

PROSTHETIC SOLUTIONS

FOR BONE LEVEL KONTACT™ IMPLANTS



Prosthetic components and protocols to restore
Kontakt™ and Kontakt™ S+ ranges



BIOTECH DENTAL

WARNINGS AND RECOMMENDATIONS

The use of components from the Bone Level* KONTACT™ range is intended for practitioners who have already acquired the necessary training on dental implantology.

They must have the KONTACT™ prosthetics kit.



The information mentioned in this document is specific to the Bone Level* KONTACT™ range, including KONTACT™ and KONTACT™ S +.

The prosthetics system from Bone Level range must only be used on Biotech Dental's Bone Level implants and in compliance with instructions, protocols and recommendations provided by our company.

Practitioner will be held responsible for any complications resulting from a use not complying with our recommendations. Biotech Dental will not be held responsible for complications resulting from non-compliance.

*The Bone Level KONTACT™ range includes KONTACT™ and KONTACT™ S+

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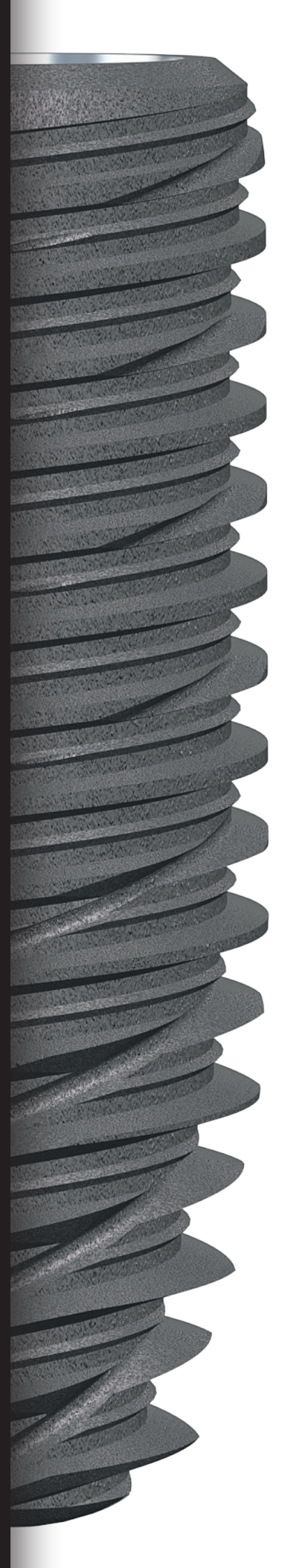
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1

SPECIFICATIONS FOR BONE LEVEL KONTACT™ IMPLANTS



All BIOTECH DENTAL's Bone Level Kontakt™ range of implants benefits from an indexed morse taper connection.

The bacteriological impermeability and the perfect fit between the implant and the abutment eliminate micromovements. It increases the mechanical strength of the implant-abutment pair.

The implants from the Bone Level Kontakt™ range have the following features:

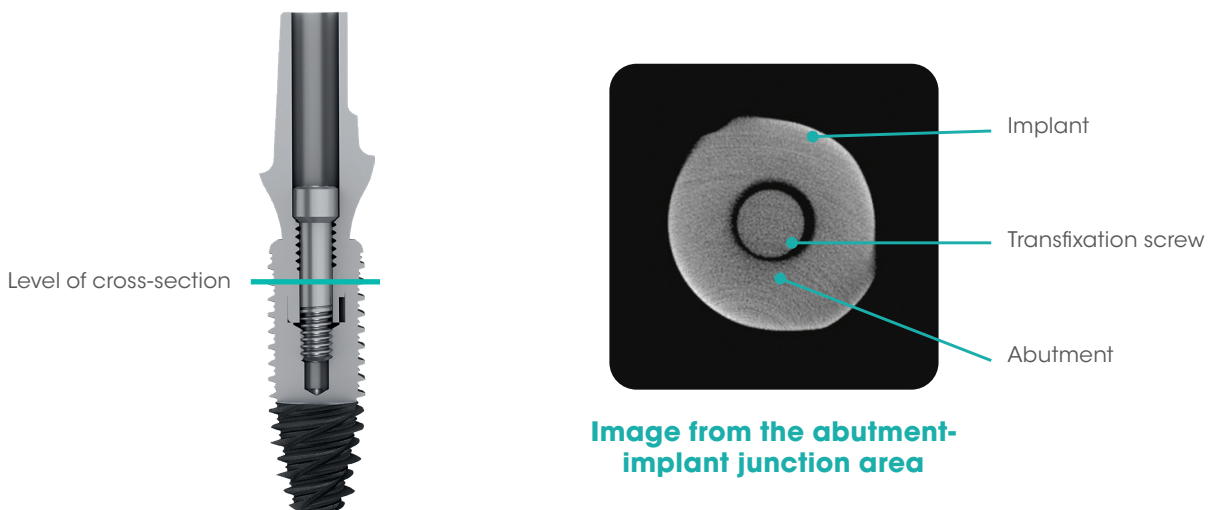
- Cylindro-conical morphology,
- Grade V medical titanium (TA6V ELI) or grade IV pure titanium (T60),
- A self-locking internal connection on a 10° "morse taper", to ensure a perfect hermeticity to oral flora's bacteria,
- A connection combined with a patented "STSystem®" hexalobular indexed system, allowing the abutment to have 6 different positions inside the implant.

It facilitates the abutment introduction and an intuitive, fast and reliable repositioning

Identical connection on all Bone Level Kontakt™ range and all implants diameters **except for Ø3mm.**

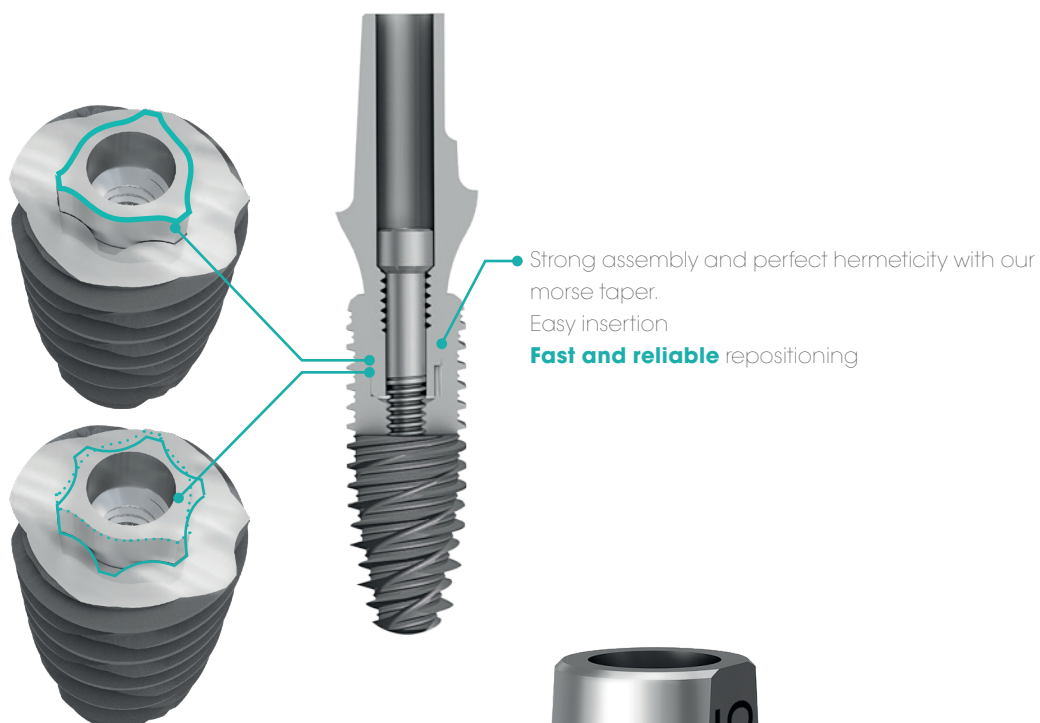


For the Kontakt™ implant, a study to assess the quality of the sealed connection between the prosthetics phase and the implant was conducted to highlight our system's reliability.

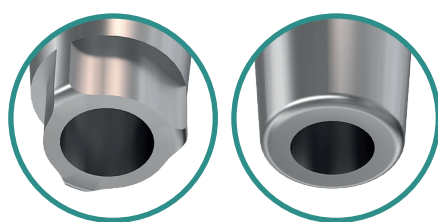


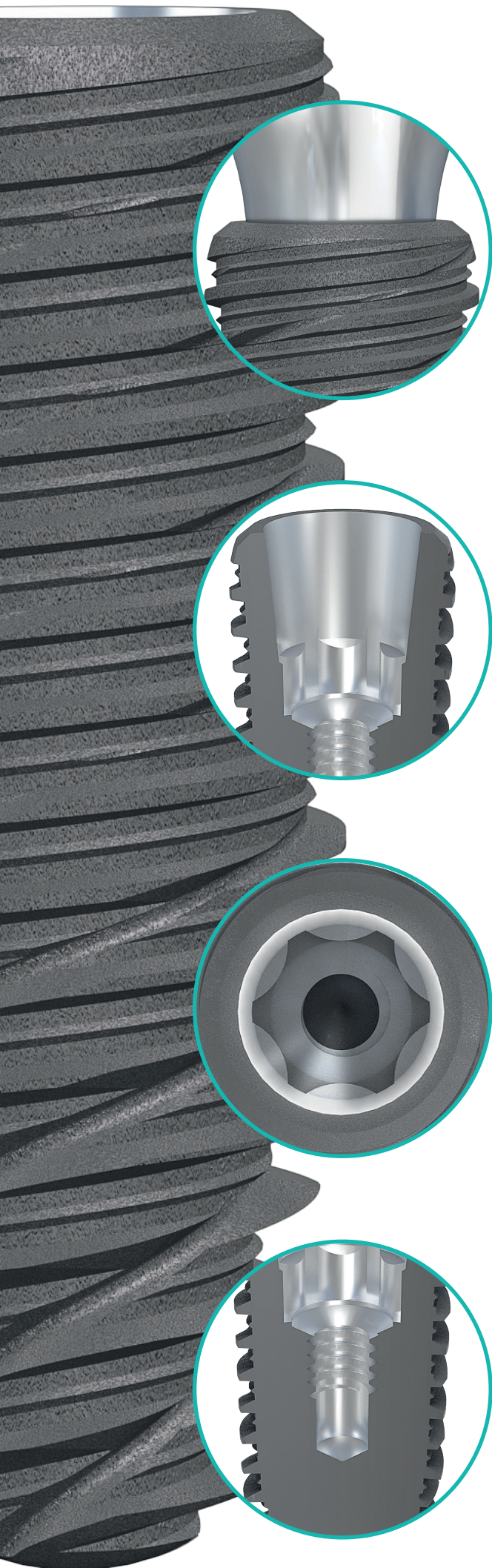
** The *in vitro* comparative preclinical study N 29 J of bacterial infiltration at the abutment/implant interface of 2 dental implants on 30/12/2013. Results: [...] **there was no bacterial migration from the inside to the external environment of the implant.**

1.1. FEATURES FOR BONE LEVEL CONTACT™ IMPLANTS



Abutments are available in
indexed and **non-indexed** versions.





PLATFORM SWITCHING

Platform switching is in synergy with a stable and bacteria-proof morse taper connection.

It leaves more space to peri-implant hard and soft tissues, improving vascularisation for a long-term tissue stability and limiting the occurrence of peri-implantitis.

MORSE TAPER CONNECTION (10°)

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

SIX-THREE SYSTEM® PATENTED HEXALOBULAR INDEXED SYSTEM

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

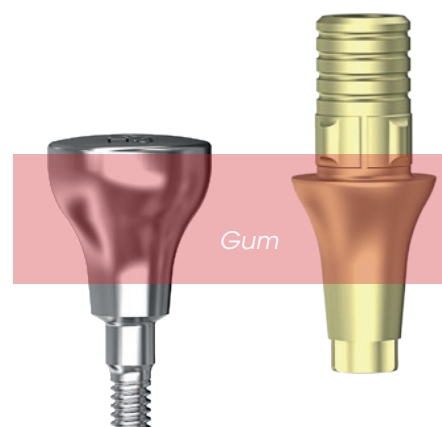
Patent n°CN103458819 (A) - Dental implant - 2013

INTERNAL THREAD Ø1.4MM

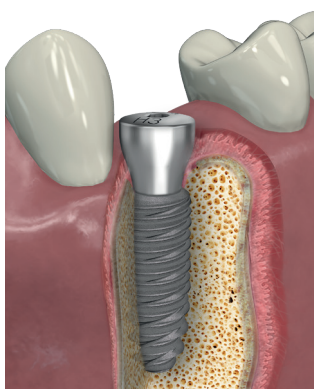
1.2. CHOICE OF HEALING SCREW AND LEVEL OF BURYING

Advise on healing screw diameters further to the recommended 2mm subcrestal burying of Bone Level Kontakt™ implants:

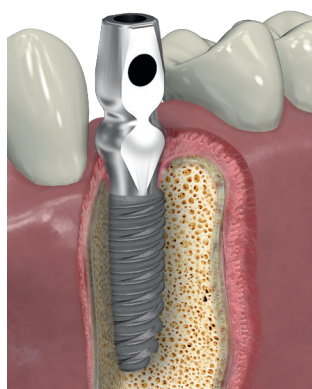
MAXILLARY	Teeth	Emergence profile			
		Ø 3 mm	Ø 4 mm	Ø 5 mm	Ø 6.5 mm
	Central incisor			✓	✓
	Lateral incisor	✓	✓		
	Canine		✓	✓	
	Premolar			✓	
MANDIBLE	Molar			✓	✓
	Teeth	Emergence profile			
		Ø 3 mm	Ø 4 mm	Ø 5 mm	Ø 6.5 mm
	Incisor	✓	✓		
	Canine	✓	✓		
	Premolar		✓	✓	
	Molar			✓	✓



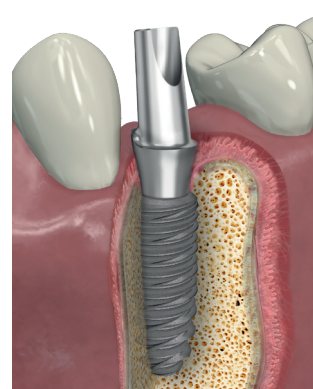
The choice of screw should also consider the emergence and implant axis, not to mention tissue quality and the type of prosthesis fabricate.



Healing screw



Impression copings



Abutment

2

PROSTHESES KIT

Use of KONTACT™ prostheses kit:







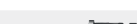
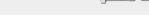

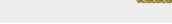


The required tools for the prosthetics part are in the prostheses kit.

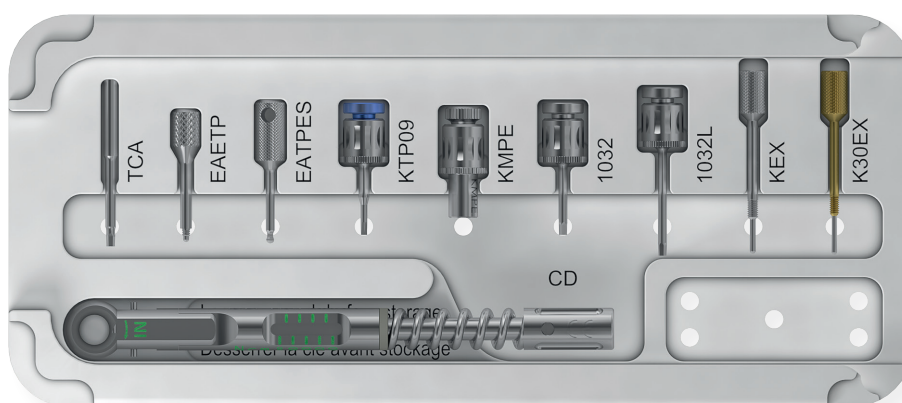
This kit also offers a torque wrench key covering all torque ranges required for the prostheses **(10 to 30 Ncm)**.








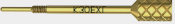

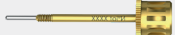









Ref.: KPK

2.1. TOOLS INCLUDED IN THE KIT

	References	Designations	Lengths
	TCA	Contra-angle hexagonal screwdriver	
	EAETP	Prehensile screwdriver for conical abutment	
	EATPES	Hexagonal screwdriver with spherical-tipped end	
	KTP09	Narrow prosthesis screwdriver	
	KMPE	Chuck holder for conical abutment	7 mm
	1032	Hexagonal prosthesis screwdriver	12 mm
	1032L	Long hexagonal manual screwdriver	18 mm
	KEX	Abutment extractor	Short
	K30EX	Abutment Extractor Ø3.0mm	Short
	CD	Torq wrench key 10-30 N	
	KPK	Prosthesis kit	
	KPKV	Empty prosthesis kit	



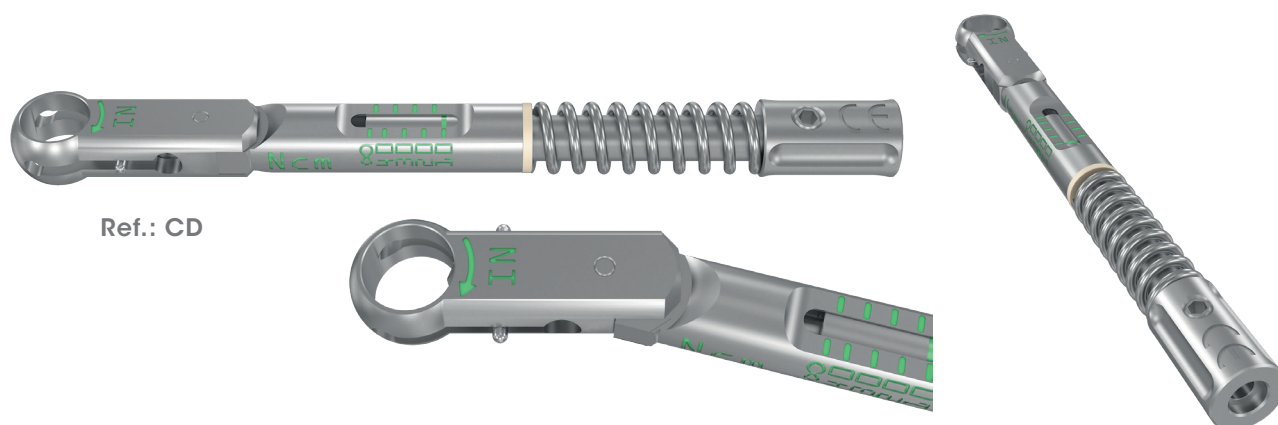
2.2. ADDITIONAL TOOLS AVAILABLE

	References	Designations	Lengths
	TCAS	Contre-angle short hexagonal screwdriver	Short
	TCAL	Contra-angle long hexagonal screwdriver	Long
	KMPEM	Long chucuk holder for conical abutment	14 mm
	TCTP	Flathead short screwdriver	Short
	1032S	Short hexagonal manual screwdriver	6 mm
	K30EXL	Long abutment Extractor Ø3.0mm	Long
	K30EXC	Ø 3.0 mm abutment extractor for key	Short
	K30EXLC	Long Ø 3.0 mm abutment extractor for key	Long
	KEXL	Long abutment extractor	Long
	KEXC	Abutment extrator for key	Short
	KEXLC	Long abutment extractor for key	Long
	KTP09S	Short narrow prosthesis screwdriver	Short
	KTP09L	Long narrow prosthesis screwdriver	Long
	KTP09CA	Narrow hexagonal screwdriver for contra-angle	
	KTP09CAS	Short narrow hexagonal screwdriver for contra-angle	Short
	KTP09CAL	Long narrow hexagonal screwdriver for contra-angle	Long
	EATPESL	Long spherical-tipped screwdriver	Long
	534-1000235	Adapter for contra-angle	

2.3. USE OF THE PROSTHESES TORQUE WRENCH KEY

- Manual tightening of prosthetics parts.
Covers torque ranges required for the prostheses (10 to 30 Ncm).
(see next page)
- Uncoupled system once the torque is reached.

