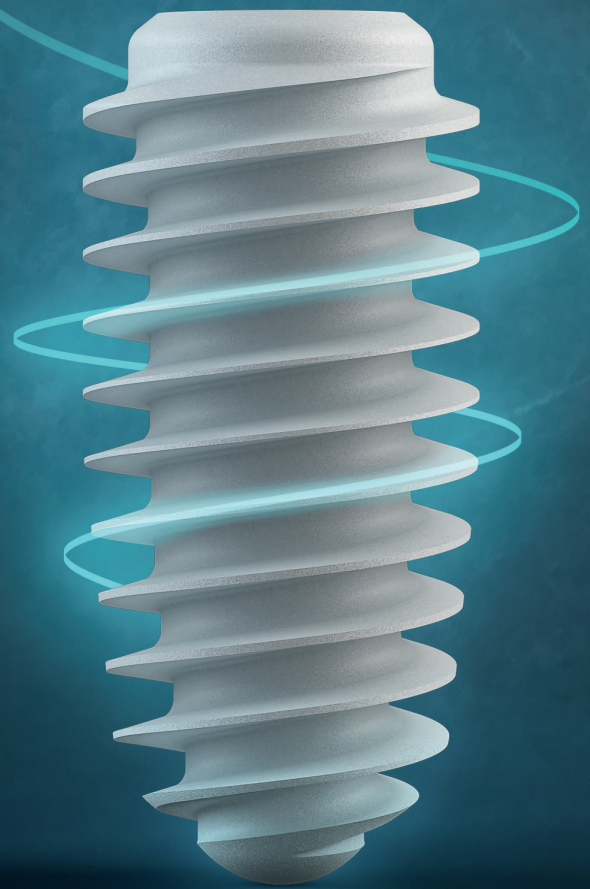
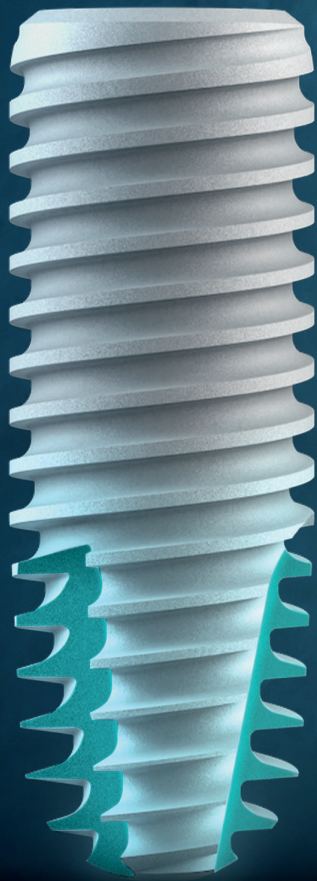


Kontakt™ S & S<sup>+</sup>

EFFECTIVENESS  
AND PERFORMANCE  
FOR AN OPTIMAL  
RESULT

A solution  
adapted to each  
clinical case

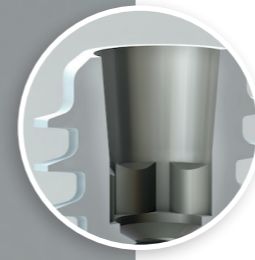
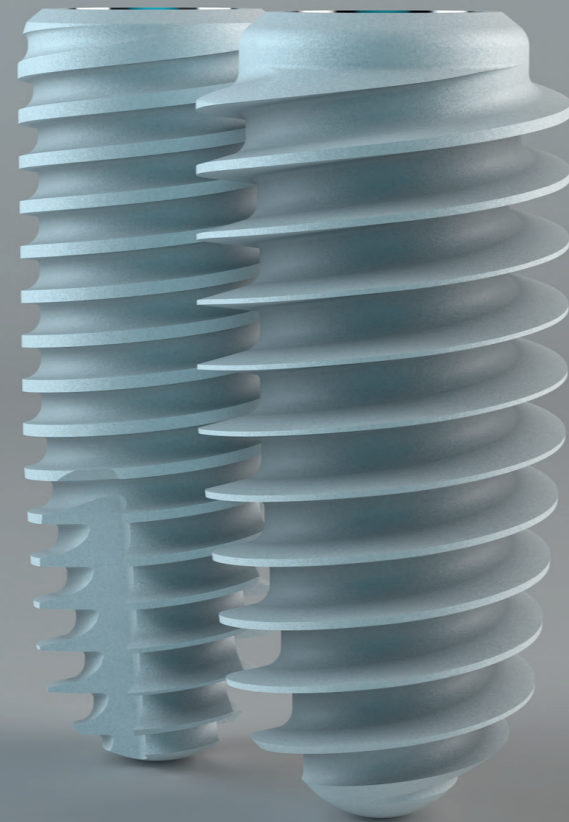


BIOTECH DENTAL



## THE STRENGTH OF A RICH CLINICAL HERITAGE

Inspired by the philosophy and success of the iconic Kontakt™ implant, the **Kontakt™ S** and **Kontakt™ S+** implants have the same features and benefits that have built its renown.



### ✓ Optimal connection

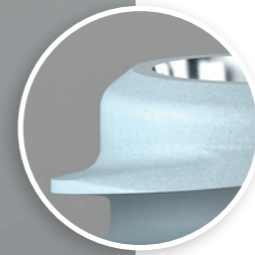
#### > Morse taper connection (10°)

Allowing a better seal against bacteria and elimination of micro-movements between the implant and the abutment. The mechanical resistance of the implant-abutment connection is reinforced.

#### > STSystem® indexing

##### Patented hexalobular indexing with six positions

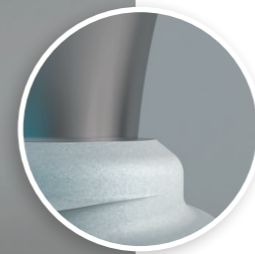
Indexing with six lobes in the implant and three lobes on the abutment allows a reliable and an intuitive insertion of prosthetic components.



### ✓ Narrowed, chamfered and micro-structured implant neck

The narrowing neck reduces bone compression of the cortical bone.

The micro-structured chamfer promotes the retention of blood coagulum which is necessary for bone reconstruction.



### ✓ Platform switching

Platform switching, in synergy with a stable and bacteria-proof morse taper connection, is an important factor concerning the tissue stability. The aim is to limit the occurrence of peri-implantitis.



### ✓ Atraumatic spherical apex

Protects the anatomical structure during surgery and allows a less invasive osteotomy.



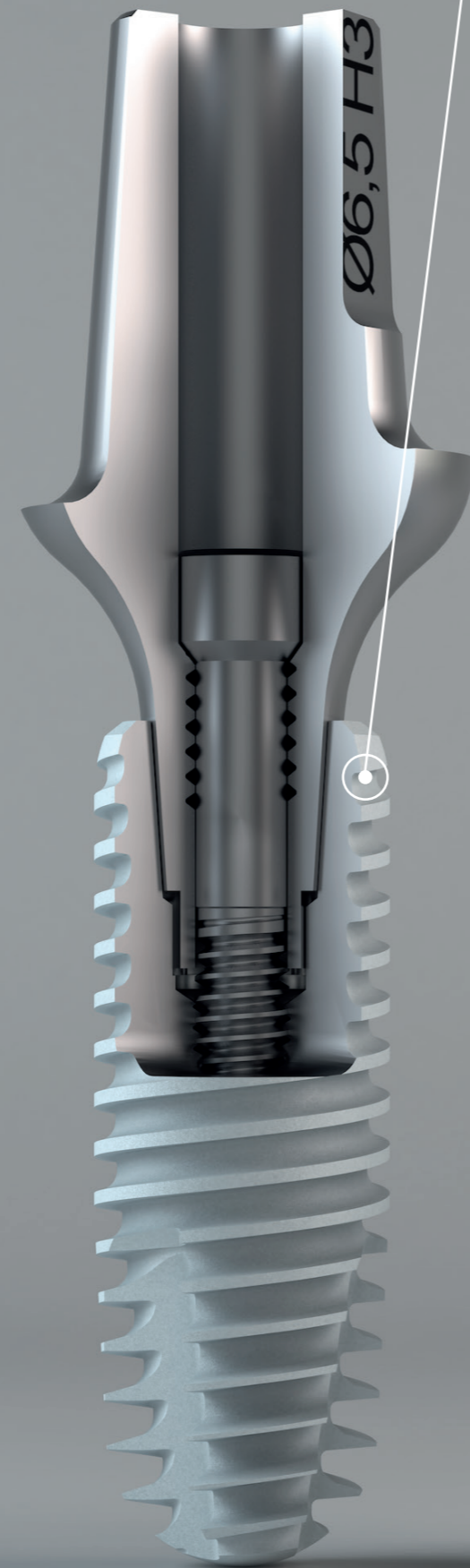
# 2

## CHOOSE THE RIGHT TREATMENT FOR YOUR PATIENTS

Choose the best implant solution according to the clinical case.

### THE IMPLANTS KONTACT™ S AND KONTACT™ S+ ARE DESIGNED:

In pure grade 4 titanium (T60), their sandblasted and etched surface has been studied to optimise wettability and promote osseointegration.

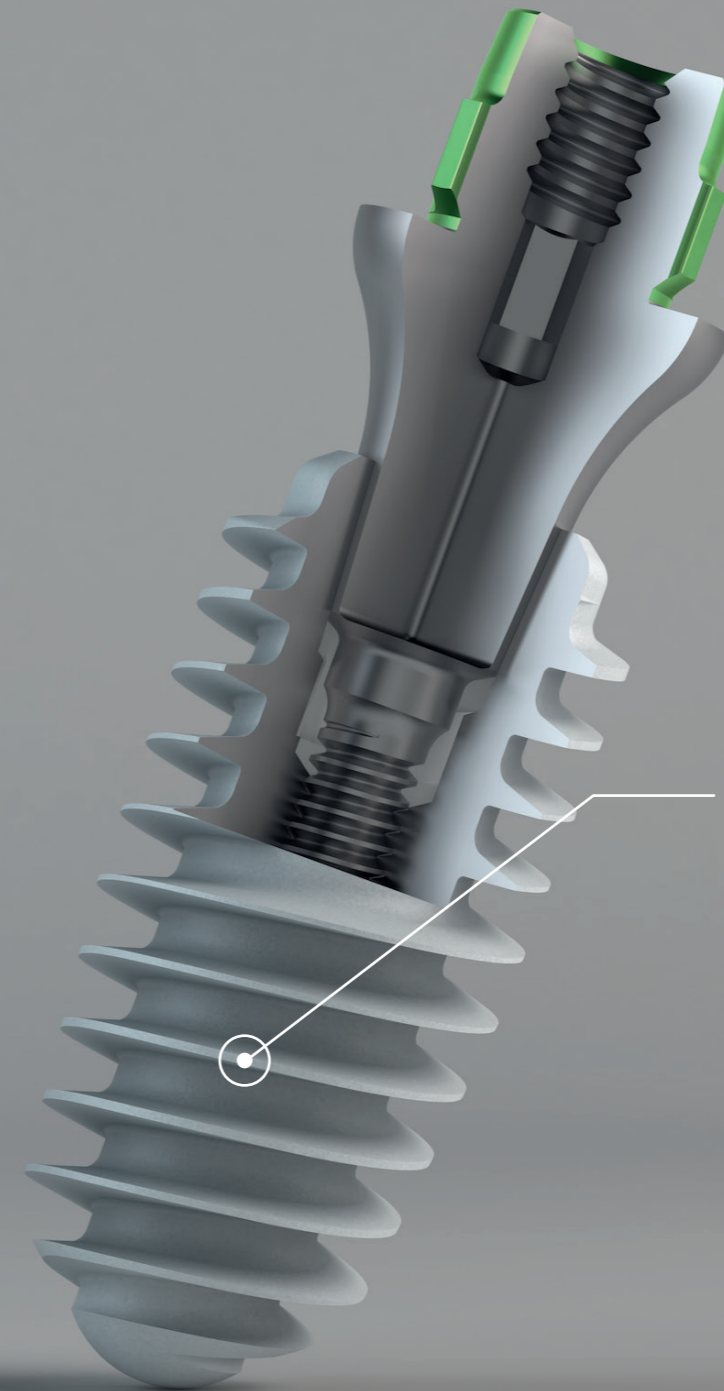


### Kontakt™ S

The profile of the Kontakt™ S implant and its softened thread allow a **more progressive anchoring into the bone**.

Its spiral thread **reduces the insertion effort (torque)**.

The Kontakt™ S implant is particularly indicated for cases of **high bone density**.



### Kontakt™ S+

The Kontakt™ S+ implant has been specially developed for **immediate extraction-placement, rapid placement after extraction**, and cases of placement in **low density bone**.

Thanks to the **large threading wings** which **increases the developed surface area**, the Kontakt S+ allows more effective bone condensation in **low-density bone** and **increase the implant primary stability**.



# 3

## A SIMPLE, PRACTICAL AND EFFICIENT KONTACT™ SYSTEM



### A SINGLE KIT FOR ALL KONTACT™ IMPLANTS

- ✓ **Compact** for optimal storage.
- ✓ **Practical** with fast and easy opening for a fast and easy instrument access.
- ✓ **Readable** thanks to colour markings for a quick identification of the instruments.
- ✓ **Fully disassemblable** for a complete autoclavable decontamination.



### A WIDE RANGE OF PROSTHETIC SOLUTIONS

- ✓ **Single and multi-unit rehabilitation:** cement-retained, screw-retained, telescopic.
- ✓ **Prosthesis stabilization** with a line of Locators® and IsoPost abutments.
- ✓ **Custom-made abutments** with a range of TiBases and Scanbodies as well as our specialized CAD-CAM machining center.





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[www.biotech-dental.com](http://www.biotech-dental.com)



AFNOR Cert. 73017

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# Kontakt™ PL

Kontakt™ Perio Level

PERFECT  
HARMONY  
BETWEEN  
BIOLOGY AND  
AESTHETICS



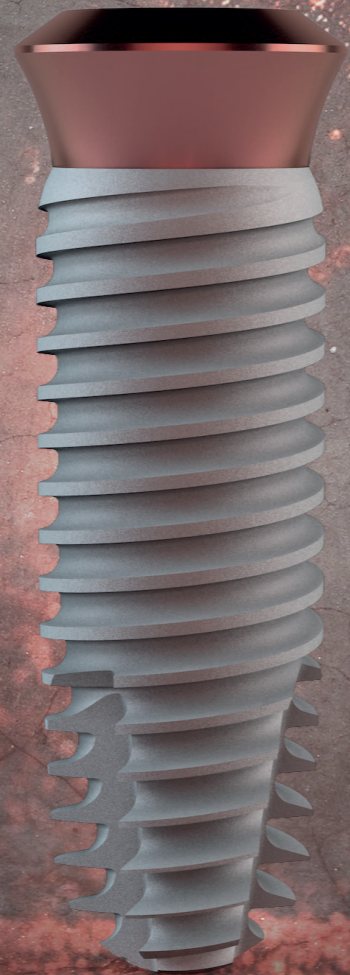
BIOTECH DENTAL



# 1

## MORE THAN 30 LIFE OF EXPERTISE

Drawing on more than 30 years of experience, Biotech Dental has developed the Kontakt™ Perio Level implant in collaboration with dental surgeons to meet the highest clinical, biological and aesthetic requirements.



### ✓ **Transgingival neck**

The Kontakt™ Perio Level is an implant with a transgingival neck that facilitates one-step surgery. Pink anodised, it provides **improved aesthetic integration with the soft tissue.**

The transgingival neck **reduces the complexity of the treatment and simplifies the handling of the prosthetic parts.** In addition, it helps **preserve peri-implant health.**



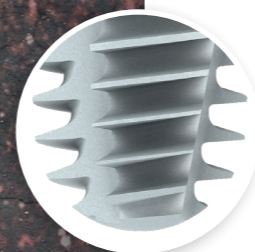
### ✓ **A reliable connection**

- The Kontakt™ PL implant is equipped with a **conical connector.** Thanks to its **large contact surface,** it ensures **perfect stability of the prosthetic abutments** and eliminates micro-movements.
- **The patented STSystem®** indexing system offers maximum reliability and safety when placing prosthetic parts with 3 indexing tips at the base of the abutments and **6 repositioning possibilities in the implant.**



### ✓ **A high-performance implant design and surface finish**

The Kontakt™ PL is a grade 4 **conical cylindrical** implant (T60) featuring an etched sandblasted surface with a spherical apex and self-tapping flutes. These characteristics enable it to ensure osseointegration as well as optimal primary and secondary stability.



### ✓ **Atraumatic spherical apex**

Thanks to its design, the apex protects the anatomical structure during surgery and allows for a less invasive osteotomy.



# 2

## TREATMENT SIMPLICITY AND FLEXIBILITY

### ONE AND ONLY ONE CONNECTOR FOR THE WHOLE RANGE OF IMPLANTS KONTACT™ PL:

#### > 4 neck profiles:

- S (∅ 3.8 mm)
- M (∅ 4.2 mm)
- L (∅ 4.8 mm)
- XL (∅ 6.00 mm)

#### > 3 implant body diameters:

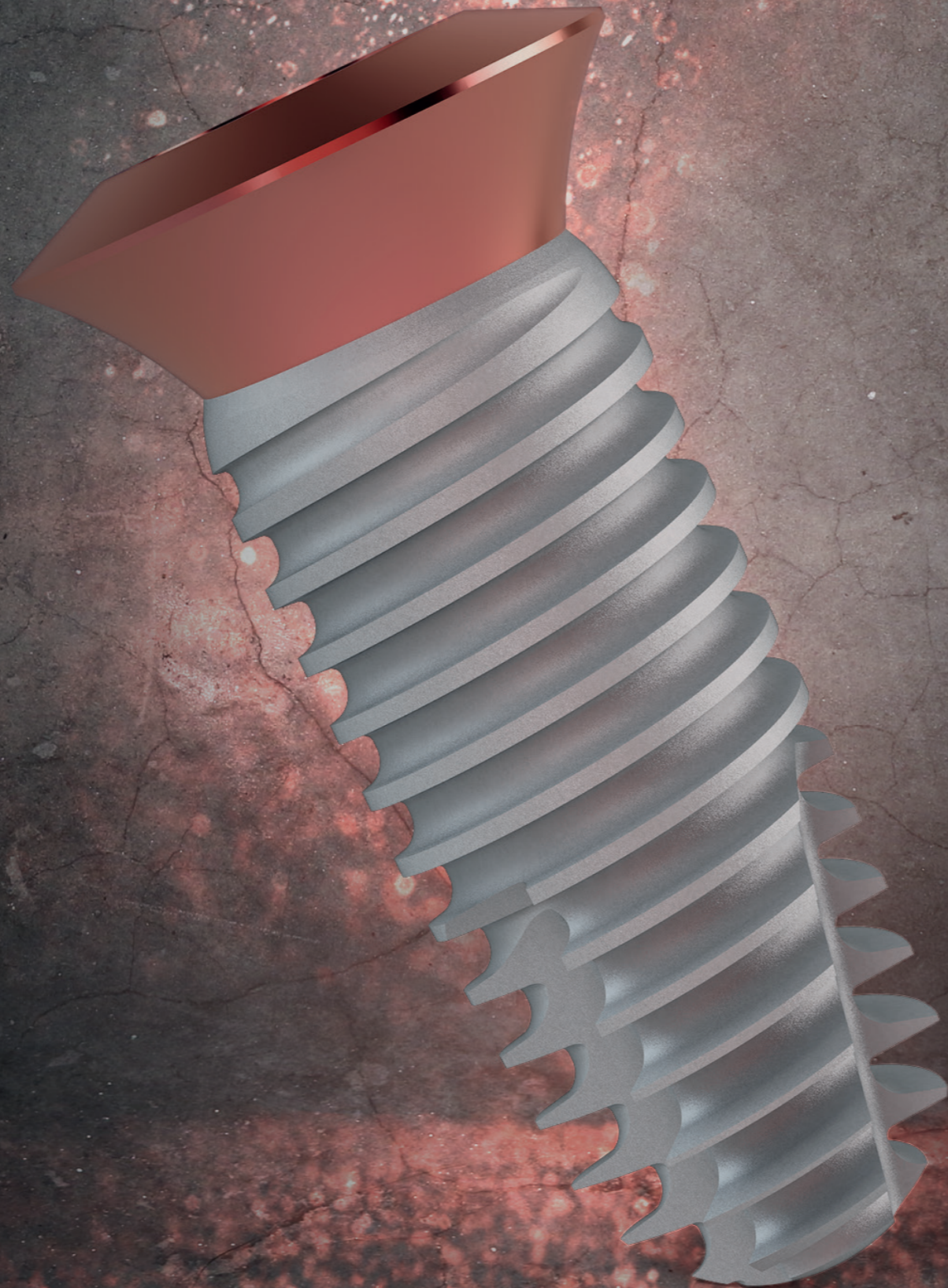


#### > 5 lengths:

- 6 mm
- 8 mm
- 10 mm
- 12 mm
- 14 mm

#### > Neck height 1.6 mm

#### > Possibility of having narrow body implants (4.2 mm) with XL neck profiles



### PROMOTE SOFT TISSUE ATTACHMENT, OPTIMISE AESTHETICS

The neck provides perfect support for the gums. Thanks to its sophisticated design and smooth surface, soft tissues attach optimally, and plaque deposits are limited.

The pink anodised neck, with a gingival height of 1.6 mm and varying widths (S, M, L, XL) depending on the implant diameter, meets the highest clinical and aesthetic requirements.

### PRINCIPLES & ADVANTAGES

The Kontakt™ PL is a conical cylindrical implant with a transgingival neck that facilitates one-step surgery.

#### It has the following advantages:

- ✓ **Simplifies implant treatments:** by reducing the number of surgical interventions and making prosthetic treatments and maintenance more accessible
- ✓ **Respect for the biological space:** the presence of the transgingival part and its design allow the creation of an ideal emergence profile and the preservation of the peri-implant environment
- ✓ **STSystem® connectors that are the same for all diameters:** connectors facilitate the handling of prosthetic parts and stock management
- ✓ **Primary stability:** the design of the implant gives it an interesting self-tapping power in cases of immediate implant insertion.



# 3

## IMPLANT SCANNING IN YOUR DIGITAL FLOW

- ✓ **Optimise** your digital workflow, your communication with your patients and **speed up your** case planning.
- ✓ **Make** taking impressions easier with the WOW® intraoral scanner.

