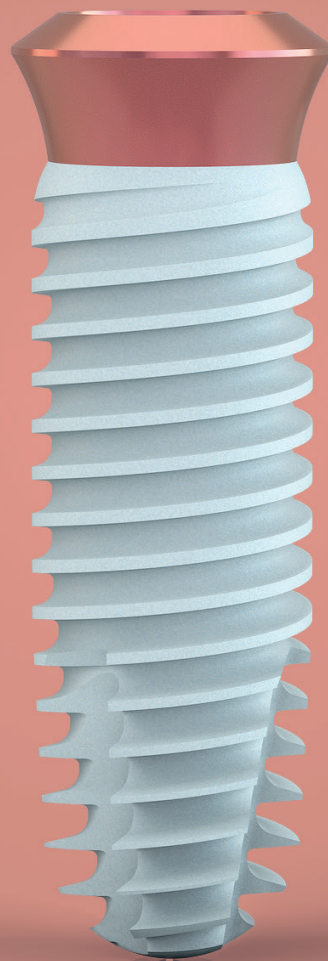


# Kontakt™ PL

- USER MANUAL -

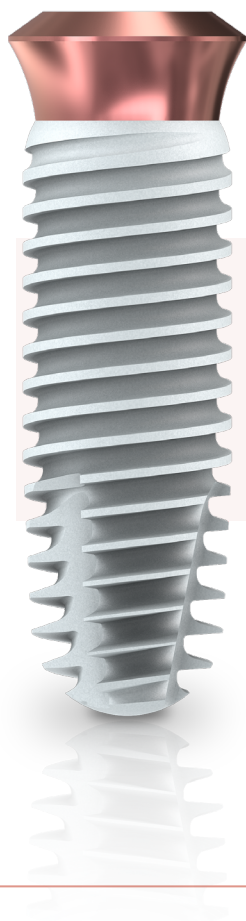


BIOTECH DENTAL

# Warnings and recommendations

**The Kontakt™ PL** implant (Kontakt™ Perio Level) is intended for practitioners with the necessary training in implantology.

They must be equipped with the updated Kontakt™ surgical kit with instruments designed for the Kontakt™PL.



The information in this document is only applicable to the Kontakt™ PL implant.

The Kontakt™ PL system must only be used with the components and instruments of the Kontakt™ PL range by Biotech Dental and in accordance with the instructions for use, protocols and recommendations described in the documentation provided by our company.

The practitioner is responsible for any complications that may result from use that does not comply with our recommendations or from a failure to maintain asepsis.

Under no circumstances can these complications be attributed to Biotech Dental.

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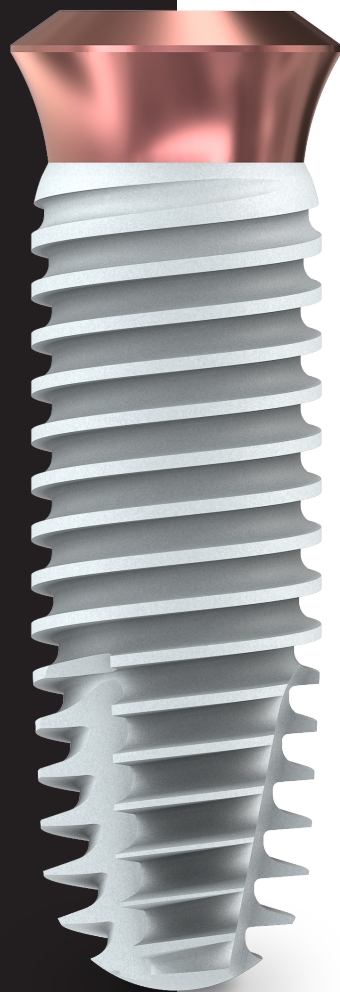
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# SURGERY



1

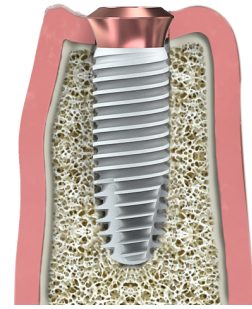
THE KONTACT™ PL  
IMPLANT



## PRINCIPLES & ADVANTAGES :

The Kontakt™ PL is inspired by the philosophy of the Kontakt™ implant range, which allows you to keep the **same instruments**.

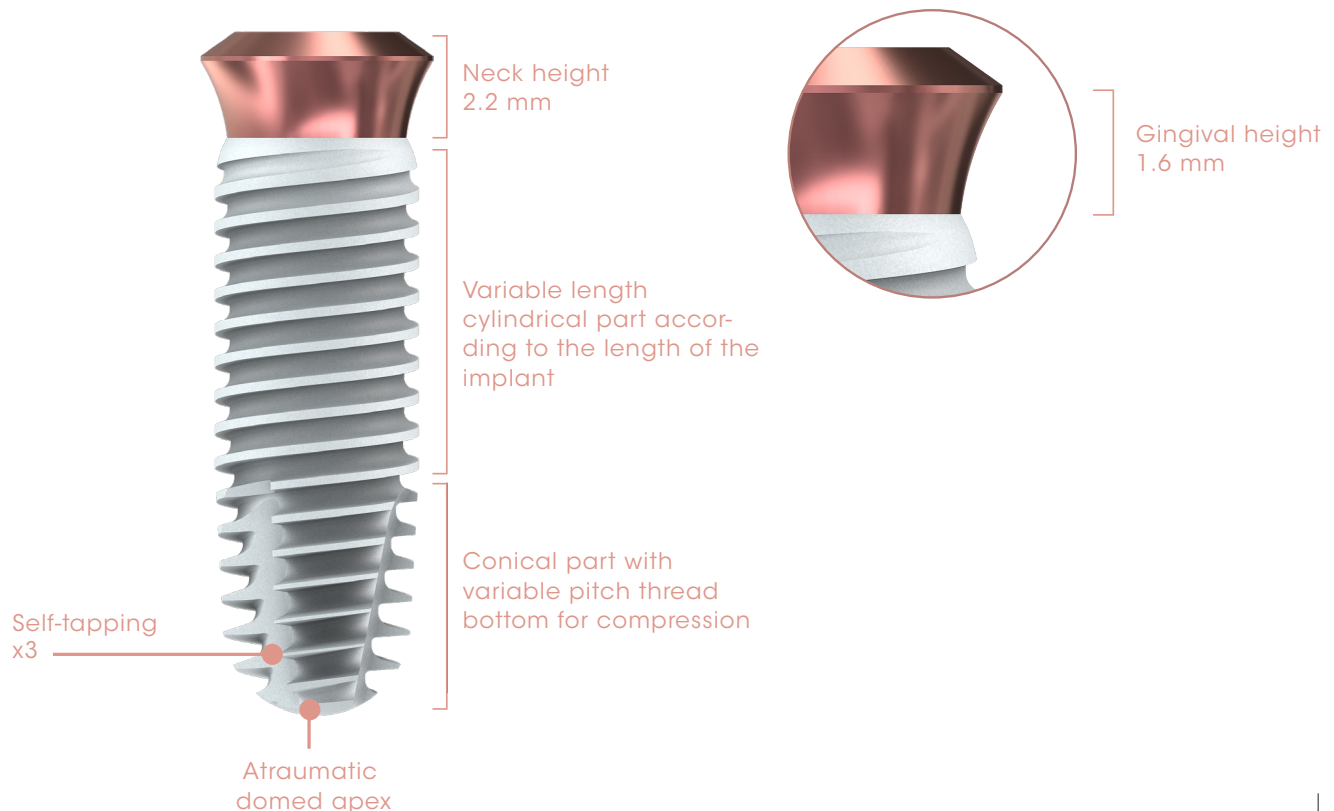
The novelty lies in the presence of a machined neck, partly transgingival, anodised in pink for a better aesthetic result in cases of thin gingival biotypes, therefore allowing **a one-step surgical placement** technique.



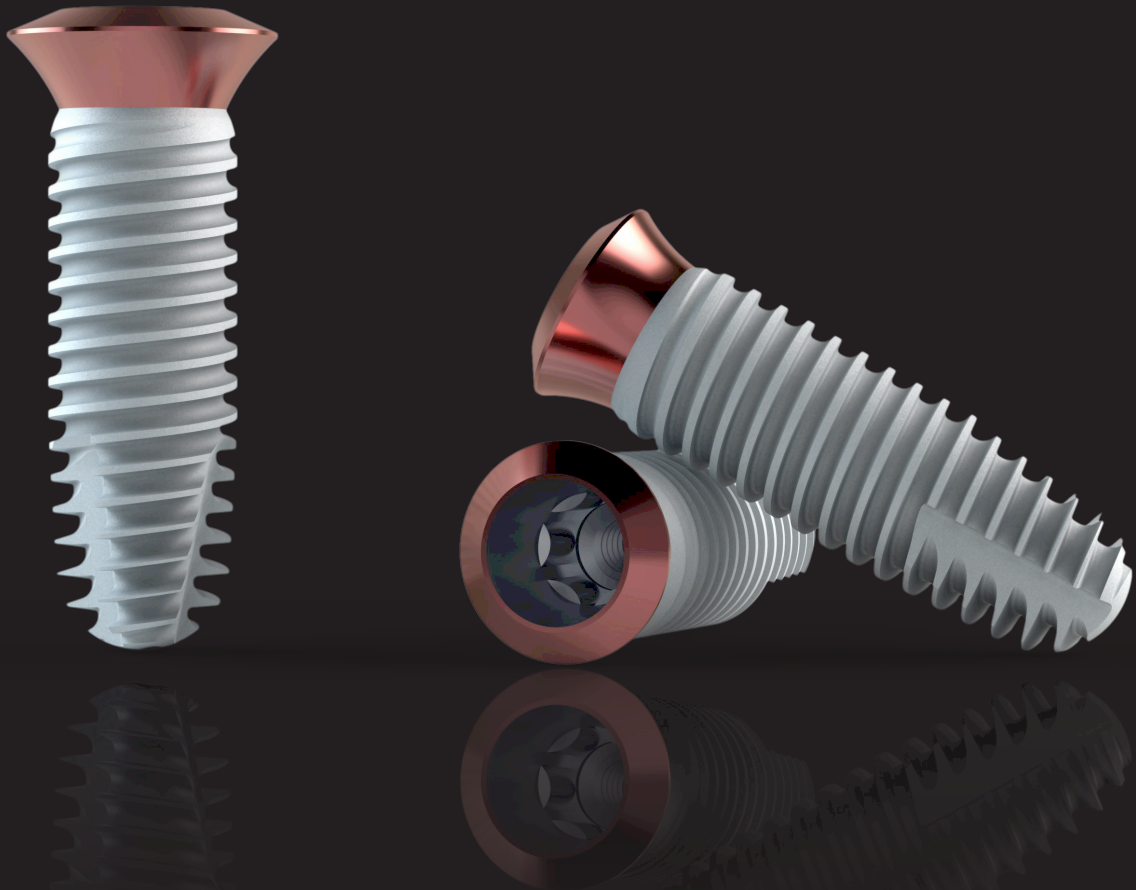
It has the following advantages:

- > **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 unique self-tapping power in cases of immediate implant insertion.  
In addition, the widened neck of the implant eliminates any risk of migration of the implant into the sinus in cases of implant placement combined with a sinus lift.  
This neck allows the implant to be stabilised despite a low residual bone height.

