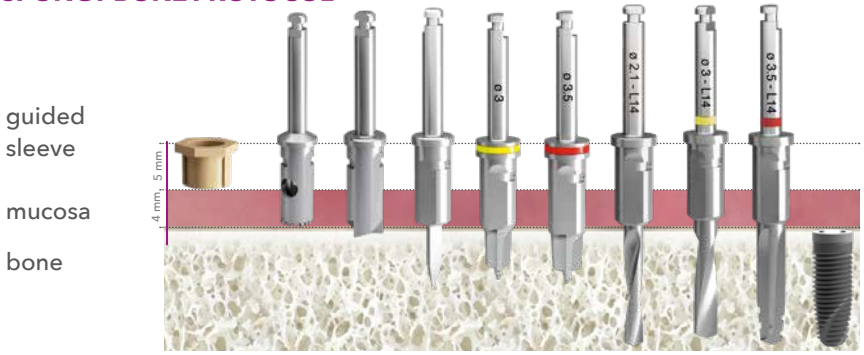
4.2 MM Ø SLEEVE

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.

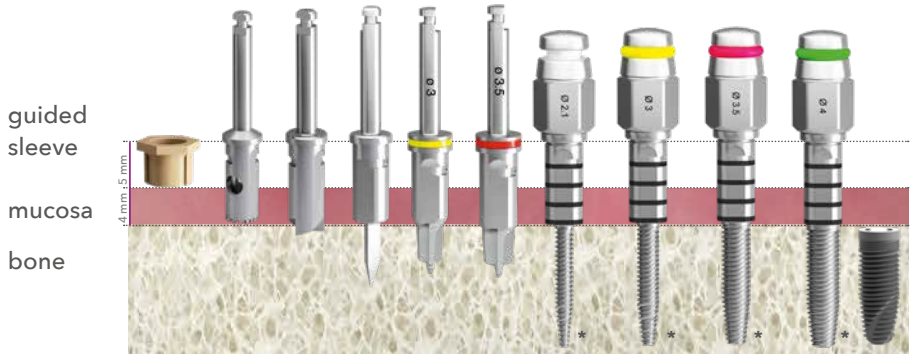
HARD BONE PROTOCOL



SPONGY BONE PROTOCOL



SPONGY BONE PROTOCOL WITH COMPACTORS



***NOTE**: It can be used with the contra-angle key shown on page 93.

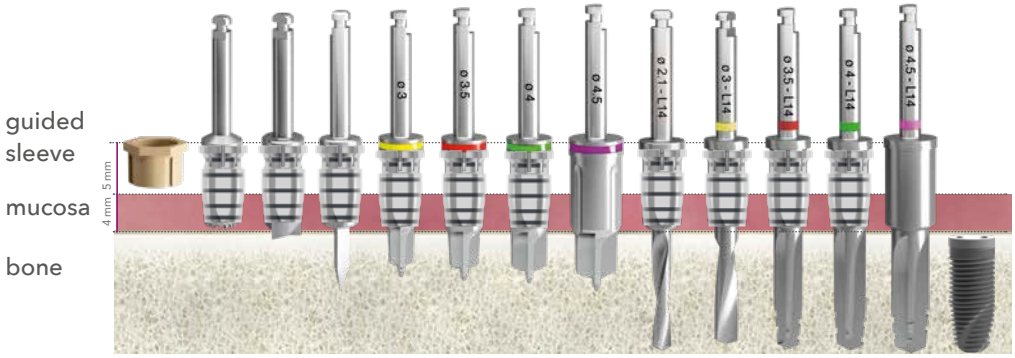
NOTE

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.

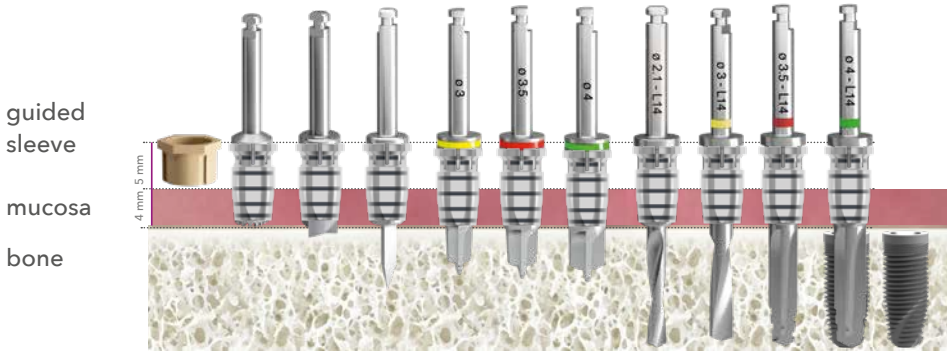
5.5 MM Ø SLEEVE

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

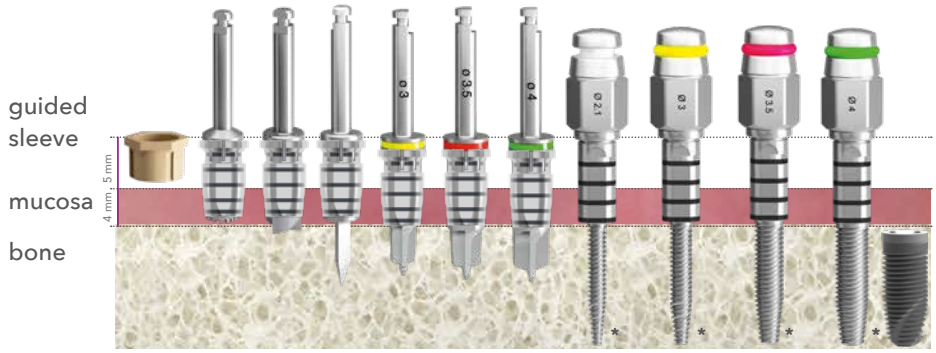
HARD BONE PROTOCOL



SPONGY BONE PROTOCOL



SPONGY BONE PROTOCOL WITH COMPACTORS



***NOTE: Can also be used with contra-angle handpiece**

For full details, please see our Guided Surgery catalogue

GUIDED SURGERY SET
MINI IMPLANTS LINE

REF. G-1807/1.