Warning: prosthetics parts should be torqued according to this manual. After using it, adjust the torque wrench key to 10 Ncm.



Ref.: CD

Refer to the manufacturer's IFU to dismantle and clean the torque wrench key, available on:



www.josefganter.de

2.4. TORQUE SETTINGS

The required torque is common to all Bone Level Kontakt™ diameters, **including the 3mm diameter.**

Torque details:

- 10 Ncm = manual tightening or with the torque wrench key **WITHOUT EXCEEDING 10 Ncm.**
- 20 Ncm = tightening with a torque wrench key to the torque of 20 Ncm.
- 30 Ncm = tightening with a torque wrench key to the torque of 30 Ncm.



Torque adjustment
by rotation

	Torque
<ul style="list-style-type: none"> • Cover screw • Healing screw • healing caps • OmniPost anatomical healing caps • impression coping screw • SSA-GF* caps • Scanbodies 	
<ul style="list-style-type: none"> • Ti-Bases • temporary abutments • standard abutments • NanoPost abutments • FitPost abutments • UniPost abutments • conical abutments and narrow conical • OmniPost abutments • SSA-GF* abutments • overcasted abutments • IsoPost abutments • Kball attachments • Locator® abutments 	
<ul style="list-style-type: none"> • Transfixation screw for OmniPost caps 	

* Sealing Socket Abutment Gingival Fit

3

SPECIFIC PROSTHETICS
SOLUTIONS

Ø 3MM KONTACT™ RANGE

3.1. Ø 3MM KONTACT™ SPECIFIC CONNECTION *

Mechanical stress on narrow diameter implants require a specific connection:

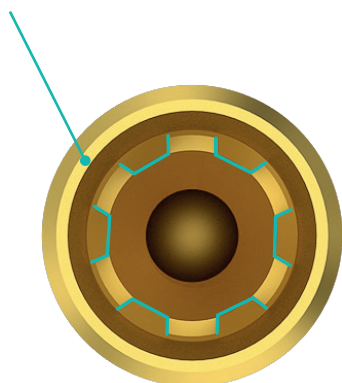
- Similar angular opening but reduced height (2.20mm compared to 2.50mm for other diameters) and a reduced emergent diameter for a developed surface which is reduced to 16mm² (compared to 20mm² for other diameters).
- Splined hexagonal indexing.

Only for single prostheses, cementable or screw-retained, and directly on an implant or Ti-Base.

> Implant features

3.0mm diameter

Hexagonal indexing with a splined impression for Ø 3.0mm implant



Sketch from the analog connections

Ø 3.0mm implants are kept for reduced spaces.

They can be used to replace mandibular incisors and maxillary lateral incisors.

> Observation

Ø 3.0mm implants are delivered with the cover screw **ref. K30VRC**.

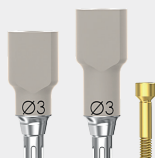


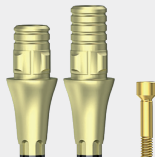
The high cover screw (2mm) **ref. K30VRCE** is delivered on request and free of charge.

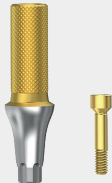

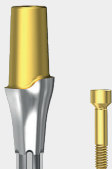
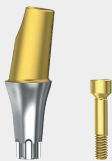
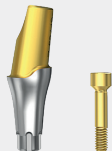


Cover screws for Ø 3.0mm implants are gold.



*All parts and tools from the Ø 3.0mm implants range can be identified by their gold colored.

3.2. OVERVIEW

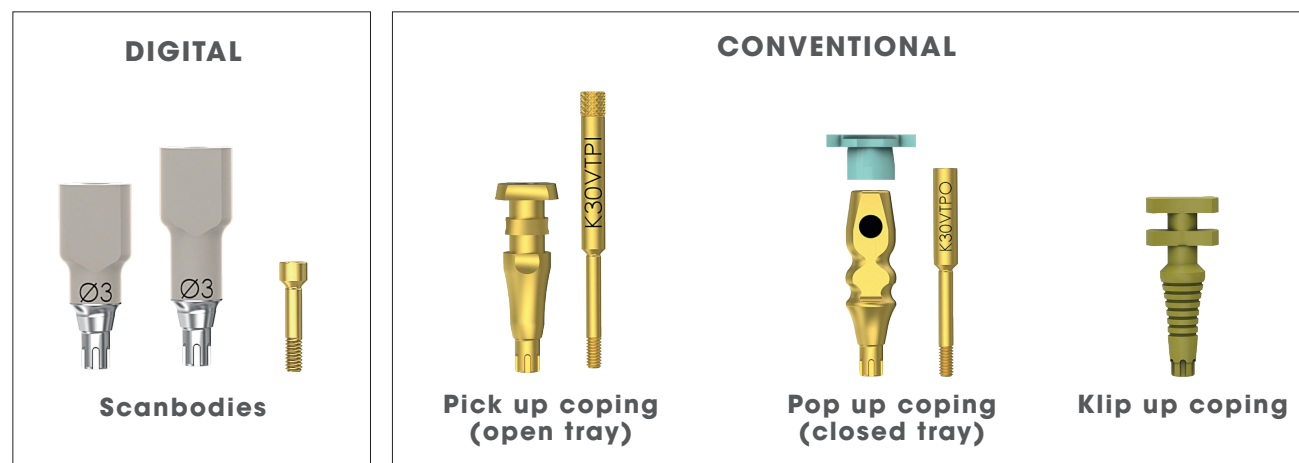
Prosthetics solutions	Components description
<p>DIGITAL IMPRESSION</p> 	<p>PEEK / Titanium scanbody + screw: Diameter: 3mm</p> <p>Long PEEK / Titanium scanbody + screw: Diameter: 3mm</p>
<p>CONVENTIONAL IMPRESSION</p> 	<p>Pick up coping + screw: Diameter: 3mm</p> <p>Pick up coping anatomical Cica + screw: Diameter: 3mm Heights: 1.5 – 3 – 4 – 5mm</p> <p>Pop up coping (closed tray) + screw + Plastic cap: Diameter: 3mm</p> <p>Pop up coping anatomical Cica (closed tray) + screw + Plastic cap: Diameter: 3mm Heights: 1.5 – 3 – 4 – 5mm</p> <p>Klip up plastic coping: Diameter: 3mm</p>
<p>IMPLANT ANALOG</p> 	<p>Implant analog: Diameter: 3mm</p>
<p>CAD/CAM PROSTHESES</p> 	<p>Ti-Bases + screw: Diameter: 3mm Heights: 1.5 – 3 – 4 – 5mm Chimney heights: 4 – 5.5mm</p>

Prosthetics solutions	Components description
<p>TEMPORARY PROSTHESES</p> 	<p>Temporary abutments + screw: Diameter: 3mm Heights: 1.5 – 3 – 4 – 5mm</p>
<p>SEALED PROSTHESES</p>    	<p>Indexed and non scalloped straight standard abutments + screw: Diameter: 3mm Heights: 1.5 – 3 – 4 – 5mm</p> <p>Indexed and scalloped straight standard abutments + screw: Diameter: 3mm Heights: 1.5 – 3 – 4 – 5mm</p> <p>Indexed and non scalloped angulated standard abutments + screw: Diameter: 3mm Angulations: 7.5 – 15° Heights: 1.5 – 3 – 4 – 5mm</p> <p>Indexed and scalloped angulated standard abutments + screw: Diameter: 3mm Angulations: 7.5 – 15° Heights: 1.5 – 3 – 4 – 5mm</p>
<p>TRY-IN ABUTMENTS</p>  	<p>Try-in straight standard abutments: Diameter: 3mm Hauteurs: 1.5 – 3 – 4 – 5mm</p> <p>Try-in angulated standard abutments: Diameter: 3mm Angulations: 7.5 – 15° Hauteurs: 1.5 – 3 – 4 – 5mm</p>

There are two methods to take impressions for Ø 3mm Bone Level Kontakt™ range of implants:

- digital
- conventional (Chemicophysical)

Digital impressions on scanbody with an intraoral scanner are possible on Ø 3mm Bone Level Kontakt™ range of implants (Open pick up and closed pop up and klip up methods), as well as three conventional impressions.



3.3. DIGITAL IMPRESSIONS WITH INTRAORAL SCANNER AND TI-BASES FOR CAD/CAM PROSTHESES

SCANBODIES FOR Ø 3MM DIRECT IMPLANTS

PEEK/Titanium scanbodies allow impressions with an intraoral scanner. Available in 2 lengths.



	References	Designations	Diameter
	K30PSCANP	PEEK scanbody for implant Ø3.0mm + K30VPL screw	Ø 3 mm
	K30PSCANPLG	Long PEEK scanbody for implant Ø3.0mm + K30VPL screw	

Protocol is described in page 40.

TI-BASES FOR Ø 3MM IMPLANTS

Ti-bases are intended for the CAD/CAM prostheses.

They are made of titanium anodised in a gold color so labs do not have grey ceramic because of the metal. Also to get warm colors with the following features:

- **2 chimney heights 4 or 5.5mm,**
- Available in 4 gingival heights 1.5 – 3 – 4 – 5mm,
- Delivered with their final abutment screw **ref. K30VP.**



	References	Designations	Diameter	Chimney heights	Gingival heights
	K30PCADCAM15	Short titanium base for Ø3mm implant + K30VP screw	Ø 3 mm	4 mm	1.5 mm
	K30PCADCAM30				3 mm
	K30PCADCAM40				4 mm
	K30PCADCAM50				5 mm
	K30PCADCAM15-L		Ø 3 mm	5.5 mm	1.5 mm
	K30PCADCAM30-L				3 mm
	K30PCADCAM40-L				4 mm
	K30PCADCAM50-L				5 mm

3.4. CONVENTIONAL OPEN-TRAY PICK UP IMPRESSION FOR Ø 3MM IMPLANTS

For open tray and conventional pick up impression, they are two impression coping options:



Pick-Up coping Ø3.0mm Ref. K30TPI.

Cica anatomical pick up coping range Ref. K30TPIxx.

We recommend the use of Cica anatomical coping which maintains the gingival profile during impressions. Indeed, scientific studies have shown it can lose 31% of volume in one minute*.

Protocol is described in page 42.

Ø 3MM CLASSIC PICK UP COPING

10 Ncm		References	Designations	Diameter
		K30TPI	Pick-Up transfer Ø3.0mm + K30VTPI screw	Ø 3 mm
		K30VTPI	Pick-Up transfer screw Ø3.0mm	

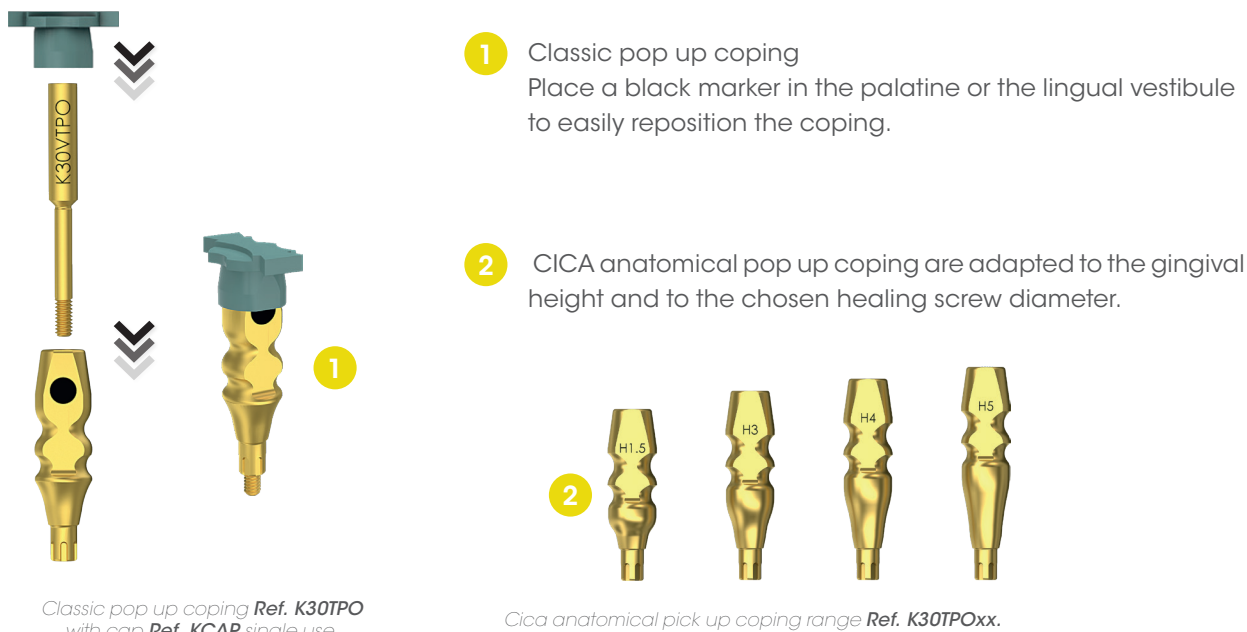
Ø 3MM ANATOMICAL PICK UP COPING, CICA

10 Ncm		References	Designations	Diameter	Heights
		K30TPI15	Pick-up impression coping Ø3.0 H1.5mm + K30VTPI15 screw	Ø 3 mm	1,5 mm
		K30TPI30	Pick-up impression coping Ø3.0 H3mm + K30VTPI30 screw		3 mm
		K30TPI40	Pick-up impression coping Ø3.0 H4mm + K30VTPI40 screw		4 mm
		K30TPI50	Pick-up impression coping Ø3.0 H5mm + K30VTPI50 screw		5 mm
		K30VTPI15	Pick-up impression coping screw Ø3.0		1,5 mm
		K30VTPI30			3 mm
		K30VTPI40			4 mm
		K30VTPI50			5 mm

* The effect of mucosal cuff shrinkage around dental implants during healing abutment replacement J Nissan, E Zenziper, O Rosner, R Koleran, L Chaushu, G Chaushu J Oral Rehabil . 2015 Oct;42(10):774-8. doi: 10.1111/joor.12315. Epub 2015 Jul 1.

3.5. CONVENTIONAL CLOSED-TRAY POP UP IMPRESSION FOR Ø 3MM IMPLANTS

For closed tray and conventional pop up impression, they are two impression coping options:



We recommend the use of Cica anatomical coping which maintains the gingival profile during impressions. Indeed, scientific studies have shown it can lose 31% of volume in one minute*.

Protocol is described in page 45.

Ø 3MM CLASSIC POP UP COPING

References	Designations	Diameter
K30TPO	Pop-Up transfer Ø3.0mm + K30VTPO screw + Plastic cap KCAP	Ø 3 mm
K30VTPO	Pop-Up transfer screw Ø3.0mm	

Ø 3MM ANATOMICAL POP UP COPING, CICA

References	Designations	Diameter	Heights
K30TPO15	Pop up impression coping Ø3.0 H1.5mm + K30VTPO15 screw + KCAP	Ø 3 mm	1.5 mm
K30TPO30	Pop up impression coping Ø3.0 H3mm + K30VTPO30 screw + KCAP		3 mm
K30TPO40	Pop up impression coping Ø3.0 H4mm + K30VTPO40 screw + KCAP		4 mm
K30TPO50	Pop up impression coping Ø3.0 H5mm + K30VTPO50 screw + KCAP		5 mm
K30VTPO15	Pop up impression coping screw Ø3.0		1.5 mm
K30VTPO30			3 mm
K30VTPO40			4 mm
K30VTPO50			5 mm


* The effect of mucosal cuff shrinkage around dental implants during healing abutment replacement J Nissan, E Zenziper, O Rosner, R Kolerman, L Chaushu, G Chaushu J Oral Rehabil . 2015 Oct;42(10):774-8. doi: 10.1111/joor.12315. Epub 2015 Jul 1.

3.6. CONVENTIONAL IMPRESSIONS FOR Ø 3MM KLIP UP

Closed tray impression for klip up coping has a classic profile made of gold-colored plastic and can easily take an impression of the implant:

Protocol is described in page 48.

Ø 3MM KLIP UP COPING

	Reference	Designation	Diameter
	K30TU	Klip-Up transfer Ø3.0mm	Ø 3 mm

Protocol is described in page 46.