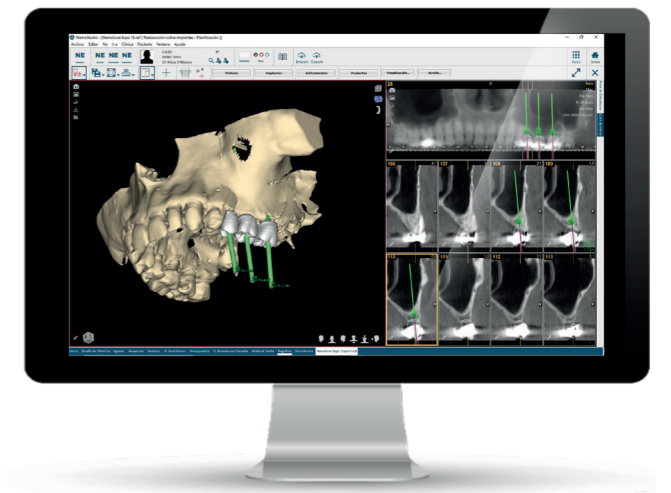
With the scanbody, you digitally capture the position, inclination and orientation of the implant.

This allows you to produce abutments and prosthetic parts that are perfectly adapted to your patient's morphology.



### THE ART OF GUIDED SURGERY ACCESSIBLE TO ALL

Biotech Dental combines the performance of the Kontakt™PL implant with NemoScan technology to **easily give you access to guided surgery.**



[www.biotech-planningcenter.com](http://www.biotech-planningcenter.com)





# 4

## A SINGLE SURGICAL KIT FOR ALL THE IMPLANTS IN THE KONTACT™ RANGE

The entire Kontakt™ Implant range utilizes one simple, ergonomic surgical kit.



A COMPLETE PROSTHETIC RANGE  
DEVELOPED TO SIMPLIFY AND OPTIMISE  
YOUR AESTHETIC RESULTS



SUITABLE PROSTHETIC SOLUTIONS  
FOR ALL INDICATIONS

- ✓ Cement-retained and screw-retained prosthesis
- ✓ Removable prosthesis
- ✓ CAD CAM prosthesis







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# Kontakt N

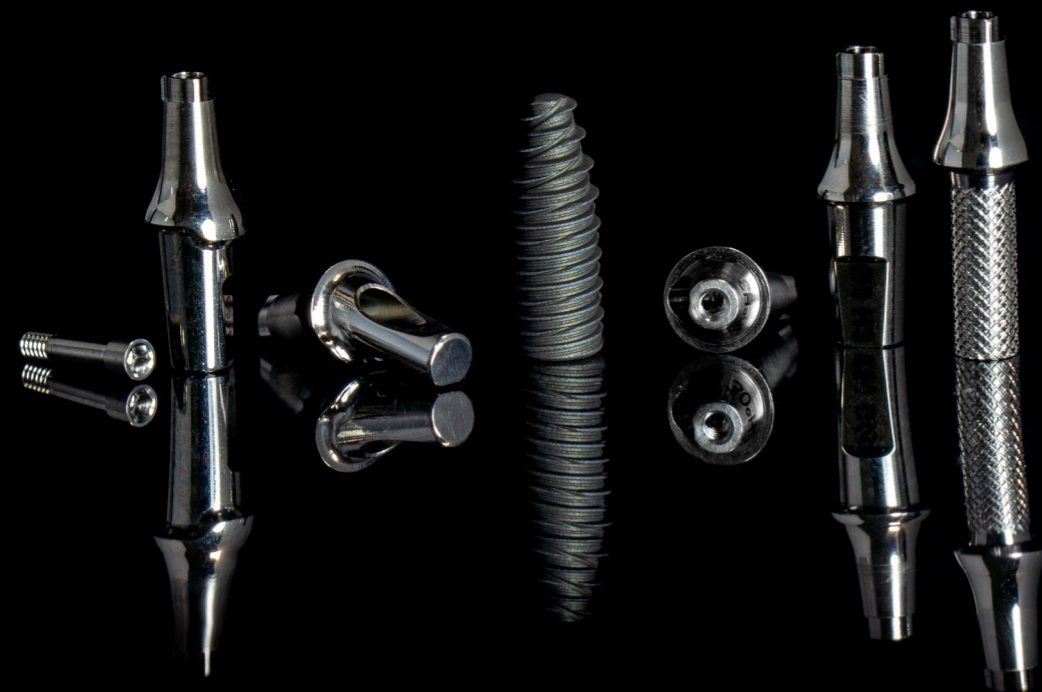
## NEW NANOSTRUCTURED SURFACE

improves  
osseointegration  
and reduces  
treatment times



BIOTECH DENTAL





## ABSTRACT

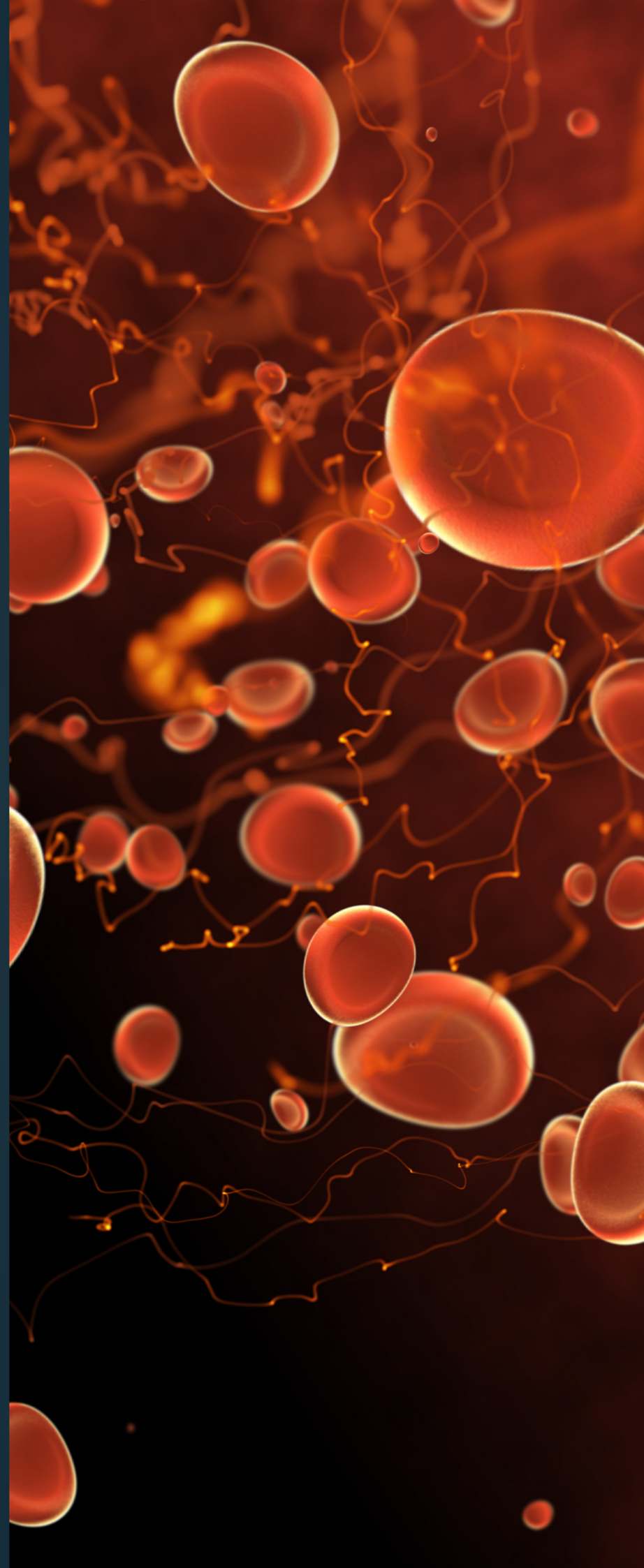
|  |      |
|--|------|
| A FASTER TREATMENT FOR YOUR PATIENTS .....             | p.4  |
| NANOSTRUCTURED SURFACE .....                           | p.6  |
| HIGHLY HYDROPHILIC SURFACE .....                       | p.8  |
| IMPROVEMENT AND ACCELERATION OF OSSEOINTEGRATION ..... | p.10 |
| HISTOLOGICAL STAINING .....                            | p.12 |
| COMPLETE AND RELIABLE IMPLANT RANGE .....              | p.14 |
| KONTACT™ N IMPLANT REFERENCES .....                    | p.22 |
| CLINICAL CASES .....                                   | p.23 |
| BIBLIOGRAPHY .....                                     | p.27 |



## A FASTER TREATMENT FOR YOUR PATIENTS

The nanostructured surface of the Kontakt™ N implant was developed to allow:

- **The acceleration** of osseointegration (via an increase in wettability),
- **Decrease** of the average marginal bone loss **and thus promoting secondary implant stability,**
- **Early or immediate loading** without compromising osseointegration.



- Primary stability (preexisting bone)
- ..... Secondary stability (neoformed bone)
- ← Nanostructured hydrophilic implant

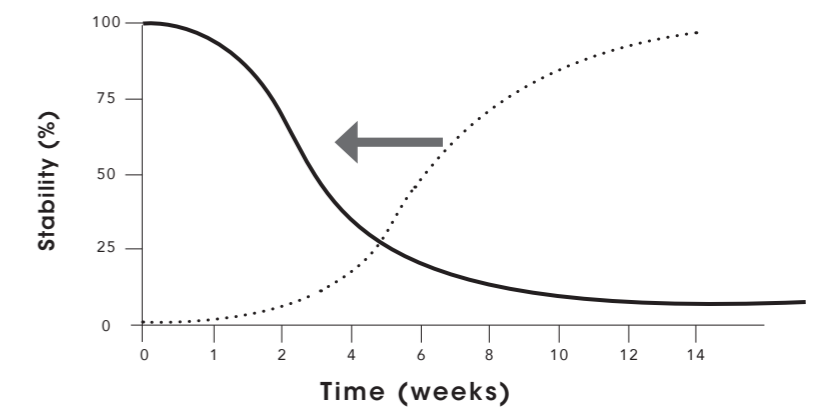


Diagram of the progressive decrease in the primary anchor (mechanical) and the gradual increase in secondary stability (biological) during the osseointegration process.

At the beginning of the healing phase, the primary stability (black line), purely mechanical, is responsible for the immobility of the implant<sup>1</sup>. Gradually, secondary stability (dotted line) is obtained by a neobone apposition in direct contact with the implant. This biological stability is accelerated in the presence of a highly nanostructured hydrophilic implant surface<sup>2</sup>.



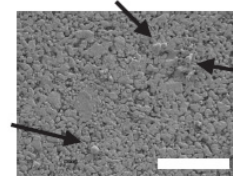
# 2

## NANOSTRUCTURED SURFACE

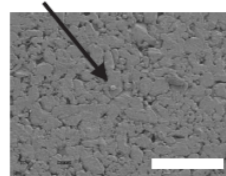
highly hydrophilic for adhesion and proliferation of osteoblasts

A nanostructured material is a material with size structures ranging between 1 and 100 nm. A surface is nanostructured if it has nanoscale roughness characterized by the presence of repetitive dimensions <math><1\mu\text{m}</math>.

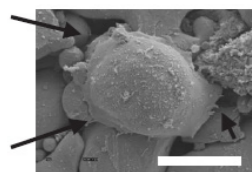
The nanostructured surface is an element conducive to increased adhesion of osteoblasts compared to conventional surfaces<sup>3</sup>.



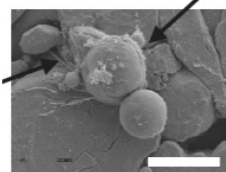
(a) Low magnification: osteoblasts on the nanostructured Ti6Al4V titanium alloy surface



(b) Low magnification: osteoblasts on the conventional Ti6Al4V titanium alloy surface

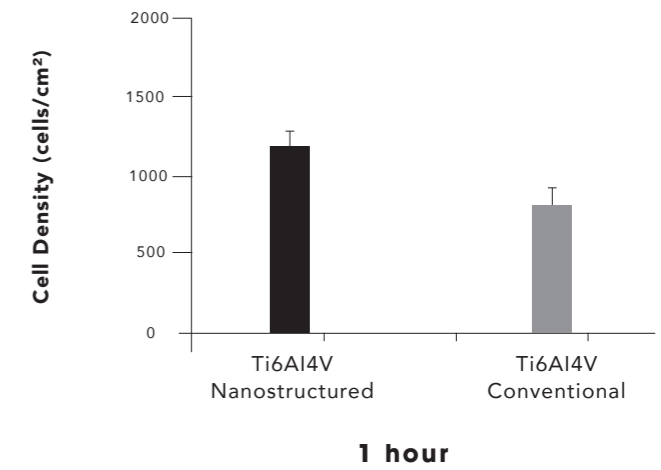
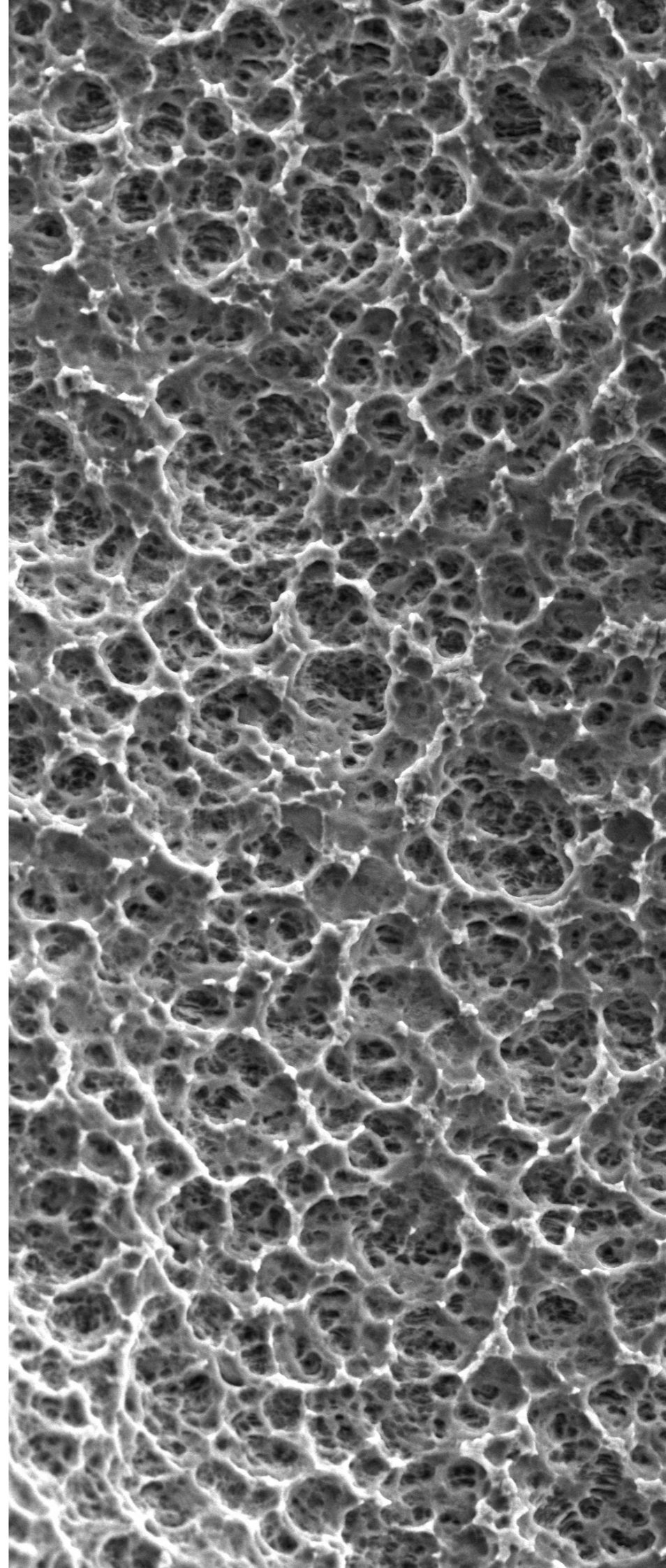


(c) High magnification: osteoblasts on the nanostructured Ti6Al4V titanium alloy surface

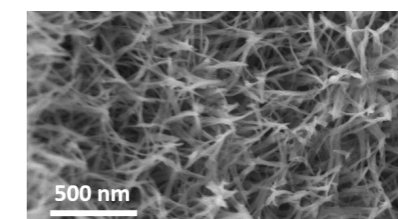
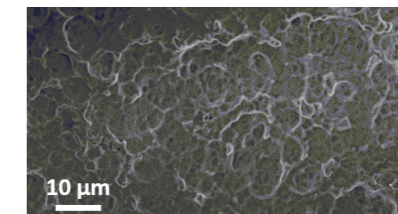
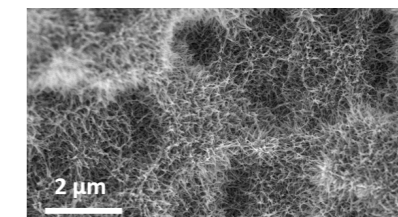


(d) High magnification: osteoblasts on the conventional Ti6Al4V titanium alloy surface

Osteoblasts observed using a scanning electron microscope on Ti6Al4V titanium alloy pellets with nanostructured and conventional surfaces. Adhesion time = 1 h (Webster & al. 2014)<sup>3</sup>.



Increased adhesion of the osteoblasts on the nanostructured Ti6Al4V titanium alloy surface versus the conventional Ti6Al4V titanium alloy surface. (adhesion time = 1 h). (Webster & al. 2014)<sup>3</sup>.



Kontakt™ N implant surface treatment with nanostructures (Scanning Electron Microscopy)<sup>2</sup>.



# 3

## HIGHLY HYDROPHILIC SURFACE

**The wettability of the surface** plays a significant role in optimizing the bone / implant contact.

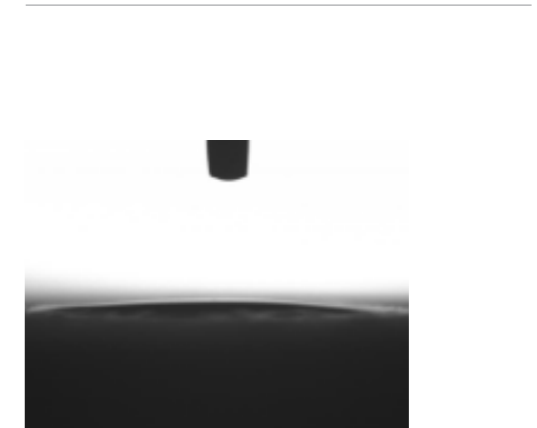
Highly hydrophilic surfaces are more favorable than hydrophobic surfaces concerning the interactions with biological fluids, cells and tissues perspectives<sup>4,5,6</sup>.

The Kontakt™ N implant is characterized by a highly hydrophilic nanostructured surface: **in favor of bone remineralization.**



**Contact angle measurements were performed** on the pellets with the Kontakt™ N surface treatment.

**The values obtained were all less than 10° and show a highly hydrophilic Kontakt™ N surface according to the recommendations of standard EN 828.**



Wetting liquid mimics the properties of blood

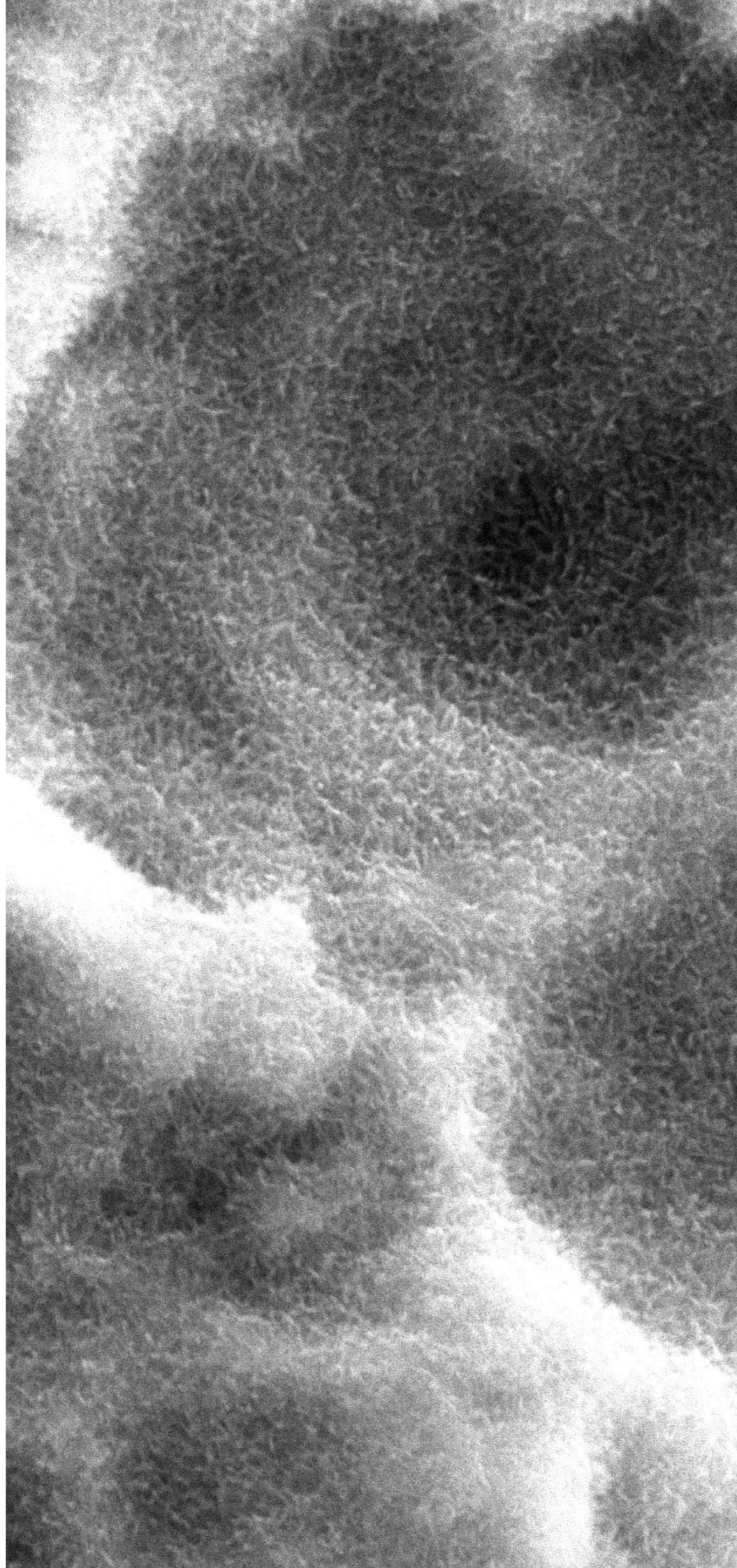
**Angle of contact < 10°**



# 4

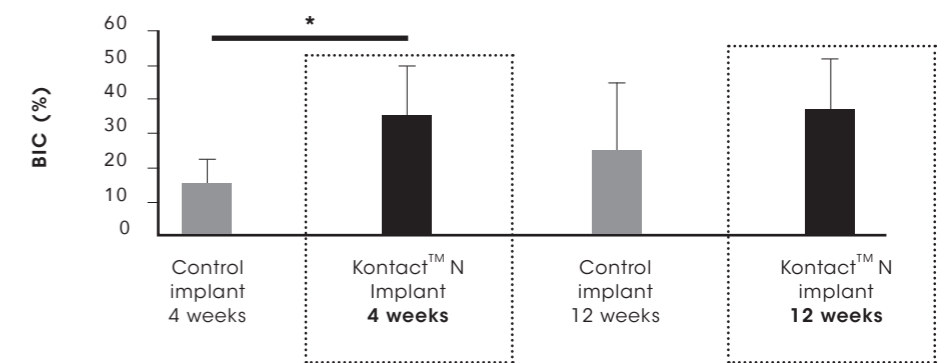
## IMPROVEMENT AND ACCELERATION OF OSSEOINTEGRATION

A preclinical study<sup>2</sup> on 6 Yucatan miniature pigs was performed to assess osseointegration (BIC %: bone / implant contact) at 4 and 12 weeks post-implantation for Kontakt™ N implant (implant test) with titanium grade V micro-rough / nanostructured surface dental versus implant with titanium grade V micro-rough / non-nanostructured surface.