## DESIGN :



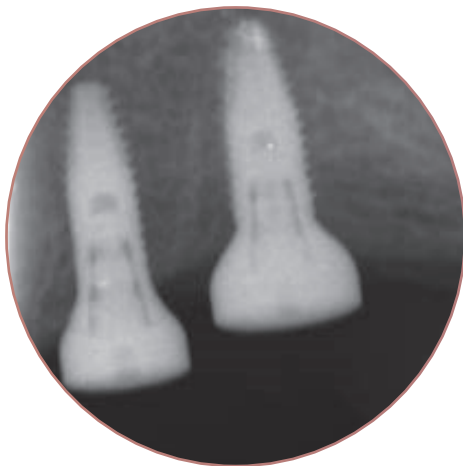
# 1. Technical characteristics



- ✓ Material : **Grade 4 in CP titanium**, combining biocompatibility and strength.
- ✓ **Pink anodisation** on the entire outer surface of the implant neck.
- ✓ Spherical, atraumatic apical part with self-tapping flutes.
- ✓ Patented **STSystem® connectors**.
- ✓ Drilling comfort.
- ✓ Use of a **single surgical guide** for all implants in the Kontakt™ range.

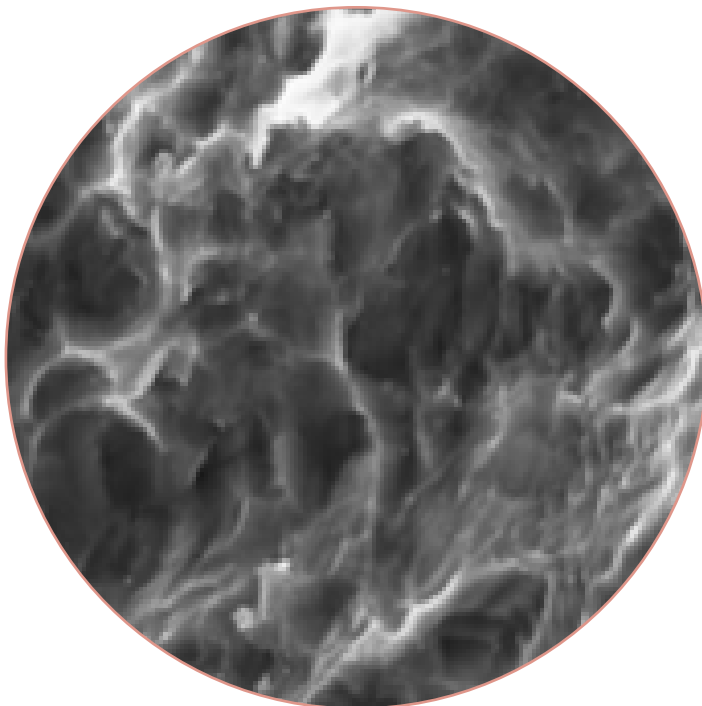
## 2. Surface condition

- > Machined neck with a roughness (Ra) of 0.2  $\mu\text{m}$  to reduce plaque adhesion.
- > Sandblasting and etching on the entire outer surface of the implant body ( $1 < \text{Ra} < 2 \mu\text{m}$ ).



Etched, sandblasted surface structure for improved bone to implant contact

*Photo: Dr S. Le Van*



Microscopic view of the surface condition (x 2,000)

# 3. Connector

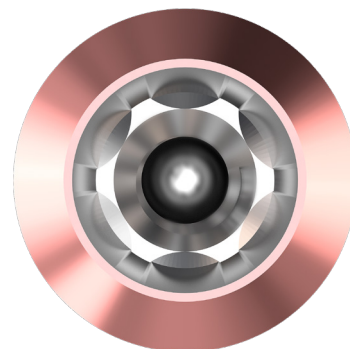
## CONICAL CONNECTION

The Kontakt™ PL implant features a connection inspired by that of the entire Kontakt™ range, which is renowned for its performance:

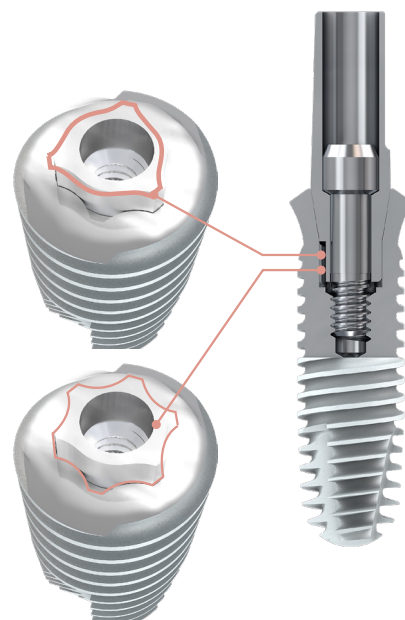
- Strong assembly,
- Easy to insert,
- Fast and reliable repositioning.

### Advantages:

- Strong resistance to stretching and torsion: the parts are perfectly interlocked.
- Increased reduction of micromovement, deforming or breaking movement of the screw.



View from above



## SIX-THREE SYSTEM® INDEXING

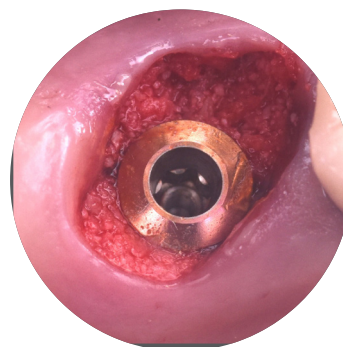
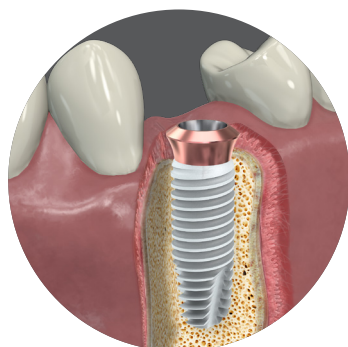


### Technical characteristics:

- 3 indexing tips on prosthetic parts,
- 6 repositioning possibilities.

## PLATFORM SWITCHING

Kontakt™ PL implants benefit from the "platform switching" principle.

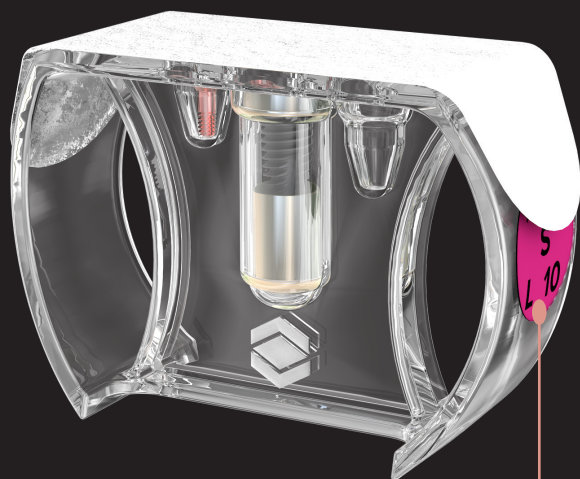




# 4. Implant packaging

## Kontakt™ PL packaging characteristics

- ✓ Cardboard outer packaging with double sterile barrier.
- ✓ Traceability label containing all the information concerning the implant.
- ✓ Stable implant support for placement in the operating field.
- ✓ Cover screw provided with the implant.
- ✓ Titanium collar and stop on both sides of the implant to avoid contact with the plastic.
- ✓ Implant size reminder label on the implant holder.



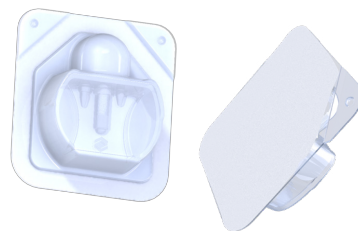
Reminder label

1



Open the cardboard packaging, held closed with tamper-proof seals.

2



Open the blister pack containing the implant holder (2<sup>nd</sup> sterile barrier).

3



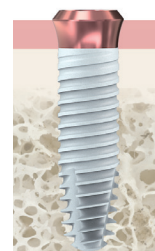
Place the implant holder on the sterile field and open the second lid (1<sup>st</sup> sterile barrier).

4



Grip the implant with the dedicated mountdriver

5

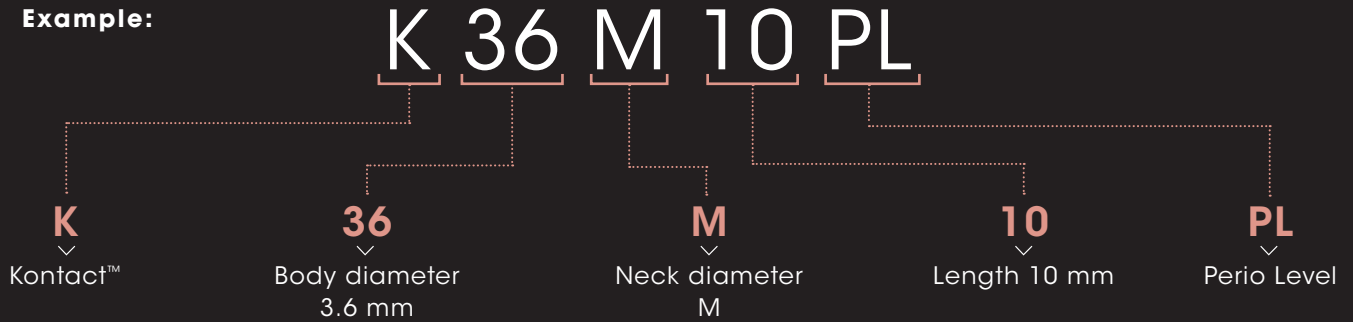


Insert the implants

# 5. Referencing system and range

The Kontakt™ PL implant referencing system is different from the rest of the Kontakt™ range because it includes the transgingival neck diameter (S, M, L or XL).