Torque ratchet (50 NCM)	Ref. 8070	Surgical drill (short) Ø 1.3mm	Ref. G-1013S.
Manual butterly key	Ref. MD-3002	Surgical drill (short)Ø 2.0mm	Ref. G-1020S.
Adapter (short)	Ref. S7007.	Surgical drill (long) Ø1.1mm	Ref. G-1011L.
Adapter (long)	Ref. S7015.	Surgical drill (long) Ø1.3mm	Ref. G-1013L.
Surgical drill (short) Ø 1.1mm	Ref. G-1011S.	Surgical drill (long) Ø2.0mm	Ref. G-1020L.

GUIDED SURGERY DRILLS SET
MINI IMPLANTS LINE

REF. G-1807XS.

Surgical drill (short) Ø 1.1mm	Ref. G-1011S.
Surgical drill (short) Ø 1.3mm	Ref. G-1013S.
Surgical drill (short) Ø 2.0mm	Ref. G-1020S.
Surgical drill (long) Ø1.1mm	Ref. G-1011L.
Surgical drill (long) Ø1.3mm	Ref. G-1013L.
Surgical drill (long) Ø2.0mm	Ref. G-1020L.

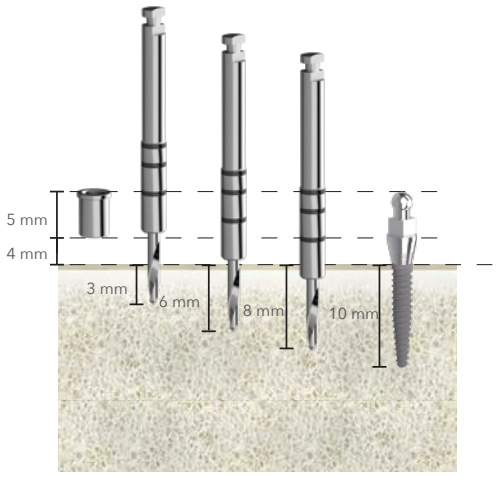
GUIDED SURGICAL PROTOCOL MINI IMPLANT

The MDI guided surgery system is made of 2 sets of 3 drills each with longer and shorter lengths in the diameters of 1,1mm 1,3mm and 2mm. This allows the user to have guidance and to 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 can drill deeper or wider by using the same sleeve guidance.

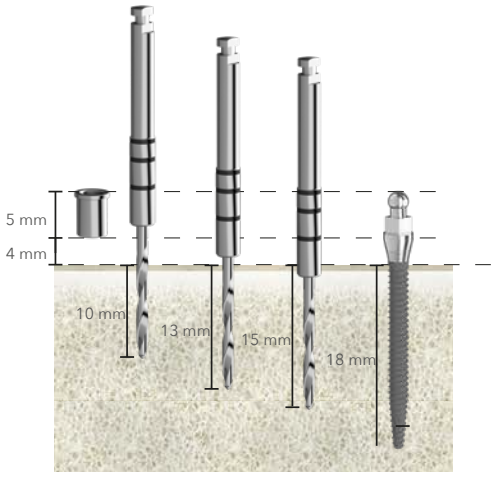
Please note: That by following the standard protocol the system provides for directional guidance but is not able to provide full depth and placement guidance for implant

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

SHORT DRILLS

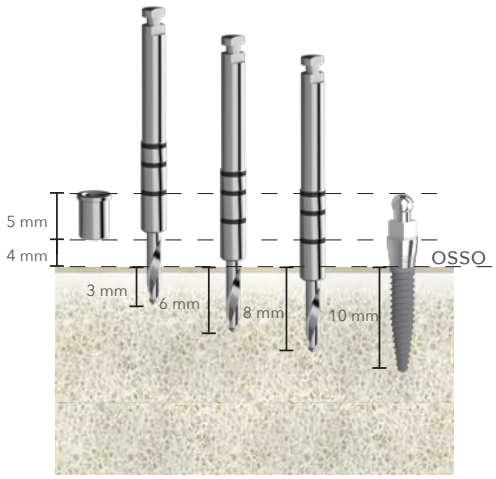


LONG DRILLS

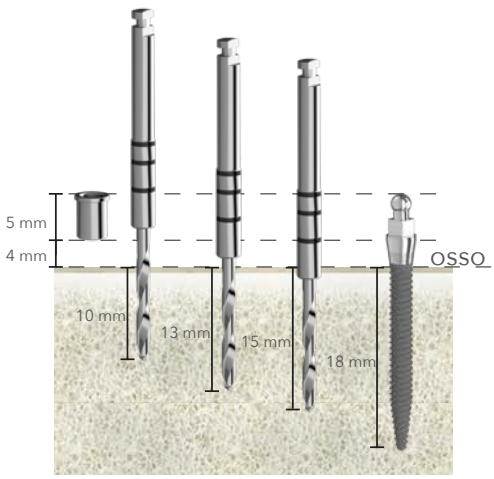


SURGICAL PROTOCOL FOR GUIDED MINI IMPLANT DIAMETER Ø 2.1 mm - drills ø 1.3 mm

SHORT DRILLS



LONG DRILLS



NOTES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