The study demonstrates a higher BIC (% bone / implant contact) for Kontakt™ N implants than for control implants at 4 and 12 weeks:

statistically significant difference in the total BIC value (i.e. in the mandible and maxilla) ( $p < 0.05$ ) between the control implants and Kontakt™ N implants at 4 weeks post-implantation.



Percentage of bone / implant contact (BIC) of the control group versus test group at 4 and 12 weeks (\*  $p < 0.05$ ).

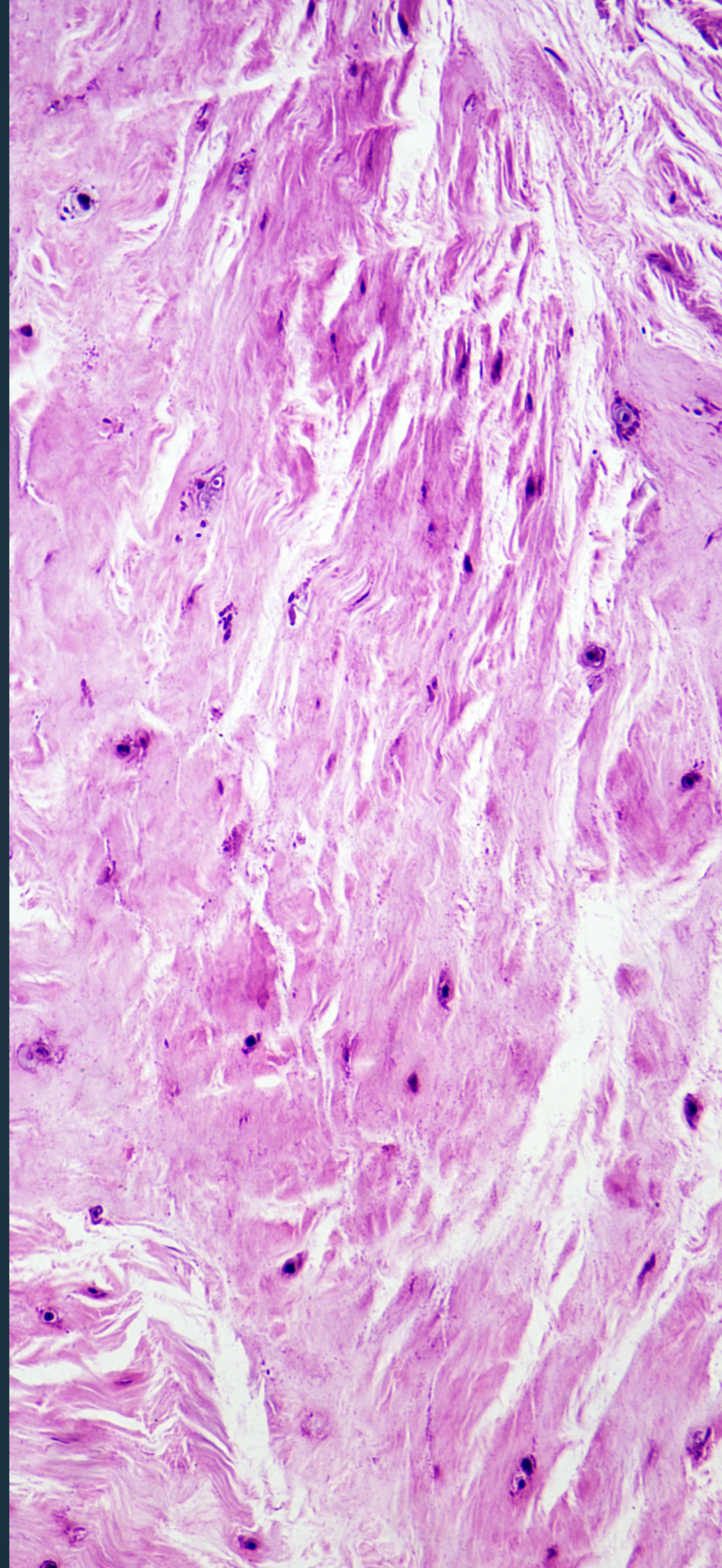


# 5

## HISTOLOGICAL STAINING

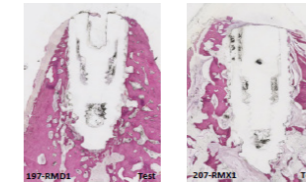
Histological staining (HES and Masson's Trichrome, 1.5x magnification) confirmed a proper osseointegration of the Kontakt™ N implant after 4 and 12 weeks.

Opposite: 2 histological images of Kontakt™ N implants inserted in the mandible and maxilla of miniature pigs pendant 4 and 12 weeks.

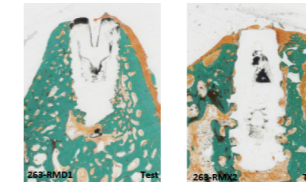


### 4 WEEKS

**Mandible**      **Maxilla**



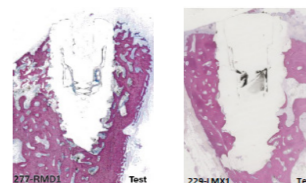
HES histological staining on 2 Kontakt™ N samples at 4 weeks post-implantation highlighting the presence of bone tissue (pink) in contact with the implants.



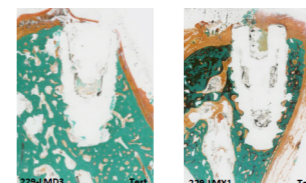
Masson's trichrome staining on 2 Kontakt™ N samples at 4 weeks post-implantation highlighting the presence of bone mineralization (green) in contact with the implants.

### 12 WEEKS

**Mandible**      **Maxilla**



HES histological staining on 2 Kontakt™ N samples at 12 weeks post-implantation highlighting the presence of bone tissue (pink) in contact with the implants.



Masson's trichrome staining on 2 Kontakt™ N samples at 12 weeks post-implantation highlighting the presence of bone mineralization (green) in contact with the implants.



## A COMPLETE AND RELIABLE IMPLANT RANGE

for predictable  
and esthetic results



### AN EFFICIENT IMPLANT DESIGN

- **Cylindro-conical profile:** gradual bone condensation ensures better primary stability.
- **Surface Increaser:** the secondary thread increases the developed surface-area and promotes distribution of pressure on the immediate bone environment.
- **Constant Leaf:** the continuous sharp wings over the entire length of the implant optimize stability, reducing the bone insertion effort.
- **Chamfered and micro-structured implant neck:** the advanced chamfer design holds sufficient coagulum to enable bone construction which reinforces peri-implant soft tissue by creating an additional surface.
- **Atraumatic spherical apex** protects anatomical structure during surgery.





## THE APPROPRIATE MATERIAL AND IMPLANT SURFACE

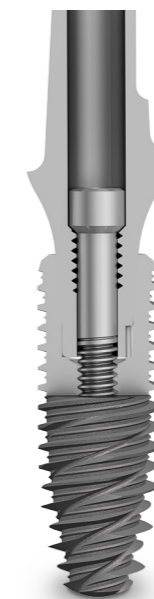
**Medical Titanium Alloy** - grade V with nanostructured (with dimensions  $< 1 \mu\text{m}$ ), micro-rough ( $R_a=1-2 \mu\text{m}$ ) and hydrophilic (angle of contact  $< 10^\circ$ ) surface treatment that confer optimal wettability favorable to the adhesion of osteogenic cells for faster osseointegration.

## OPTIMAL CONNECTION

**Morse-Taper connection ( $10^\circ$ ):** bacterial sealing and perfect implant-abutment adjustment, eliminate micro-movements. It strengthens the mechanical resistance of the implant-abutment torque.

**STSystem indexation:** patented Morse-Taper connection presenting six positions in the implant and three in the abutment. Easy insertion of the abutment enables intuitive, fast and reliable repositioning of the prosthetic components.

Same connection as the Kontakt™ implant

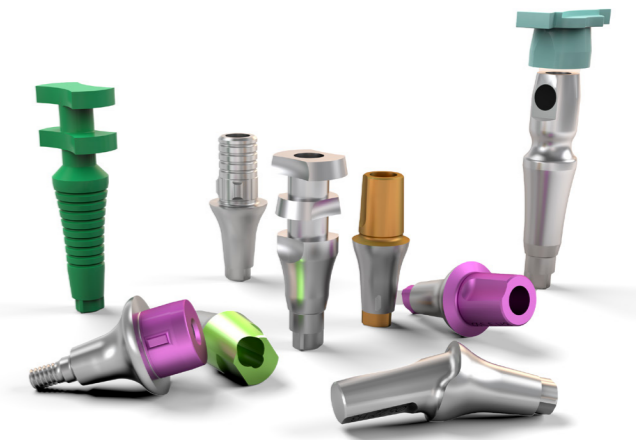






## A WIDE RANGE OF PROSTHETIC SOLUTIONS

- **Single and multi-unit rehabilitation:** cement-retained, screw-retained, telescopic.
- **Stabilization of the prosthesis** with a line of Locators® and Iso-Post abutments.
- **Custom-made abutments** with a line of TiBases and Scanbodies as well as our specialized CAD/CAM machining center.



## LONG-LASTING AESTHETIC RESULTS FOR YOUR PATIENTS

- **Platform-Switching** promotes peri-implant bone and gum tissue stability<sup>7,8,9</sup> and enhances **aesthetic results**.
- **The concave profile** of the healing screws in various diameters creates an emergence profile that is perfectly suited to the tooth being replaced.
- **The 2 mm subcrestal position increases and consolidates the volume of peri-implant tissue**<sup>10,11,12</sup> which, by forming mucosal domes, promotes the preservation and formation of papilla for lasting aesthetic results.

Same prosthetic parts as the Kontakt™ implant





## A SINGLE KIT FOR ALL KONTACT™ IMPLANTS


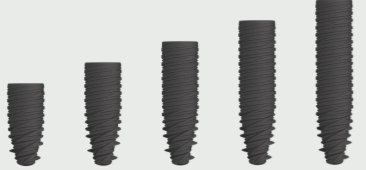

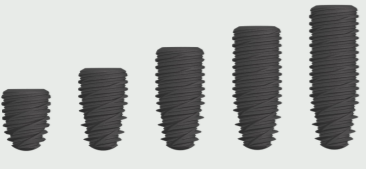

- **Compact** for optimal storage.
- **Readable** thanks to colour markings for quick identification of instruments.
- **Practical** with fast and easy opening for instrument access.
- **Fully disassemblable** for a complete autoclavable cleaning.



## PRACTICAL AND EFFECTIVE TOOLS FOR A SUCCESSFUL SURGERY

- **Drills and reamers** protected by an innovative and patented **PVD coating**.
- **Reduced** heating of the drill during cutting.
- **Protection** against oxidation.
- **Increased cutting quality** and delayed wear.
- **More distinct marking:** enhances visibility and provides a better assessment of the drilling depth.



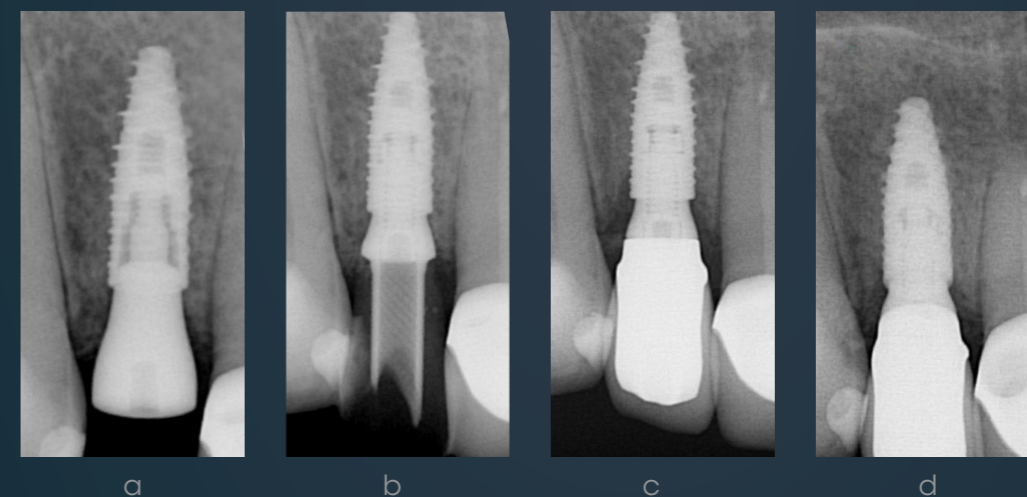
|   | Reference | Diameter | Length |
|---|-----------|----------|--------|
|    | K3010N    | Ø 3 mm   | 10 mm  |
|   | K3012N    |          | 12 mm  |
|   | K3014N    |          | 14 mm  |
|    | K3608N    | Ø 3.6 mm | 8 mm   |
|   | K3610N    |          | 10 mm  |
|   | K3612N    |          | 12 mm  |
|   | K3614N    |          | 14 mm  |
|   | K3616N    |          | 16 mm  |
|   | K4206N    | Ø 4.2 mm | 6 mm   |
|   | K4208N    |          | 8 mm   |
|   | K4210N    |          | 10 mm  |
|   | K4212N    |          | 12 mm  |
|   | K4214N    |          | 14 mm  |
|   | K4216N    |          | 16 mm  |
|  | K4806N    | Ø 4.8 mm | 6 mm   |
|   | K4808N    |          | 8 mm   |
|   | K4810N    |          | 10 mm  |
|   | K4812N    |          | 12 mm  |
|   | K4814N    |          | 14 mm  |
|  | K5406N    | Ø 5.4 mm | 6 mm   |
|   | K5408N    |          | 8 mm   |
|   | K5410N    |          | 10 mm  |
|   | K5412N    |          | 12 mm  |
|   | K5414N    |          | 14 mm  |

# 7

## CLINICAL CASES

### 1 - Case reported by Dr. Jean-Francois THIBAUT (France)

Site No. 12 restored with a K3610N implant positioned subcrestally (2 mm) in a recently edentulous site following a cavity. A 1- step surgical technique with early provisional loading.



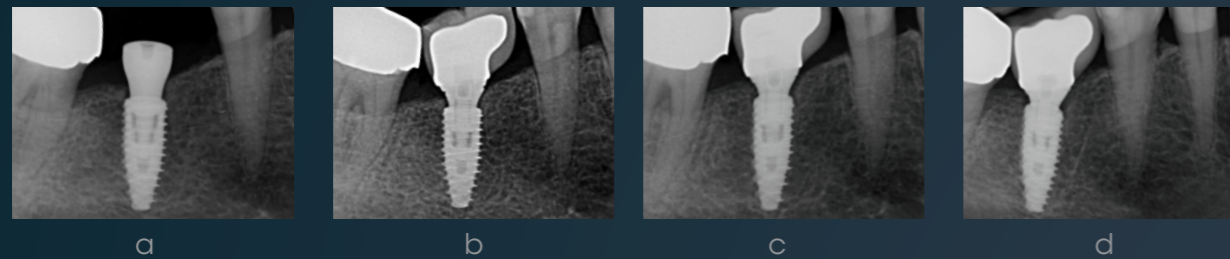
- (a) Postoperative retroalveolar.
- (b) Provisional loading in the 7 days following implantation.
- (c) Final loading in the 56 days following implantation.
- (d) Retroalveolar at 6 months following implantation.



## 2 - Case reported by Dr. Michel LAYET (France)

Site No. 46 restored with a K4210N implant positioned subcrestally (1 mm) in a formerly edentulous site (>6 months) following a cavity.

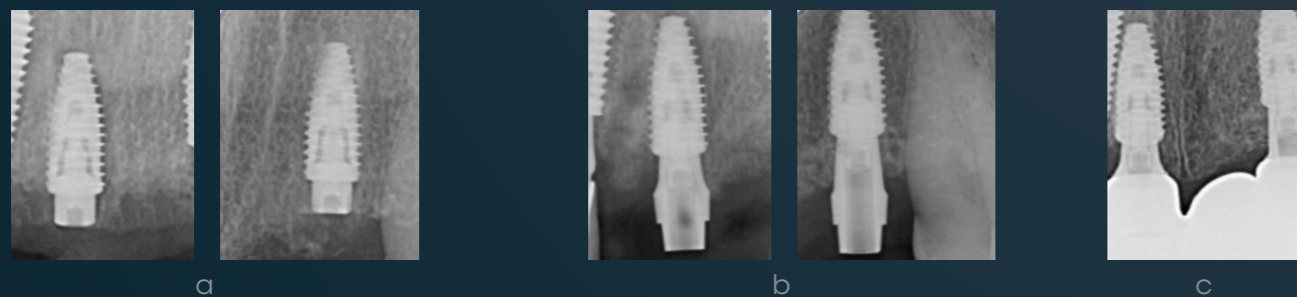
A 1-step surgical technique using the Iso-Post prosthetic system by Biotech Dental.



(a) Postoperative retroalveolar.  
 (b) Retroalveolar during final loading at 59 days following implantation showing a 1mm supracrestal bone regrowth.  
 (c) Retroalveolar at 4 months following implantation showing a 2 mm crestal bone regrowth.  
 (d) Retroalveolar at 6 months following implantation.

Sites No. 11 and No. 22 restored with two K4210N implants positioned subcrestally (2 mm) in recently edentulous sites (<6 months) following a periodontal disease.

A 2-step surgical technique using the Iso-Post prosthetic system by Biotech Dental.



(a) Postoperative retroalveolar.  
 (b) Deferred provisional loading at 68 days post-implantation showing a significant supracrestal bone regrowth.  
 (c) Retroalveolar at 6 months following implantation.

## 3 - Case reported by Dr. Bertrand ROUSSELET (France)

Sites No. 36, 37, 46, 47 restored with 4 K4208N implants positioned subcrestally (0.5mm) in recently edentulous sites as a result of cavities.

A 1-step surgical technique with deferred loading for sites No. 36 and 37 and a 2-step surgical technique for sites No. 46 and 47.

Sites No. 46 and 47



Sites No. 46 and 47



Sites No. 46 and 47



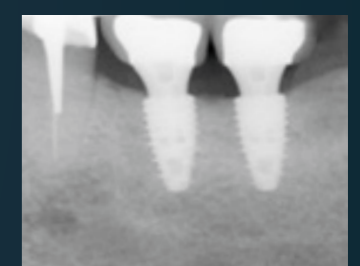
Sites No. 36 and 37



Sites No. 36 and 37



Sites No. 36 and 37



(a) Postoperative retroalveolar

(b) Retroalveolar at 2 months following implantation

(c) Retroalveolar at 6 months following implantation



#### 4 - Case reported by Dr. Elias KHOURY (France)

Sites No. 25 and 26 restored with K3610N and K4210N implants positioned subcrestally (2 mm) in a formerly edentulous site following a periodontal disease. A 2-step surgical technique.



a

b

c

(a) Postoperative retroalveolar.

(b) Retroalveolar at 2 months following implantation.

(c) Retroalveolar at 6 months following implantation showing a 2 mm supracrestal bone regrowth.

# 8

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# BIOTECH DENTAL KONTACT

## BIOTECH DENTAL KONTACT S



SURGERY





**BIOTECH DENTAL GROUP, 2.0 DENTAL OFFICE PARTNER.**

Since its creation in 1987, Biotech Dental has been committed to building a trusting and lasting relationship with dental surgeons and dental technicians. Together we design and develop a range of product that is continually more adapted to the challenges of the future.

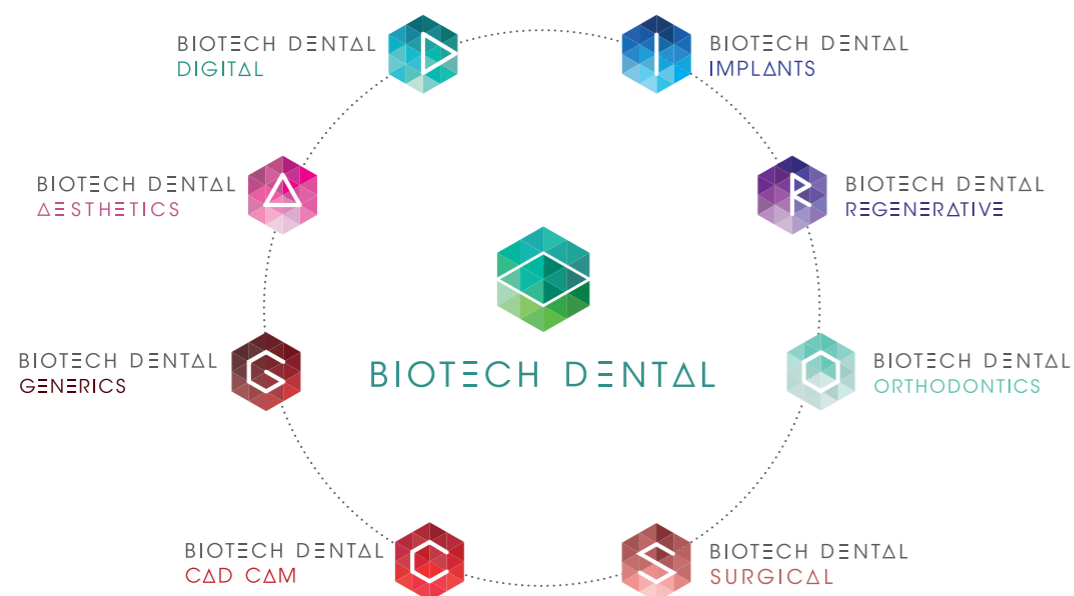
We have positioned ourselves at the crossroads of our customers' expectations, innovation and technology. Giving dentists the ability to suggest the best products at the best price to their patients is Biotech Dental's first objective.