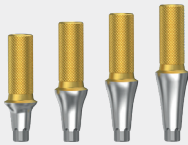
3.7. Ø 3MM TEMPORARY ABUTMENTS

Temporary abutments are used to make the temporary crown in the laboratory or the dentist's office, and to fix it on the implant.



Made of titanium with the following features:

- Straight, single diameter 3mm,
- 4 available heights: 1.5 – 3 – 4 – 5mm,
- Delivered with their abutment screw **Ref. K30VP**.



	References	Designations	Diameter	Heights
	K30PP	Temporary abutment Ø3.0mm + K30VP screw	Ø 3 mm	1.5 mm
	K30PP3			3 mm
	K30PP4			4 mm
	K30PP5			5 mm

3.8. ANALOG FOR Ø 3MM IMPLANT

	References	Designations	Diameter
	K30DI	Implant analog Ø3.0mm	Ø 3 mm
	34_610_164_01-2G	Digital analog with screw Comp.0164	

3.9. Ø 3MM STANDARD ABUTMENTS

Standard abutments intended for a cementable prostheses can be milled (the coronal part only) in the laboratory.

Made of titanium with the following features:

- Made of titanium anodised in a gold color to distinguish them from other diameters,
- A large range of heights, diameters and angulations are available,
- Delivered with their final abutment screw **Ref. K30VP**,
- Laboratory screw **Ref. K30VPL** free on request (for laboratory use only).

The shape of a standard abutment is selected according to each case using the following constraints:



- Emergence profile of the healing screw,
- Height of the tooth to be replaced,
- Implant angulation in relation to the prosthetics axis,

This selection can be facilitated by using try-in abutments (go page 29).

INDEXED AND NON SCALLOPED STRAIGHT STANDARD ABUTMENTS

Recommended in the following cases:



- Single or multiple cementable restorations without correcting the axis,
- When the tissue is flat (no papilla).

					References	Designations	Diameter	Heights
					K30PST	Non scalloped straight standard abutment Ø 3.0 mm + screw K30VP	Ø 3 mm	1.5 mm
					K30PST3			3 mm
					K30PST4			4 mm
					K30PST5			5 mm

INDEXED AND SCALLOPED STRAIGHT STANDARD ABUTMENTS

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When a scalloped abutment can improve aesthetics.



					References	Designations	Diameter	Heights
					K30P	Straight standard abutment Ø3.0mm + K30VP screw	Ø 3 mm	1.5 mm
					K30P3			3 mm
					K30P4			4 mm
					K30P5			5 mm

INDEXED AND NON-SCALLOPED ANGULATED STANDARD ABUTMENTS

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When the tissue is flat.





	References	Designations	Diameter	Angulations	Heights
	K30PSTA75	Non scalloped angulated standard abutment Ø3.0mm + screw K30VP	Ø 3 mm	7.5°	1.5 mm
	K30PSTA753				3 mm
	K30PSTA754				4 mm
	K30PSTA755				5 mm
	K30PSTA150			15°	1.5 mm
	K30PSTA1503				3 mm
	K30PSTA1504				4 mm
	K30PSTA1505				5 mm

INDEXED AND SCALLOPED ANGULATED STANDARD ABUTMENTS



Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When a scalloped abutment can improve aesthetics.



	References	Designations	Diameter	Angulations	Heights
	K30PA75	Angulated standard abutment Ø3.0mm + K30VP screw	Ø 3 mm	7.5°	1.5 mm
	K30PA753				3 mm
	K30PA754				4 mm
	K30PA755				5 mm
	K30PA150			15°	1.5 mm
	K30PA1503				3 mm
	K30PA1504				4 mm
	K30PA1505				5 mm

3.10. Ø 3MM ABUTMENT SCREW



	References	Designations	Diameter
	K30VP	Abutment screw Ø3.0mm	Ø 3 mm
	K30VPL	Lab abutment screw Ø3.0mm	

3.11. TRY-IN ABUTMENTS FOR Ø 3MM STANDARD ABUTMENTS

	References	Designations	Diameter	Angulations	Heights
	K30PJF	Straight try-in abutment Ø3.0mm	0°	Ø 3 mm	1.5 mm
	K30PJF3				3 mm
	K30PJF4				4 mm
	K30PJF5				5 mm
	K30PAJF75	Try-in angulated abutment 7.5° Ø3.0mm	7.5°	Ø 3 mm	1.5 mm
	K30PAJF753				3 mm
	K30PAJF754				4 mm
	K30PAJF755				5 mm
	K30PAJF150	Try-in angulated abutment 15° Ø3.0mm	15°	Ø 3 mm	1.5 mm
	K30PAJF1503				3 mm
	K30PAJF1504				4 mm
	K30PAJF1505				5 mm

3.12. OTHER TOOLS FOR Ø 3MM IMPLANTS

CARRIER

	References	Designations
	K30DIMAM	Implant analog Ø3.0mm for grinding handle
	K30MPIMAM-C	Short chuck Ø3.0mm for grinding handle

ABUTMENT EXTRACTOR FOR Ø 3MM IMPLANTS


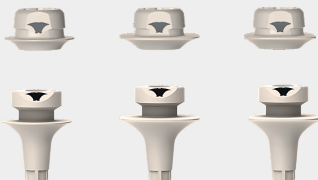
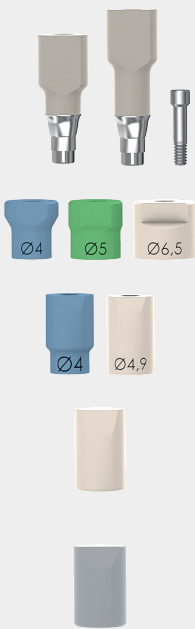
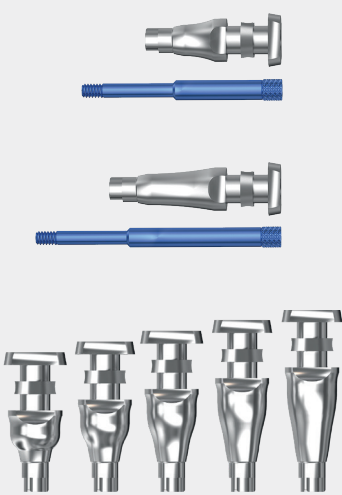
	References	Designations	Lengths
	K30EX*	Abutment Extractor Ø3.0mm	Short
	K30EXL	Long abutment Extractor Ø3.0mm	Long
	K30EXC	Ø 3.0 mm abutment extractor for key	Short
	K30EXLC	Long Ø 3.0 mm abutment extractor for key	Long

included in the prostheses kit **Ref. KPK.*

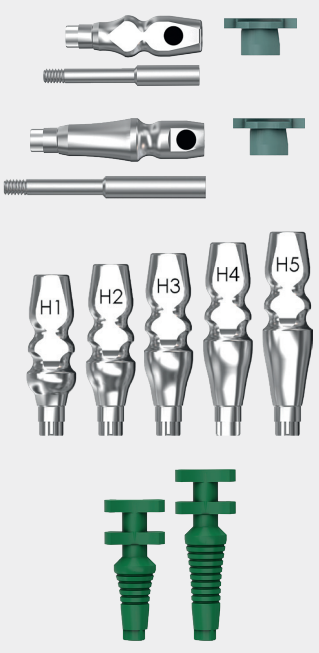
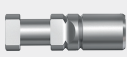


4




PROSTHETICS SOLUTIONS KONTACT™ RANGE


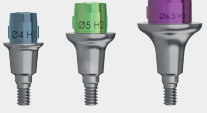


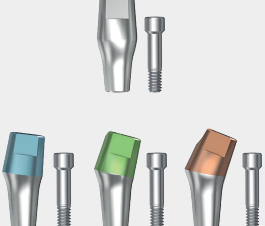
OVERVIEW

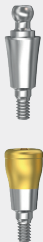

Prosthetics solutions	Components description
<p>ANATOMICAL HEALING AND SCANNABLE</p> 	<p>OmniPost healing cap + screw: universal, mandibular molar, maxillary molar</p>
<p>ANATOMICAL HEALING, CUSTOMISABLE AND SCANNABLE</p> 	<p>SSA-GF* cap for OmniPost abutment + screw: universal, mandibular molar, maxillary molar</p> <p>Direct implant SSA-GF* for scannable healing abutments + screw: universal, mandibular molar, maxillary molar</p>
<p>DIGITAL IMPRESSION</p> 	<p>PEEK/Titanium scanbody for implant + screw Long PEEK/Titanium scanbody for implant + screw</p> <p>PEEK scanbody for UniPost abutment + screw: Diameters: 4 – 5 – 6.5mm</p> <p>PEEK scanbody for Narrow conical abutment + screw: Diameter: 4mm</p> <p>PEEK scanbody for conical abutment + screw: Diameter: 4.9mm</p> <p>PEEK scanbody for OmniPost abutment</p> <p>PEEK scanbody for IsoPost abutment</p>
<p>CONVENTIONAL IMPRESSION</p> 	<p>Pick up coping (open tray) + screw: Short</p> <p>Long pick up coping (open tray) + screw: Long</p> <p>Anatomical Cica pick up coping (open tray) + screw: Diameters: 4 – 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p>

* Sealing Socket Abutment – Gingival Fit

Prosthetics solutions	Components description
<p>CONVENTIONAL IMPRESSION</p> 	<p>Pop up coping (closed tray) + screw + Plastic cap: Court</p> <p>Long pop up coping (closed tray) + screw + Plastic cap: Long</p> <p>Anatomical Cica pop up coping (closed tray) + screw + Plastic cap: Diameters: 4 – 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Klip up plastic coping: Short and long</p>
<p>IMPLANT ANALOG</p> 	<p>Implant analog Digital implant analog</p>
<p>CAD/CAM PROSTHESES</p> 	<p>Ti-Bases + screw: Diameters: 4 – 5 – 6.5mm Heights: 0.7 – 1 – 2 – 3 – 4 – 5mm Chimney heights: 4 – 5.5mm</p> <p>Dynamic Ti-Bases + screw: Diameters: 4 – 5mm Heights: 1 – 2 – 3mm</p> <p>Ti-bases for UniPost abutments + screw: Diameters: 4 – 5 – 6.5mm</p> <p>Ti-bases for narrow conical abutments + screw: Diameter: 4mm Chimney heights: 3.2 – 6.2mm</p> <p>Ti-Bases for conical abutments + screw: Diameter: 4.9mm Chimney heights: 4.7 – 8.2mm</p>
<p>TEMPORARY PROSTHESES</p> 	<p>Temporary abutments + screw: Diameter: 4.5mm Hieghts: 1 - 2 - 3 - 4 - 5mm</p>

Prosthetics solutions	Components description
<p>CEMENTED PROSTHESES</p> 	<p>Indexed and non-scalloped straight standard abutments + screw: Diameters: 4 – 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Indexed and scalloped straight standard abutments + screw: Diameters: 4 – 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Non-indexed and scalloped straight standard abutments + screw: Diameters: 4 – 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Indexed and non-scalloped angulated standard abutments + screw: Diameters: 4 – 5 – 6.5mm Angulations: 7.5 – 15 – 22° Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Indexed and scalloped angulated standard abutments + screw: Diameters: 4 – 5 – 6.5mm Angulations: 7.5 – 15 – 22° Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Non-indexed and scalloped angulated standard abutments + screw: Diameters: 4 – 5 – 6.5mm Angulations: 7.5 – 15 – 22° Heights: 1 – 2 – 3 – 4 – 5mm</p>
<p>CEMENTED PROSTHESES ON NON EDITABLE SHORT ABUTMENTS</p> 	<p>Straight NanoPost abutments + screw: Diameters: 4.2 – 5.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Angulated NanoPost abutments + screw: Diameter: 4.2mm Angulations: 7.5 – 15° Heights: 1 – 2 – 3 – 4 – 5mm</p>
<p>CEMENTED PROSTHESES ON MACHINABLE ABUTMENTS</p> 	<p>Straight machinable abutments Fit-Post + screw: Diameters: 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Angulated machinable abutments Fit-Post + screw: Diameter: 5mm Angulation: 30° Heights: 1 – 2 – 3 – 4 – 5mm</p>

Prosthetics solutions	Components description
<p>OMNIPOST CONCEPT</p> 	<p>Indexed OmniPost straight abutments + screw: Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Indexed OmniPost angulated abutments + screw: Angulations: 7.5 – 15 – 20° Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Non-indexed OmniPost angulated abutments + screw: Angulations: 7.5 – 15 – 20° Heights: 1 – 2 – 3 – 4 – 5mm</p>
<p>SINGLE SCREW-RETAINED PROSTHESES</p> 	<p>UniPost abutments: Diameters: 4 – 5 – 6.5mm Heights: 1 – 2 – 3 – 4 – 5mm</p>
<p>MULTIPLE SCREW-RETAINED PROSTHESES (MUA)</p> 	<p>Straight narrow conical abutments: Diameter: 4mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Angulated narrow conical abutments + screw: Diameter: 4mm Angulations: 17 – 30° Height: 4mm</p> <p>Straight conical abutments: Diameter: 4.9mm Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Angulated conical abutments + screw: Diameter: 4.9mm Angulations: 17 – 30° Heights: 2 – 3 – 4 – 5mm</p> <p>Non-indexed angulated conical abutment + screw: Diameter: 4.9mm Angulations: 17 – 30° Heights: 2 – 3 – 4 – 5mm</p>
<p>OVERCASTED PROSTHESES</p> 	<p>CrCo overcasted abutments + sleeve + screw: Diameters: 4 – 5mm Hauteurs: 1 – 2 – 3 – 4 – 5mm</p>
<p>TELESCOPIC PROSTHESES</p> 	<p>Straight IsoPost abutments + screw: Heights: 1.5 – 3 – 5mm</p> <p>Angulated IsoPost abutments + screw: Angulations: 7.5 – 15 – 22° Heights: 1.5 – 3 – 5mm</p>

Prosthetics solutions	Components description
<p>STABILIZATION OF REMOVABLE PROSTHESES</p> 	<p>KBALL ball abutments: Heights: 1 – 2 – 3 – 4 – 5mm</p> <p>Locator® abutments: Heights: 1 – 2 – 3 – 4 – 5 – 6mm</p>
<p>TRY-IN ABUTMENTS</p> 	<p>Try-in abutments for straight standard abutments: Diameter: 4 mm Heights: 1 – 2 – 3 – 4 – 5 mm</p> <p>Try-in abutments for angled standard abutments: Diameter: 4 mm Angulations: 7.5 – 15 – 22° Heights: 1 – 2 – 3 – 4 – 5 mm</p> <p>Try-in abutments for straight NanoPost: Diameter: 4.2 mm Heights: 1 – 2 – 3 – 4 – 5 mm</p> <p>Try-in abutments for angled NanoPost: Diameter: 4.2 mm Angulations: 7.5 – 15° Heights: 1 – 2 – 3 – 4 – 5 mm</p> <p>Straight narrow conical try-in abutment: Diameter: 4 mm Heights: 1 – 2 – 3 – 4 – 5 mm</p> <p>Straight conical try-in abutment: Diameter: 4.9 mm Heights: 1 – 2 – 3 – 4 – 5 mm</p> <p>Angulated conical try-in abutment: Diameter: 4.9 mm Angulations: 17 – 30° Heights: 2 – 3 – 4 – 5 mm</p> <p>Locator® try-in abutment: Hauteurs : 1 – 2 – 3 – 4 – 5 – 6 mm</p> <p>Straight IsoPost try-in abutment: Hauteurs : 1.5 – 3 – 5 mm</p> <p>Angulated IsoPost try-in abutment: Angulations: 7.5 – 15 – 22° Heights: 1.5 – 3 – 5 mm</p>

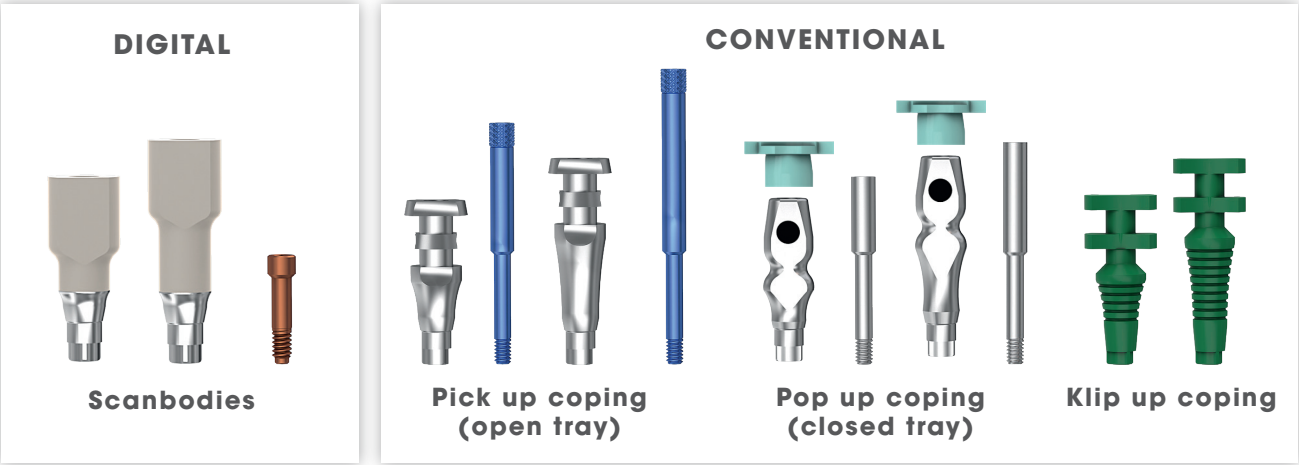
5

THE DIRECT IMPLANT IMPRESSION

There are two methods to take impressions of Bone Level KONTACT™ range of implants:

- digital
- conventional (Chemicophysical)

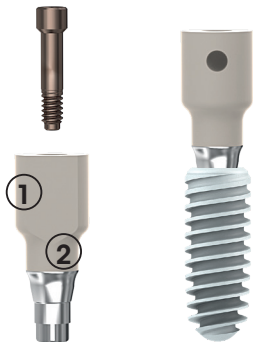
La prise d'empreinte numérique sur scanbody par scanner intra-oral et trois solutions de prise d'empreinte conventionnelle sont possibles sur les implants des gammes Kontakt™ Bone Level (technique ciel ouvert pick up et techniques ciel fermé pop up et klip up).