**Example:**



A colour code is placed on the packaging as a reminder of the body diameter.

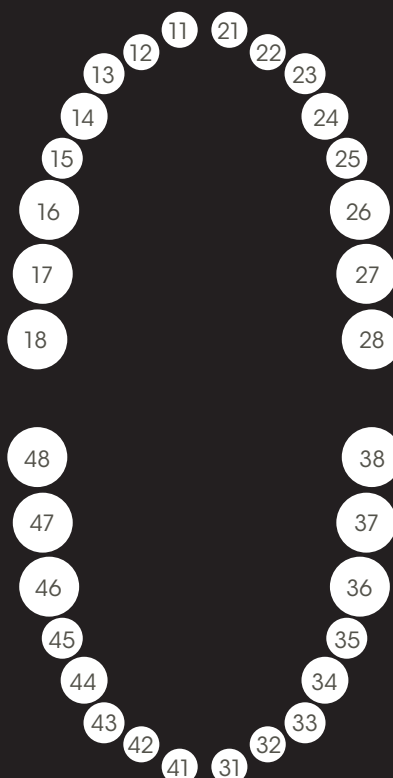
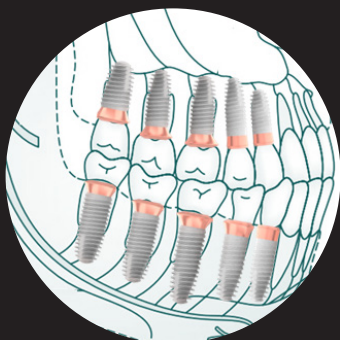


- 3.6 mm
- 4.2 mm
- 4.8 mm

The range is available in 5 lengths, 3 body diameters and 4 different neck diameters. Each implant comes with the cover screw **Ref.: KPLVRC.**




























## Recommended implant diameters

- Ø 3.6 mm ● ● ●
- Ø 4.2 mm ● ●
- Ø 4.8 mm ●



11 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span>	21 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span>
12 : <span style="color: #e91e63;">●</span>	22 : <span style="color: #e91e63;">●</span>
13 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span>	23 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span>
14 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>	24 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>
15 : <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>	25 : <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>
16 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>	26 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>
17 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>	27 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>
18 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>	28 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>

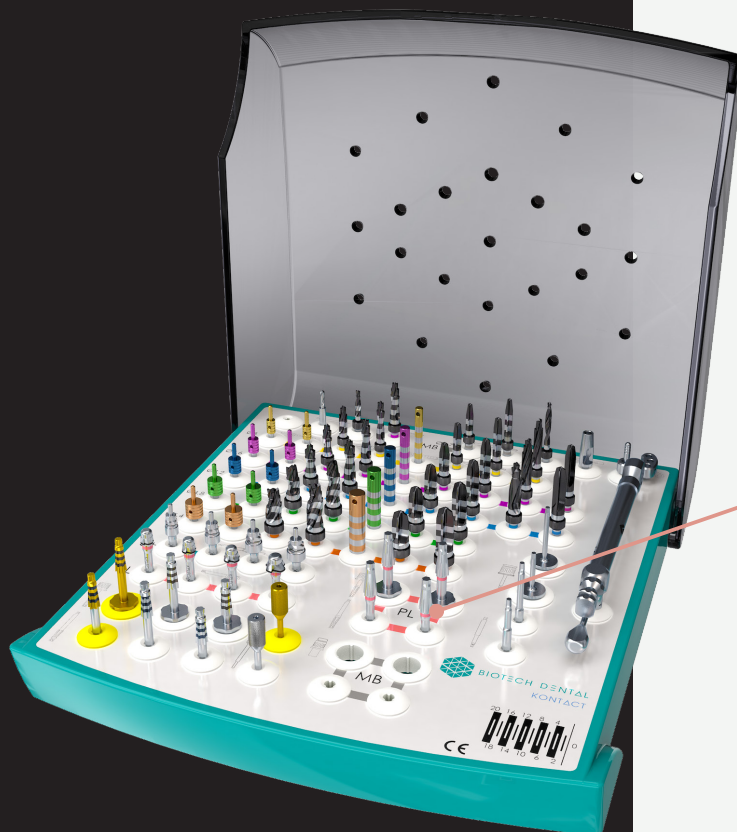
41 : <span style="color: #e91e63;">●</span>	31 : <span style="color: #e91e63;">●</span>
42 : <span style="color: #e91e63;">●</span>	32 : <span style="color: #e91e63;">●</span>
43 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span>	33 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span>
44 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>	34 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>
45 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>	35 : <span style="color: #e91e63;">●</span> <span style="color: #e91e63;">●</span> <span style="color: #3949ab;">●</span>
46 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>	36 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>
47 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>	37 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>
48 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>	38 : <span style="color: #3949ab;">●</span> <span style="color: #4caf50;">●</span> <span style="color: #4caf50;">●</span>

		LENGTHS (mm)				
Ø body	Ø neck	6	8	10	12	14
Ø 3.6 mm	S Ø 3.8 mm		 K36S08PL	 K36S10PL	 K36S12PL	 K36S14PL
Ø 3.6 mm	M Ø 4.2 mm		 K36M08PL	 K36M10PL	 K36M12PL	 K36M14PL
Ø 3.6 mm	L Ø 4.8 mm		 K36L08PL	 K36L10PL	 K36L12PL	 K36L14PL
Ø 4.2 mm	L Ø 4.8 mm	 K42L06PL	 K42L08PL	 K42L10PL	 K42L12PL	 K42L14PL
Ø 4.2 mm	XL Ø 6.0 mm	 K42XL06PL	 K42XL08PL	 K42XL10PL	 K42XL12PL	 K42XL14PL
Ø 4.8 mm	XL Ø 6.0 mm	 K48XL06PL	 K48XL08PL	 K48XL10PL	 K48XL12PL	 K48XL14PL

# SURGERY

## 2

### SURGICAL KIT



✓ Use of a **single surgical kit** with specific **identified** locations for the Kontakt™ PL implant instruments.

✓ **Can be completely disassembled** for easy cleaning.

✓ **Compact** for minimal space requirements and optimal storage.

✓ **Quick** and easy identification of the instruments thanks to the colour marking.

# 1. Characteristics of ancillaries

## DRILLS AND SHAPING DRILLS

- > 2 different lengths of drills and reamers to adapt to different clinical situations.
- > Clear and precise marking on drills and reamers, consistent with the gauges to indicate different drilling depths.



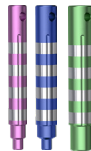
## GAUGES

Different gauges with clear, precise markings identical to the drills are available for better identification.



### Axial gauges:

To control the axis and depth of drilling and the future implant's diameter.



### Drilling depth gauges:

To visualise the drilling depth according to the diameter of the implant.

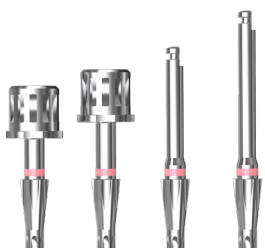
## SPECIFIC INSTRUMENTS DEDICATED TO KONTACT™ PL IMPLANTS

Two types of instruments that are specific to the Kontakt™ PL implant, marked with a pink ring for quick identification:



### Cortical drills:

Adapted to each neck diameter for shaping the bone crest at the implant neck.


































### Insertion mountdriver:

For screwing in the implant.




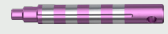











Different versions are available: short and long, manual and contra-angle.

## 2. Instrument references

 Optional

	References	Designations	Implants diameters	Lengths	Colours
	ESP	Spacer parallelizer			
	T001SI	Marking drill Ø 1.5 mm			
	KFT	Marking drills trocar tip		Short	
	KFTL		Long		
	KFE20	Pilot drills Ø 2 mm		Short	
	KFE20L		Long		
	KFE30	Step drills	Ø 3 mm	Short	
	KFE30L			Long	
	KFE36	Step drills	Ø 3.6 mm	Short	
	KFE36L			Long	
	KFE42	Step drills	Ø 4.2 mm	Short	
	KFE42L			Long	
	KFE48	Step drills	Ø 4.8 mm	Short	
	KFE48L			Long	
	KF36	Reamers drills	Ø 3.6 mm	Short	
	KF36L			Long	
	KF42	Reamers drills	Ø 4.2 mm	Short	
	KF42L			Long	
	KF48	Reamers drills	Ø 4.8 mm	Short	
	KF48L			Long	
	KPLFC-S	Cortical drills Countersink	S (Ø 3.8 mm)		
	KPLFC-M		M (Ø 4.2 mm)		
	KPLFC-L		L (Ø 4.8 mm)		
	KPLFC-XL		XL (Ø 6 mm)		

The lines circled in pink represent the indispensable instruments for inserting Kontakt™ PL implants.

	References	Designations	Implants diameters	Lengths
	KJA36	Axial gauges	Ø 3.6 mm	
	KJA42		Ø 4.2 mm	
	KJA48		Ø 4.8 mm	
	KJP36	Drilling depth gauges terminal	Ø 3.6 mm	
	KJP42		Ø 4.2 mm	
	KJP48		Ø 4.8 mm	
	KPLMPI	Manual mountdrivers		Short
	KPLMPIL			Long
	KPLMPICA	Mountdrivers for contra-angle		Short
	KPLMPICAL			Long
	TCA	Contra-angle screwdrivers		Short
	TCAL			Long
	T032	Manual screwdrivers		Short
	T032L			Long
	KCCD	Torque wrench key surgery		

# SURGERY



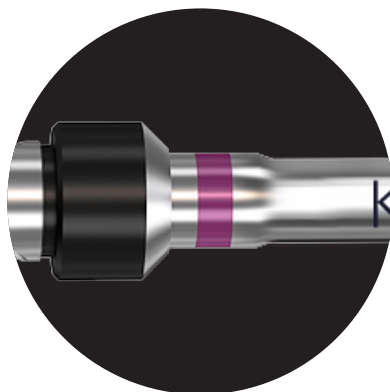
3




FITTING  
PROTOCOL



# 1. Drilling sequence

A coloured ring on the drills makes it possible to quickly identify which implant diameter it corresponds to.