With more than a million dental implants sold, we have improved the lives of thousands of patients worldwide thanks to all the dental surgeons who trust us. Driven by our expertise and know-how, we have chosen to be pioneers of this development through innovative technologies.

In recent years, we have integrated new skills, invested over 10 % of our turnover in research and development to be able to develop and propose solutions on the cutting edge of innovation. Biotech Dental is a privileged partner for dental practitioners. Our wide range of products and services provides an added value to answer all their patient's needs.

Make excellence and innovation affordable is an integral part of Biotech Dental vision. All our services and products enhance the dental office 2.0.

Philippe VÉRAN  
President



**TABLE OF CONTENTS**

Kontakt® Implant characteristics ..... p.06

Kontakt S® Implant characteristics ..... p.07

Six-Three System® connection ..... p.08

Special Ø 3 mm ..... p.10

Abutment / implant interface study ..... p.11

Kontakt® surface treatment ..... p.12

Kontakt S® surface treatment ..... p.13

Implant packaging ..... p.14

Kontakt® implants references ..... p.15

Kontakt S® implants references ..... p.16

Surgical kit ..... p.17

Instruments ..... p.18

Drill bit for implant removal ..... p.21

Drilling Protocol ..... p.22

Full removable stops kit ..... p.24

Gauge for paro tissue / Healing screws ..... p.25

Osteosynthesis kit Fix' In ..... p.27

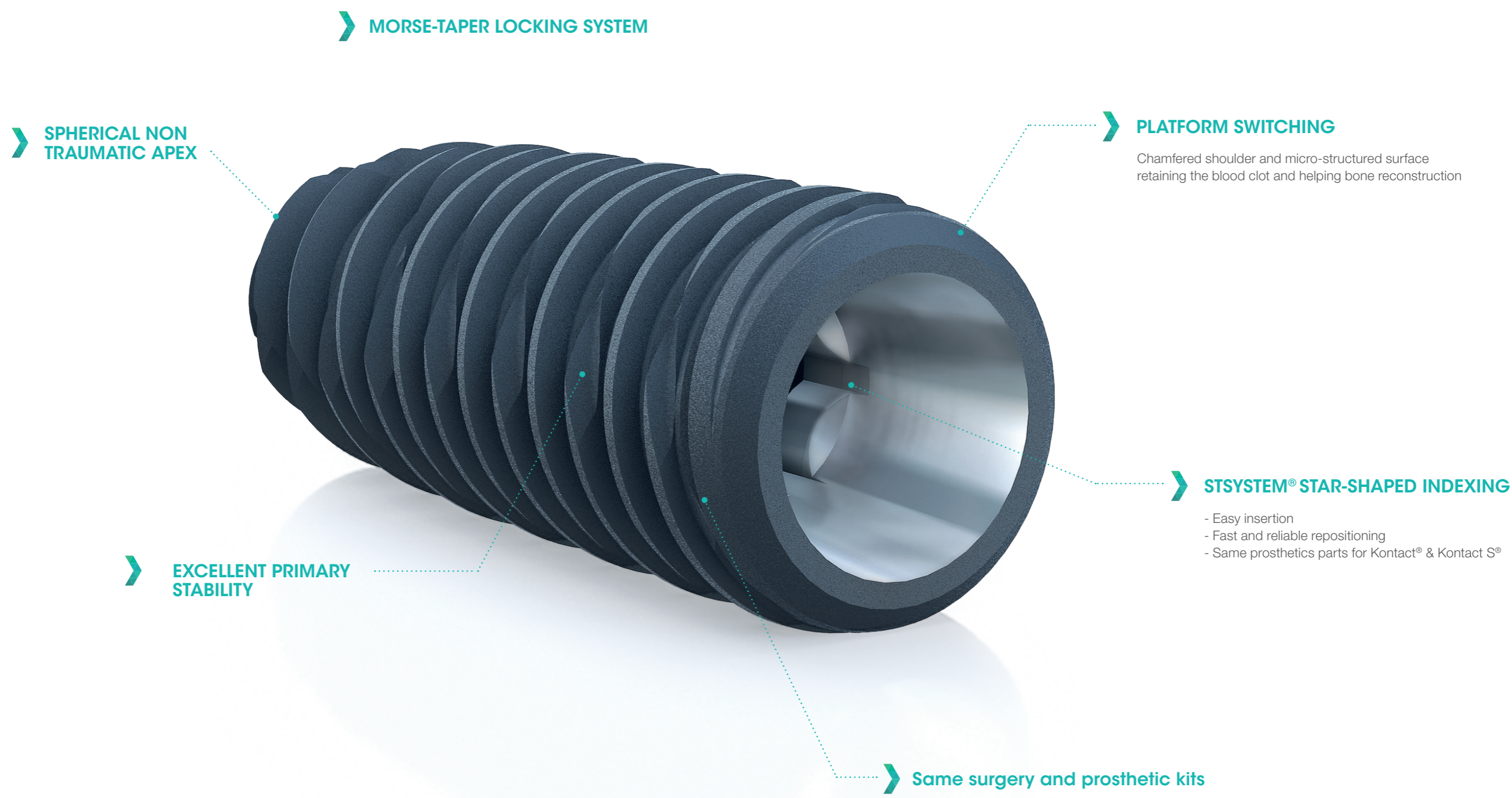
Guided surgery kit AtlaSurgery ..... p.29

General information ..... p.35



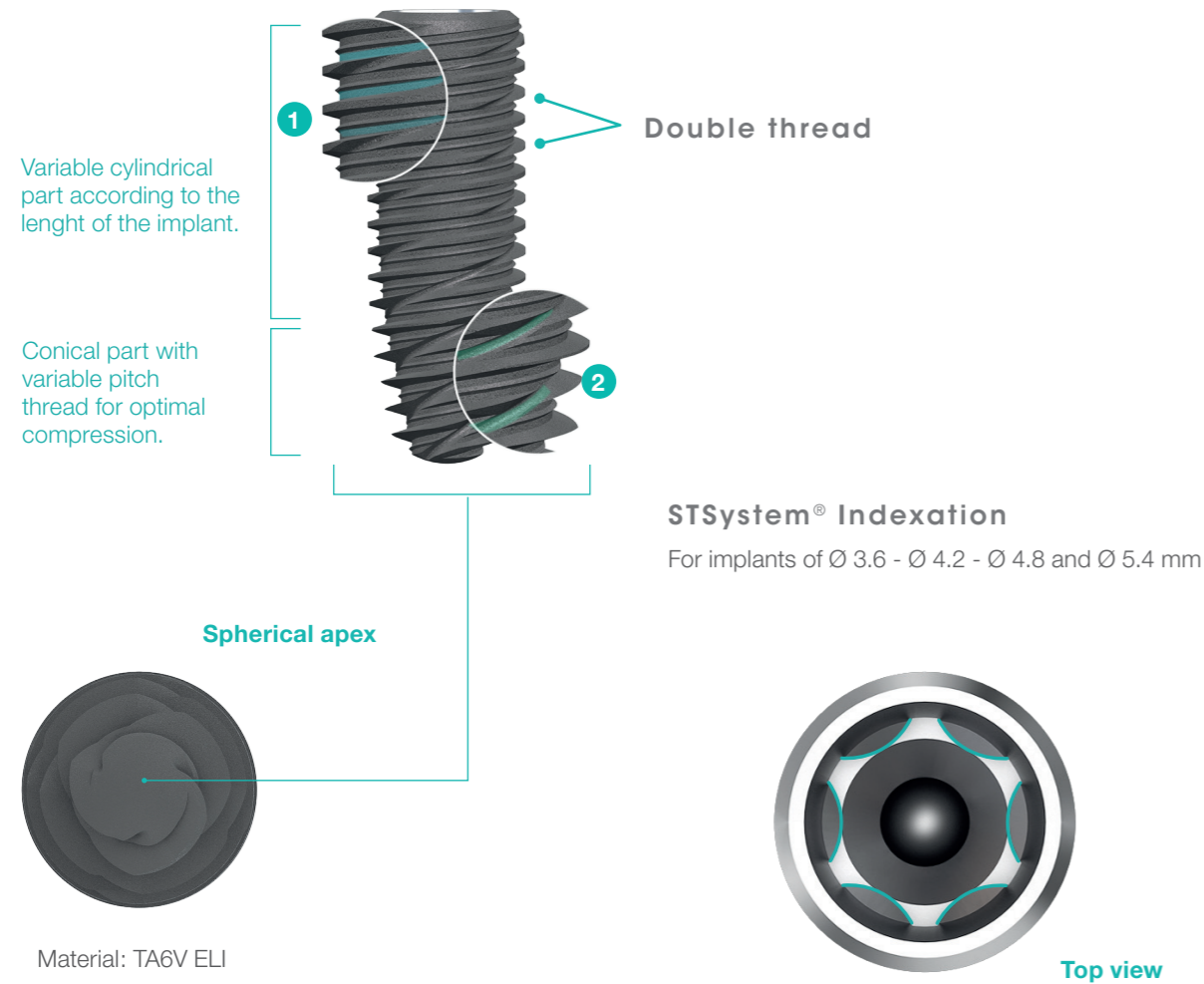


# KONTACT® & KONTACT S® IMPLANTS





## KONTACT® IMPLANT CHARACTERISTICS



- 1 Surface Inserter:**  
Secondary thread increasing the surface area and improving the distribution of forces to the surrounding bone.
- 2 Constant Leaf:**  
Continuous cutting blades along the implant optimising the force and the stability of insertion into the bone.

## KONTACT® IMPLANT CHARACTERISTICS

- Most clinical indications,
- Dental agenesis,
- Immediate post-extraction implant placement, with or without bone regeneration.

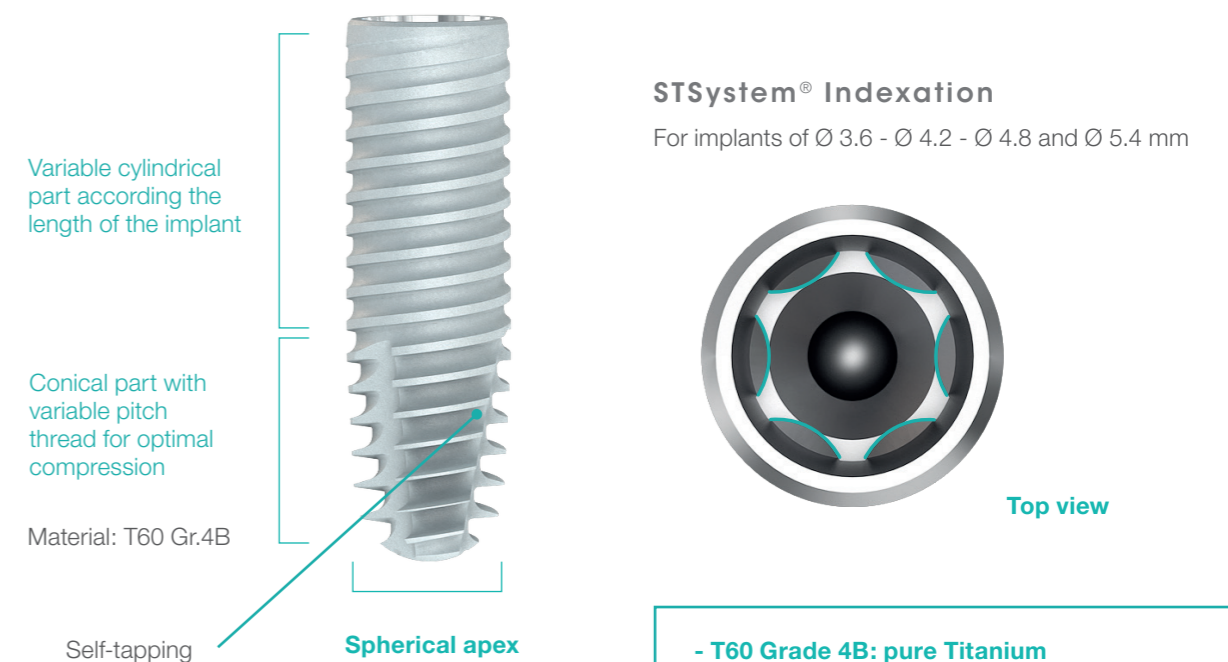
## KONTACTS® IMPLANT CHARACTERISTICS

The Kontakt S® was born from a change in the thread design and Titanium Grade of the Kontakt® implant in accordance with the existing range philosophy.

The new thread combined with a Titanium grade 4 (submitted to a sand blasted and acid etched treatment coating) gives better resistance and biocompatibility properties, along with smooth and steady insertion into the bone.

The Kontakt S® is a softened clinical alternative with a high added value in a neoformed bone following guided bone regenerations, or with bone of hard density:

- Easy insertion for all clinical situations,
- Primary stability maximisation,
- Occlusal forces repartition optimisation.



- T60 Grade 4B: pure Titanium
- Sand-blasted and etched surface treatment
- Patented STS® connection
- Drilling comfort
- Same prosthetic kits and prosthetic components as Kontakt® implant

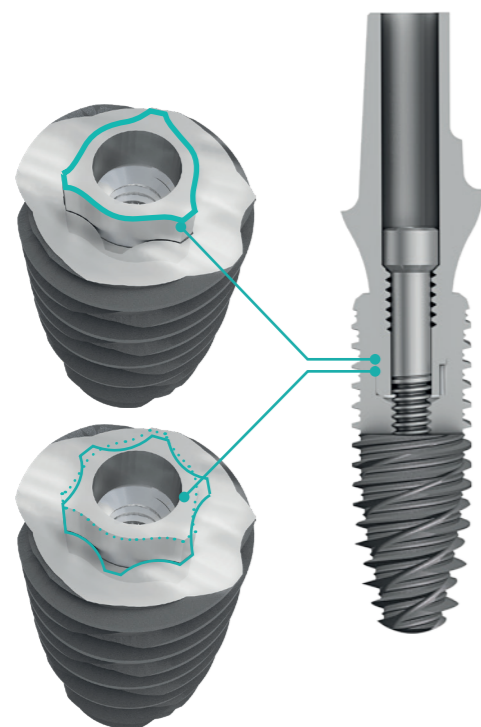
## KONTACTS® IMPLANT CHARACTERISTICS

- Most clinical indications,
- Sinus lifts,
- Regenerated bone sites,
- Bone of high density D1/D2.



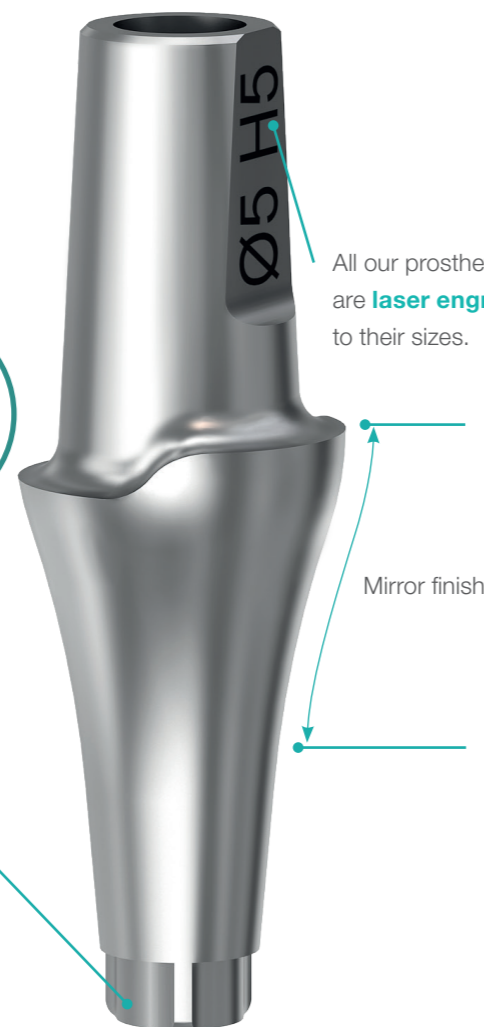
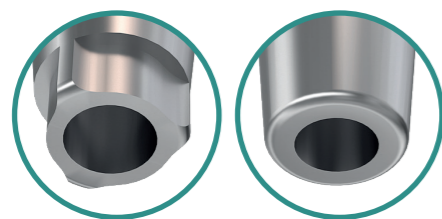
## SIX-THREE SYSTEM® CONNECTION

Same connection for Kontakt® and Kontakt S®



Resistant assembly  
Tight sealed connection  
Easy to insert  
**Fast & reliable** to reposition

Abutments exist in **indexed** and **non-indexed** version.



All our prosthetic components are **laser engraved** according to their sizes.

Mirror finish

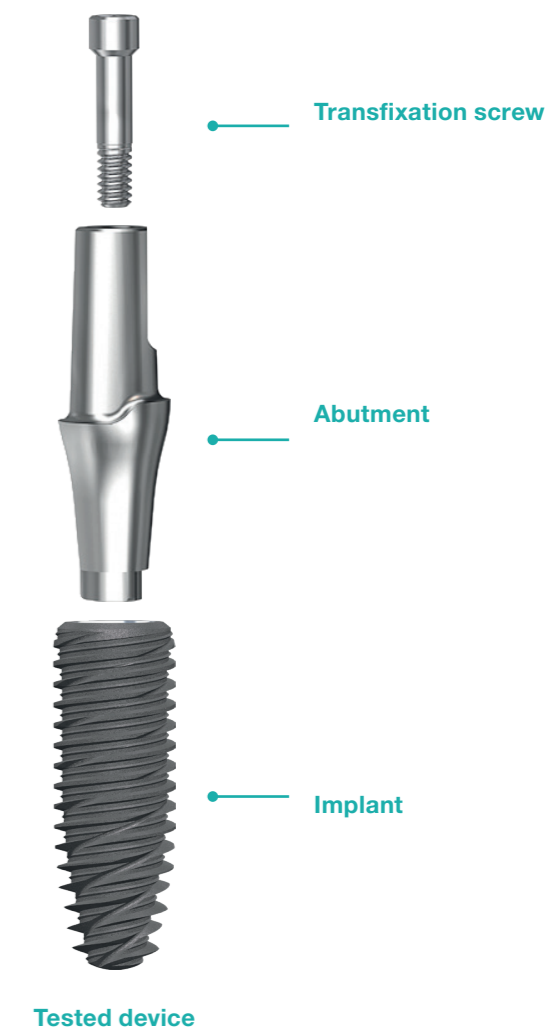
## SIX-THREE SYSTEM® CONNECTION

The Kontakt® range\* has a **Morse-taper** locking system. This system stabilizes the implant-abutment connection and offers remarkable and recognized mechanical and physiological advantages:

- **Strong resistance to stretching and torsion: the parts are perfectly interlocked,**
- **No deforming or breaking movement of the screw.**

### Preclinical study

A study, for Kontakt® implant, aimed at appraising the quality of the sealed connection between the prothetic stage and the implant has enabled to highlight the reliability of our system. It has demonstrated that our mounting system met all required tight sealed criteria (*Study N° 29J of 30/12/2013*).



### Platform switching

The principle of platform switching is the use of **under dimensioned (diameter) prosthetics connections compared to the implant neck diameter. This improves the bone crest preservation** and leads to controlled biological **space reposition**. This favours bone stability (by restricting peri-implant bone resorption) and the **aesthetic outcome**.



The Kontakt® range **provides excellent tissue preservation**. The combination of a Morse-taper connection and the principle of platform switching guarantees a perfectly **tight connection against microbial growth** and a completely **stable, reliable, and durable screw-abutment-implant structure**.

\*The Kontakt® range includes Kontakt® and Kontakt S® implants.

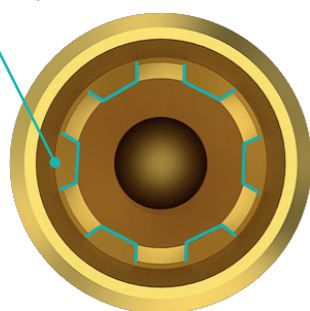


**SPECIAL Ø 3 mm**  
**Only for single-cement-retained rehabilitation**

**Implant characteristics**

**Diameter 3 mm**

Indexing 6 faces by fluted impressions for 3 mm diameter implant.



3 mm diameter implants are designed for small spaces in the incisor and canine area, for single cement-retained prothesis only.

View of the analog connection

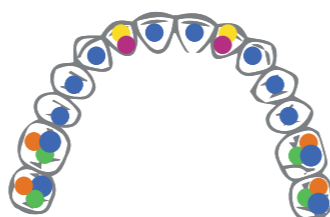
All parts relating to diameter 3 mm implant are identifiable by yellow dotted lines.

**NOTE:** For Ø 3 mm implants, a short cover screw (ref. K30VRC) is delivered as standard equipment. The high cover screw (ref. K30VRCE) is available on demand (free of charge). These screws are yellow.



In order to avoid blocking the screws into the implant, thoroughly clean the inside to eliminate the blood.