5.1. DIGITAL IMPRESSIONS WITH INTRAORAL SCANNER AND TI-BASES FOR CAD/CAM PROSTHESES


SCANBODIES FOR KONTACT™ IMPLANTS

PEEK/Titanium scanbodies allow impressions with an intraoral scanner (go page 42). Available in 2 lengths and compatible with all Bone Level Kontakt™ implants diameters.

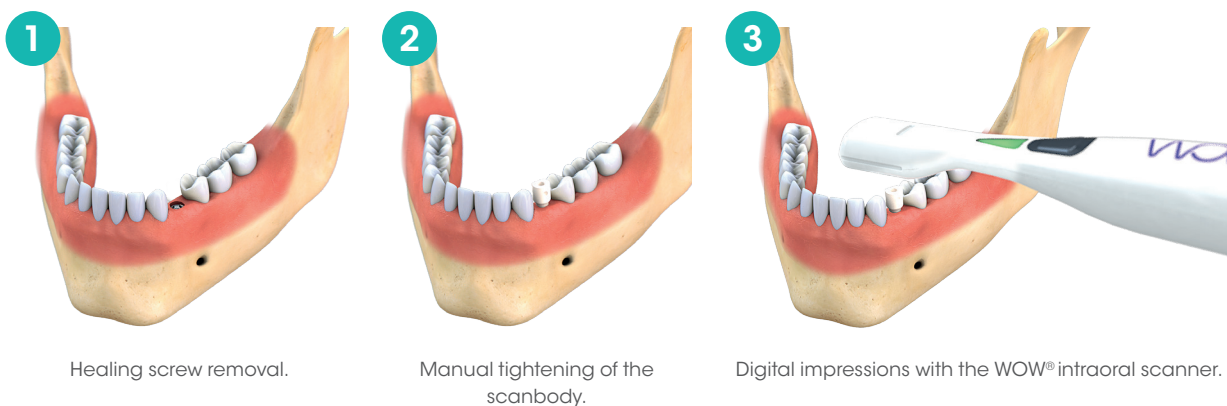


- ① Made of PEEK/Titanium with a marking to facilitate the identification of the scanbody
- ② High performance geometry and design thanks to cylinders and flat surfaces to wedge images in place



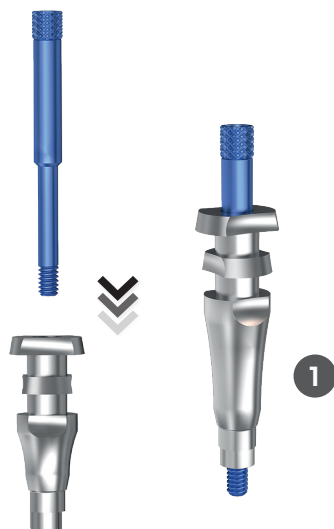
	References	Designations	Diameters
	KPSCANP	PEEK scanbody for implant + KVPL screw	All Ø except Ø 3.0 mm
	KPSCANPLG	Long PEEK scanbody for implant + KVPL screw	

PROTOCOL FOR DIGITAL IMPRESSIONS WITH INTRAORAL SCANNER



5.2. PICK UP CONVENTIONAL OPEN-TRAY IMPRESSION

For open tray and conventional pick up impression, there are two impression coping options:



Classic pick up coping Ref. KTPI.



- 1 Classic pick up coping adapting to all implants diameters as they have a common connection.
- 2 CICA anatomical pick up coping, are adapted to the gingival height and to the chosen healing screw diameter.



Cica anatomical pick up coping range Ref. KTPI40x.

CLASSIC PICK UP COPING








	References	Designations	Diameters	Lengths
	KTPi	Pick Up transfer + KVTPi screw	All Ø except Ø 3.0 mm	
	KTPiL	Long Pick Up transfer + KVTPiL screw		Long
	KVTPi	Pick Up transfer screw		
	KVTPiL	Long Pick Up transfer screw		Long

CICA ANATOMICAL PICK UP COPING

We recommend Cica anatomical copings to maintain gingival profile during impression because scientific studies have shown it can lose 31% of its volume in a minute*.

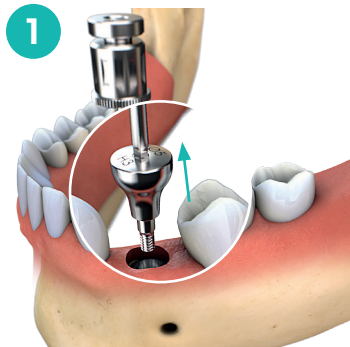


	References	Designations	Diameters	Lengths
	KTPi401	Pick-up impression coping Ø4.0 H1mm + KVTPi10 screw	Ø 4 mm	1 mm
	KTPi402	Pick-up impression coping Ø4.0 H2mm + KVTPi20 screw		2 mm
	KTPi403	Pick-up impression coping Ø4.0 H3mm + KVTPi30 screw		3 mm
	KTPi404	Pick-up impression coping Ø4.0 H4mm + KVTPi40 screw		4 mm
	KTPi405	Pick-up impression coping Ø4.0 H5mm + KVTPi50 screw		5 mm
	KTPi501	Pick-up impression coping Ø5.0 H1mm + KVTPi10 screw	Ø 5 mm	1 mm
	KTPi502	Pick-up impression coping Ø5.0 H2mm + KVTPi20 screw		2 mm
	KTPi503	Pick-up impression coping Ø5.0 H3mm + KVTPi30 screw		3 mm
	KTPi504	Pick-up impression coping Ø5.0 H4mm + KVTPi40 screw		4 mm
	KTPi505	Pick-up impression coping Ø5.0 H5mm + KVTPi50 screw		5 mm
	KTPi652	Pick-up impression coping Ø6.5 H2mm + KVTPi20 screw	Ø 6.5 mm	2 mm
	KTPi653	Pick-up impression coping Ø6.5 H3mm + KVTPi30 screw		3 mm
	KTPi654	Pick-up impression coping Ø6.5 H4mm + KVTPi40 screw		4 mm
	KTPi655	Pick-up impression coping Ø6.5 H5mm + KVTPi50 screw		5 mm
	KVTPi10	Pick-up impression coping screw		1 mm
	KVTPi20			2 mm
	KVTPi30			3 mm
	KVTPi40			4 mm
	KVTPi50			5 mm
	KTPiKV	Empty pick-up impression coping Cica kit		
	KTPiK	Pick-up impression coping Cica kit		

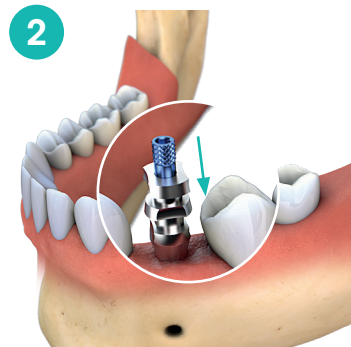
* The effect of mucosal cuff shrinkage around dental implants during healing abutment replacement J Nissan, E Zenziper, O Rosner, R Kolerman, L Chaushu, G Chaushu J Oral Rehabil . 2015 Oct;42(10):774-8. doi: 10.1111/joor.12315. Epub 2015 Jul 1.

PROTOCOL FOR PICK UP OPEN-TRAY CONVENTIONAL IMPRESSION

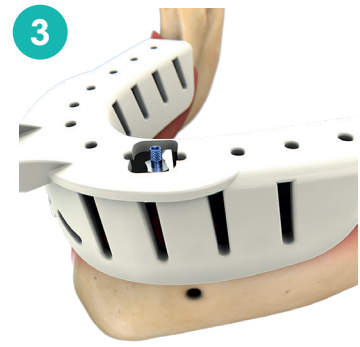
DENTIST'S OFFICE



Healing screw-removal



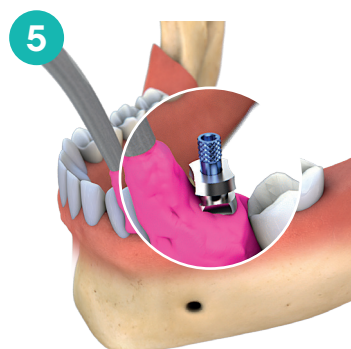
Pick up coping-placement.



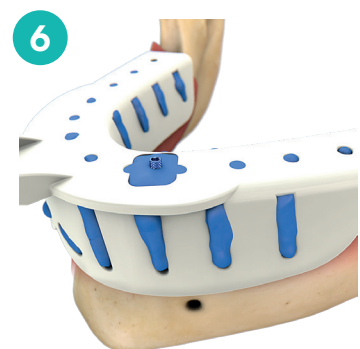
Fitting of the empty impression tray for the future coping.



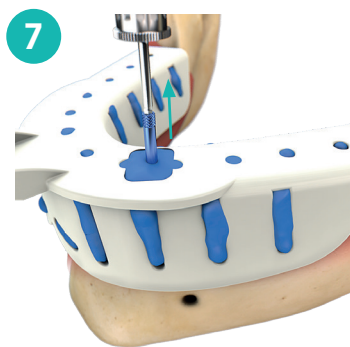
Impression tray filling with the appropriate material.



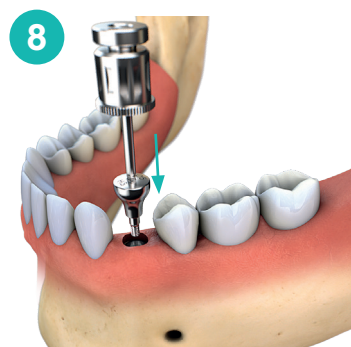
Injection of light silicone around the coping.



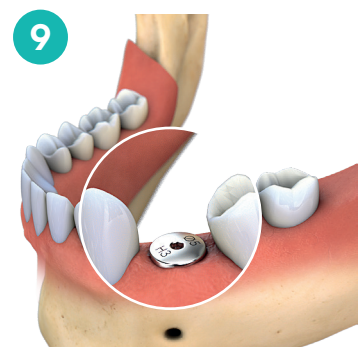
Take the impression, clear the head's screw coping.



Once material has hardened, unscrew the abutment screw and remove the impression tray.

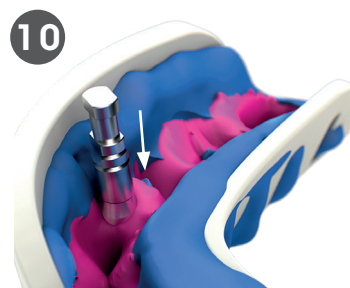


MANDATORY: immediately retighten of the healing screw.



Healing screw in place.

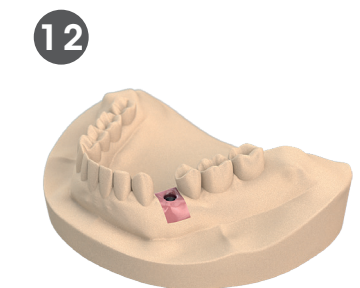
LABORATORY



Screwing the implant analog into the coping.



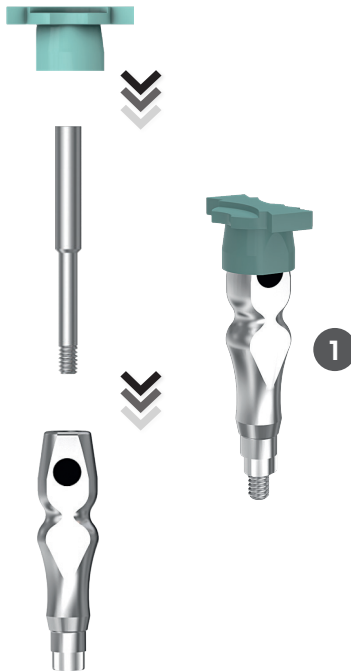
Production of false gum.



Production of the plaster model.

5.3. POP UP CONVENTIONAL CLOSED-TRAY IMPRESSION

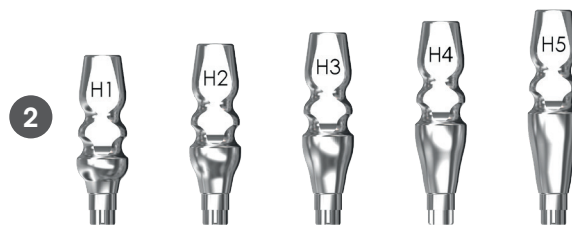
For open tray and conventional pop up impression, there are two impression coping options:



Classic pop up coping **Ref. KTPO**
with cap **Ref. KCAP** single use.




1 Classic pop up coping adapting to all implants diameters as they have a common connection.
Place a black marker in the palatine or the lingual vestibule to easily reposition the coping, and ensure that the cap parts are not interfering with adjacent teeth.

2 CICA anatomical pop up coping, are adapted to the gingival height and to the chosen healing screw diameter.



Cica anatomical pop up coping range **Ref. KTPOx**.

CLASSIC POP UP COPING

	References	Designations	Diameters	Lengths
		KTPO	Pop Up transfer + KVTPO screw + KCAP Plastic Cap	
		KTPOL	Long Pop Up transfer + KVTPOL screw + KCAP Plastic Cap	Long
		KCAP5	Plastic Cap for Pop-Up transfer (x5)	
		KVTPO	Pop Up transfer screw	Short
		KVTPOL	Long Pop Up transfer screw	Long

CICA ANATOMICAL POP UP COPING

We recommend Cica anatomical copings to maintain gingival profile during impression because scientific studies have shown it can lose 31% of its volume in a minute*.

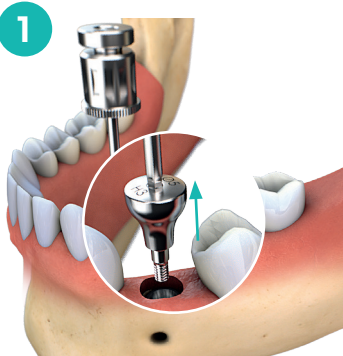


	Références	Désignations	Diamètres	Hauteurs
	KTPO401	Pop up impression coping Ø4.0 H1mm + KVTP010 screw + KCAP	Ø 4 mm	1 mm
	KTPO402	Pop-up impression coping Ø4.0 H2mm + KVTP020 screw + KCAP		2 mm
	KTPO403	Pop-up impression coping Ø4.0 H3mm + KVTP030 screw + KCAP		3 mm
	KTPO404	Pop-up impression coping Ø4.0 H4mm + KVTP040 screw + KCAP		4 mm
	KTPO405	Pop-up impression coping Ø4.0 H5mm + KVTP050 screw + KCAP		5 mm
	KTPO501	Pop-up impression coping Ø5.0 H1mm + KVTP010 screw + KCAP	Ø 5 mm	1 mm
	KTPO502	Pop-up impression coping Ø5.0 H2mm + KVTP020 screw + KCAP		2 mm
	KTPO503	Pop-up impression coping Ø5.0 H3mm + KVTP030 screw + KCAP		3 mm
	KTPO504	Pop-up impression coping Ø5.0 H4mm + KVTP040 screw + KCAP		4 mm
	KTPO505	Pop-up impression coping Ø5.0 H5mm + KVTP050 screw + KCAP		5 mm
	KTPO652	Pop-up impression coping Ø6.5 H2mm + KVTP020 screw + KCAP	Ø 6.5 mm	2 mm
	KTPO653	Pop-up impression coping Ø6.5 H3mm + KVTP030 screw + KCAP		3 mm
	KTPO654	Pop-up impression coping Ø6.5 H4mm + KVTP040 screw + KCAP		4 mm
	KTPO655	Pop-up impression coping Ø6.5 H5mm + KVTP050 screw + KCAP		5 mm
	KVTP010	Pop up impression coping screw		1 mm
	KVTP020			2 mm
	KVTP030			3 mm
	KVTP040			4 mm
	KVTP050			5 mm
	KTPOKV	Empty pop-up impression coping Cica kit		
	KTPOK	Pop-up impression coping Cica kit		

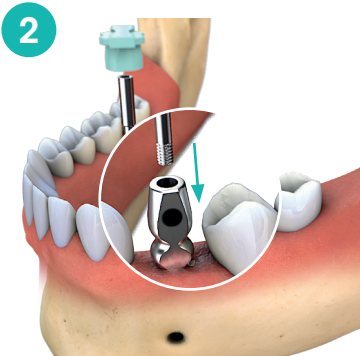
* The effect of mucosal cuff shrinkage around dental implants during healing abutment replacement J Nissan, E Zenziper, O Rosner, R Kolerman, L Chaushu, G Chaushu J Oral Rehabil . 2015 Oct;42(10):774-8. doi: 10.1111/joor.12315. Epub 2015 Jul 1.

PROTOCOL FOR POP UP CONVENTIONAL CLOSED-TRAY IMPRESSION

DENTIST'S OFFICE



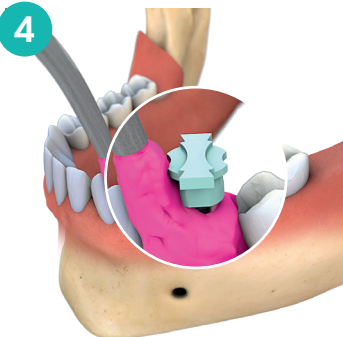
Healing screw removal.



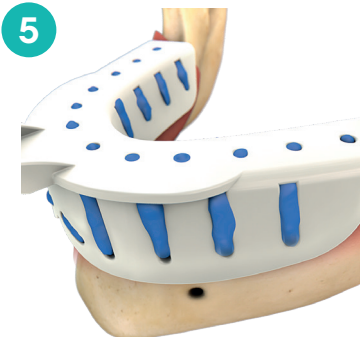
Pop up coping placement.