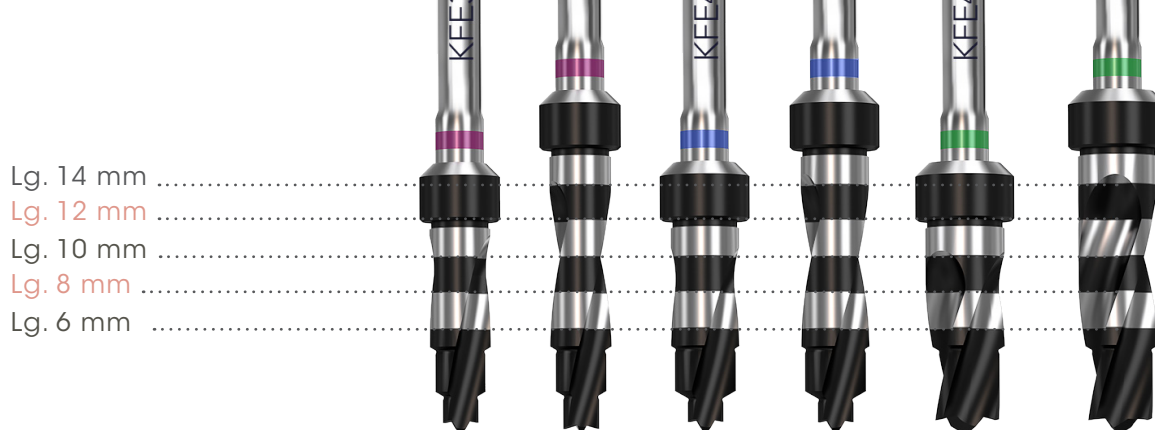



























COLOURS	DIAMETERS (MM)
	3.6
	4.2
	4.8

The diameter and drilling depth are determined when preparing the treatment plan. There is clear and precise marking on the drills to indicate the different drilling lengths.

## DRILL LENGTHS

For implants:



Implant Kontakt™ PL	Marking drill Ø 1.5 mm	Pilot drill Ø 2 mm	Drill Ø 3.0 mm	Drill Ø 3.6 mm	Drill Ø 4.2 mm	Drill Ø 4.8 mm	Reamers*	Cortical drills
	1500 rpm		1000-1200 rpm			700-900 rpm	200 rpm	
 Ø 3.6 / S								 S (Ø 3.8 mm) KPLFC-S
 Ø 3.6 / M					 **		 KF36 (L)	 M (Ø 4.2 mm) KPLFC-M
 Ø 3.6 / L				 **				 L (Ø 4.8 mm) KPLFC-L
 Ø 4.2 / L	1001SI			 **			 KF42 (L)	
 Ø 4.2 / XL					 **			 XL (Ø 6 mm) KPLFC-XL
 Ø 4.8 / XL						 **	 KF48 (L)	

\*The reamers are to be used after the last drill in the sequence, before cortical drilling, **in the case of D1 bone.**

\*\* Not in case of D3/D4 bone.

**Cortical drilling** for shaping the bone crest according to the implant neck profile.



# PROTOCOL BY DIAMETER

Ø  
3.6 mm

Neck  
M



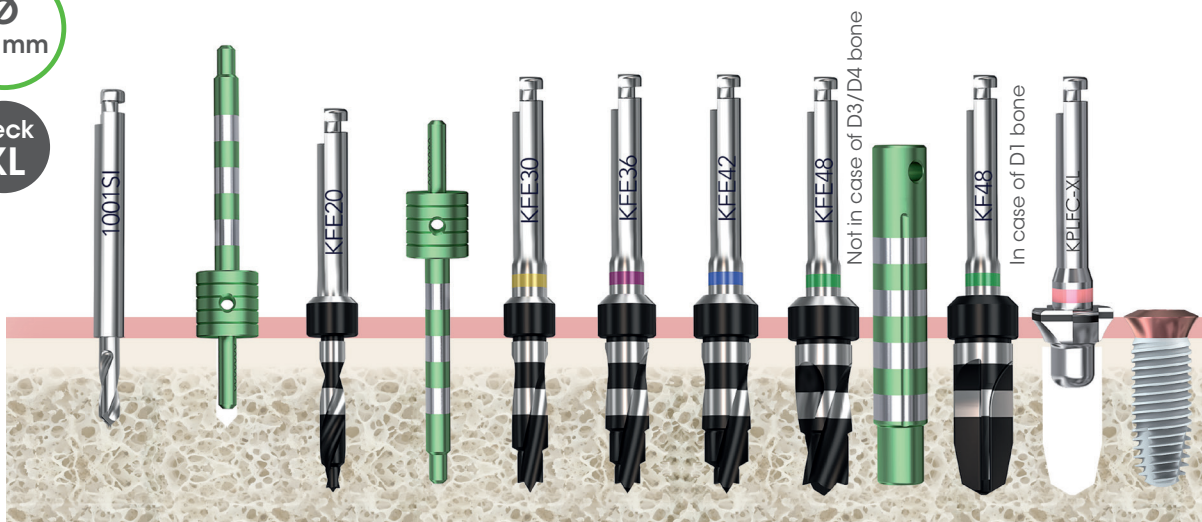
Ø  
4.2 mm

Neck  
XL



Ø  
4.8 mm

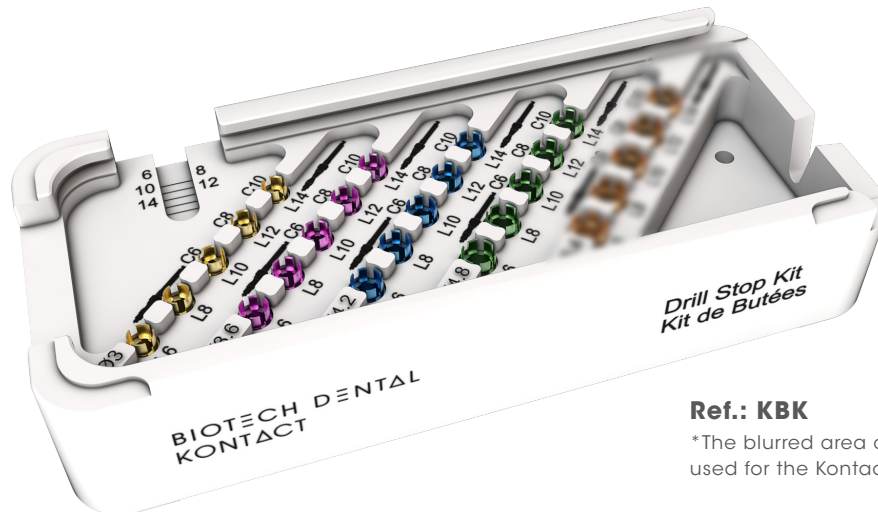
Neck  
XL



## 2. Stops

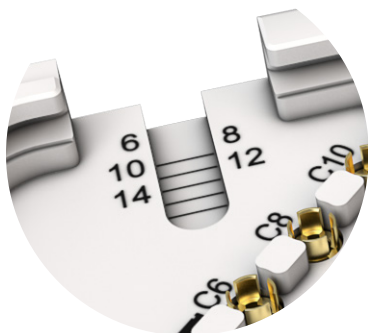
### Using the Kontakt™ stops kit:

- > Delivered in a special, sterilisable kit.



#### Ref.: KBK

\*The blurred area corresponds to references not used for the Kontakt™PL range.



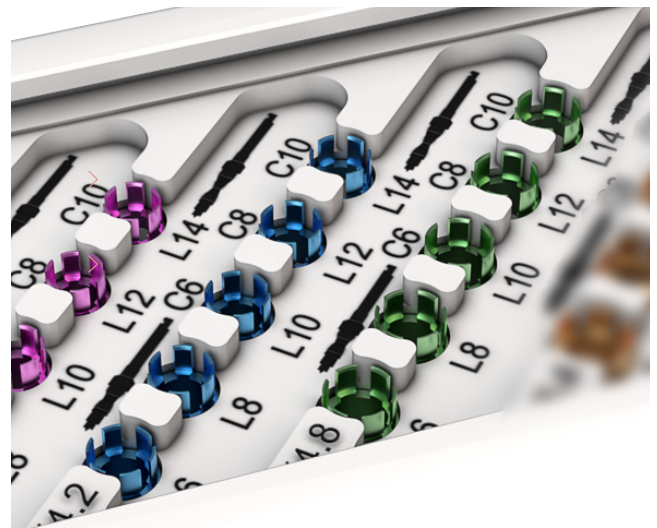
The kit is equipped with a ruler allowing the surgeon to **check the length of the working drill** in case of doubt.

The stops are removable, sterilisable, and available for short and long drills.

### STOPS MARKING

#### For example, C8L12:

- On the long drill, allows the insertion of a 12 mm long implant (L12).
- On the short drill, allows the insertion of an 8 mm long implant (C8).



## FITTING THE STOPS

- > Specific stops, which clip onto the body of the drills.



## REMOVING THE STOP

A system that adapts to all stop diameters has been developed to remove components from the drill **without the risk of soiling or damaging** the practitioner's gloves.

Insert the drill and the stop into the notch on the right side of the kit and pull the drill to the right to release the stop.

Once removed, the stop falls into the space provided for this purpose.