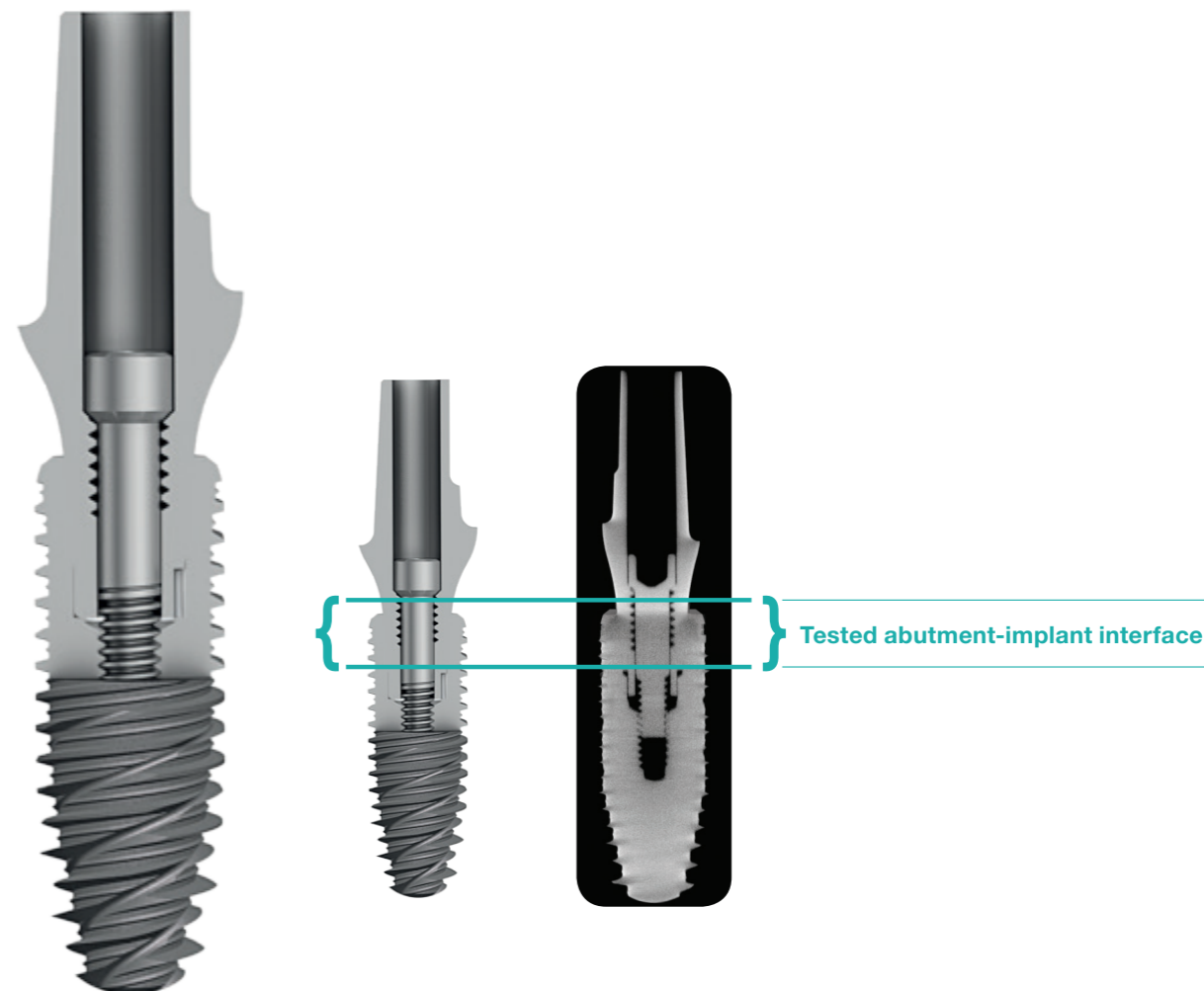
**Recommendation of implant diameter**



● Ø 3 mm

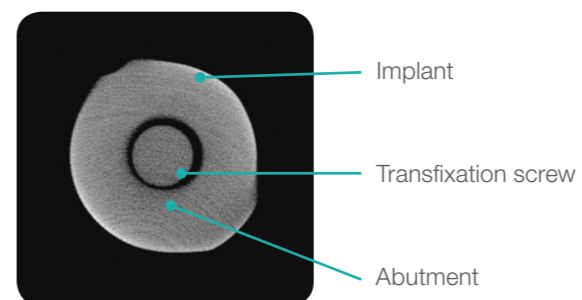


**ABUTMENT / IMPLANT INTERFACE STUDY**  
 Same connection for Kontakt® and Kontakt S®



Tested abutment-implant interface

**Assembled device**



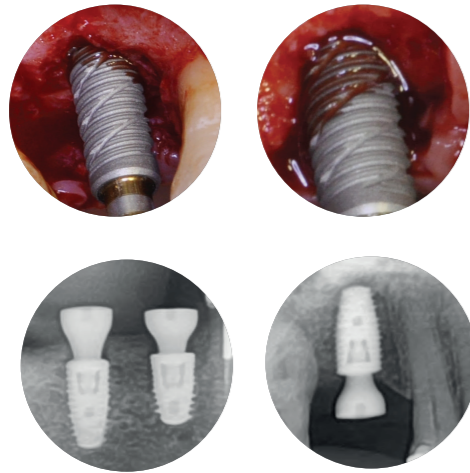
Implant  
 Transfixation screw  
 Abutment

Perfect junction around the entire periphery.



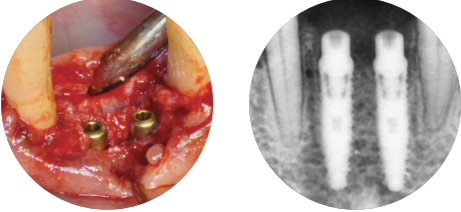
## KONTACT® SURFACE TREATMENT

The Kontakt® implant has a **passivated and acid etched surface** promoting quality cell growth and adhesion. It improves the contact between the implant and the bone. Osseointegration is optimized compared to an untreated implant.

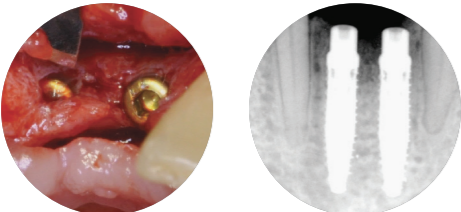


Hydrophilicity and wettability promoting bone regrowth outside the cervical part of the implant.

Sandblasted passivated surface for optimal bone apposition to the interface.



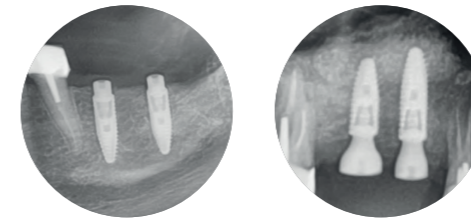
**A** **Implant insertion day: buried implants and 2 mm cover screw.**



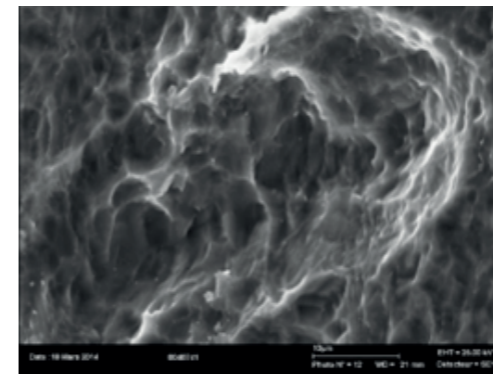
**B** **Loading: bone regrowth around the implants, cover screw partially covered with healing bone.**

## KONTACT S® SURFACE TREATMENT

**Kontakt S®** implant is in grade 4 Titanium with sand-blasted and acid-etched surface treatment.



Sandblasted passivated and acid etched surface for optimal bone apposition.



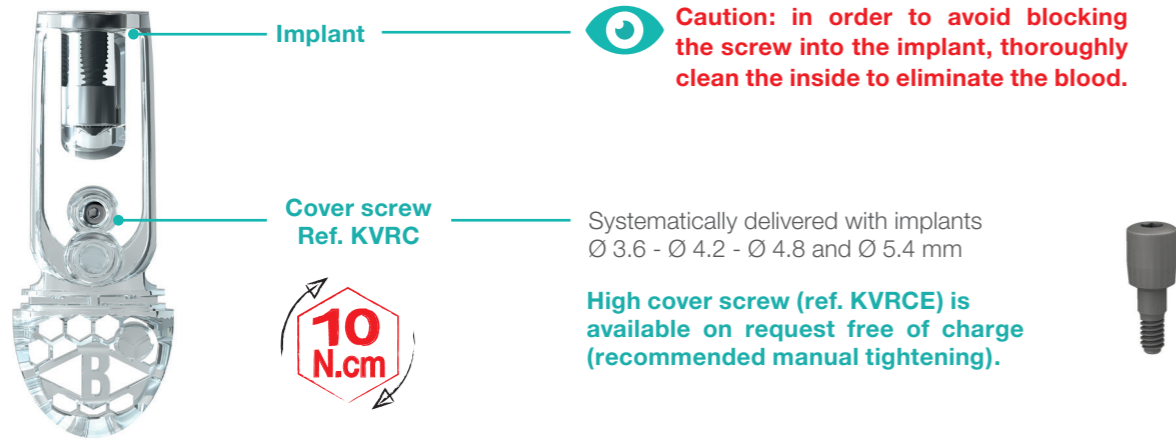
Surface Treatment View x 2000





## IMPLANT PACKAGING

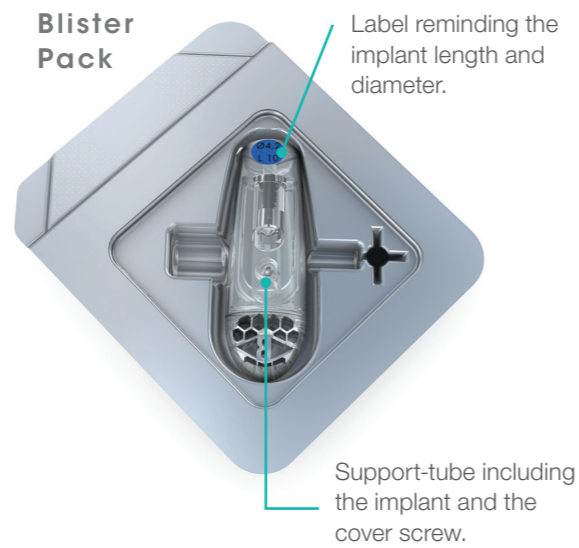
Contact® and Contact S® implants are supplied in an elegant and practical support-tube. The healing screw is systematically delivered with the implant.



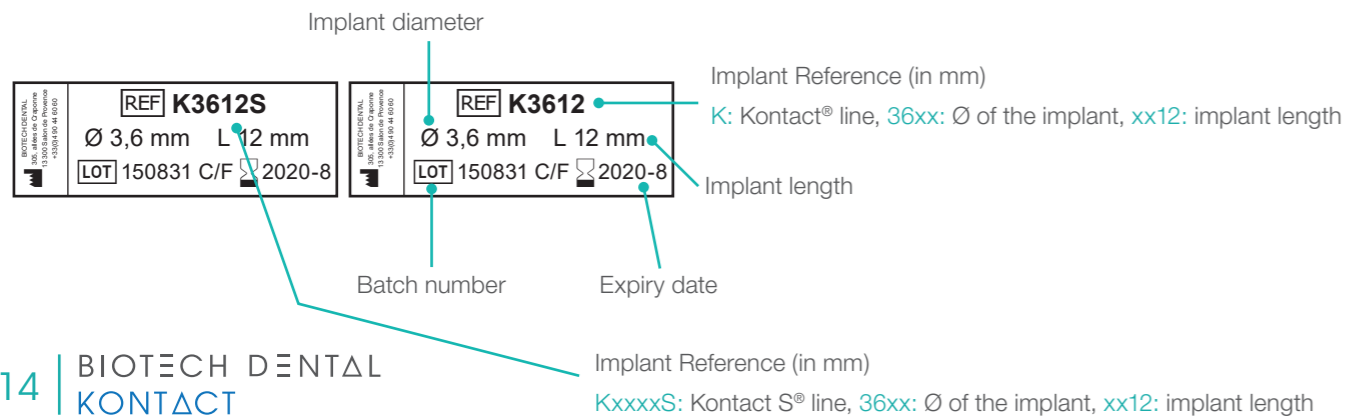
### Packaging



### Blister Pack



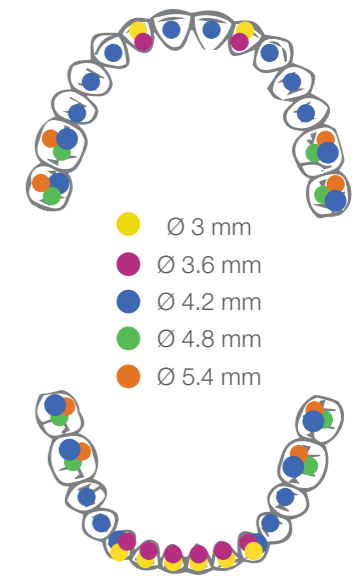
### Label



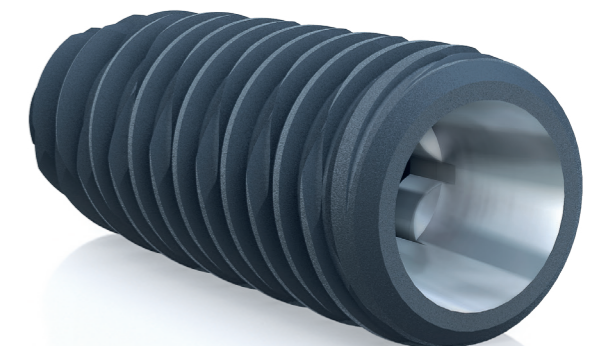
## KONTACT® IMPLANTS REFERENCES

| References | Diameter | Length |
|------------|----------|--------|
| K30-10     | Ø 3 mm   | 10 mm  |
| K30-12     |          | 12 mm  |
| K30-14     |          | 14 mm  |
| K3608      | Ø 3.6 mm | 8 mm   |
| K3610      |          | 10 mm  |
| K3612      |          | 12 mm  |
| K3614      |          | 14 mm  |
| K3616*     |          | 16 mm  |
| K4206      | Ø 4.2 mm | 6 mm   |
| K4208      |          | 8 mm   |
| K4210      |          | 10 mm  |
| K4212      |          | 12 mm  |
| K4214      |          | 14 mm  |
| K4216*     |          | 16 mm  |
| K4806      | Ø 4.8 mm | 6 mm   |
| K4808      |          | 8 mm   |
| K4810      |          | 10 mm  |
| K4812      |          | 12 mm  |
| K4814      | Ø 5.4 mm | 14 mm  |
| K5406      |          | 6 mm   |
| K5408      |          | 8 mm   |
| K5410      |          | 10 mm  |
| K5412      | Ø 5.4 mm | 12 mm  |
| K5414      |          | 14 mm  |

### Recommendation of implants diameters



\* 16 mm step drills and reamer drills are not delivered with surgical kit but available on request.

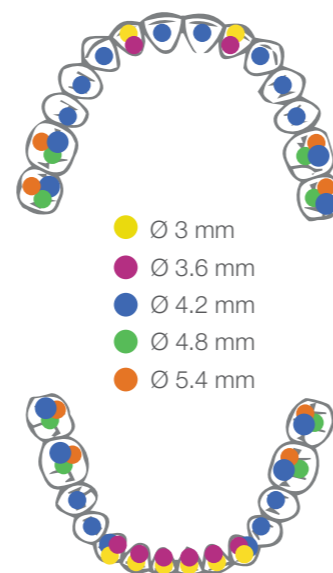




## KONTACT S® IMPLANTS REFERENCES

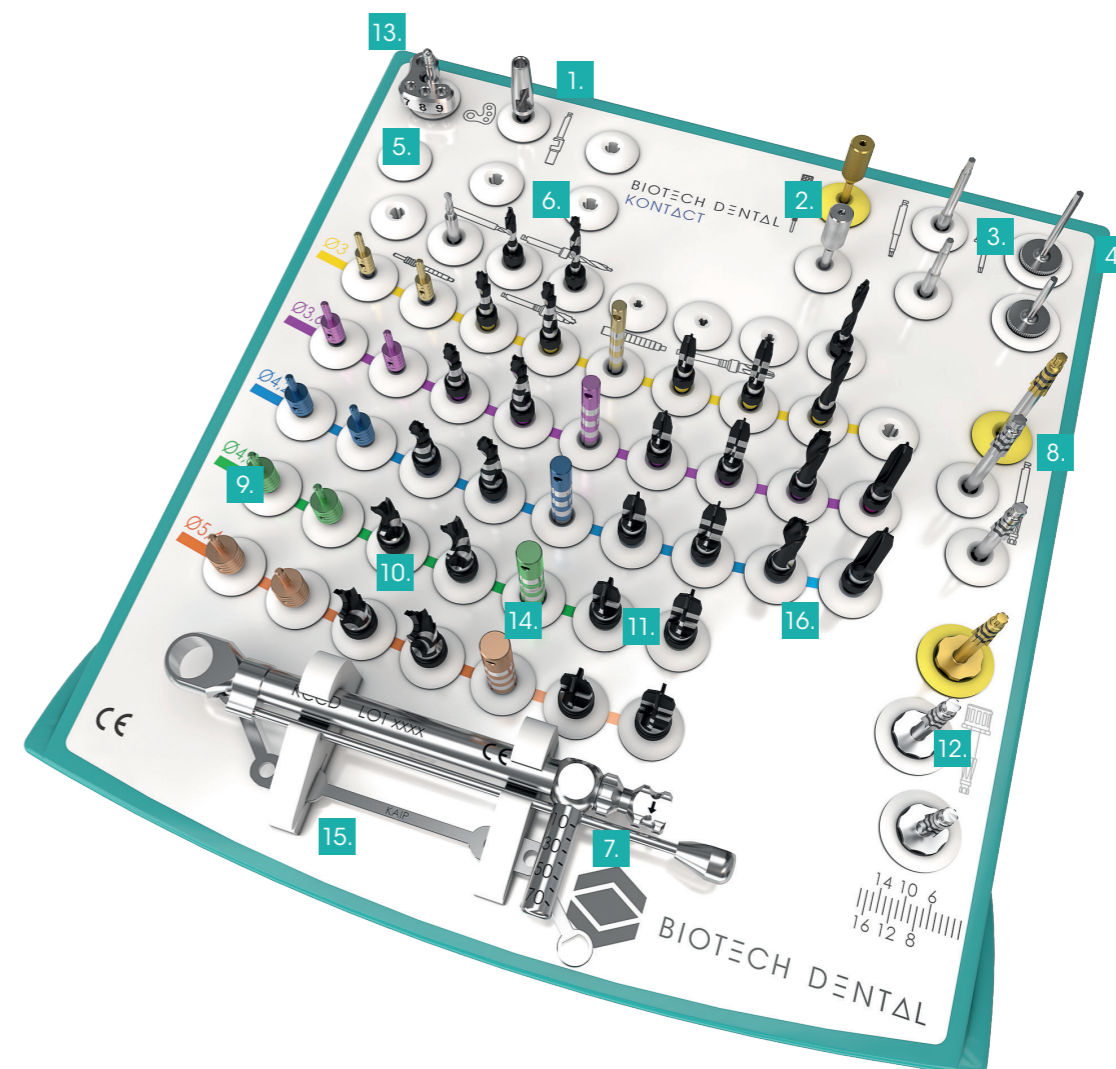
|  | Reference | Diameter | Length |
|--|-----------|----------|--------|
|  | K3010S    | Ø 3 mm   | 10 mm  |
|  | K3012S    |          | 12 mm  |
|  | K3014S    |          | 14 mm  |
|  | K3608S    | Ø 3.6 mm | 8 mm   |
|  | K3610S    |          | 10 mm  |
|  | K3612S    |          | 12 mm  |
|  | K3614S    |          | 14 mm  |
|  | K3616S    |          | 16 mm  |
|  | K4206S    | Ø 4.2 mm | 6 mm   |
|  | K4208S    |          | 8 mm   |
|  | K4210S    |          | 10 mm  |
|  | K4212S    |          | 12 mm  |
|  | K4214S    |          | 14 mm  |
|  | K4216S    |          | 16 mm  |
|  | K4806S    | Ø 4.8 mm | 6 mm   |
|  | K4808S    |          | 8 mm   |
|  | K4810S    |          | 10 mm  |
|  | K4812S    |          | 12 mm  |
|  | K4814S    | Ø 5.4 mm | 14 mm  |
|  | K5406S    |          | 6 mm   |
|  | K5408S    |          | 8 mm   |
|  | K5410S    |          | 10 mm  |
|  | K5412S    | Ø 5.4 mm | 12 mm  |
|  | K5414S    |          | 14 mm  |

### Recommendation of implants diameters



\* 16 mm step drills and reamer drills are not delivered with surgical kit but available on request.