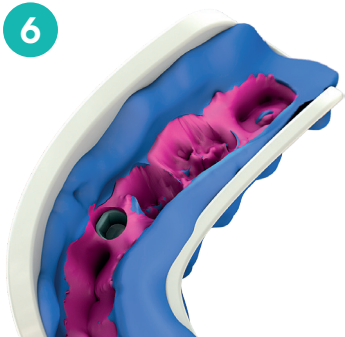
Impression tray filling with the appropriate material.



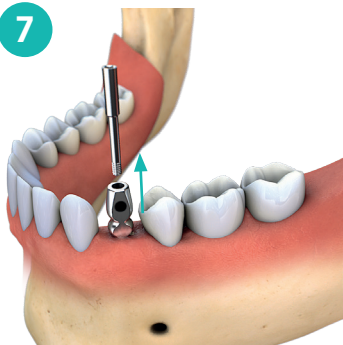
Injection of light silicone around the coping.



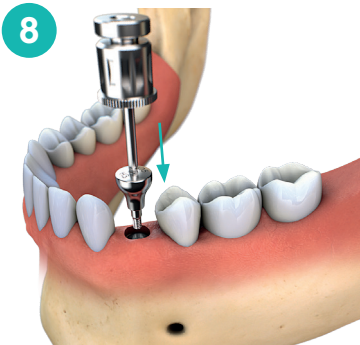
Take the impression.



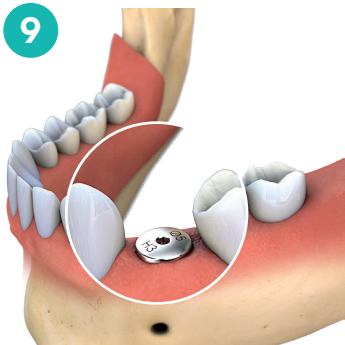
Impression tray removal with pop up coping cap.



Unscrewing the pop up coping.



MANDATORY: immediately retighten the healing screw.



Healing screw in place.

LABORATORY



Screw the pop up coping on the implant analog and reposition.



Production of false gum.





Production of the plaster model.

5.4. KLIP UP CONVENTIONAL CLOSED-TRAY IMPRESSION

Closed tray impressions for klip up copings are available for all Bone Level KONTACT™ diameters. They have a classic profile made of green-colored plastic and can easily make an impression of the implant.

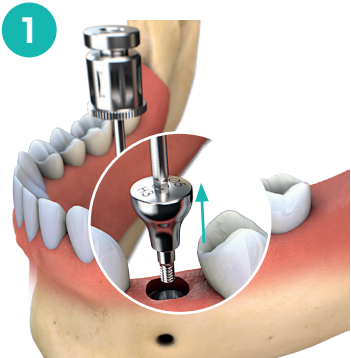
These copings are for single-use.

KLIP UP COPING

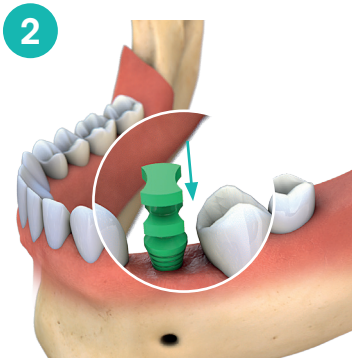
	References	Designations	Diameters	Lengths
	KTU	Short Klip Up plastic transfer	All Ø except Ø 3 mm	Short
	KTUL	Long Klip Up plastic transfer		Long

PROTOCOL FOR KLIP UP CONVENTIONAL CLOSED-TRAY IMPRESSION

DENTIST'S OFFICE



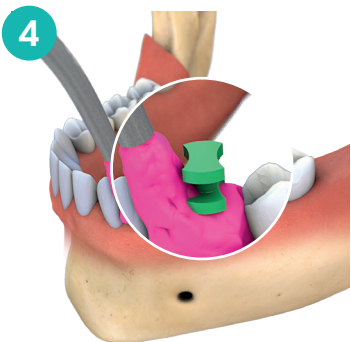
Healing screw removal.



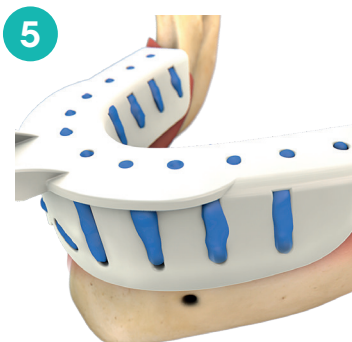
Klip up coping placement.



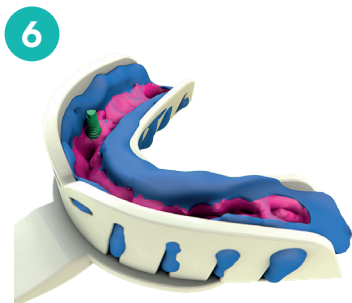
Impression tray filling with the appropriate material.



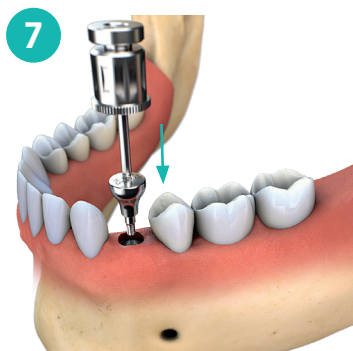
Injection of light silicone around the coping.



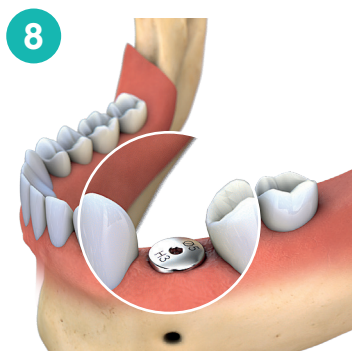
Take the impression.



Impression tray removal with klip up coping.

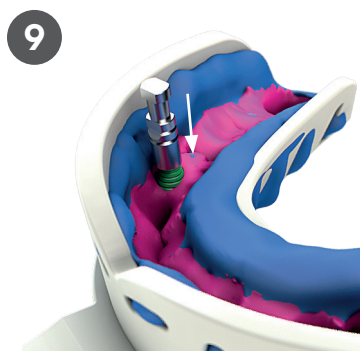


MANDATORY: immediately retighten the healing screw.



Healing screw in place.

LABORATORY

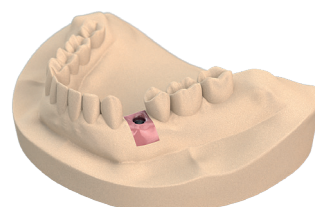


Clipping the implant analog on the coping.





Production of false gum.

11



Production of the plaster model.

5.5. IMPLANT ANALOG

	References	Designations	Diameters
	KDI	Implant analog	All Ø except 3 mm
	34_613_165_01-2G	Digital analog with screw Comp.0165 (for Kontakt™ implants)	

6

TEMPORARY PROSTHETICS

TEMPORARY ABUTMENTS

A temporary abutment is used to make the temporary crown in the laboratory or the dentist's office, and to place it on the implant. They are available for all Kontakt™ Bone Level diameters.

Made of titanium with the following features:

- Straight, single diameter 4.5mm,
- 5 heights available: 1 – 2 – 3 – 4 – 5mm,
- Delivered with their abutment screw **Ref. KVP.**



References	Designation	Diameter	Heights
KPP451	Straight temporary abutment Ø4.5mm + KVP screw	Ø 4.5 mm	1 mm
KPP452			2 mm
KPP453			3 mm
KPP454			4 mm
KPP455			5 mm

7

CEMENTABLE PROSTHETICS

7.1. STANDARD ABUTMENTS

Standard abutments dedicated to a cementable prostheses can be milled (modified) in the laboratory (only the coronary part).

Made of titanium with the following features:

- A large range of heights, diameters and angulations are available,
- Delivered with their final abutment screw **Ref. KVP**,
- Laboratory screw **Ref. KVPL** free on request (for laboratory use only).

The shape of a standard abutment is selected according to each case using the following criteria:

- Emergence profile of the healing screw,
- Height of the tooth to be replaced,
- Implant angulation in relation to the prosthetics axis.

This selection can be facilitated by using try-in abutments (go page 115).

INDEXED AND NON-SCALLOPED STRAIGHT STANDARD ABUTMENTS

Indexed and non-scalloped straight standard abutments are available for all Bone Level Kontakt™ diameters.

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When the tissue is flat (no papilla).

		References	Designations	Diameters	Heights
		KPST401	Non scalloped straight standard abutment Ø 4.0 mm + screw KVP	Ø 4 mm	1 mm
		KPST402			2 mm
		KPST403			3 mm
		KPST404			4 mm
		KPST405			5 mm
		KPST501	Non scalloped straight standard abutment Ø 5.0 mm + screw KVP	Ø 5 mm	1 mm
		KPST502			2 mm
		KPST503			3 mm
		KPST504			4 mm
		KPST505			5 mm
		KPST652	Non scalloped straight standard abutment Ø 6.5 mm + screw KVP	Ø 6.5 mm	2 mm
		KPST653			3 mm
		KPST654			4 mm
		KPST655			5 mm

INDEXED AND SCALLOPED STRAIGHT STANDARD ABUTMENTS

Indexed and scalloped straight standard abutments are available for all Bone Level Kontakt™ diameters.

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When a scalloped abutment can improve aesthetics.



	References	Designations	Diameters	Heights
	KP401	Straight abutment Ø4.0mm + KVP screw	Ø 4 mm	1 mm
	KP402			2 mm
	KP403			3 mm
	KP404			4 mm
	KP405			5 mm
	KP501	Straight abutment Ø5.0mm + KVP screw	Ø 5 mm	1 mm
	KP502			2 mm
	KP503			3 mm
	KP504			4 mm
	KP505			5 mm
	KP652	Straight abutment Ø6.5mm + KVP screw	Ø 6.5 mm	2 mm
	KP653			3 mm
	KP654			4 mm
	KP655			5 mm

NON-INDEXED AND SCALLOPED STRAIGHT STANDARD ABUTMENTS

Non-indexed and scalloped straight standard abutments are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When a scalloped abutment can improve aesthetics.

INSTRUCTION: in all cases, the lab **WILL HAVE TO** select a repositioning key.



	References	Designations	Diameters	Heights
	KP401NI	Straight non indexed abutment Ø4.0mm + KVP screw	Ø 4 mm	1 mm
	KP402NI			2 mm
	KP403NI			3 mm
	KP404NI			4 mm
	KP405NI			5 mm
	KP501NI	Straight non indexed abutment Ø5.0mm + KVP screw	Ø 5 mm	1 mm
	KP502NI			2 mm
	KP503NI			3 mm
	KP504NI			4 mm
	KP505NI			5 mm
	KP652NI	Straight non indexed abutment Ø6.5mm + KVP screw	Ø 6.5 mm	2 mm
	KP653NI			3 mm
	KP654NI			4 mm
	KP655NI			5 mm

INDEXED AND NON-SCALLOPED ANGULATED STANDARD ABUTMENTS

Indexed and non-scalloped angulated standard abutments are available for all Bone Level Kontakt™ diameters.

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When the tissue is flat (no papilla).



	References	Designations	Diameters	Angulation	Heights
	KPSTA75401	Non scalloped angulated 7.5° standard abutment Ø4.0mm + screw KVP	Ø 4 mm	7.5°	1 mm
	KPSTA75402				2 mm
	KPSTA75403				3 mm
	KPSTA75404				4 mm
	KPSTA75405				5 mm
	KPSTA75501	Non scalloped angulated 7.5° standard abutment Ø5.0mm + screw KVP	Ø 5 mm	7.5°	1 mm
	KPSTA75502				2 mm
	KPSTA75503				3 mm
	KPSTA75504				4 mm
	KPSTA75505				5 mm
	KPSTA75652	Non scalloped angulated 7.5° standard abutment Ø6.5mm + screw KVP	Ø 6.5 mm	7.5°	2 mm
	KPSTA75653				3 mm
	KPSTA75654				4 mm
	KPSTA75655				5 mm

INDEXED AND NON-SCALLOPED ANGULATED STANDARD ABUTMENTS



	References	Designations	Diameters	Angulations	Heights
	KPSTA150401	Non scalloped angulated 15° standard abutment Ø4.0mm + screw KVP	Ø 4 mm	15°	1 mm
	KPSTA150402				2 mm
	KPSTA150403				3 mm
	KPSTA150404				4 mm
	KPSTA150405				5 mm
	KPSTA150501	Non scalloped angulated 15° standard abutment Ø 5.0 mm + screw KVP	Ø 5 mm	15°	1 mm
	KPSTA150502				2 mm
	KPSTA150503				3 mm
	KPSTA150504				4 mm
	KPSTA150505				5 mm
	KPSTA150652	Non scalloped angulated 15° standard abutment Ø6.5mm + screw KVP	Ø 6.5 mm	15°	2 mm
	KPSTA150653				3 mm
	KPSTA150654				4 mm
	KPSTA150655				5 mm
	KPSTA220401	Non scalloped angulated 22° standard abutment Ø4.0mm + screw KVP	Ø 4 mm	22°	1 mm
	KPSTA220402				2 mm
	KPSTA220403				3 mm
	KPSTA220404				4 mm
	KPSTA220405				5 mm
	KPSTA220501	Non scalloped angulated 22° standard abutment Ø5.0mm + screw KVP	Ø 5 mm	22°	1 mm
	KPSTA220502				2 mm
	KPSTA220503				3 mm
	KPSTA220504				4 mm
	KPSTA220505				5 mm
	KPSTA220652	Non scalloped angulated 22° standard abutment Ø6.5mm + screw KVP	Ø 6.5 mm	22°	2 mm
	KPSTA220653				3 mm
	KPSTA220654				4 mm
	KPSTA220655				5 mm

INDEXED AND SCALLOPED ANGULATED STANDARD ABUTMENTS

Indexed and scalloped angulated standard abutments are available for all Bone Level Kontakt™ diameters.

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When a scalloped abutment can improve aesthetics.



	References	Designations	Diameters	Angulations	Heights
	KPA75401	Angulated abutment 7.5° Ø4.0mm + KVP screw	Ø 4 mm	7.5°	1 mm
	KPA75402				2 mm
	KPA75403				3 mm
	KPA75404				4 mm
	KPA75405				5 mm
	KPA75501	Angulated abutment 7.5° Ø5.0mm + KVP screw	Ø 5 mm	7.5°	1 mm
	KPA75502				2 mm
	KPA75503				3 mm
	KPA75504				4 mm
	KPA75505				5 mm
	KPA75652	Angulated abutment 7.5° Ø6.5mm + KVP screw	Ø 6.5 mm	7.5°	2 mm
	KPA75653				3 mm
	KPA75654				4 mm
	KPA75655				5 mm
	KPA150401	Angulated abutment 15° Ø4.0mm + KVP screw	Ø 4 mm	15°	1 mm
	KPA150402				2 mm
	KPA150403				3 mm
	KPA150404				4 mm
	KPA150405				5 mm
	KPA150501	Angulated abutment 15° Ø5.0mm + KVP screw	Ø 5 mm	15°	1 mm
	KPA150502				2 mm
	KPA150503				3 mm
	KPA150504				4 mm
	KPA150505				5 mm
	KPA150652	Angulated abutment 15° Ø6.5mm + KVP screw	Ø 6.5 mm	15°	2 mm
	KPA150653				3 mm
	KPA150654				4 mm
	KPA150655				5 mm

INDEXED AND SCALLOPED ANGULATED STANDARD ABUTMENTS



	References	Designations	Diameters	Angulation	Heights
	KPA220401	Angulated abutment 22° Ø4.0mm + KVP screw	Ø 4 mm	22°	1 mm
	KPA220402				2 mm
	KPA220403				3 mm
	KPA220404				4 mm
	KPA220405				5 mm
	KPA220501	Angulated abutment 22° Ø5.0mm + KVP screw	Ø 5 mm	22°	1 mm
	KPA220502				2 mm
	KPA220503				3 mm
	KPA220504				4 mm
	KPA220505				5 mm
	KPA220652	Angulated abutment 22° Ø6.5mm + KVP screw	Ø 6.5 mm	22°	2 mm
	KPA220653				3 mm
	KPA220654				4 mm
	KPA220655				5 mm

NON-INDEXED AND SCALLOPED ANGULATED STANDARD ABUTMENTS

Non-indexed and scalloped straight standard abutments are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Recommended in the following cases:

- Single or multiple cementable restorations without correcting the axis,
- When a scalloped abutment can improve aesthetics.

INSTRUCTION: in all cases, the lab **WILL HAVE TO** uselect a repositioning key.



	References	Designations	Diameters	Angulations	Heights
	KPA75401NI	Angulated non indexed abutment 7.5° Ø4.0mm + KVP screw	Ø 4 mm	7.5°	1 mm
	KPA75402NI				2 mm
	KPA75403NI				3 mm
	KPA75404NI				4 mm
	KPA75405NI				5 mm
	KPA75501NI	Angulated non indexed abutment 7.5° Ø5.0mm +KVP screw	Ø 5 mm	7.5°	1 mm
	KPA75502NI				2 mm
	KPA75503NI				3 mm
	KPA75504NI				4 mm
	KPA75505NI				5 mm
	KPA75652NI	Angulated non indexed abutment 7.5° Ø6.5mm +KVP screw	Ø 6.5 mm	7.5°	2 mm
	KPA75653NI				3 mm
	KPA75654NI				4 mm
	KPA75655NI				5 mm
	KPA150401NI	Angulated non indexed abutment 15° Ø4.0mm + KVP screw	Ø 4 mm	15°	1 mm
	KPA150402NI				2 mm
	KPA150403NI				3 mm
	KPA150404NI				4 mm
	KPA150405NI				5 mm
	KPA150501NI	Angulated non indexed abutment 15° Ø5.0mm + KVP screw	Ø 5 mm	15°	1 mm
	KPA150502NI				2 mm
	KPA150503NI				3 mm
	KPA150504NI				4 mm
	KPA150505NI				5 mm
	KPA150652NI	Angulated non indexed abutment 15° Ø6.5mm + KVP screw	Ø 6.5 mm	15°	2 mm
	KPA150653NI				3 mm
	KPA150654NI				4 mm
	KPA150655NI				5 mm

NON-INDEXED AND SCALLOPED ANGULATED STANDARD ABUTMENTS



	References	Designations	Diameters	Angulation	Heights
	KPA220401NI	Angulated non indexed abutment 22° Ø4.0mm + KVP screw	Ø 4 mm	22°	1 mm
	KPA220402NI				2 mm
	KPA220403NI				3 mm
	KPA220404NI				4 mm
	KPA220405NI				5 mm
	KPA220501NI	Angulated non indexed abutment 22° Ø5.0mm + KVP screw	Ø 5 mm	22°	1 mm
	KPA220502NI				2 mm
	KPA220503NI				3 mm
	KPA220504NI				4 mm
	KPA220505NI				5 mm
	KPA220652NI	Angulated non indexed abutment 22° Ø6.5mm + KVP screw	Ø 6.5 mm	22°	2 mm
	KPA220653NI				3 mm
	KPA220654NI				4 mm
	KPA220655NI				5 mm

7.2. NANOPOST ABUTMENTS

NanoPost short abutments intended for cementable prostheses are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Made of titanium with the following features:

- Two diameters available: 4.2mm – 5.5mm for straight abutments,
- Available straight: 7.5° – 15° for 4.2mm diameter,
- 5 available heights: 1 – 2 – 3 – 4 – 5mm,
- Delivered with their final abutment screw **Ref. KVP**.