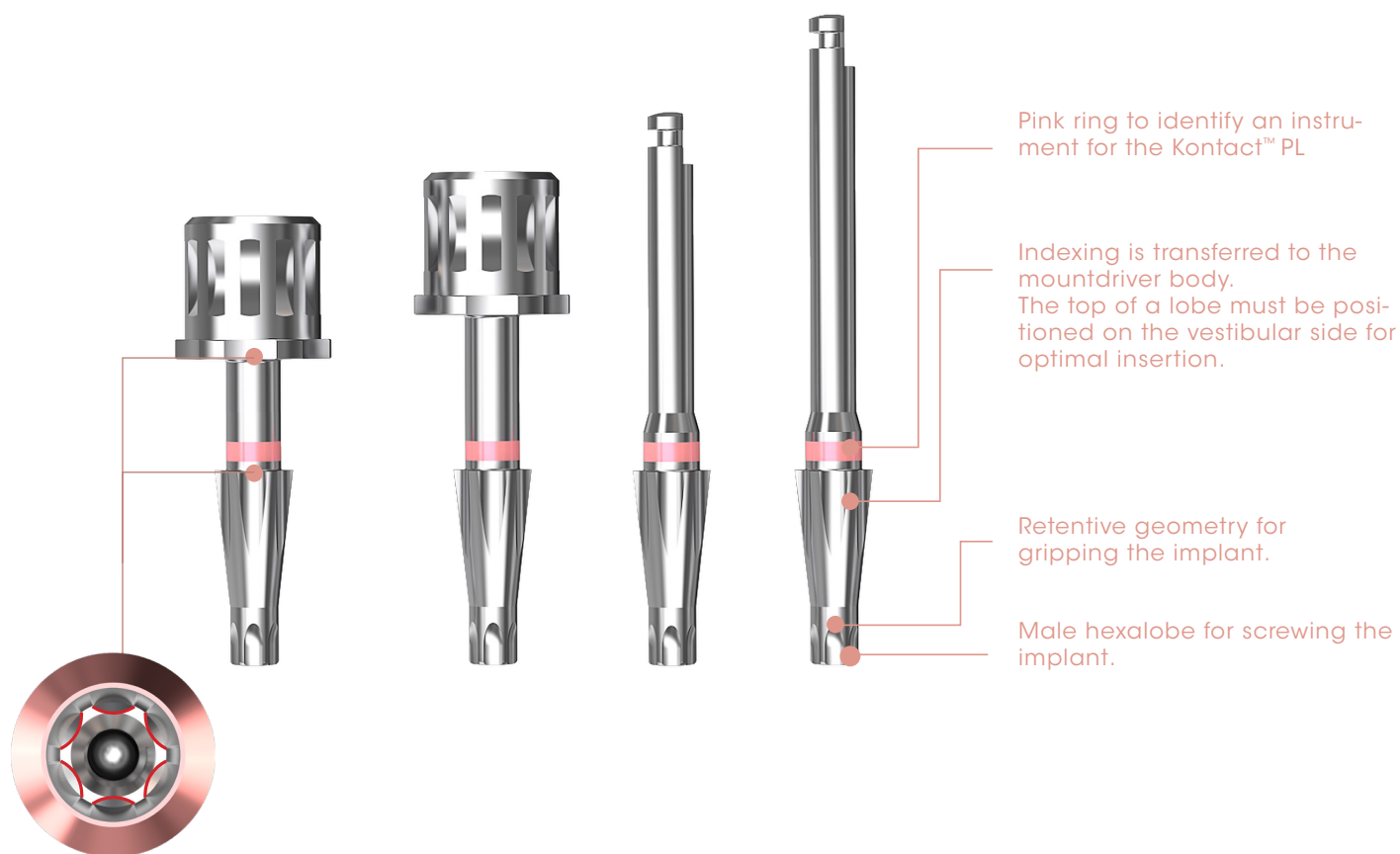


**These kits can be autoclaved.**

Recommended cycles:  
(UE) 134°C - 3 min / (FR) 134°C - 18min.  
Drying time: 20 min.  
Do not use dry heat.

### 3. Insertion of the implants

The implants are inserted with the dedicated Kontakt™ PL implant mountdrivers, manual **Ref.: KPLMPI(L)** or contra-angle **Ref.: KPLMPICA(L)**.

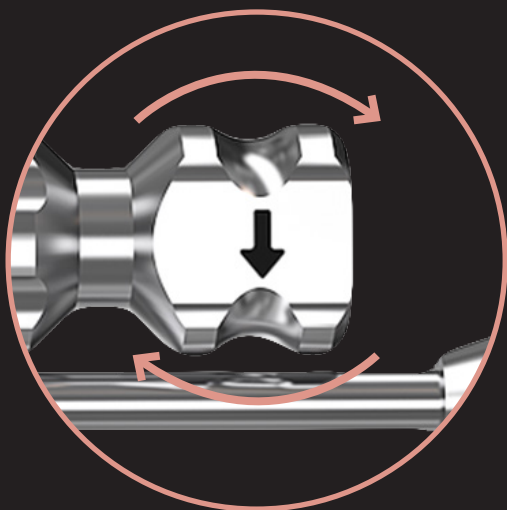


Ref.: KPLMPI	Ref.: KPLMPIL	Ref.: KPLMPICA	Ref.: KPLMPICAL
Manual mountdriver	Long manual mountdriver	Implant mountdriver for contra-angle	Long implant mountdriver for contra-angle

## SURGICAL TORQUE WRENCH



The surgical torque wrench **Ref.: KCCD** comes in the Kontakt™ surgical kit. It allows screwing torque measurement up to **70 N.cm.**



**Reversible** in a single movement, it allows the implant to be screwed and unscrewed without dismantling the wrench.

# 4. Screws

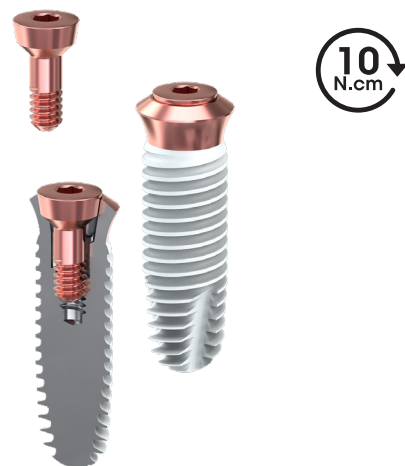
## COVER SCREW

The cover screw, anodised in pink for better aesthetics through the gum, comes with the implant.

Its unique reference is **Ref.: KPLVRC.**

Must be manually screwed in with the screwdriver





















**Ref.: 1032(L) without exceeding 10 N.cm.**



## HEALING SCREW



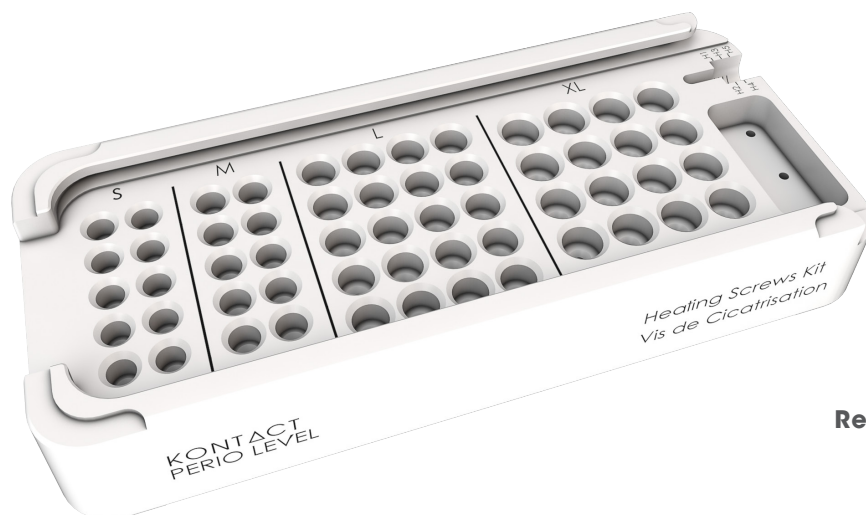
### Heights

Ø Neck	1 mm	2 mm	3 mm	4 mm	5 mm
S (Ø 3.8 mm)	 KPLVC1-S	 KPLVC2-S	 KPLVC3-S	 KPLVC4-S	 KPLVC5-S
M (Ø 4.2 mm)	 KPLVC1-M	 KPLVC2-M	 KPLVC3-M	 KPLVC4-M	 KPLVC5-M
L (Ø 4.8 mm)	 KPLVC1-L	 KPLVC2-L	 KPLVC3-L	 KPLVC4-L	 KPLVC5-L
XL (Ø 6 mm)	 KPLVC1-XL	 KPLVC2-XL	 KPLVC3-XL	 KPLVC4-XL	 KPLVC5-XL



Healing screws **come individually**, non-sterile **in a blister pack and are for single use only**.  
**Ref.: KPLVCKV**, delivered empty, is available to **facilitate the storage of these screws**.

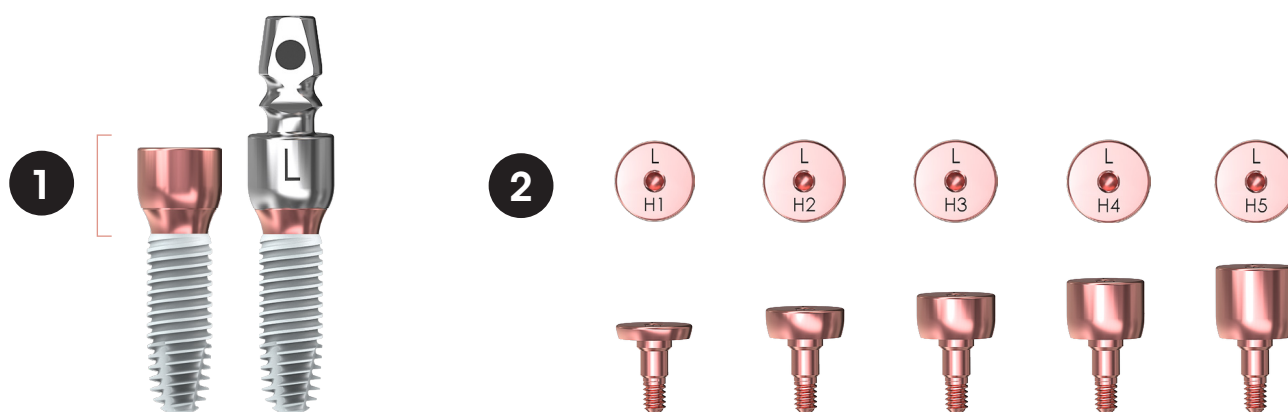
Manual screwing with the screwdriver **Ref.: 1032(L)** **without exceeding 10 N.cm**.