## SURGICAL KIT




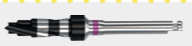
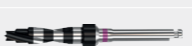












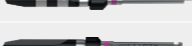







- 1. Drill extension
- 2. Drill bit for implant removal
- 3. Contra-angle screwdriver
- 4. Manual screwdriver / Torque wrench key
- 5. Marking drill Ø 1.5 mm
- 6. Pilot drills Ø 2 mm
- 7. Torque wrench key surgery
- 8. Implant mountdrivers for contra-angle
- 9. Axial gauges
- 10. Step drills
- 11. Reamer drills
- 12. Implant mountdrivers

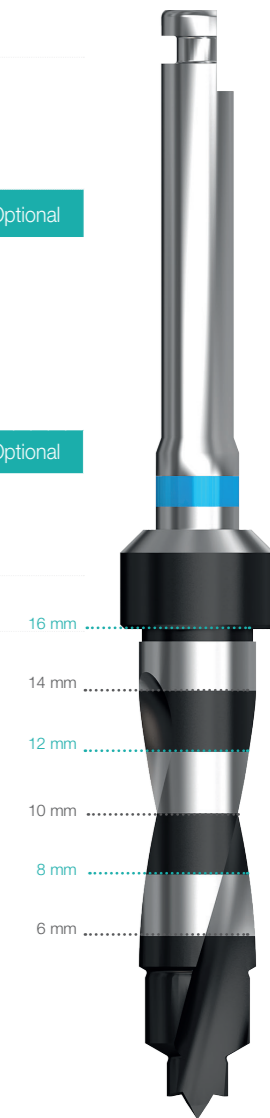
### Optional

- 13. Spacer parallelizer
- 14. Drilling depth gauges terminal
- 15. Placement key for Iso-Post
- 16. Step drills and reamer drills for implant 16 mm (optional)

|   | Reference | Designation                  | Diameter | Length |          |
|---|-----------|------------------------------|----------|--------|----------|
|    | ESP       | Spacer parallelizer          |          |        | Optional |
|    | K30EX     | Abutments extractor          | Ø 3 mm   | Long   | Optional |
|    | K30EXL    |                              |          |        |          |
|    | KEX       | Abutments extractor          | All Ø    |        | Optional |
|    | KEXL      |                              |          |        |          |
|    | 1034      | Countersink cutter           | Ø 1.9 mm |        | Optional |
|    | 1001SI    | Marking drill                | Ø 1.5 mm |        |          |
|    | KFT       | Marking drills<br>trocar tip |          | Short  | Optional |
|   | KFTL      |                              |          | Long   | Optional |
|  | KFE20     | Pilot drills                 | Ø 2 mm   | Short  |          |
|  | KFE20L    |                              |          | Long   |          |
|  | KFE2016   |                              |          | 16 mm  | Optional |
|  | KJA30     | Axial gauges                 | Ø 3 mm   |        |          |
|  | KJA36     |                              | Ø 3.6 mm |        |          |
|  | KJA42     |                              | Ø 4.2 mm |        |          |
|  | KJA48     |                              | Ø 4.8 mm |        |          |
|  | KJA54     |                              | Ø 5.4 mm |        |          |


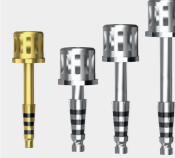









|   | Reference | Designation   | Diameter | Length | Color   |          |
|---|-----------|---------------|----------|--------|---------|----------|
|    | KFE30     | Steps drills  | Ø 3 mm   | Short  | Yellow  |          |
|    | KFE30L    |               |          | Long   |         |          |
|    | KFE3016*  |               |          | 16 mm  |         | Optional |
|    | KFE36     | Steps drills  | Ø 3.6 mm | Short  | Magenta |          |
|    | KFE36L    |               |          | Long   |         |          |
|    | KFE3616*  |               |          | 16 mm  |         | Optional |
|    | KFE42     | Steps drills  | Ø 4.2 mm | Short  | Blue    |          |
|    | KFE42L    |               |          | Long   |         |          |
|    | KFE4216*  |               |          | 16 mm  |         | Optional |
|    | KFE48     | Steps drills  | Ø 4.8 mm | Short  | Green   |          |
|    | KFE48L    |               |          | Long   |         |          |
|    | KFE54     | Steps drills  | Ø 5.4 mm | Short  | Orange  |          |
|    | KFE54L    |               |          | Long   |         |          |
|    | KF36      | Reamer drills | Ø 3.6 mm | Short  | Magenta | Optional |
|   | KF36L     |               |          | Long   |         |          |
|  | KF3616*   |               |          | 16 mm  |         |          |
|  | KF42      | Reamer drills | Ø 4.2 mm | Short  | Blue    |          |
|  | KF42L     |               |          | Long   |         |          |
|  | KF4216*   |               |          | 16 mm  |         | Optional |
|  | KF48      | Reamer drills | Ø 4.8 mm | Short  | Green   |          |
|  | KF48L     |               |          | Long   |         |          |
|  | KF54      | Reamer drills | Ø 5.4 mm | Short  | Orange  | 16 mm    |
|  | KF54L     |               |          | Long   |         |          |

\* 16 mm step drills and reamer drills are not included in the surgical kit (available as an option).





## INSTRUMENTS






|   | Reference   | Designation  | Implant Diameter | Length   |          |          |            |          |
|---|-------------|--|------------------|----------|----------|----------|------------|----------|
|    | K30MPICA    | Implant mountdriver for contra-angle                 | Ø 3 mm           | Short    |          |          |            |          |
|   | KMPICAC     |  |                  |          |          |          |            |          |
|   | KMPICAL     |  |                  |          |          |          |            |          |
|   | KMPICAXL    |  |                  |          |          | Optional |            |          |
|    | K30MPI      | Implant mountdriver                                  | Ø 3 mm           | Short    |          |          |            |          |
|   | KMPIC       |  |                  |          |          |          |            |          |
|   | KMPIL       |  |                  |          |          | Other Ø  | Long       | Optional |
|   | KMPIXL      |  |                  |          |          |          | Extra long |          |
|    | TCAS        | Contra-angle screwdrivers                            |                  | Short    | Optional |          |            |          |
|   | TCA         |  |                  | Standard |          |          |            |          |
|   | TCAL        |  |                  | Long     |          |          |            |          |
|   | 1028        | Drill extension                                      |                  |          |          |          |            |          |
|  | 1032S       | Manual screwdrivers                                  |                  | Short    | Optional |          |            |          |
|   | 1032        |  |                  | Standard |          |          |            |          |
|   | 1032L       |  |                  | Long     |          |          |            |          |
|  | KAIP        | Placement key for Iso-Post                           |                  |          | Optional |          |            |          |
|  | KCCD        | Torque wrench key surgery                            |                  |          |          |          |            |          |
|  | KCCDL       | Long torque wrench key surgery                       |                  |          |          |          |            |          |
|  | KJP30       | Drilling depth gauge terminal                        | Ø 3 mm           |          | Optional |          |            |          |
|   | KJP36       |  |                  |          |          |          |            |          |
|   | KJP42       |  |                  |          |          |          |            |          |
|   | KJP48       |  |                  |          |          |          |            |          |
|   | KJP54       |  |                  |          |          |          |            |          |
|  | MV000       | Universal mountdriver                                |                  |          |          |          |            |          |
|  | KMPIMAM-C   | Short implant mountdriver for grinding handle        |                  |          |          |          |            |          |
|  | KMPIMAM-L   | Long implant mountdriver for grinding handle         |                  |          |          |          |            |          |
|  | K30MPIMAM-C | Short implant mountdriver Ø 3 mm for grinding handle |                  |          |          |          |            |          |

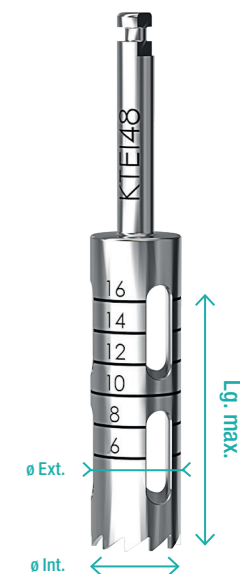
## DRILL BIT FOR IMPLANT REMOVAL

Implant removal requires an extraction drill bit.




A diametric drill bit is available for Kontakt® implant and Kontakt S® implant.

**Recommendations for use:** 500 to 800 rpm with irrigation.

|   | Reference | Designation                   | ø Interior | ø Exterior | Max internal Lg. |
|---|-----------|-------------------------------|------------|------------|------------------|
|  | KTEI30    |                               | 3.4        | 4          | 18               |
|  | KTEI36    |                               | 4          | 4.6        |                  |
|  | KTEI42    | Drill bit for implant removal | 4.6        | 5.2        |                  |
|  | KTEI48    |                               | 5.2        | 5.         |                  |
|  | KTEI54    |                               | 5.8        | 6.4        |                  |



## CORTICAL DRILLS

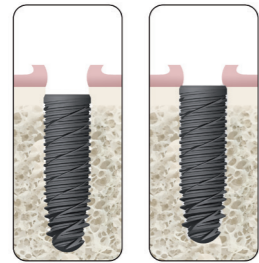
|   | Reference | Designation                               | Diameter        |                |
|---|-----------|---|-----------------|----------------|
|  | KFC30     | Cortical drill for healing screw          | Ø 3 mm          | Available soon |
|  | KFC4-5    | Standard cortical drill for healing screw | Ø 4 mm - Ø 5 mm |                |
|  | KFC65     |   | Ø 6.5 mm        |                |

**Recommendations for use:** 200 rpm.

Cortical drill for healing screw and abutment.

The cortical drill allows to remove, if necessary, excess of supra-implant cortical bone.

## DRILLING PROTOCOL

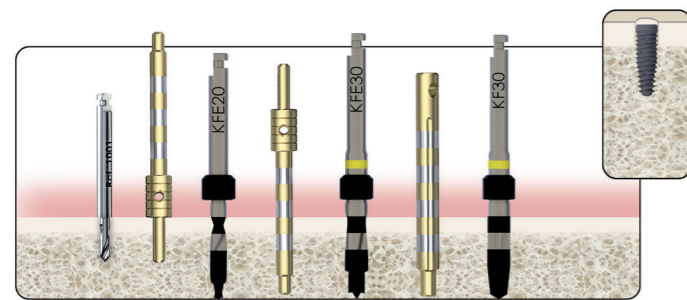


1.

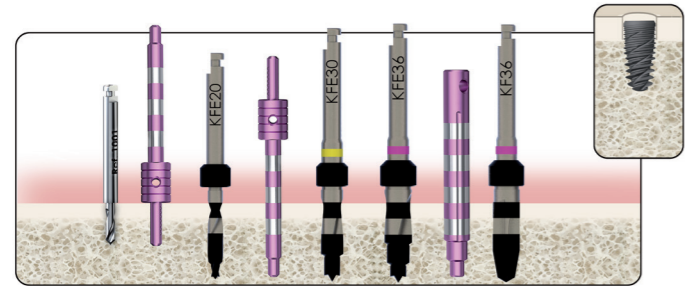
2.

1. Implant can be buried by 2 mm in order to facilitate bone regrowth over the implant.
2. Crestal implant position.

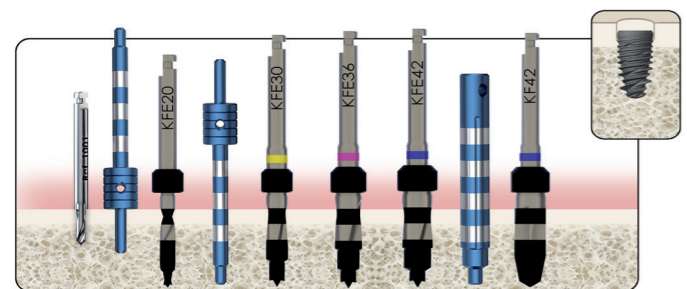
Recommended



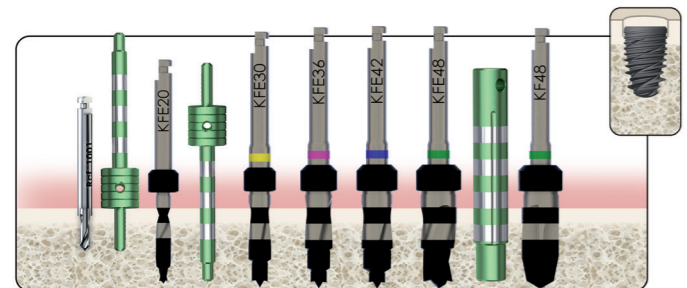
Drilling for Ø 3 mm implant.  
2 mm subcrestal placement.



Drilling for Ø 3.6 mm implant.  
2 mm subcrestal placement.

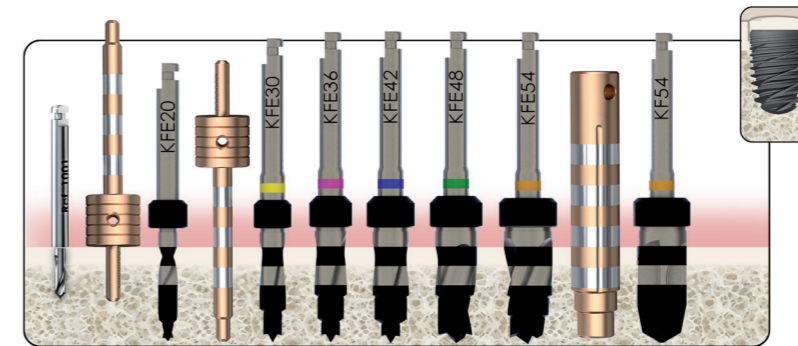


Drilling for Ø 4.2 mm implant.  
2 mm subcrestal placement.



Drilling for Ø 4.8 mm implant.  
2 mm subcrestal placement.

## DRILLING PROTOCOL



Drilling for Ø 5.4 mm implant.  
2 mm subcrestal placement.

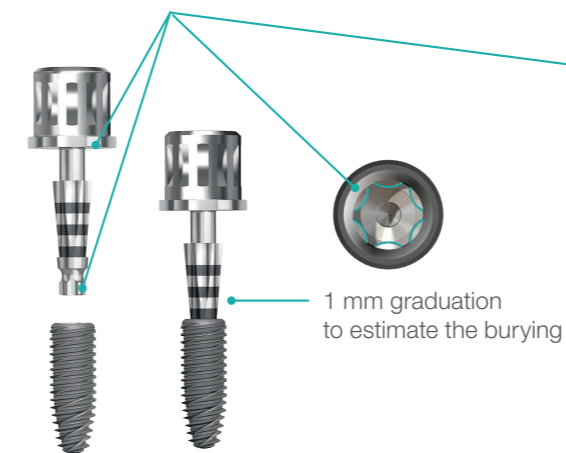
### Recommended drill rotation speeds

| Instruments                          | Rotation Speed  |
|--------------------------------------|-----------------|
| Ø 1.5 / Ø 2 mm step drills           | 1500 rpm        |
| Yellow, magenta and blue step drills | 1000 - 1200 rpm |
| Green and orange step drills         | 700 - 900 rpm   |
| Reamer drill                         | 200 rpm         |
| Implant                              | 15 rpm          |

### Specification for the use of the implant driver

6 angular references represent the connection tops.

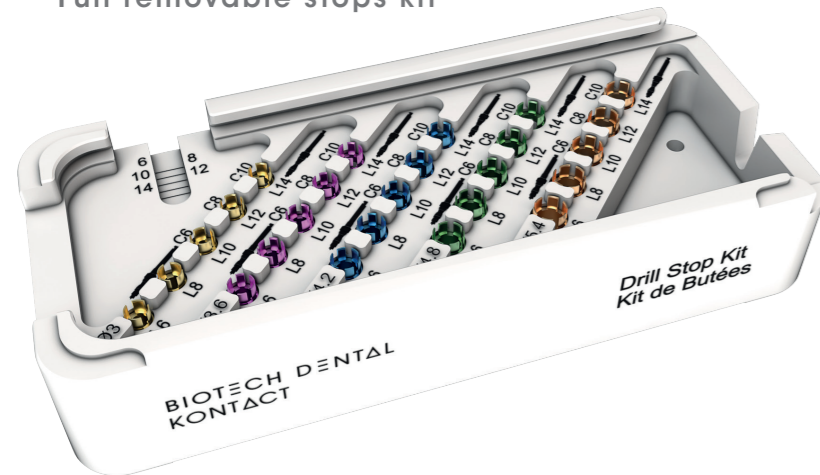
It is recommended to place on of the marker in vestibular direction.





## FULL REMOVABLE STOPS KIT

Full removable stops kit



Ref.: KBK

Drill stops



Short drill stops

| Reference  | Diameter | Drilling |
|------------|----------|----------|
| KB30C6L10  |          | 6 mm     |
| KB30C8L12  | Ø 3 mm   | 8 mm     |
| KB30C10L14 |          | 10 mm    |
| KB36C6L10  |          | 6 mm     |
| KB36C8L12  | Ø 3.6 mm | 8 mm     |
| KB36C10L14 |          | 10 mm    |
| KB42C6L10  |          | 6 mm     |
| KB42C8L12  | Ø 4.2 mm | 8 mm     |
| KB42C10L14 |          | 10 mm    |
| KB48C6L10  |          | 6 mm     |
| KB48C8L12  | Ø 4.8 mm | 8 mm     |
| KB48C10L14 |          | 10 mm    |
| KB54C6L10  |          | 6 mm     |
| KB54C8L12  | Ø 5.4 mm | 8 mm     |
| KB54C10L14 |          | 10 mm    |



Stop on  
step drill



Removable and reusable drill stops for complete control of drilling depths.

**Caution: drill stops are not compatible with optional 16 mm drills.**

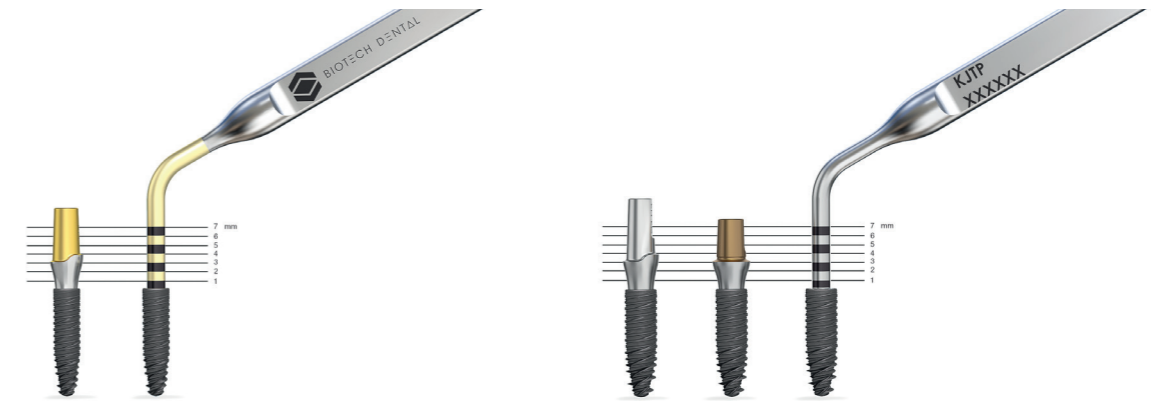
Long drill stops

| Reference  | Diameter | Drilling |
|------------|----------|----------|
| KB30L6     |          | 6 mm     |
| KB30L8     |          | 8 mm     |
| KB30C6L10  | Ø 3 mm   | 10 mm    |
| KB30C8L12  |          | 12 mm    |
| KB30C10L14 |          | 14 mm    |
| KB36L6     |          | 6 mm     |
| KB36L8     |          | 8 mm     |
| KB36C6L10  | Ø 3.6 mm | 10 mm    |
| KB36C8L12  |          | 12 mm    |
| KB36C10L14 |          | 14 mm    |
| KB42L6     |          | 6 mm     |
| KB42L8     |          | 8 mm     |
| KB42C6L10  | Ø 4.2 mm | 10 mm    |
| KB42C8L12  |          | 12 mm    |
| KB42C10L14 |          | 14 mm    |
| KB48L6     |          | 6 mm     |
| KB48L8     |          | 8 mm     |
| KB48C6L10  | Ø 4.8 mm | 10 mm    |
| KB48C8L12  |          | 12 mm    |
| KB48C10L14 |          | 14 mm    |
| KB54L6     |          | 6 mm     |
| KB54L8     |          | 8 mm     |
| KB54C6L10  | Ø 5.4 mm | 10 mm    |
| KB54C8L12  |          | 12 mm    |
| KB54C10L14 |          | 14 mm    |

## GAUGE FOR PARO TISSUE / HEALING SCREWS

Gauge for paro tissue


|  | Reference | Designation           |
|--|-----------|-----------------------|
|  | KJTP      | Gauge for paro tissue |



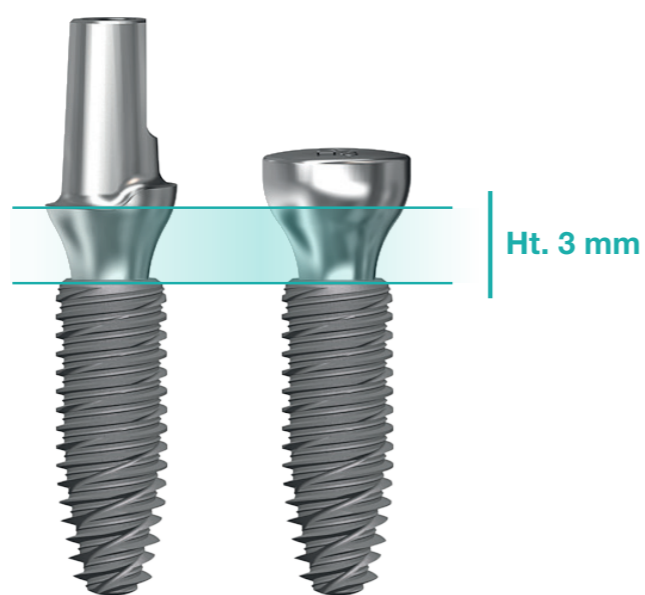
healing screws

|  | Reference | Designation            | Diameter | Height |
|--|-----------|------------------------|----------|--------|
|  | K30VC     | Titanium healing screw | Ø 3 mm   | 1.5 mm |
|  | K30VC3    |                        |          | 3 mm   |
|  | K30VC4    |                        |          | 4 mm   |
|  | K30VC5    |                        |          | 5 mm   |
|  | KVC401    | Titanium healing screw | Ø 4 mm   | 1 mm   |
|  | KVC402    |                        |          | 2 mm   |
|  | KVC403    |                        |          | 3 mm   |
|  | KVC404    |                        |          | 4 mm   |
|  | KVC405    |                        |          | 5 mm   |
|  | KVC501    | Titanium healing screw | Ø 5 mm   | 1 mm   |
|  | KVC502    |                        |          | 2 mm   |
|  | KVC503    |                        |          | 3 mm   |
|  | KVC504    |                        |          | 4 mm   |
|  | KVC505    |                        |          | 5 mm   |
|  | KVC652    | Titanium healing screw | Ø 6.5 mm | 2 mm   |
|  | KVC653    |                        |          | 3 mm   |
|  | KVC654    |                        |          | 4 mm   |
|  | KVC655    |                        |          | 5 mm   |

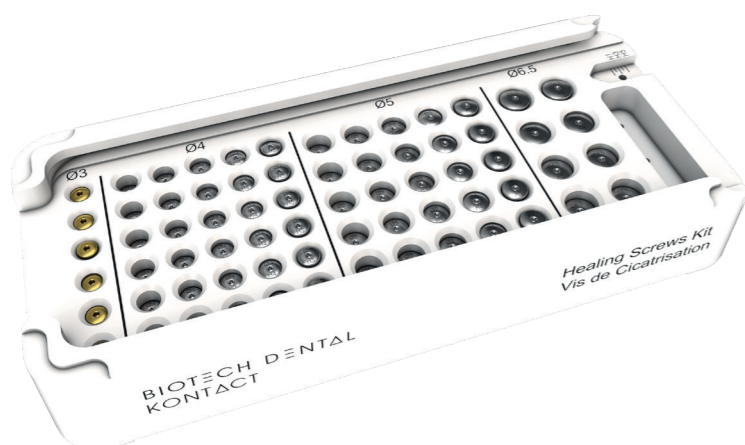
## HEALING SCREWS

 In order to avoid blocking the screw into the implant, thoroughly clean the inside to eliminate the blood.