Recommended for simple cases where the abutment morphology will suit the prosthetics morphology of the implanted site.












INSTRUCTION: impression **MUST** be taken on non-modified abutments with transfer cap for NanoPost.

The lab will not be able to modify the abutment or its analog in a laboratory.



	References	Designations	Diameters	Angulations	Heights
	KPC421	NanoPost straight short abutment Ø4.2mm + KVP screw	Ø 4.2 mm	0°	1 mm
	KPC422				2 mm
	KPC423				3 mm
	KPC424				4 mm
	KPC425				5 mm
	KPC551	NanoPost straight short abutment Ø5.5mm + KVP screw	Ø 5.5 mm	0°	1 mm
	KPC552				2 mm
	KPC553				3 mm
	KPC554				4 mm
	KPC555				5 mm
	KPCA75421	NanoPost Angulated short abutment 7.5° Ø4.2mm + KVP screw	Ø 4.2 mm	7.5°	1 mm
	KPCA75422				2 mm
	KPCA75423				3 mm
	KPCA75424				4 mm
	KPCA75425				5 mm
	KPCA150421	NanoPost Angulated short abutment 15° Ø4.2mm + KVP screw	Ø 4.2 mm	15°	1 mm
	KPCA150422				2 mm
	KPCA150423				3 mm
	KPCA150424				4 mm
	KPCA150425				5 mm

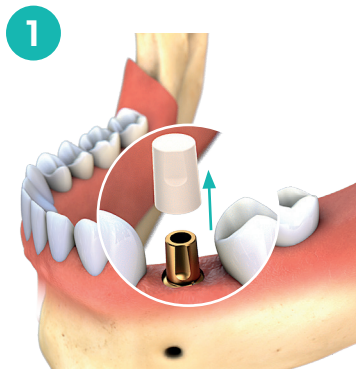
COMPONENTS FOR NANOPOST ABUTMENTS

	References	Designations	Diameters
	KCPC42	Non indexed castable cap for NanoPost Ø4.2mm	Ø 4.2 mm
	KCPC42I	Indexed castable cap for NanoPost Ø4.2mm	Ø 4.2 mm
	KCPC55	Non indexed castable head for short abutment NanoPost Ø5.5mm	Ø 5.5 mm
	KCPC55I	Indexed castable cap NanoPost Ø5.5mm	Ø 5.5 mm
	KCCPPC42	Indexed NanoPost PMMA healing cap Ø4.2mm	Ø 4.2 mm
	KCCPPC55	Indexed NanoPost PMMA healing cap Ø5.5mm	Ø 5.5 mm
	KTPC42	Transfer cap for NanoPost abutment Ø4.2mm	Ø 4.2 mm
	KTPC55	Transfer cap for NanoPost abutment Ø5.5mm	Ø 5.5 mm
	KDPC42	Analog for short NanoPost abutment	Ø 4.2 mm
	KDPC55		Ø 5.5 mm
	KDPCA42	Analog for angulated NanoPost abutment	Ø 4.2 mm

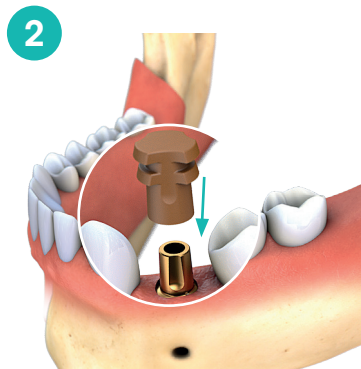
NANOPOST PROTOCOL

Closed-tray impression technique

DENTIST'S OFFICE



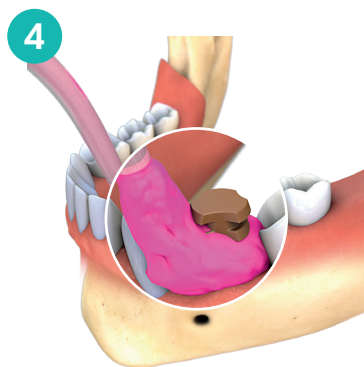
Remove the healing cap from the NanoPost abutment.



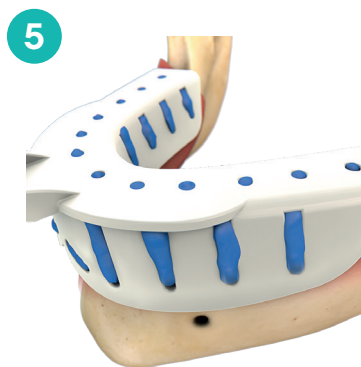
Transfer cap clipping on the NanoPost abutment.



Impression tray filling with the appropriate material.



Injection of light silicone around the transfer cap.

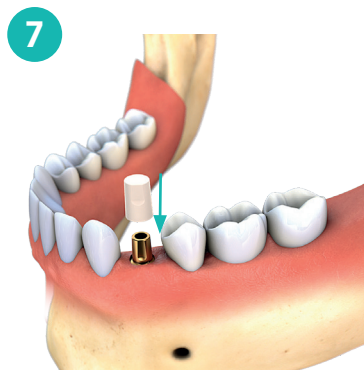


Closed-tray impression

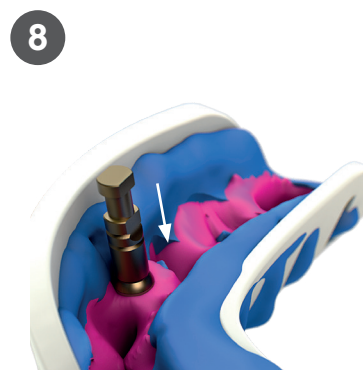


Impression quality control further to impression tray removal.

LABORATORY



MANDATORY: immediate clipping of the healing cap for NanoPost abutments.

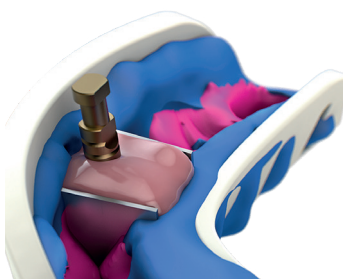


Positioning the NanoPost abutment analog in the transfer cap.

Working model manufacturing and crown conception

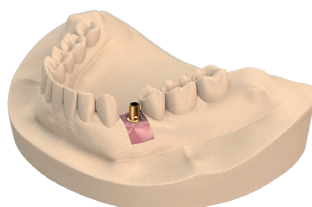
LABORATORY

9



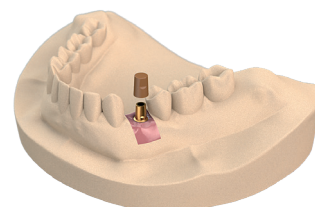
Production of false gum.

10



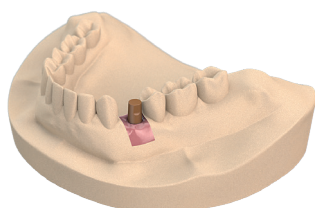
Production of the plaster model.

11



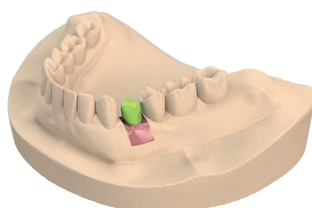
Placing the indexed castable cap / single cases (or non-indexed / multiple cases)

12



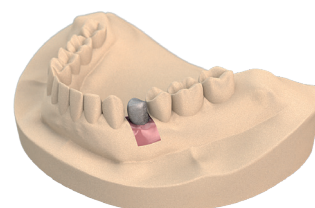
Castable cap in place.

13



Sculpting wax on the cap.

14

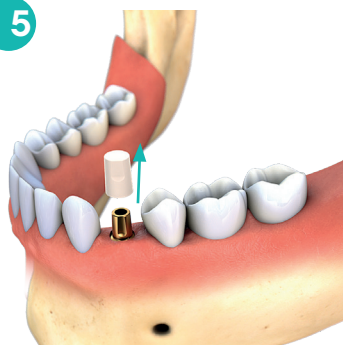


After setting the pattern of appliance, the space is filled with molten metal. Prepare the armature before placing the ceramic.

Crown placement

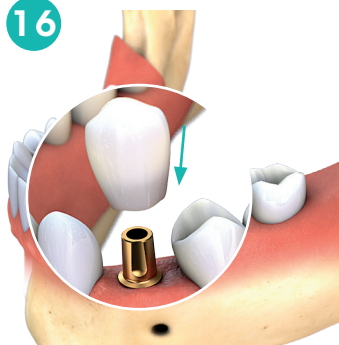
DENTIST'S OFFICE

15



Remove the healing cap for NanoPost abutments.

16



Final prostheses placement, fixing with cement.

17



Final prostheses in place and occlusion adjustment.

7.3. FITPOST ABUTMENTS

FitPost abutments are designed for cementable prostheses and are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Made of titanium with the following features:

- Straight, two diameters available: 5.5mm – 6.5mm
- Straight, 5 available heights: 1 – 2 – 3 – 4 – 5mm
- Angulated to 30°, Ø 5mm, 5 available heights: 1 – 2 – 3 – 4 – 5mm
- Delivered with their final abutment screw **ref. KVP**.

Recommended for simple or multiple cementable restorations after milling and parallelization.

Recommendation for the laboratory: parallel milling technique is essential for an optimum result.



	References	Designations	Diameters	Heights
	KPU501	Straight machinable abutment Fit-Post Ø5.0mm + KVP screw	Ø 5 mm	1 mm
	KPU502			2 mm
	KPU503			3 mm
	KPU504			4 mm
	KPU505			5 mm
	KPU652	Straight machinable abutment Fit-Post Ø6.5mm + KVP screw	Ø 6.5 mm	2 mm
	KPU653			3 mm
	KPU654			4 mm
	KPU655			5 mm
	KPU501+	Angulated machinable abutment Fit-Post Ø5.0mm + KVP screw	Ø 5 mm	1 mm
	KPU502+			2 mm
	KPU503+			3 mm
	KPU504+			4 mm
	KPU505+			5 mm

7.4. ABUTMENT SCREW

	References	Designations	Diameters
	KVP	Abutment screw	All Ø except Ø 3 mm
	KVPL	Abutment laboratory screw	
	KVPL-5	Abutment laboratory screw (x5)	

8

CAD/CAM PROSTHESIS


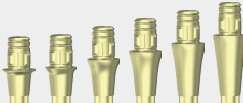
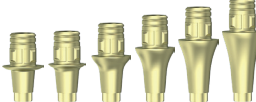
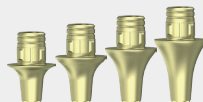

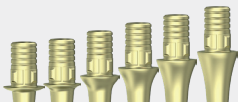

TI-BASES FOR STANDARD IMPLANTS

Ti-bases are intended to the CAD/CAM prosthesis.

They are made of titanium anodised in a gold color so the lab does not have grey ceramic because of the metal while bonding. Also to get warm colors with the following features:

- **2 chimney heights 4 or 5.5 mm,**
- Available in 3 diameters: 4 – 5 – 6.5 mm,
- Available in 6 gingival heights 0.7 – 1 – 2 – 3 – 4 – 5 mm,
- Delivered with their final abutment screw **Ref. KVP.**



	References	Designations	Diameters	Chimney height	Gingival heights
	KPCADCAM4007	Ti-Base base Ø4.0mm + KVP screw	Ø 4 mm	4 mm	0.7 mm
	KPCADCAM4010				1 mm
	KPCADCAM4020				2 mm
	KPCADCAM4030				3 mm
	KPCADCAM4040				4 mm
	KPCADCAM4050				5 mm
	KPCADCAM5007	Ti-Base base Ø5.0mm + KVP screw	Ø 5 mm		0.7 mm
	KPCADCAM5010				1 mm
	KPCADCAM5020				2 mm
	KPCADCAM5030				3 mm
	KPCADCAM5040				4 mm
	KPCADCAM5050				5 mm
	KPCADCAM6520	Ti-Base base Ø6.5mm + KVP screw	Ø 6.5 mm		2 mm
	KPCADCAM6530				3 mm
	KPCADCAM6540				4 mm
	KPCADCAM6550				5 mm
	KPCADCAM4007-L	High Ti-Base base Ø4.0mm + KVP screw	Ø 4 mm	5.5 mm	0.7 mm
	KPCADCAM4010-L				1 mm
	KPCADCAM4020-L				2 mm
	KPCADCAM4030-L				3 mm
	KPCADCAM4040-L				4 mm
	KPCADCAM4050-L				5 mm
	KPCADCAM5007-L	High Ti-Base base Ø5.0mm + KVP screw	Ø 5 mm		0.7 mm
	KPCADCAM5010-L				1 mm
	KPCADCAM5020-L				2 mm
	KPCADCAM5030-L				3 mm
	KPCADCAM5040-L				4 mm
	KPCADCAM5050-L				5 mm
	KPCADCAM6520-L	High Ti-Base base Ø6.5mm + KVP screw	Ø 6.5 mm		2 mm
	KPCADCAM6530-L				3 mm
	KPCADCAM6540-L				4 mm
	KPCADCAM6550-L				5 mm

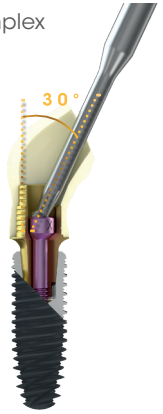
TI-BASES WITH ANGULATED SCREWING AND DIGITAL ANALOGS
















Ti-Bases with angulated screw channels allow you to benefit from screw-retained prosthesis advantages, even in complex cases and in the anterior region.

Thanks to the angulated access channels, the screw channels can be tilted up to 30° in relation to the implant axis.





Compatible with all Bone Level Kontakt™ implants diameters **except the 3mm diameter**.

- Double height with a side cut-out that allows screw and driver insertion.
- Anti-rotational flat surface to avoid any risk of the bonded crown rotating.
- Perfect fit of the prosthetic part with the implant thanks to the STSystem® connection.
- Screw access from 0° to 30°.
- External grooves ensuring good cement adhesion.
- Ti-Bases in grade V (TA6V ELI) titanium anodised in a gold color to improve aesthetics.



20 Ncm	References	Designations	Descriptions	Ø mm	Ht. mm
	31_322_231_01-2G	Non-engaging Dynamic Ti-Base G0.3 Comp.0231	Ti-Base à vissage angulé avec sa vis pour pilier conique Ø 4 mm	4	4.3
	31_323_232_01-2G	Non-engaging Dynamic Ti-Base G0.3 Comp.0232	Ti-Base à vissage angulé avec sa vis pour pilier conique Ø 4,9 mm	4.9	5.7
	31_310_165_02-2G	Engaging Dynamic Ti-Base XNP G1 Comp.0165	Ti-Base à vissage angulé pour implants Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ Ø 4 mm, hauteur 1 mm	4	1
	31_310_165_03-2G	Engaging Dynamic Ti-Base XNP G2 Comp.0165	Ti-Base à vissage angulé pour implants Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ Ø4mm, hauteur 2 mm	4	2
	31_310_165_04-2G	Engaging Dynamic Ti-Base XNP G3 Comp.0165	Ti-Base à vissage angulé pour implants Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ Ø4 mm, hauteur 3 mm	4	3
	31_313_165_02-2G	Engaging Dynamic Ti-Base G1 Comp.0165	Ti-Base à vissage angulé pour implants Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ Ø 5 mm, hauteur 1 mm	5	1
	31_313_165_03-2G	Engaging Dynamic Ti-Base G2 Comp.0165	Ti-Base à vissage angulé pour implants Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ Ø 5 mm, hauteur 2 mm	5	2
	31_313_165_04-2G	Engaging Dynamic Ti-Base G3 Comp.0165	Ti-Base à vissage angulé pour implants Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ Ø 5 mm, hauteur 3 mm	5	3
	41_316_044_32-2G	Dynamic Screw A2 M1.6 L4.4mm 20N.cm	Vis pour serrage angulé sur piliers coniques de Ø 4 mm		
	41_314_039_32-2G	Dynamic Screw A2 M1.4 L3.9mm 20N.cm	Vis pour serrage angulé sur piliers coniques de Ø 4,9 mm		
	41_314_076_32-2G	Dynamic Screw A2 M1.4 L7.6mm 20N.cm	Vis pour serrage angulé sur piliers coniques étroits Ø 4 mm		
	34_610_164_01-2G	Digital analog with screw Comp.0164	Analogue numérique Kontakt™ Ø 3 mm avec vis de stabilisation		
	34_613_165_01-2G	Digital analog with screw Comp.0165	Analogue numérique Kontakt™, Kontakt™ S, Kontakt™ N, Kontakt™ S+ avec vis de stabilisation		
	34_612_231_01-2G	Digital analog with screw Comp.0231	Analogue numérique avec vis de stabilisation pour pilier conique Ø 4 mm		
	34_613_232_01-2G	Digital analog with screw Comp.0232	Analogue numérique avec vis de stabilisation pour pilier conique Ø 4,9 mm		

TOOLS DEDICATED TO ANGULATED SCREWING

	References	Designations
	43_618_201_01-2G	Dynamic screwdriver. L18mm. Up to 30°
	43_624_201_01-2G	Dynamic screwdriver. L24mm. Up to 30°
	43_632_201_01-2G	Dynamic screwdriver. L32mm. Up to 30°
	534-1000235	Adapter for contra-angle

9

SCREW-RETAINED PROSTHETICS

9.1. NARROW CONICAL MUA ABUTMENTS

4mm narrow conical MUA abutments indicated for screwed prostheses are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**. Made of titanium with the following features:

- Straight, 5 available heights: 1 – 2 – 3 – 4 – 5mm
- Available in 2 angulated parts, **a single 4mm height**: 17 – 30°

Recommended for multiple or complete restorations.