**Ref.: KPLVCKV**

**Adaptation of the transfers to the gingival profiles of the screws:**

- 1** The profiles of the transfers match the profiles of the healing screws.
- 2** Easy identification thanks to the laser marking (neck diameter and gingival height for which the screw is intended).



# PROSTHESIS

## 4 PROSTHETIC KIT

### Use of the Kontakt™ prosthesis kit:

The ancillary instruments required for the prosthetic part are grouped together in the Kontakt™ kit.

This package also includes a torque wrench covering the torque ranges required for the prosthesis (**10 to 30 N.cm**).



**Ref.: KPK**

\*The blurred area corresponds to references not used for the Kontakt™PL range.

## PROSTHETIC SCREWDRIVER

Hexagonal manual screwdriver for screwing in prosthetic parts.

Available in short and long versions.



Ref.: 1032

Ref.: 1032L

Contra-angle screwdriver.

Available in short and long versions.



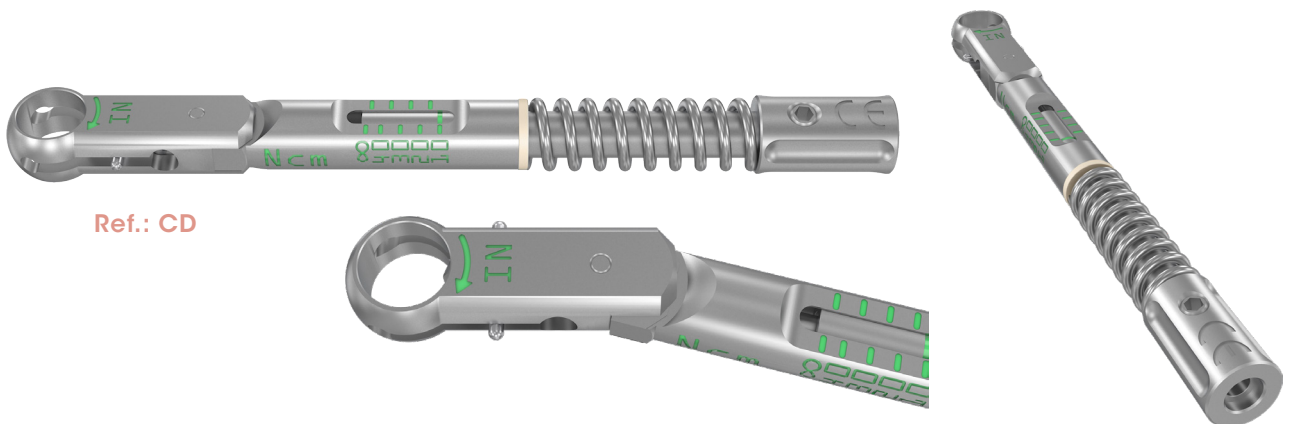
Ref.: TCA

Ref.: TCAL

## PROSTHETIC TORQUE WRENCH

- For manually screwing in prosthetic parts.
- Covers the torque ranges required for the prosthesis (10 to 30 N.cm).
- Disengageable system when torque is reached.

**Warning: the prosthetic parts must be screwed in according to the recommendations in this manual. After use, set the torque wrench to 10 N.cm.**



Ref.: CD


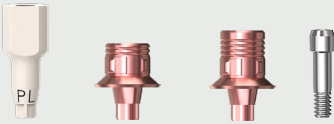
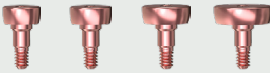
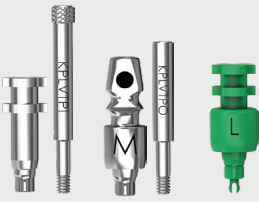

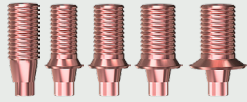
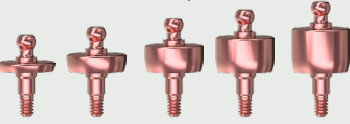
Refers to the manufacturer's instructions available on [www.josefganter.de](http://www.josefganter.de) to disassembly and clean the torque wrench.


# PROSTHETICS

## 5 PROSTHETIC PHASE

### 1. Overview

The Kontakt™ PL range offers various options for cemented, screwed or removable prosthetic restoration stabilized on attachments. It also offers emergence profile management possibilities thanks to the exclusive SSA-GF\* concept of anatomical, customizable and scannable healing abutments.

	Ø Implant neck S (3.8 mm)	Ø Implant neck M (4.2 mm)	Ø Implant neck L (4.8 mm)	Ø Implant neck XL (6 mm)
<b>SSA-GF* direct implant scannable healing abutments, 3 profiles :</b> 	Universal Ht. 2 mm	Universal Ht. 2 mm	Maxillary molar Ht. 1 mm Ht. 2 mm Mandibular molar Ht. 1 mm Ht. 2 mm	Maxillary molar Ht. 1 mm Ht. 2 mm Mandibular molar Ht. 1 mm Ht. 2 mm
<b>CAD/CAM Prosthesis</b> 	PEEK scanbody Ht. 4 mm Ht. 5.5 mm	PEEK scanbody Ht. 4 mm Ht. 5.5 mm	PEEK scanbody Ht. 4 mm Ht. 5.5 mm	PEEK scanbody Ht. 4 mm Ht. 5.5 mm
<b>Conventional healing screws</b> 	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm
<b>Conventional impression taking</b> 	Universal pick up transfer Universal pop up transfer Universal klip up transfer			
	<b>Anatomical pick up - pop up - klip up</b>			
	pick up neck S pop up neck S klip up neck S	pick up neck M pop up neck M klip up neck M	pick up neck L pop up neck L klip up neck L	pick up neck XL pop up neck XL klip up neck XL
<b>Sealed prosthesis</b> 	Straight abutment Angulated abutment 7.5° Angulated abutment 15° Angulated abutment 20°			
<b>Sealed prosthesis</b> 	Universal temporary abutment for implant Temporary abutment for implant neck S Temporary abutment for implant neck M Temporary abutment for implant neck L Temporary abutment for implant neck XL			
<b>Removable prosthesis</b> 	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm	Ht. 1 mm Ht. 2 mm Ht. 3 mm Ht. 4 mm Ht. 5 mm

	Ø Implant neck S (3.8 mm)	Ø Implant neck M (4.2 mm)	Ø Implant neck L (4.8 mm)	Ø Implant neck XL (6 mm)
Screw-retained prosthesis 	KPLEC straight conical abutment and KPLECNI conical non-indexed abutment			
Healing cap for conical abutment 	Healing cap for conical abutment neck S	Healing cap for conical abutment neck M	Healing cap for conical abutment neck L	Healing cap for conical abutment neck XL
Digital impression taking on conical abutments 	PEEK scanbody for conical abutment neck S	PEEK scanbody for conical abutment neck M	PEEK scanbody for conical abutment neck L	PEEK scanbody for conical abutment neck XL
CAD/CAM prosthesis on conical abutments 	Ti-Base for conical abutment neck S	Ti-Base for conical abutment neck M	Ti-Base for conical abutment neck L	Ti-Base for conical abutment neck XL
Conventional impression taking on conical abutments 	Pick up transfer for conical abutment neck S	Pick up transfer for conical abutment neck M	Pick up transfer for conical abutment neck L	Pick up transfer for conical abutment neck XL
Temporary prosthesis on conical abutments in PEEK 	PEEK temporary sleeve for conical abutment neck S	PEEK temporary sleeve for conical abutment neck M	PEEK temporary sleeve for conical abutment neck L	PEEK temporary sleeve for conical abutment neck XL
Screw-retained prosthesis on conical abutments 	Titanium sleeve for conical abutment neck S	Titanium sleeve for conical abutment neck M	Titanium sleeve for conical abutment neck L	Titanium sleeve for conical abutment neck XL
	 Castable sleeve conical abutment neck S	 Castable sleeve conical abutment neck M	 Castable sleeve conical abutment neck L	 Castable sleeve conical abutment neck XL

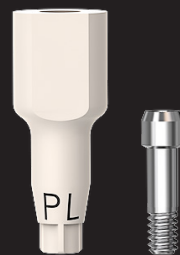
## 2. Taking impressions

There are two techniques for taking impressions for Kontakt™ PL implants:

- **Digital**
- **Conventional (physical)**

Three conventional (physical) impression-taking solutions are possible on the Kontakt™ PL: **pick up, pop up and klip up.**

### DIGITAL



### SCANBODY

### CONVENTIONAL



### Pick up transfer



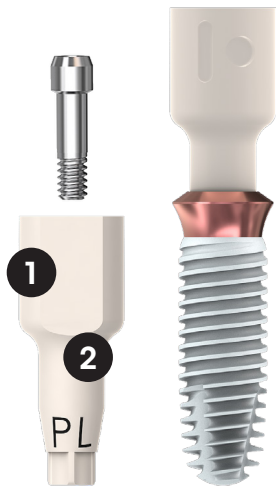
### Pop up transfer



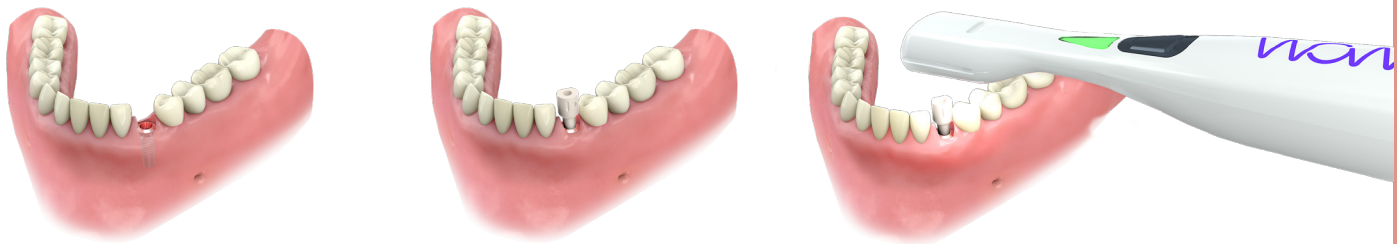
### Klip up transfer

# A - Taking digital impressions

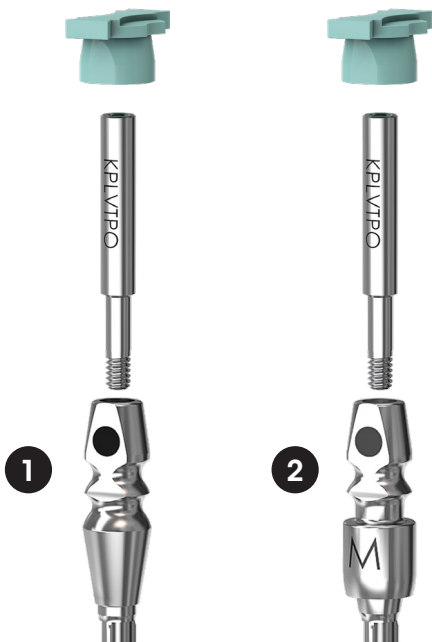
## SCANBODY



- 1 Made of PEEK with a marking for easy identification of the scanbody as well as scanning.
- 2 Effective geometry and design using cylinders and flat sections for good image registration.