### Gingival height



Example with Ht. 3mm



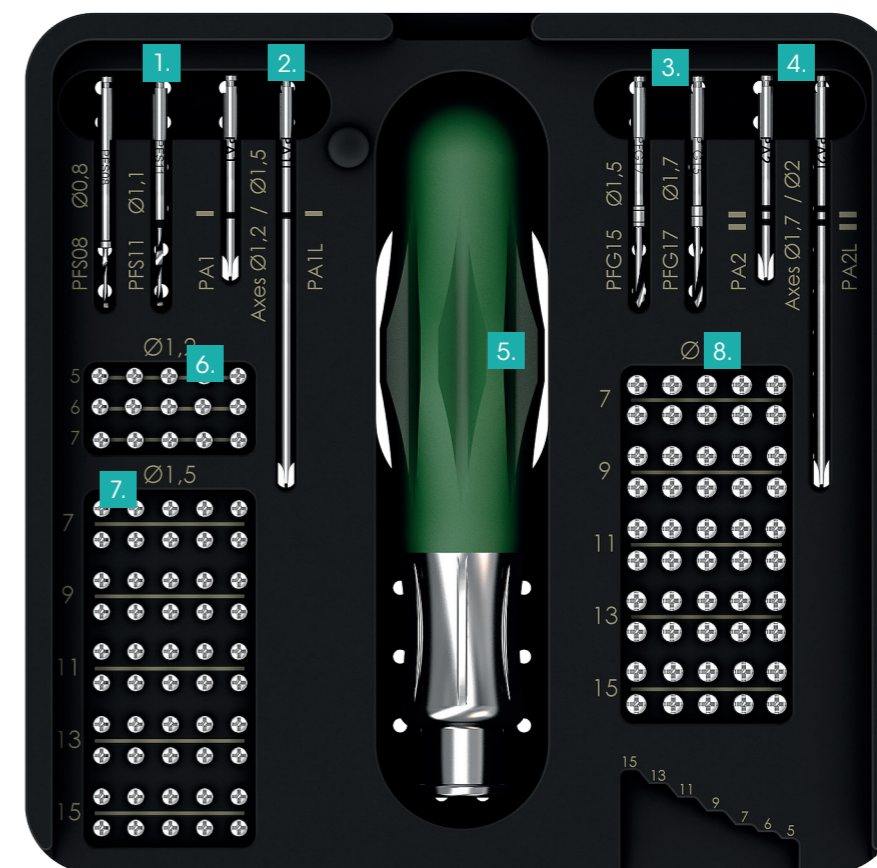
Ref.: KVCK

The healing screws should be tight with a **maximal torque of 10 N.cm (manual tightening recommended).**



## OSTEOSYNTHESIS KIT FIX' IN

### BIOTECH DENTAL FIX IN


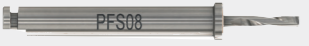




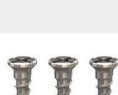














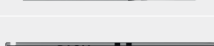




Ref.: PIK

1. Drills for recipient site self-drilling screw
2. Shaft screwdriver for self-drilling screw
3. Bone graft drills
4. Shaft screwdriver for self-drilling screw
5. Dental tip screwdriver handle
6. Self-drilling screw Ø 1.2 mm
7. Self-drilling screw Ø 1.5 mm
8. Self-drilling screw Ø 1.7 mm



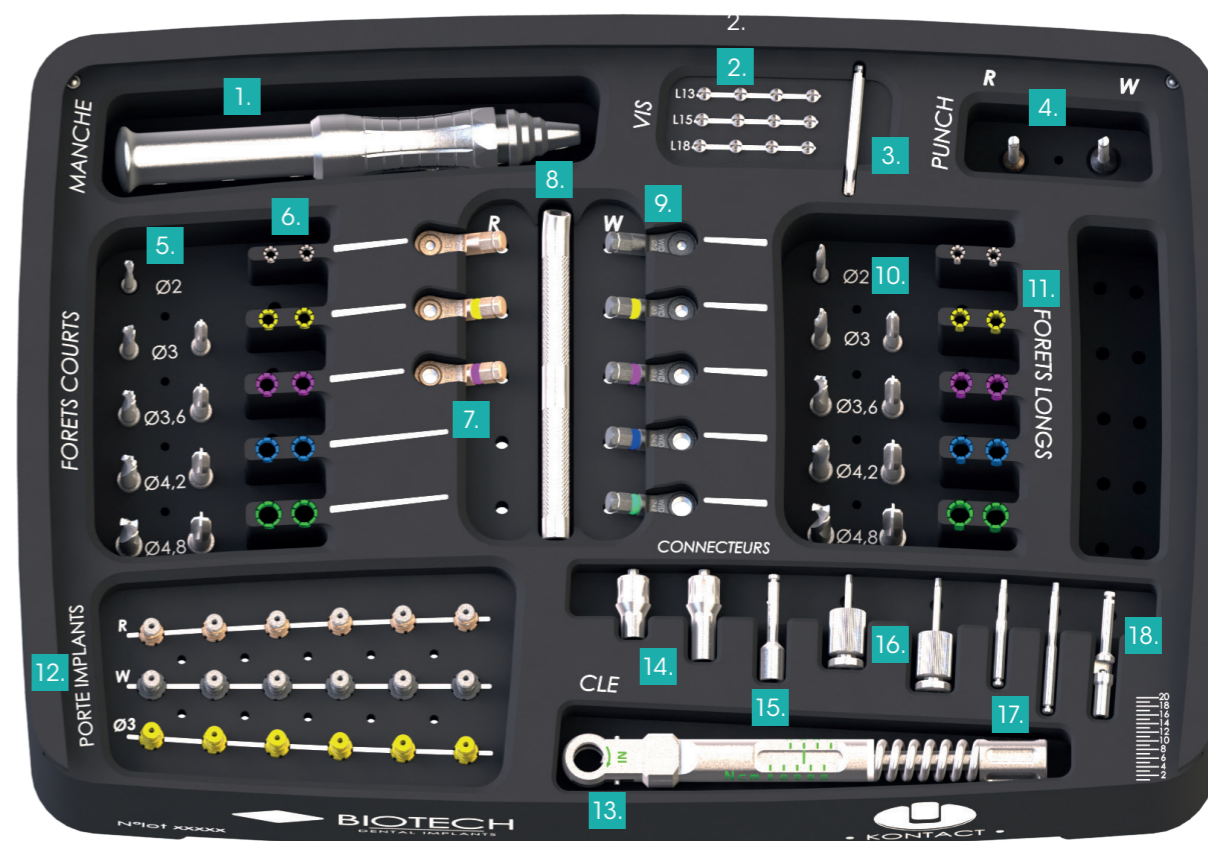
## OSTEOSYNTHESIS KIT FIX'IN

|   | Reference | Designation                                   | Diameter          | Length               |          |      |
|---|-----------|---|-------------------|----------------------|----------|------|
|    | PMT       | Dental tip screwdriver handle                 |                   |                      |          |      |
|    | PFS08     | Drills for recipient site self-drilling screw | Ø 0.8 mm          |                      |          |      |
|    | PFS11     |   | Ø 1.1 mm          |                      |          |      |
|    | PFG15     |   | Bone graft drills | Ø 1.5 mm             |          |      |
|    | PFG17     |   |                   | Ø 1.7 mm             |          |      |
|    | PV1205    | Self-drilling screws                          | Ø 1.2 mm          | 5 mm                 |          |      |
|    | PV1206    |   |                   | 6 mm                 |          |      |
|   | PV1207    |   |                   | 7 mm                 |          |      |
|  | PV1507    | Self-drilling screws                          | Ø 1.5 mm          | 7 mm                 |          |      |
|  | PV1509    |   |                   | 9 mm                 |          |      |
|  | PV1511    |   |                   | 11 mm                |          |      |
|  | PV1513    |   |                   | 13 mm                |          |      |
|  | PV1515    |   |                   | 15 mm                |          |      |
|  | PV1707    |   |                   | Self-drilling screws | Ø 1.7 mm | 7 mm |
|  | PV1709    | 9 mm  |                   |                      |          |      |
|  | PV1711    | 11 mm   |                   |                      |          |      |
|  | PV1713    | 13 mm   |                   |                      |          |      |
|  | PV1715    | 15 mm   |                   |                      |          |      |
|  | PA1       | Shaft screwdriver for self-drilling screw     |                   | Short                |          |      |
|  | PA1M      |   |                   | Medium               | Optional |      |
|  | PA1L      |   |                   | Long                 |          |      |
|  | PA2       | Shaft screwdriver for self-drilling screw     |                   | Short                |          |      |
|  | PA2M      |   |                   | Medium               | Optional |      |
|  | PA2L      |   |                   | Long                 |          |      |






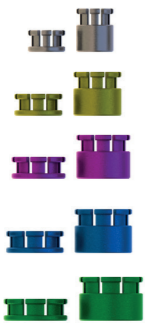

## GUIDED SURGERY KIT ATLASURGERY

### BIOTECH DENTAL ATLASURGERY



Ref. : KST

- |                                       |  |
|---------------------------------------|--|
| 1. Dental tip screwdriver handle      | 10. Long step drills and reamer drills |
| 2. Guide-fixing screws                | 11. Long drill stops                   |
| 3. Screwdriver axis                   | 12. Implant holders                    |
| 4. Punch                              | 13. Torque wrench key surgery          |
| 5. Short step drill and reamer drills | 14. Manual ratchet connectors          |
| 6. Short drill stops                  | 15. Contra-angle ratchet connectors    |
| 7. Regular Spoon guide                | 16. Manual screwdrivers                |
| 8. Spoon handle                       | 17. Contra-angle screwdrivers          |
| 9. Wide Spoon guide                   | 18. Extension drill                    |

|   | Reference | Designation                     | Diameter | Height | Length |
|---|-----------|---------------------------------|----------|--------|--------|
|    | KSMC      | Spoon handle                    |          |        |        |
|    | KSCREG20  | Regular spoon guide             | 2 mm     |        |        |
|   | KSCREG30  |                                 | 3 mm     |        |        |
|   | KSCREG36  |                                 | 3.6 mm   |        |        |
|    | KSCWID20  | Wide spoon guide                | 2 mm     |        |        |
|   | KSCWID30  |                                 | 3 mm     |        |        |
|   | KSCWID36  |                                 | 3.6 mm   |        |        |
|   | KSCWID42  |                                 | 4.2 mm   |        |        |
|   | KSCWID48  |                                 | 4.8 mm   |        |        |
|   | KSB20-2   | Drills stops for guided surgery | 2 mm     | 2 mm   |        |
|   | KSB20-4   |                                 |          | 4 mm   |        |
|   | KSB30-2   |                                 | 3 mm     | 2 mm   |        |
|   | KSB30-4   |                                 |          | 4 mm   |        |
|   | KSB36-2   |                                 | 3.6 mm   | 2 mm   |        |
|   | KSB36-4   |                                 |          | 4 mm   |        |
|   | KSB42-2   |                                 | 4.2 mm   | 2 mm   |        |
|   | KSB42-4   |                                 |          | 4 mm   |        |
|   | KSB48-2   |                                 | 4.8 mm   | 2 mm   |        |
|   | KSB48-4   |                                 |          | 4 mm   |        |
|  | KSFE20    | Step drills for guided surgery  | 2 mm     |        | Short  |
|   | KSFE20L   |                                 |          |        | Long   |
|   | KSFE30    |                                 | 3 mm     |        | Short  |
|   | KSFE30L   |                                 |          |        | Long   |
|   | KSFE36    |                                 | 3.6 mm   |        | Short  |
|   | KSFE36L   |                                 |          |        | Long   |
|   | KSFE42    |                                 | 4.2 mm   |        | Short  |
|   | KSFE42L   |                                 |          |        | Long   |
|   | KSFE48    |                                 | 4.8 mm   |        | Short  |
|   | KSFE48L   |                                 |          |        | Long   |

|   | Reference   | Designation                           | Diameter  | Length        |
|---|---|---------------------------------------|-----------|---------------|
|    | KSF30   | Reamer drills for guided surgery      | 3 mm      | Short         |
|   | KSF30L  |                                       |           | Long          |
|   | KSF36   |                                       | 3.6 mm    | Short         |
|   | KSF36L  |                                       |           | Long          |
|   | KSF42   |                                       | 4.2 mm    | Short         |
|   | KSF42L  |                                       |           | Long          |
|   | KSF48   |                                       | 4.8 mm    | Short         |
|   | KSF48L  |                                       |           | Long          |
|   |  |                                       | KSPUN-REG | Punch Regular |
|    | KSPUN-WID   | Punch Wide                            |           |               |
|    | KSCMC   | Ratchet connectors                    |           | Short         |
|   | KSCMCL  |                                       | Long      |               |
|   | KSCMCA  | Contra-angle connector                |           |               |
|  | KSMPI-REG   | Regular implant holder + screw KSMPIV |           |               |
|  | KSMPI-WID   | Wide implant holder + screw KSMPIV    |           |               |
|  | KSMPI30   | Implant holder + screw KSMPI30V       | 3 mm      |               |





» NOTES

Lined area for notes on page 32.



» NOTES

Lined area for notes on page 33.

## NOTES

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## GENERAL INFORMATION



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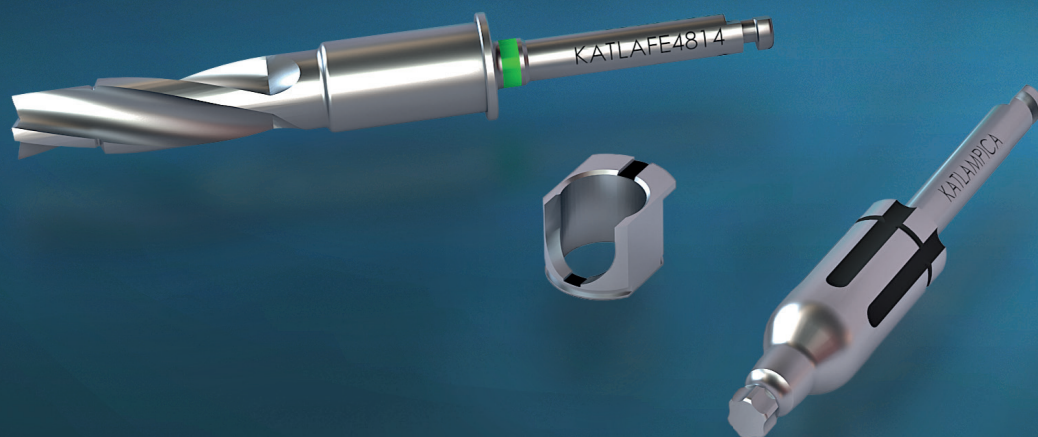
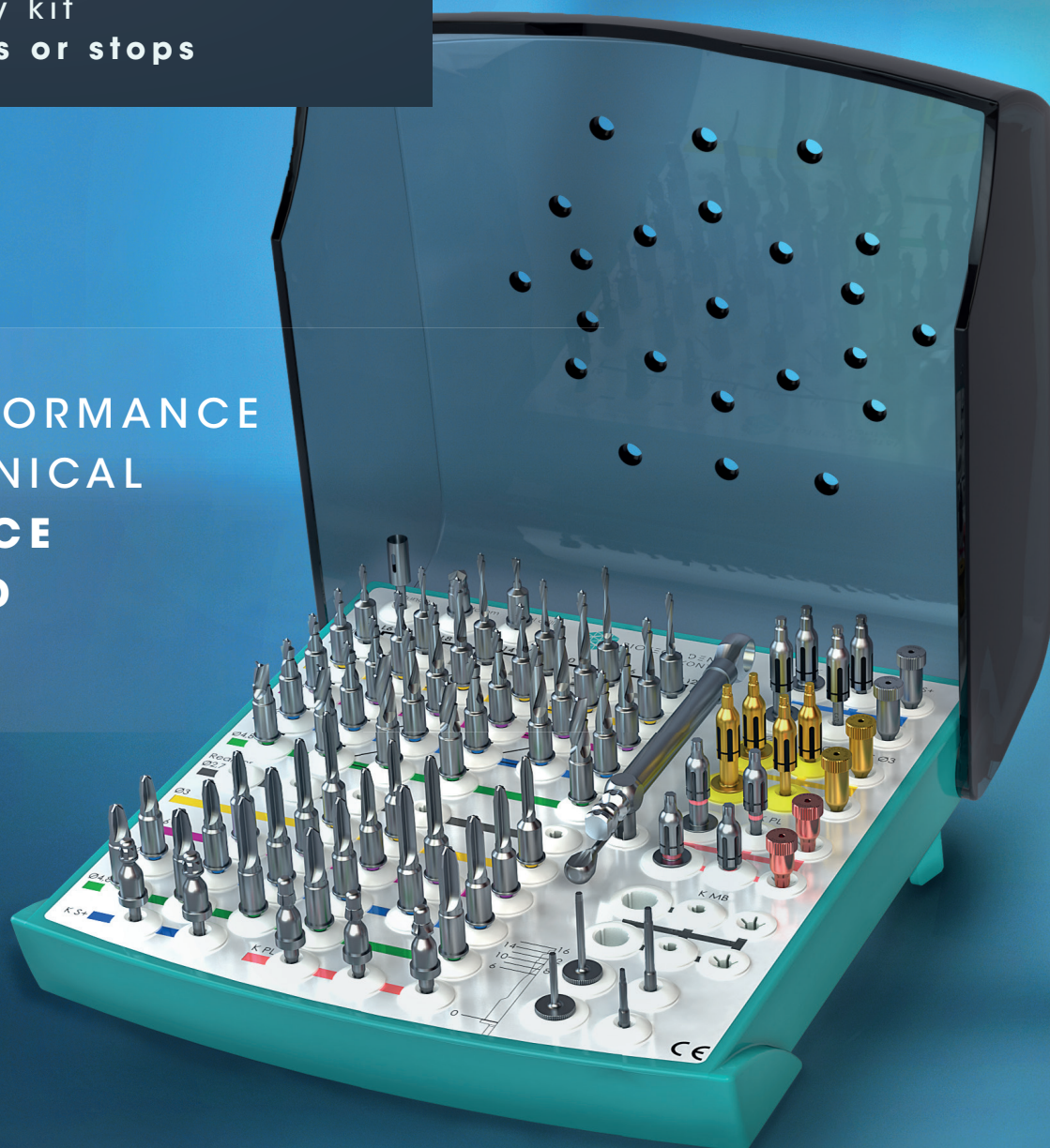
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COMBINED



BIOTECH DENTAL



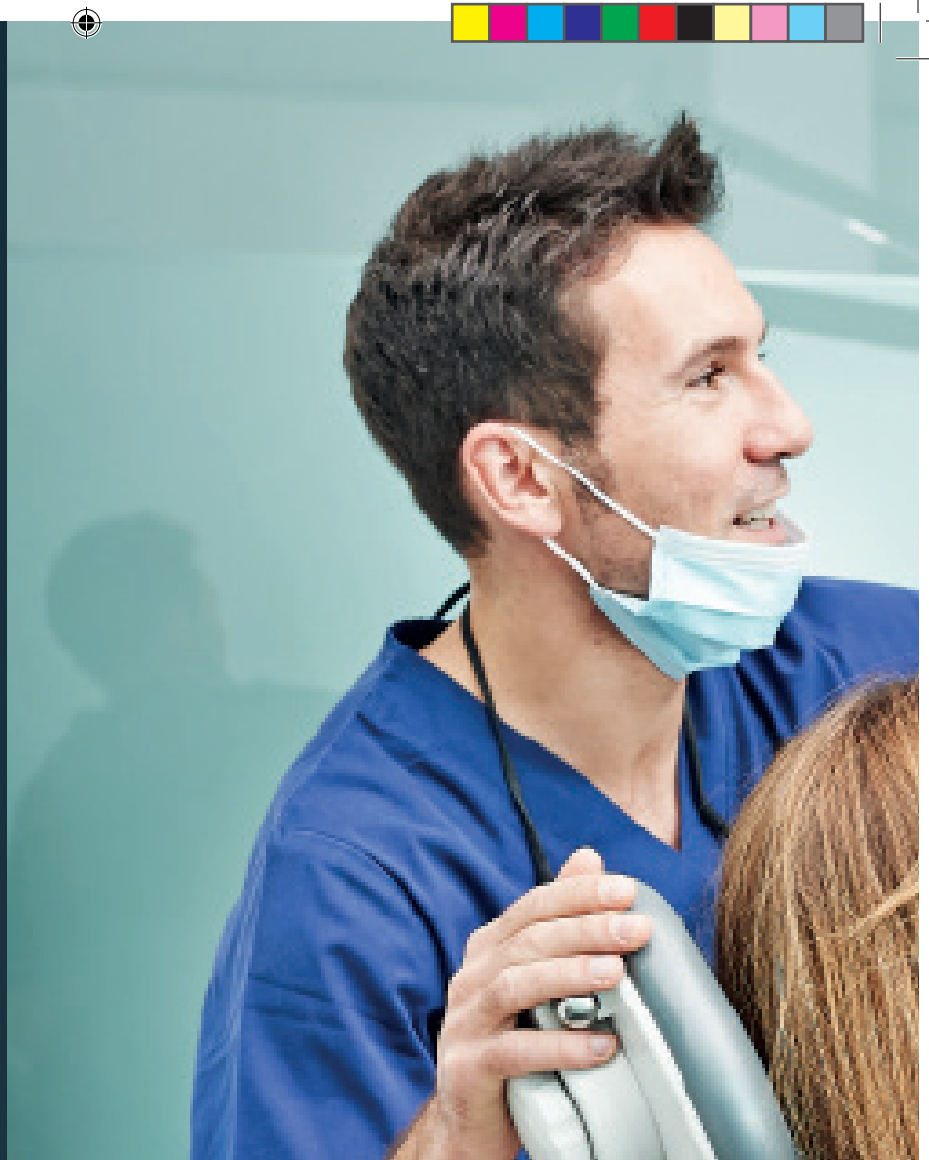
# 1

## GUIDED SURGERY

New horizons with peace of mind

By choosing guided surgery, you can optimise implant placement using a surgical guide that is made to measure using virtual planning software.

With the AtlaSurgery™ 2 kit, enjoy controlled surgery without spoons or stops.