INSTRUCTION: impression MUST be taken on narrow conical MUA abutments already screwed (**20 Ncm**) in the mouth. An impression directly on the implant would imply a different depth between the prostheses manual threading and the permanent tightening with the torque wrench key. Result would be a wrong adaptation of the prostheses, lack of passivity leading to a mechanical issue and a risk of bacterial infiltration.

ASSEMBLY PROTOCOL FOR NARROW CONICAL MUA ABUTMENTS

- 1 Affix to the angulated base and the **Ref. KVP** screw (**20 Ncm**), with the **Ref. 1032** driver.
- 2 Blue cap threading with the driver dedicated to the blue-head narrow conical MUA abutment **Ref. KTP09S / KTP09 / KTP09L** (**20 Ncm**).






	References	Designations	Angulations	Diameter	Heights
	KECE1	Straight narrow conical abutment		4 mm	1 mm
	KECE2				2 mm
	KECE3				3 mm
	KECE4				4 mm
	KECE5				5 mm
	KEAE174	Angulated narrow conical abutment H4mm + KVP screw	17°		4 mm
	KEAE304		30°		

TOOLS DEDICATED TO NARROW CONICAL MUA ABUTMENTS

	References	Designations	Lengths
	KTP09S	Narrow prosthesis screwdriver	8 mm
	KTP09*		12 mm
	KTP09L		18 mm
	KTP09CAS	Narrow hexagonal screwdriver for contra-angle	20 mm
	KTP09CA		24.5 mm
	KTP09CAL		30 mm


*included in the prostheses kit **Ref. KPK**.

COMPONENTS FOR DIGITAL IMPRESSION* ON Ø 4MM NARROW CONICAL MUA ABUTMENTS




















	References	Designations	Diameter
	 KECEEAVGCNV	Screw for castable sleeve for narrow conical abutment	
	 KECESCANP	PEEK scanbody for Narrow conical abutment	Ø 4 mm

*PEEK scanbodies for narrow conical MUA abutment can take digital impression with intraoral scanner or can be scanned on a working model further to a conventional impression with a laboratory scanner.



COMPONENTS FOR CAD/CAM PROSTHESIS

	References	Designations	Diameter	Chimney heights
	 KECEADCAM	Ti-base for narrow conical abutment + KECEEAVGCNV screw	Ø 4 mm	6.2 mm
	 KECEADCAM2			3.2 mm

COMPONENTS FOR SCREW-RETAINED PROTHESES ON Ø 4MM NARROW CONICAL MUA ABUTMENTS




	References	Designations	Heights	Lengths
	 KECEEATPU	Pick Up transfer narrow conical abutment +screw KECEEAVTPU/KECEEAVTPUL		
	 KECEEAVTPU	Screw for Pick Up transfer for narrow conical abutment		Short
	 KECEEAVTPUL	Long screw for Pick Up transfer for narrow conical abutment		Long
	 KECEEATPO	Pop Up transfer for narrow conical abutment		
	 KECEEAAP	Analog for narrow conical abutment		
	 KECEPP	Temporary tubing for narrow conical abutment + screw KECEEAVGC		
	 KECEGM	Mixed sleeve for narrow conical abutment + KECEEAVGC screw		
	 KECEGM-1	Sleeve for narrow conical abutment + KECEEAVGC screw		
	 KECEEAVGC	Screw for burnable tube for narrow conical abutment		
	 KECEEAGC	Burnable tube for narrow conical abutment + KECEEAVGC screw		
	 KECEGCC	Cobalt chrome sleeve for narrow conical abutment + KECEEAVGC screw		
	 KECEEAGP	Protection template for narrow conical abutment		
	 KECEEACC4	Healing cap for narrow conical abutment	4 mm	
	 KECEEACC6		6 mm	
	 KECEEACC8		8 mm	

COMPONENTS FOR ANGULATED THREADING ON Ø 4MM NARROW CONICAL MUA ABUTMENTS

	References	Designations	Diameter
	34_612_231_01-2G	Digital analog with screw Comp.0231	Ø 4 mm
	41_316_044_32-2G	Dynamic Screw A2 M1.6 L4.4mm 20N·cm	

Dynamic screw **Ref. 41_316_044_32-2G** will tighten a structure able to correct an axis directly on conical MUA abutments.

TOOLS DEDICATED TO ANGULATED THREADING

	References	Designations
	43_618_201_01-2G	Dynamic screwdriver. L18mm. Up to 30°
	43_624_201_01-2G	Dynamic screwdriver. L24mm. Up to 30°
	43_632_201_01-2G	Dynamic screwdriver. L32mm. Up to 30°

9.2. CONICAL MUA ABUTMENTS

Conical MUA abutments indicated to be used with prostheses are available for all Bone Level KONTACT™ diameters **except the 3mm diameter**.

Made of titanium with the following features:

- Straight, 5 available heights: 1 – 2 – 3 – 4 – 5mm
- Available in indexed angulated: 17 – 30°, 4 heights: 2 – 3 – 4 – 5mm
- Available in non-indexed angulated: 17 – 30°, 4 heights: 2 – 3 – 4 – 5mm

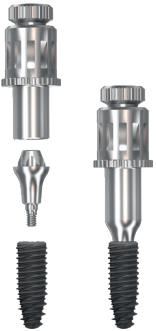



Recommended for multiple or complete restorations.

INSTRUCTION: impression **MUST** be taken on conical MUA abutments already screwed (**20 Ncm**) in the mouth.

An impression directly on the implant would imply a different depth between the prostheses manual tightening and the permanent tightening with the torque wrench key.

This may result in a wrong adaptation of the prostheses, lack of passivity leading to a mechanical issue and a risk of bacterial infiltration.

Ø 4.9MM STRAIGHT CONICAL MUA ABUTMENTS

		References	Designations	Diameter	Heights
		KEC1	Straight conical abutment	Ø 4.9 mm	1 mm
		KEC2			2 mm
		KEC3			3 mm
		KEC4			4 mm
		KEC5			5 mm
		KMPE	Chuck holder for conical abutment	Ø 4.9 mm	
		KMPPEM	Long chuck holder for conical abutment	Ø 4.9 mm	

PROTOCOL FOR
CONICAL
MUA ABUTMENTS
PLACEMENT

Ø 4.9MM INDEXED ANGULATED CONICAL MUA ABUTMENTS

Dedicated to single or multiple restorations with strong axial divergence.



	References	Designations	Diameter	Angulations	Heights
	KEA172	Angulated conical abutment 17° + KVP screw	Ø 4.9 mm	17°	2 mm
	KEA173				3 mm
	KEA174				4 mm
	KEA175				5 mm
	KEA302	Angulated conical abutment 30° + KVP screw	Ø 4.9 mm	30°	2 mm
	KEA303				3 mm
	KEA304				4 mm
	KEA305				5 mm

Protocol for angulated conical MUA abutments placement: see p94 – sketch n°3

Ø 4.9MM NON-INDEXED ANGULATED CONICAL MUA ABUTMENTS

Dedicated to single or multiple restorations screwed with strong axial divergence.



	References	Designations	Diameter	Angulations	Heights
	KEA172NI	Angulated non indexed conical abutment 17° + KVP screw	Ø 4.9 mm	17°	2 mm
	KEA173NI				3 mm
	KEA174NI				4 mm
	KEA175NI				5 mm
	KEA302NI	Angulated non indexed conical abutment 30° + KVP screw	Ø 4.9 mm	30°	2 mm
	KEA303NI				3 mm
	KEA304NI				4 mm
	KEA305NI				5 mm

Protocol for angulated conical MUA abutments placement: see p94 – sketch n°3

COMPONENTS FOR DIGITAL IMPRESSION* ON Ø 4.9MM CONICAL MUA ABUTMENTS



	References	Designations
	KECSCANP	PEEK scanbody for conical abutment

*A digital impression of the PEEK scanbodies for the narrow conical MUA abutment can be taken with an intraoral scanner, or can be scanned on a working model from a conventional impression using a desktop scanner

COMPONENTS FOR CAD/CAM PROSTHESIS





	References	Designations	Diameter	CHIMNEY HEIGHTS
	KECCADCAM	Titane base for conical abutment + EAVGC screw	Ø 4.9 mm	8.2 mm
	KECCADCAM2			4.7 mm
















COMPONENTS FOR ANGULATED THREADING ON Ø 4.9MM CONICAL MUA ABUTMENTS

	References	Designations	Diameter
	34_613_232_01-2G	Digital analog with screw Comp.0232	Ø 4.9 mm
	41_314_039_32-2G	Dynamic Screw A2 M1.4 L3.9mm 20N·cm	







TOOLS DEDICATED TO ANGULATED THREADING

	References	Designations
	43.618.201.01-2G	Tournevis dynamique à vissage angulé. L18mm. Jusqu'à 30°
	43.624.201.01-2G	Tournevis dynamique à vissage angulé. L24mm. Jusqu'à 30°
	43.632.201.01-2G	Tournevis dynamique à vissage angulé. L32mm. Jusqu'à 30°

NON-INDEXED COMPONENTS FOR SCREW-RETAINED PROSTHESES ON Ø 4.9MM NARROW CONICAL MUA ABUTMENTS

	References	Designations	Heights	Lengths
10 Ncm		EATPU Pick-up transfer for conical abutment + screws EAVTPU/EAVTPUL		
		EAVTPU Pick-up transfer screw for conical abutment		Short
		EAVTPUL Pick-up transfer long screw for conical abutment		Long
		EATPO Pop-up transfer for conical abutment		
		EAAP Conical abutment analog		
20 Ncm		KE-PP Temporary sleeve for conical abutment + EAVGC screw		
		KECGM Sleeve mixed for conical abutment + KECGMV screw		
		KECGM-1 Sleeve for conical abutment + KECGMV screw		
		KECGMV Mixed sleeve screw for conical abutment		
10 Ncm		EACC	4 mm	
		EACC6	6 mm	
		EACC8	8 mm	
20 Ncm		EAGC Castable sleeve for conical abutment + screw EAVGC		
		EAVGC Castable sleeve screw conical abutment		
		EAGP Protection template for conical abutment		

INDEXED COMPONENTS FOR SCREW-RETAINED PROSTHESES ON Ø 4.9MM NARROW CONICAL MUA ABUTMENTS

		References	Designations
		KEAAPI	Conical abutment indexed analog
20 Ncm		KEAGCI	Indexed castable sleeve for conical abutment + EAVGC screw
		KECGMI	Indexed mixed sleeve for conical abutment + KECGMV screw
10 Ncm		KEATPUI	Indexed pick up transfer for conical abutment + 2 EAVTPU (L) screws
		KEATPOI	Indexed pop up transfer for conical abutment + KEAVTPOI screw
20 Ncm		KECGTI	Indexed titanium sleeve for conical abutment + KECGMV screw

DRILLING GUIDE FOR CONICAL ABUTMENTS

	References	Designations
	EAGMX	Maxillary drilling guide for conical abutment
	EAGMD	Mandibular drilling guide for conical abutment

KIT FOR CONICAL MUA BASE

Includes the following elements:

- Healing cap for conical MUA abutment,
- Pick up transfer,
- Pick up transfer screw short conical MUA abutments,
- Pick up transfer screw long conical MUA abutments,
- Analog for conical MUA abutment,
- Castable sleeve for conical MUA abutment + screw.

Reference	Designation
KECKIT	Kit for straight conical base



BENDING LEVER KIT

Bending lever kit is dedicated for bending castable sleeves to manage the access hole emergence.

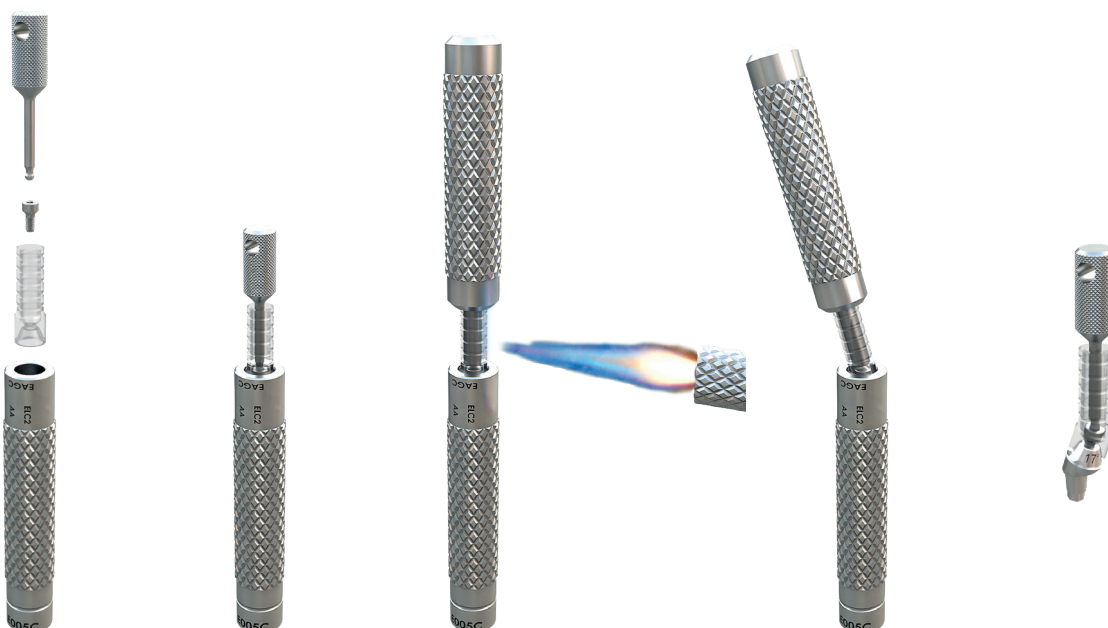
Includes the following elements:

- Bending base,
- Bending tool,
- Hexagonal driver with spherical-tipped end,
- Long spherical-tipped driver.

Reference	Designation
KELCKIT	Bending lever kit for conical and narrow conical abutment castable



BENDING PROTOCOL



View of the sleeve and its screw between driver and base.

Sleeve screwing on the base with the hexagonal driver with spherical-tipped end
Ref. EATPES(L).

Introduction of the bending tool and castable sleeve heating with Bunsen burner.

Sleeve bending with desired angulation (**max 17°**).

Bending castable sleeve could then be screwed on the conical MUA abutment with the driver
Ref. EATPES(L).

PROTOCOL FOR BRIDGE ON CONICAL MUA ABUTMENTS: SURGICAL PHASE

There are two possibilities for tightening conical MUA abutments:

- Immediate insertion after to implant placement,
- Postponed insertion following necessary delay for osseointegration.

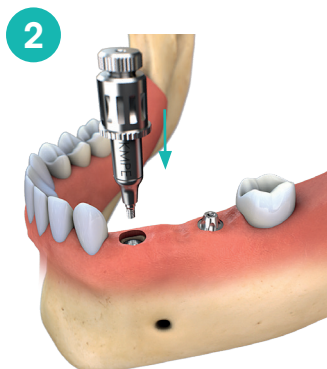
Immediate insertion

DENTIST'S OFFICE

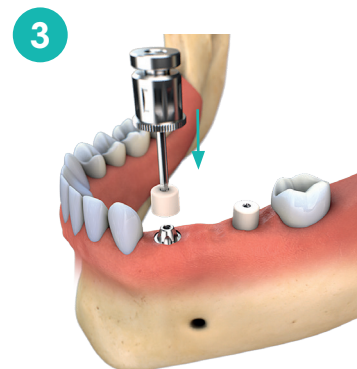
Following implants placement, conical MUA abutments are immediately and permanently tightened with a torque of **20 Ncm**, as long as the primary stability is at least **30 Ncm**.



Implants placement.



Immediate placement of conical MUA abutments with the adapted driver, screwing **20 Ncm**.



MANDATORY: immediate screwing of healing caps on conical MUA abutments. Delay during osseointegration.

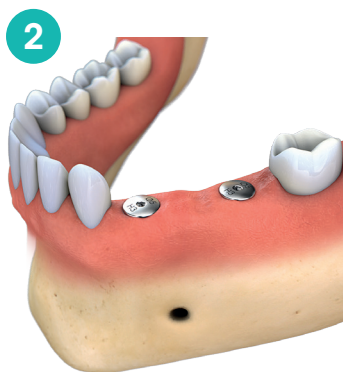
Postponed insertion

DENTIST'S OFFICE

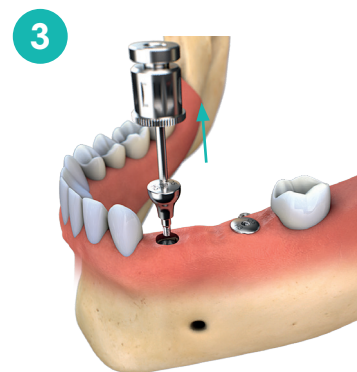
Conical MUA abutments are inserted after osseointegration with a torque of **20 Ncm**.



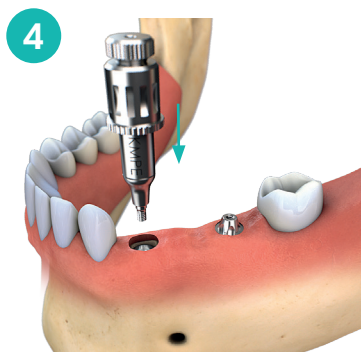
Implants placement.