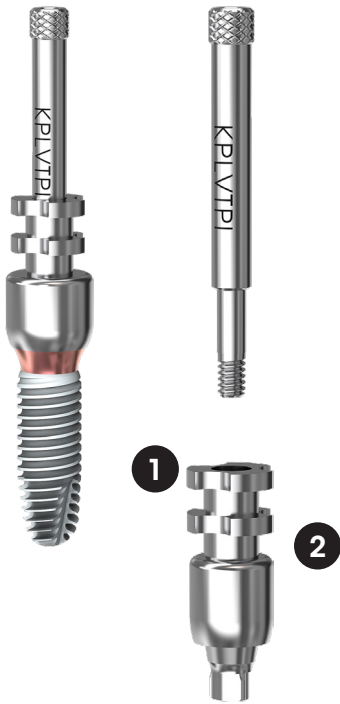
# B - Taking conventional impressions



For each conventional technique, there are 2 transfer options:

- 1 **Universal transfer**, which adapts to all neck diameters because it is not the same shape as the healing screw.
- 2 **Transfer adapted to the implant neck diameter**, adopting the shape of the healing screws, whatever their height, allowing perfect registration of the emergence profile.

## PICK UP - OPEN TRAY TECHNIQUE



1

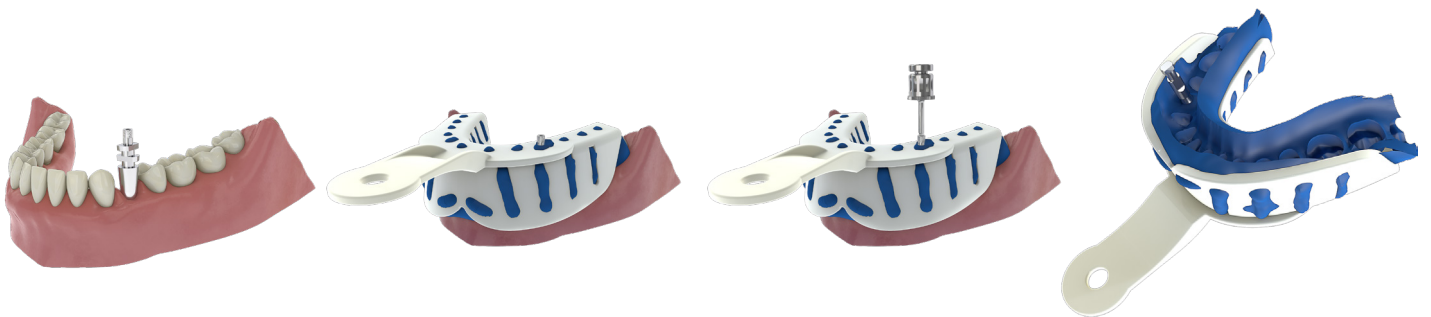
Anti-rotational concave flat sections to ensure rotation locking in the impression paste.










2

Retention ridges to lock the translation in the impression paste.

The pick up transfer screw is manually screwed in with the screwdriver **Ref.:1032(L)**.

Tighten to **10 N.cm.**



	Ø Implant neck S (3.8 mm)	Ø Implant neck M (4.2 mm)	Ø Implant neck L (4.8 mm)	Ø Implant neck XL (6 mm)
Transfers	 KPLTPI-U : Universal pick-up transfer + 1 KPLVTPI screw			
	Pick up transfer S neck + 1 KPLVTPI screw	Pick up transfer M neck + 1 KPLVTPI screw	Pick up transfer L neck + 1 KPLVTPI screw	Pick up transfer XL neck + 1 KPLVTPI screw
	 KPLTPI-S	 KPLTPI-M	 KPLTPI-L	 KPLTPI-XL
Analogs	 KPLDI-S	 KPLDI-M	 KPLDI-L	 KPLDI-XL



# POP UP - CLOSED TRAY TECHNIQUE












- 1** Plastic cap to stop rotation  
Support cone for light retention.
- 2** Two repositioning flat sections:  
for symmetrical fitting, one of the flat sections  
must be positioned on the vestibular side.
- 3** Circular clipping recess for axial stop.

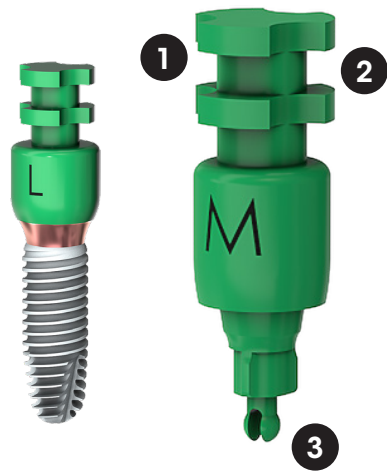
The pop-up transfer screw is manually screwed in with the screwdriver Ref.: 1032(L).

Tighten to **10 N.cm.**












	Ø Implant neck S (3.8 mm)	Ø Implant neck M (4.2 mm)	Ø Implant neck L (4.8 mm)	Ø Implant neck XL (6 mm)
	 KPLTPO-U : Universal pop up transfer + KPLVTPO screw + KCAP			
<b>Transfers</b>	Pop up transfer neck S + KPLVTPO screw + KCAP	Pop up transfer neck M + KPLVTPO screw + KCAP	Pop up transfer neck L + KPLVTPO screw + KCAP	Pop up transfer neck XL + KPLVTPO screw + KCAP
	 KPLTPO-S	 KPLTPO-M	 KPLTPO-L	 KPLTPO-XL
<b>Analogs</b>	 KPLDI-S	 KPLDI-M	 KPLDI-L	 KPLDI-XL

## KLIP UP - CLOSED TRAY TECHNIQUE



- 1** Anti-rotational concave flat sections to ensure rotation locking in the impression paste.
- 2** Retention ridges to lock the translation in the impression paste.
- 3** Retention tabs in the implant threads.









	Ø Neck implant S (3.8 mm)	Ø Neck implant M (4.2 mm)	Ø Neck implant L (4.8 mm)	Ø Neck implant XL (6 mm)
Transfers	 KPLTU-U : Universal klip up transfer			
	Klip up transfer neck S	Klip up transfer neck M	Klip up transfer neck L	Klip up transfer neck XL
	 KPLTU-S	 KPLTU-M	 KPLTU-L	 KPLTU-XL
Analogs	 KPLDI-S	 KPLDI-M	 KPLDI-L	 KPLDI-XL

# 3. Prosthetic parts

## TEMPORARY ABUTMENTS











There are two options for temporary abutments:

- > **Temporary universal abutment** which adapts to all neck diameters because it only fits into the connection without shoulder.
- > **Temporary abutment adapted to the neck implant diameter**, with a shoulder in the shape of the implant neck, preferred solution.

	References	Designations
	KPLVP	Abutment screw
	KPLPP-U	Universal temporary abutment for implant + KPLVP screw
	KPLPP-S	Temporary abutment for neck S implant + KPLVP screw
	KPLPP-M	Temporary abutment for neck M implant + KPLVP screw
	KPLPP-L	Temporary abutment for neck L implant + KPLVP screw
	KPLPP-XL	Temporary abutment for neck XL implant + KPLVP screw

## CAD CAM ABUTMENTS

- > For the realization of a single screw-retained direct implant crown and a custom-made hybrid abutment (Zr-Ti) for the sealed prosthesis.
- > **Adapted to each diameter** of implant neck.
- > **2 coronary heights** (4 mm and 5.5 mm).
- > **Asymmetric triboled geometry** allowing only one possibility of repositioning.
- > **Retention ridges** to optimize bonding.
- > **Thin** gingival collar.
- > **Scanbody** allowing the creation of the digital impression.

	References	Designations
	KPLVP	Abutment screw
	KPLPCADCAM-S	Ti-Base neck S + KPLVP screw
	KPLPCADCAM-M	Ti-Base neck M + KPLVP screw
	KPLPCADCAM-L	Ti-Base neck L + KPLVP screw
	KPLPCADCAM-XL	Ti-Base neck XL + KPLVP screw
	KPLPCADCAML-S	High Ti-Base neck S + KPLVP screw
	KPLPCADCAML-M	High Ti-Base neck M + KPLVP screw
	KPLPCADCAML-L	High Ti-Base neck L + KPLVP screw
	KPLPCADCAML-XL	High Ti-Base neck XL + KPLVP screw
	KPLPSCANP	PEEK scanbody + KPLVPL screw

The Ti-Base is screwing in using the screwdriver **Ref. : 1032(L)** and the prosthesis torque wrench **Ref. : CD** or at the contra-angle with the screwdriver for contra-angle **Ref. : TCA(L)**.  
Tighten to **30 N.cm.**

## SSA-GF\* ABUTMENTS (SEALING SOCKET ABUTMENT)



### > 3 SSA-GF\* abutments shapes:

- **Universal shape** for implants with a S or M neck,
- **Mandibular molar shape** for implants with a L or XL neck,
- **Maxillary molar shape** for implants with a L or XL neck.

The SSA-GF\* abutments can be scanned directly and used as a scanbody.