**Patients are becoming increasingly demanding when it comes to their teeth, regarding the functional as well as the aesthetic aspects.**

They want their treatment to take up less and less time while also being progressively less painful.

The reliability of guided surgery combined with AtlaSurgery™ 2 a solution without spoons or stops - gives you peace of mind while offering your patients predictable results.

\* Colombo M, Mangano C, Mijiritsky E, Krebs M, Hauschild U, Fortin T. Clinical applications and effectiveness of guided implant surgery: a critical review based on randomized controlled trials. BMC Oral Health. 2017 Dec 13;17(1):150



### Benefits for the **patient**\*

- ✓ Less invasive, fewer post-operative consequences
- ✓ Reduced time in the dentist's chair
- ✓ More aesthetic results



### Benefits for the **practitioner**

- ✓ High precision and safety of the surgical procedure
- ✓ Predictability through implant planning
- ✓ Improves prosthetic results and facilitates prefabrication of the prosthesis
- ✓ Optimal reliability
- ✓ Saving of operating time
- ✓ Better communication
- ✓ Better acceptance by patients



# 2

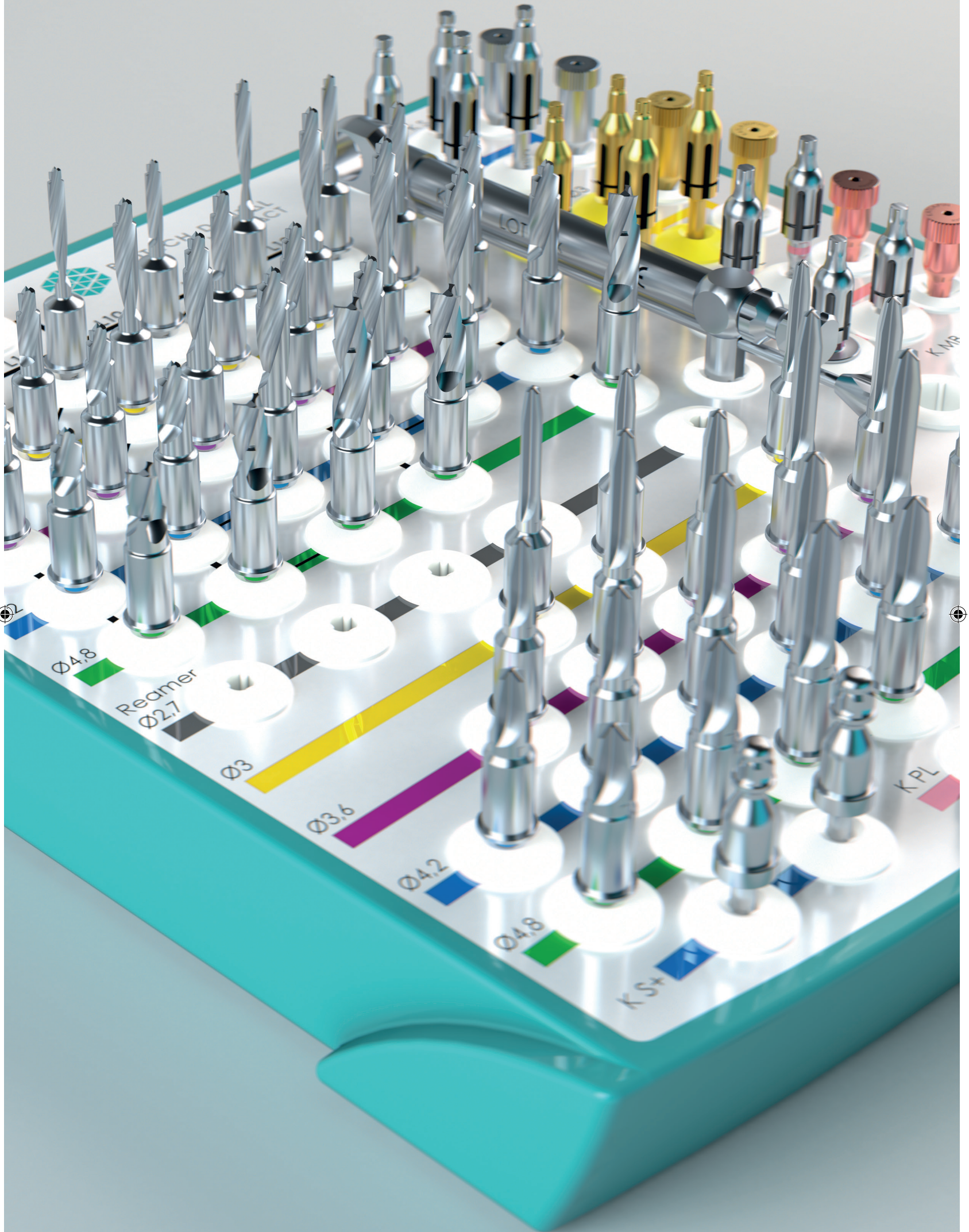
## ONE GUIDED SURGERY KIT FOR ALL KONTACT™\* IMPLANT RANGES

- **Compact** for saving space and optimal storage.
- **Convenient:** without spoons or stops.
- **Intuitive:** instruments and tray with colour codes for quick and easy identification and a clear and precise drilling procedure.
- **Fully removable** for complete decontamination in an autoclave.
- **Compatible** with the main guided surgery software.

\* Kontakt™, Kontakt™ N, Kontakt™ S, Kontakt™ S+, Kontakt™ PL









# 3

## CARRY OUT YOUR SURGERY WITH **EFFICIENTLY** AND **PRECISELY**

Increase the precision of the surgical procedure with the AtlaSurgery™ 2 guided surgery kit.





## Optimal surgical comfort for conducting surgery with complete peace of mind

- Use of instruments **WITHOUT SPOONS OR STOPS.**



## Innovative mastertube: lateral access to manage any situation

- **1 single mastertube for all diameters for increased convenience.**
- Side opening of the mastertube:
  - Easy access for posterior implant placement;
  - Easy access when mouth opening is limited.
- Opening for lateral insertion to gain up to 4 mm of insertion height providing easier access.
- Notches to check the position of the indexing of the implant.
- Flange to check the vertical position of the mastertube in the guide.

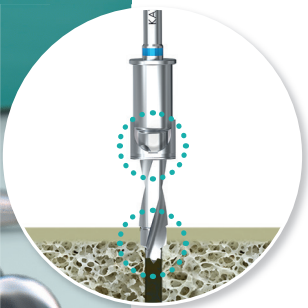
## Double guide for better stability during drilling

### Initial guidance using the tapered tip of the helical drill:

- All drills have a tip that is reduced to the diameter of the previous drill, therefore preventing any slippage.

### Second axial guide with depth gauge:

- Controlled axial guidance thanks to the guided cylindrical part in the mastertube.
- Controlled drilling depth thanks to the integrated stop on the guided cylindrical part.



## Precise positioning of the implant thanks to the chuck indexing

- Reproduction of the virtual position of the implant's index thanks to the alignment of one of the 6 marks of the mandrel with the notch of the mastertube.
- Reproduction of the virtual implant placement depth by aligning the horizontal mark with the shoulder of the mastertube.



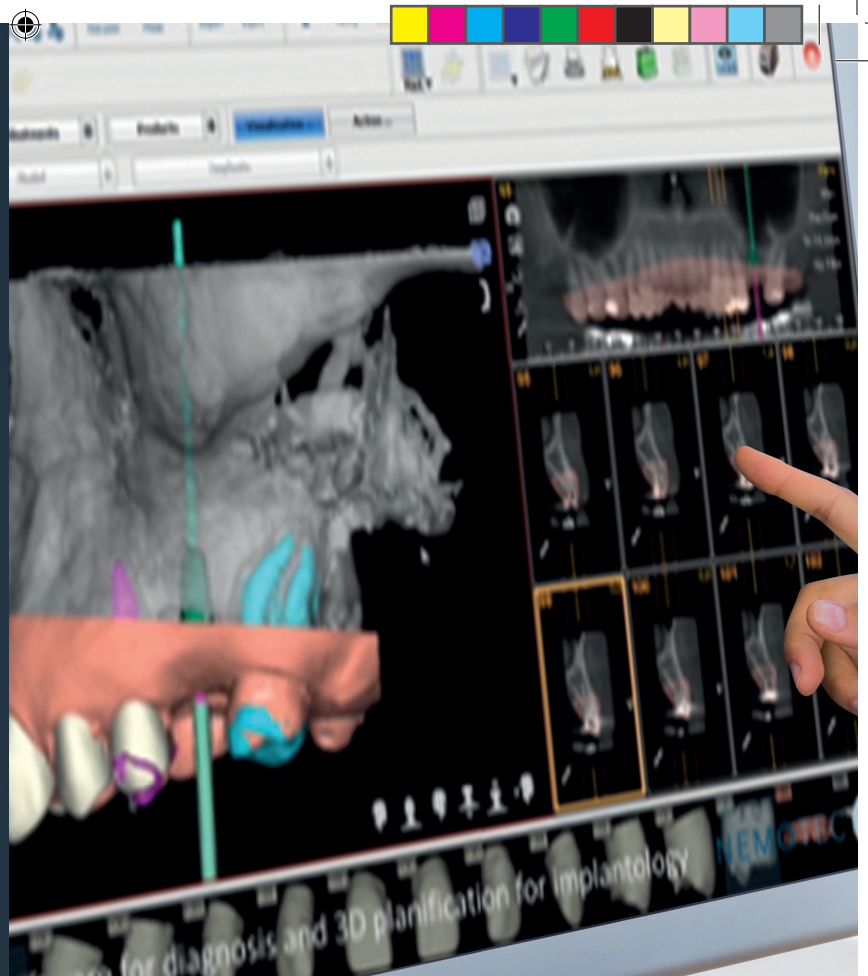


# 4

## PEACE OF MIND THANKS TO A PERSONALISED SOLUTION: **THE BIOTECH DENTAL PLANNING CENTER**

Carry out your guided surgery with complete peace of mind thanks to our guided surgery solutions and services.

**Biotech Dental combines the performance of the implant solutions with NemoScan technology** providing easy access to guided surgery.

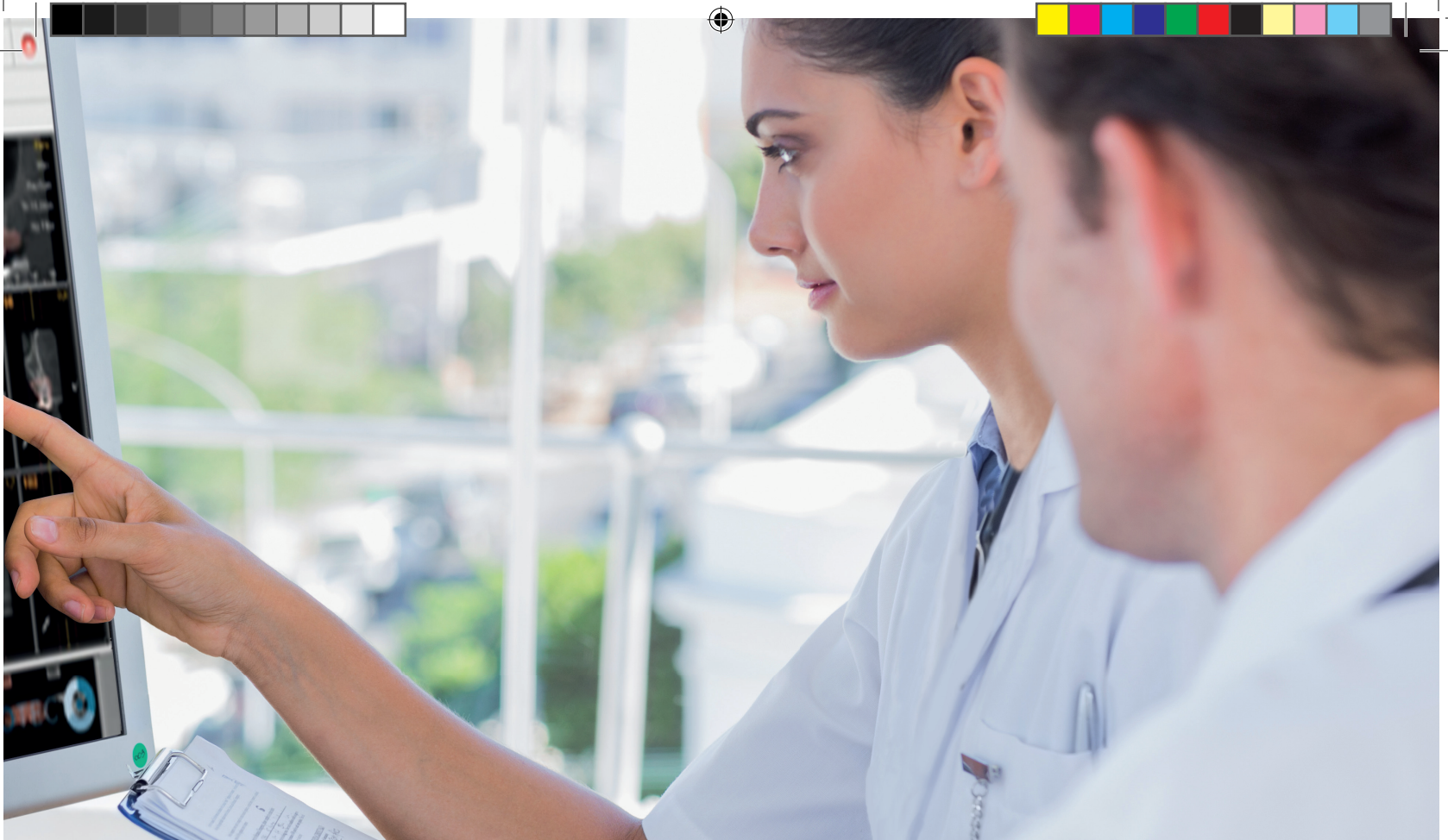


Depending on your requirements, you have the option to **own the NemoScan planning software and carry out your own planning freely** or to **delegate** this part to our experts **via the Biotech Dental planning center, our multidisciplinary digital platform.**

### **NEMOSCAN**

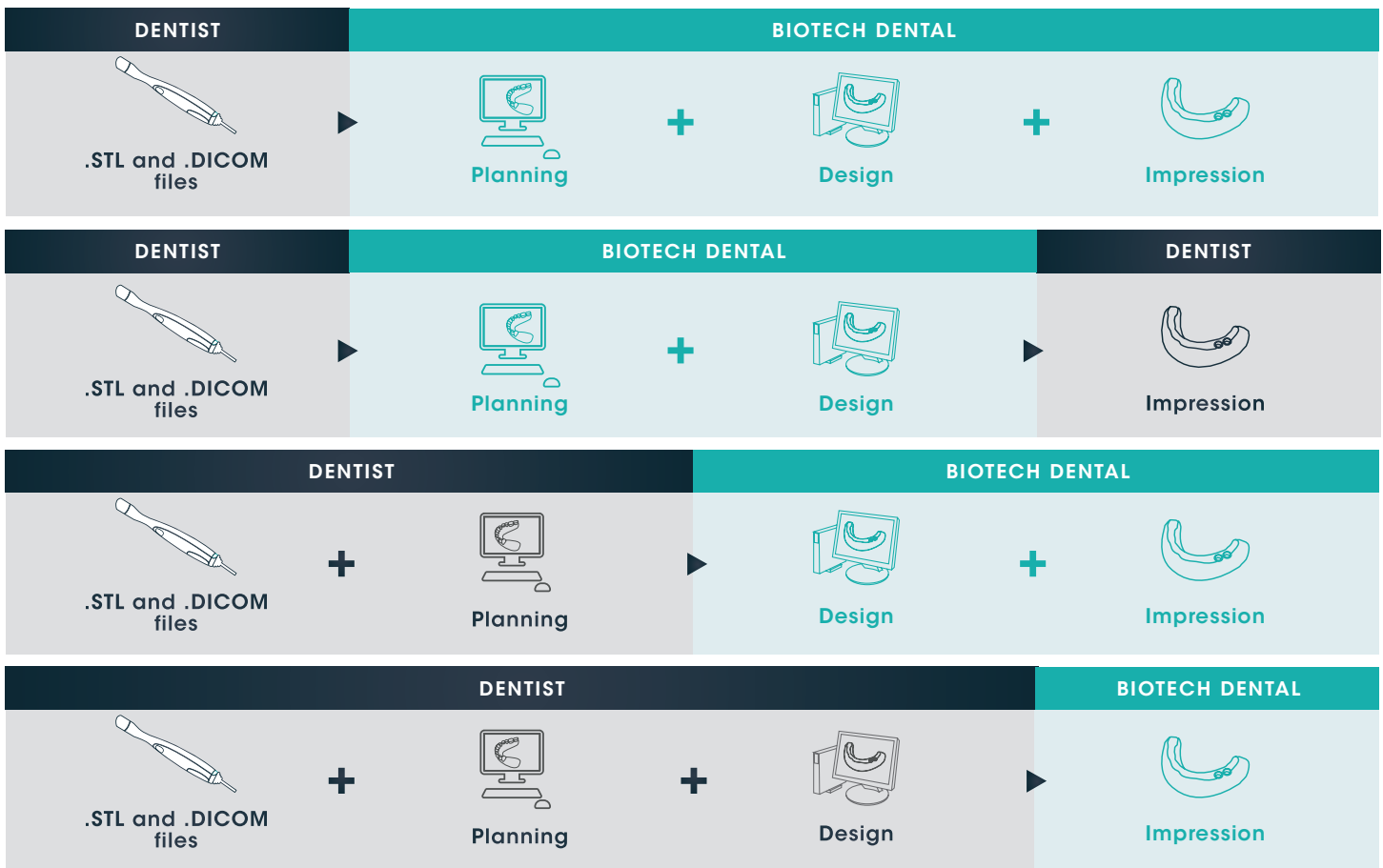
NemoScan is one of the software suites of the NemoStudio multidisciplinary platform from Nemotec by Biotech Dental.

It is used to make diagnoses and plan the implant treatment from the start of the prosthetic project. Create your surgical guides and accurately transfer the final position.



You are free to choose which step(s) we carry out for you on your dedicated site:

<https://biotech-planningcenter.com>





# 5

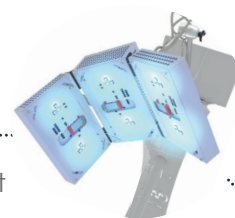
## THE BIOTECH DENTAL RANGE

A suite of solutions tailored to your daily practice

### ΔTP38

PHOTOBIOIMODULATION

Photobiomodulation at the service of dental care



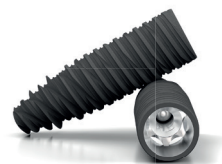
Made-to-measure prosthesis  
Removable prosthesis  
Circle Technology

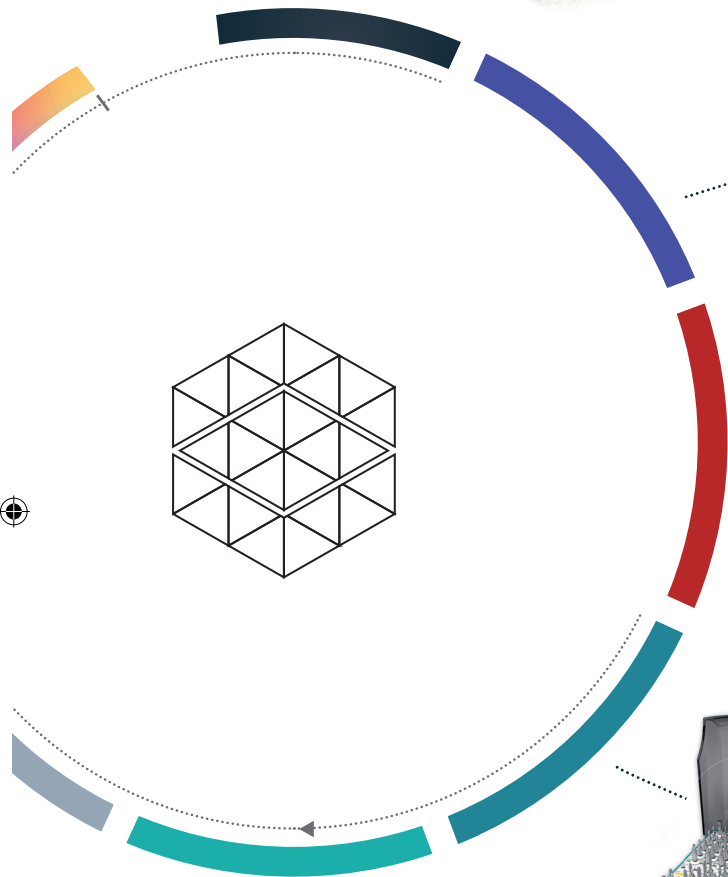


### Implantology

BY BIOTECH DENTAL

More than 34 years of expertise building the future of implants





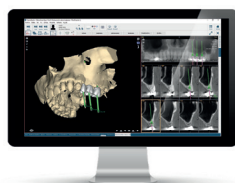
## BIOMATERIALS BY BIOTECH DENTAL

High-performance  
regenerative solutions



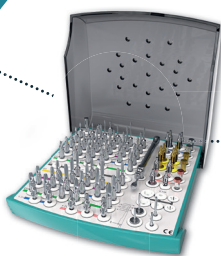
## WOW<sup>®</sup>

Optical impression at your fingertips  
with the WOW<sup>®</sup> intra-oral scanner



## NemoScan

The 3D software solution for  
making diagnoses and planning  
your implant treatments



## GUIDED INSTRUMENTS

High -performance and  
technical excellence combined



## Guided surgery

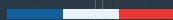
Worry-free implantology







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AtlaSurgery™: Biotech Dental assembler. This system is an assembly of medical devices- Implants: Manufacturer: Biotech Dental.  
Class I, IIa and IIb medical devices (MD). CE0459 – ATP38®: manufacturer Swiss Bio Inov. DM class IIa. CE0459 – WOW™: manufacturer Scan4all SAS. DM class I.  
EC – NemoScan: manufacturer Software Nemotec, S.L. DM Class Im. CE2797 – Made-to-measure and removable prostheses: manufacturer Biotech Dental Digital.  
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- VAT N°: FR 31 79,500 13 04 - Trade and companies register of Salon de Provence 795 001 304 - Ident N°. VAT FR 31 79 500 13 04.  
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