	References	Designations	Neck Ø	Heights (in mm)
	KPLPSSA-S	SSA-GF abutment neck S + KPLVP screw	S	2 mm
	KPLPSSA-M	SSA-GF abutment neck M + KPLVP screw	M	2 mm
	KPLPSSAMD-L	SSA-GF abutment for mandibular molar neck L + KPLVP screw	L	1 mm
	KPLSSAMD2-L			2 mm
	KPLPSSAMD-XL	SSA-GF abutment for mandibular molar neck XL + KPLVP screw	XL	1 mm
	KPLPSSAMD2-XL			2 mm
	KPLPSSAMX-L	SSA-GF abutment for maxillary molar neck L + KPLVP screw	L	1 mm
	KPLPSSAMX2-L			2 mm
	KPLPSSAMX-XL	SSA-GF abutment for maxillary molar neck XL + KPLVP screw	XL	1 mm
	KPLPSSAMX2-XL			2 mm











The SSA-GF\* abutment is screwed on manually using the screwdriver **Ref. : 1032(L)**  
Tighten to **10 N.cm.**

\* Sealing Socket Abutment - gingival Fit

## STANDARD ABUTMENTS

- > For **single** or **plural cemented restorations**.
- > **Line marking the limit** not to be exceeded when retouching the abutments.
- > **Laser marking angulations**.
- > **Flat for indexing** the crown.
- > **1.2mm hexagon abutment screw for standard screwdriver:**
  - Gray for final installation,
  - Brown for try-on and laboratory work.



















	References	Designations
	KPLVP	Abutment screw
	KPLVPL	Laboratory abutment screw
	KPLP	Straight abutment + KPLVP screw
	KPLPA75	Angulated abutment 7.5° + KPLVP screw
	KPLPA150	Angulated abutment 15° + KPLVP screw
	KPLPA200	Angulated abutment 20° + KPLVP screw
	KPLPJF	Straight try-in abutment
	KPLPA75JF	Angulated try-in abutment 7.5°
	KPLPA150JF	Angulated try-in abutment 15°
	KPLPA200JF	Angulated try-in abutment 20°









The standard abutment is screwed in using the screwdriver **Ref. : 1032(L)** and the prosthesis torque wrench **Ref. : CD** or at the contra-angle with the screwdriver for contra-angle **Ref. : TCA(L)**.

Tighten to **30 N.cm**.

## CONICAL ABUTMENTS

- > **Single restorations:** use the straight conical abutments **Ref. KPLEC** with three-lobed geometry allowing only one possibility of repositioning.
- > **Multiple restorations:** use unindexed conical abutments **Ref. KPLECNI**.
- > **Dedicated hardware adapted to each implant neck diameter:** transfers, duplicates and healing caps.
- > **Two impression-taking techniques:**
  - Digital by intraoral scanner on scanning caps of conical abutments,
  - Conventional (physical) on the conical abutments for the Kontakt™ PL implant: pick up transfers (open sky technique).

	References	Designations
	KPLEC	Straight conical abutment
	KPLECNI	Conical non-indexed abutment
	KPLEAVGC	Conical abutment screw
	KPLEACC-S	Healing cap for conical abutment neck S
	KPLEACC-M	Healing cap for conical abutment neck M
	KPLEACC-L	Healing cap for conical abutment neck L
	KPLEACC-XL	Healing cap for conical abutment neck XL
	KPLEATPU-S	Pick up transfer for conical abutment neck S + KPLEAVTPU screw
	KPLEATPU-M	Pick up transfer for conical abutment neck M + KPLEAVTPU screw
	KPLEATPU-L	Pick up transfer for conical abutment neck L + KPLEAVTPU screw
	KPLEATPU-XL	Pick up transfer for conical abutment neck XL + KPLEAVTPU screw
	KPLEAVTPU	Pick up transfer screw for conical abutment
	KPLEAAP-S	Conical abutment analog neck S
	KPLEAAP-M	Conical abutment analog neck M
	KPLEAAP-L	Conical abutment analog neck L
	KPLEAAP-XL	Conical abutment analog neck XL









	References	Designations
	KPLECSCANP-S	PEEK scanbody for conical abutment neck S + KPLEAVGCL screw
	KPLECSCANP-M	PEEK scanbody for conical abutment neck M + KPLEAVGCL screw
	KPLECSCANP-L	PEEK scanbody for conical abutment neck L + KPLEAVGCL screw
	KPLECSCANP-XL	PEEK scanbody for conical abutment neck XL + KPLEAVGCL screw
	KPLECCADCAM-S	Ti-Base for conical abutment neck S + KPLEAVGC screw
	KPLECCADCAM-M	Ti-Base for conical abutment neck M + KPLEAVGC screw
	KPLECCADCAM-L	Ti-Base for conical abutment neck L + KPLEAVGC screw
	KPLECCADCAM-XL	Ti-Base for conical abutment neck XL + KPLEAVGC screw





The conical abutment is screwed in with the screwdriver. **Ref. : 1032(L)** and the torque wrench prosthesis **Ref. : CD** or at the contra-angle with the screwdriver for contra-angle **Ref. : TCA(L)**. Tighten to **30 N.cm**.

The healing caps, impression transfer and scanning caps for conical abutments are screwed in using the screwdriver **Ref. : 1032(L)**. Tighten manually without exceeding **10 N.cm**.

The Ti-Bases for conical abutment are screwed in using the screwdriver **Ref. : 1032(L)** and the torque wrench prosthesis **Ref. : CD** or at the contra-angle with the screwdriver for contra-angle **Ref. : TCA(L)**. Tighten to **30 N.cm**.

- > **PEEK temporary sleeves** for conical abutment,
- > **Castable sleeve** for conical abutment,
- > **Titanium sleeve** for conical abutment.

	References	Designations
	KPLECGPP-S	PEEK temporary sleeve for conical abutment neck S + KPLEAVGC screw
	KPLECGPP-M	PEEK temporary sleeve for conical abutment neck M + KPLEAVGC screw
	KPLECGPP-L	PEEK temporary sleeve for conical abutment neck L + KPLEAVGC screw
	KPLECGPP-XL	PEEK temporary sleeve for conical abutment neck XL + KPLEAVGC screw
	KPLECGT-S	Titanium sleeve for conical abutment neck S + KPLEAVGC screw
	KPLECGT-M	Titanium sleeve for conical abutment neck M + KPLEAVGC screw
	KPLECGT-L	Titanium sleeve for conical abutment neck L + KPLEAVGC screw
	KPLECGT-XL	Titanium sleeve for conical abutment neck XL + KPLEAVGC screw

	References	Designations
	KPLEAGC-S	Castable sleeve conical abutment neck S + KPLEAVGC screw
	KPLEAGC-M	Castable sleeve conical abutment neck M + KPLEAVGC screw
	KPLEAGC-L	Castable sleeve conical abutment neck L + KPLEAVGC screw
	KPLEAGC-XL	Castable sleeve conical abutment neck XL + KPLEAVGC screw

The sleeves for conical abutments are screwed in using the screwdriver **Ref. : 1032(L)** and the torque wrench prosthesis **Ref. : CD** or at the contra-angle with the screwdriver for contra-angle **Ref. : TCA(L)**.  
Tighten to **30 N.cm**.

The sleeves are to be used with and indexed conical abutment for single crowns and **MUST be with a non-indexed conical abutment** for multiple restorations.














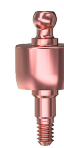




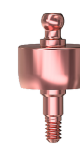
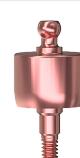
The indexing of the sleeves will have no anti-rotational engagement effect thanks to the absence of indexing at the level of the abutment.

The insertion of the passive bridge will be facilitated.



## REMOVABLE PROSTHESIS STABILIZATION

- > **Ball attachments** for prosthesis stabilization.
- > **5 heights available:** 1, 2, 3, 4 and 5 mm.
- > Compatible with attachment **Sphero Block of RHEIN83®**.
- > **Same profile** as the healing screws.
- > **Adapter to each** implant neck diameter.
- > Anodized in pink for a **better aesthetic rendering**.
- > **Laser marking** for the identification of diameters and heights.

Heights					
Ø Neck	1 mm	2 mm	3 mm	4 mm	5 mm
<b>S</b>	 KPLBALL1-S	 KPLBALL2-S	 KPLBALL3-S	 KPLBALL4-S	 KPLBALL5-S
<b>M</b>	 KPLBALL1-M	 KPLBALL2-M	 KPLBALL3-M	 KPLBALL4-M	 KPLBALL5-M
<b>L</b>	 KPLBALL1-L	 KPLBALL2-L	 KPLBALL3-L	 KPLBALL4-L	 KPLBALL5-L
<b>XL</b>	 KPLBALL1-XL	 KPLBALL2-XL	 KPLBALL3-XL	 KPLBALL4-XL	 KPLBALL5-XL

The ball attachments is screwed in using the screwdriver **Ref. : 1032(L)** and the torque wrench prosthesis **Ref. : CD** or at the contra-angle with the screwdriver for contra-angle **Ref. : TCA(L)**. Tighten to **30 N.cm**.

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## GENERAL INFORMATION

To place your orders, please contact our sales administration team

**Email:** [exportsales@biotech-dental.com](mailto:exportsales@biotech-dental.com)

## Hours

**08h30 - 18h00** (Monday to Thursday)

**08h30 - 17h00** (Friday)

For all orders placed before 4.00 pm, we guarantee delivery the next day (business days)

## Prosthesis hotline

**Claude Canton:** Head of the prosthesis division

**Phone:** +33 (0)4 86 17 60 00

**Email:** [c.canton@biotech-dental.com](mailto:c.canton@biotech-dental.com)

## Training

To introduce you to and inform you about our system, the training centre offers:

- > Clinical training courses
- > Prosthetic training course
- > Theme days

For more information on our training courses, please contact:  
**Biotech Dental Academy**

### PARIS

36, Rue des Petits Champs  
75002 Paris - France

**Tel.:** + 33 (0)6 26 30 40 46

**E-mail:** [academy@biotech-dental.com](mailto:academy@biotech-dental.com)

### SALON-DE-PROVENCE

305, Allées de Craponne  
13300 Salon-de-Provence - France

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Biotech Dental - A simplified company limited by shares (S.A.S.) with a capital of €24,866,417.

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Kontakt™ / Kontakt™ PL: manufactured by Biotech Dental. Class I, IIa and IIb medical devices. CE0459. All of these medical devices must be used by qualified and trained health professionals. All brands are under the responsibility of their respective manufacturers. Read the instructions carefully.

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