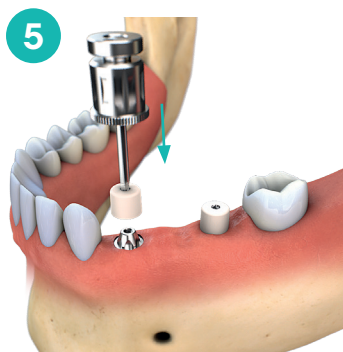
MANDATORY: immediate tightening of healing caps; delay during osseointegration.



After osseointegration, removal of healing screws.



Conical MUA abutments placement with the adapted driver, tightening **20 Ncm**.

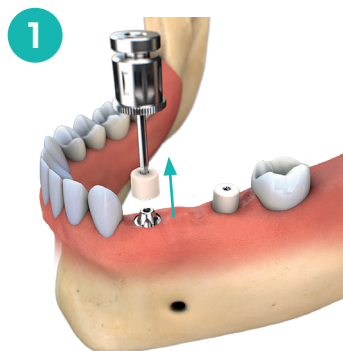


MANDATORY: immediate tightening of healing caps on conical MUA abutments.

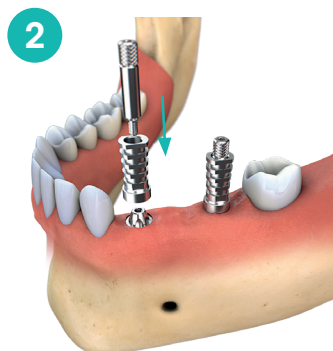
PROTOCOL FOR BRIDGE ON CONICAL MUA ABUTMENTS: PROSTHETICS PHASE

Conventional open-tray impression for pick up (digital impression is also available).

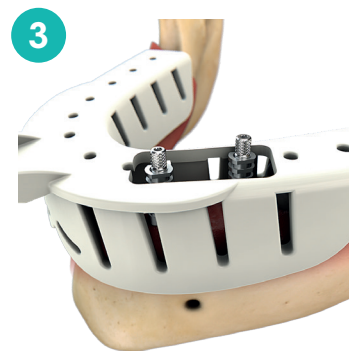
DENTIST'S OFFICE



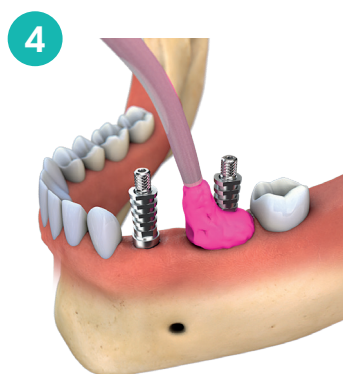
Removal of healing caps from conical MUA abutments.



Placement of pick up transfer with manual tightening.



Check the proper fitting of impression tray so transfer guide pins can be visible, before taking the impression.



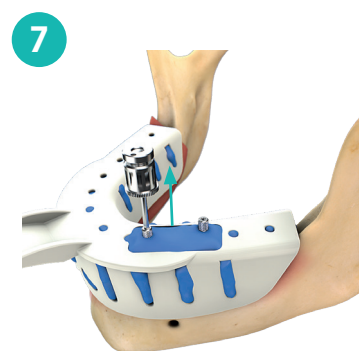
Injection of light silicone around the transfer cap.



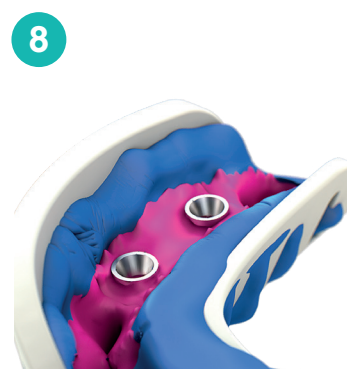
Filling of impression tray with impression material.



Impression, clear transfer guide pin heads.



Unscrewing of transfer guide pins before impression tray removal.



Impression quality control.



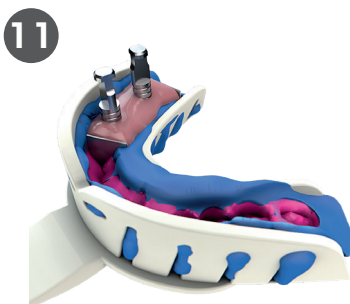
MANDATORY: immediate insertion of healing caps on conical MUA abutments.

Working model pouring and framework production

LABORATORY



Placement and tightening of conical MUA abutments analogs in transfer, through the impression.



MANDATORY:
False gum production.



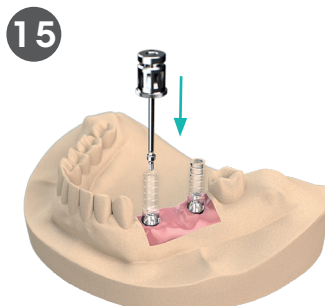
Pouring of plaster.



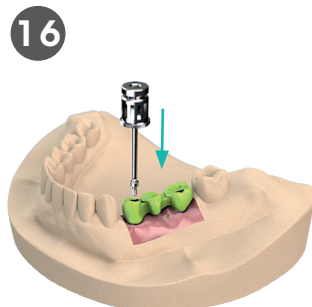
Unscrewing of transfer screws before impression tray removal.



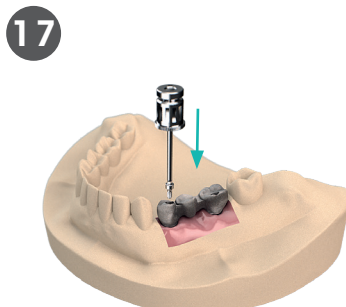
Conical MUA abutments analogs visible on the working model.



Placement of castable sleeves.



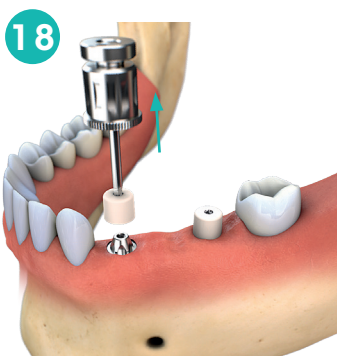
Model production of the framework in wax or resin.



After casting the appliance in metal, framework is screwed on the working model. Everything will be sent to the dentist's office to confirm passivity.

Fitting of the framework, passivity checking

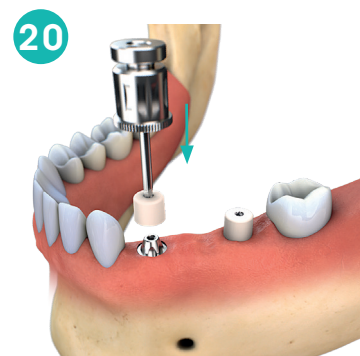
DENTIST'S OFFICE



Removal of healing caps from conical MUA abutments.



Control adjustment with x-ray and passivity confirmation with the SHEFFIELD test.



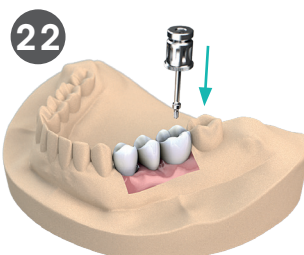
MANDATORY: immediate screwing of healing caps on conical MUA abutments.

Ceramic placement and passivity checking

LABORATORY



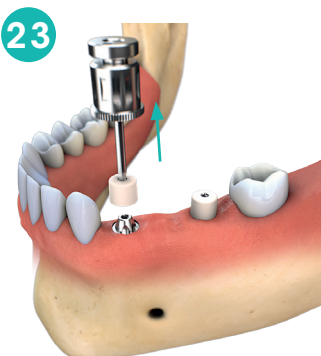
Ceramic placement in a laboratory.



Check contact points and the absence of difficulties while screwing.

Placement of permanent prostheses

DENTIST'S OFFICE



Removal of healing caps from conical MUA abutments.



Placement of final prostheses **20 Ncm** screwing.



Access holes filling with composite and occlusion adjustment.

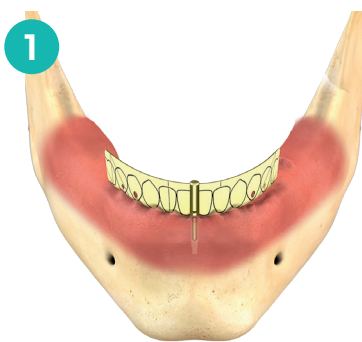
4-LOAD PROTOCOL ON CONICAL MUA ABUTMENTS: SURGICAL PHASE AND IMMEDIATE LOADING

- **Implants placement.**
- **Conical MUA abutments are immediately and permanently attached with a torque of 20 Ncm*.**
- **Conventional pick up impression - open tray technique.**
- **Adjustment of an existing PMMA bridge or newly manufactured in a temporary screw-retained bridge for immediate loading***

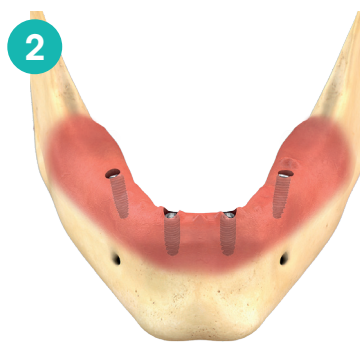
* Conical MUA abutments screwing and temporary prostheses loading can be immediate if primary stability is at least **30 Ncm**.

Otherwise, a fullll overdenture will be worn during osseointegration, without touching healing caps.

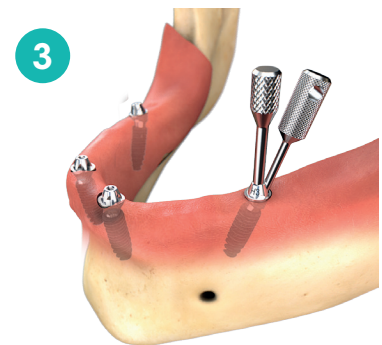
DENTIST'S OFFICE



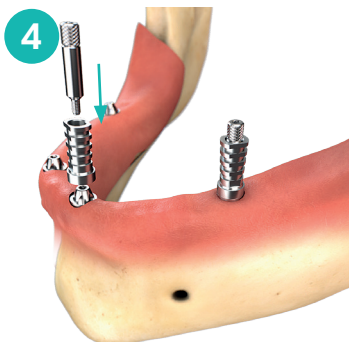
Drilling guide placement oriented by a central pre-drilling.



Implants placement.



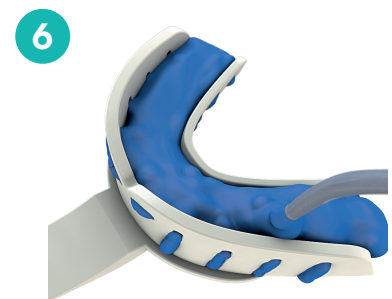
Immediate placement of straight and angulated conical MUA abutments with the adapted drivers, screwin **20 Ncm**.



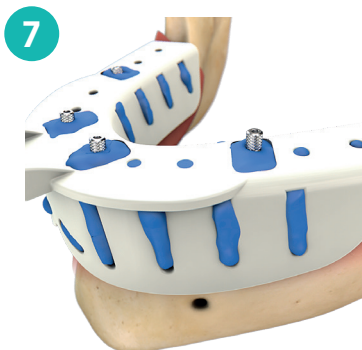
Pick up transfer placement by screwing manually.



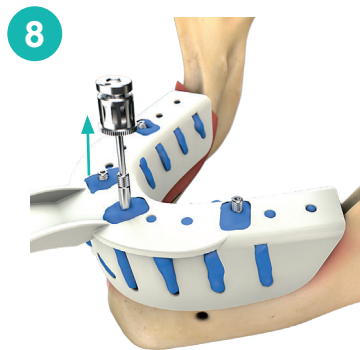
Check the proper fitting of impression tray so transfer screws can be visible, before taking the impression.



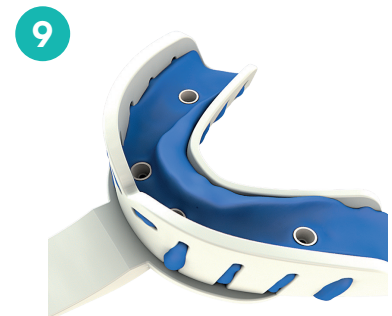
Filling of impression tray with impression material.



Impression, clear transfer screw heads.



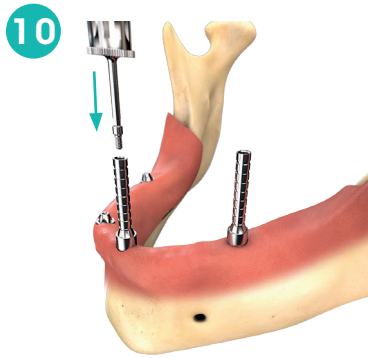
Unscrewing of transfer screws before impression tray removal.



Impression quality control after removal.

Temporary bridge attachment

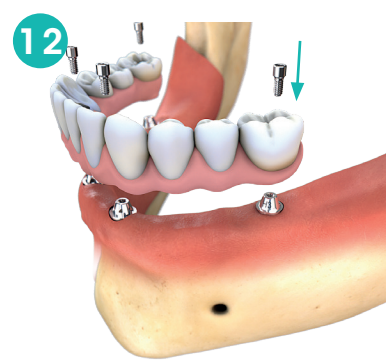
DENTIST'S OFFICE



Titanium sleeves attaching.



Resin is used to unite an empty prefabricated bridge with titanium sleeves. Occlusion is adjusted and bridge is polished before placement.



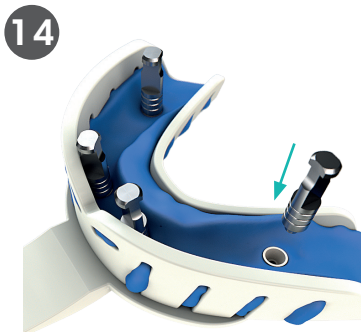
Placement of temporary prostheses on conical MUA abutments, screwing **20 Ncm**.



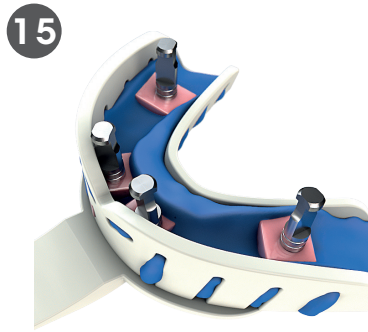
Access holes filling with composite and occlusion adjustment.

Working model production

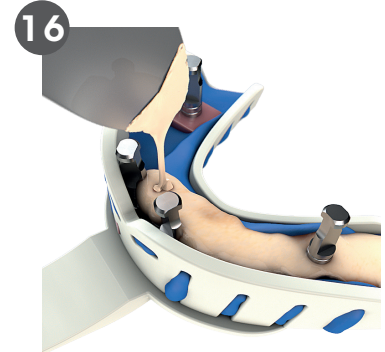
LABORATORY



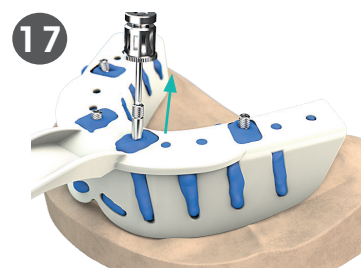
Placement and screwing of conical MUA abutments analogs in transfer, through the impression.



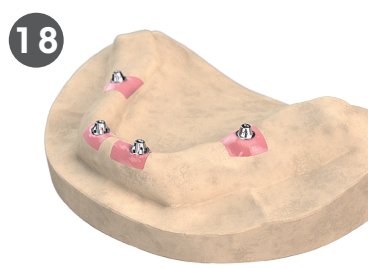
MANDATORY:
False gum production.



Pouring of plaster.



Unscrewing of transfer screws before impression tray removal.



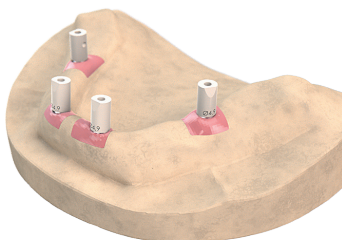
Conical MUA abutments analogs visible on the working model.

4-LOAD PROTOCOL ON CONICAL MUA ABUTMENTS: DIGITAL WORKFLOW

- Working model scanning.
- Modelling and production and permanent bridge.

LABORATORY

19



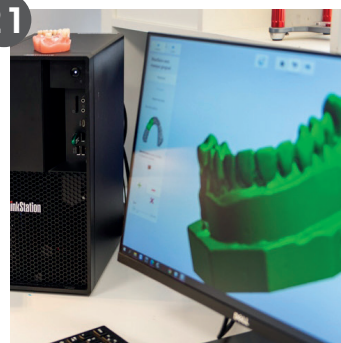
Scanbodies placement.

20



Scanning of the working model by a laboratory scanner.

21



CAD of a zircon framework.

22



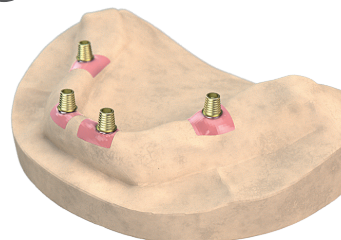
CAM of a zircon framework.

23



Ceramic placement.

24



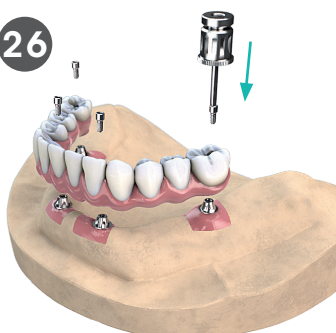
Placement of Ti-Bases on working model.

25



Cement permanent bridge on Ti-Bases.

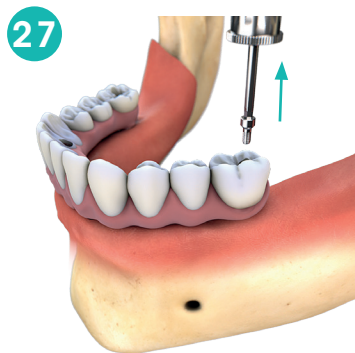
26



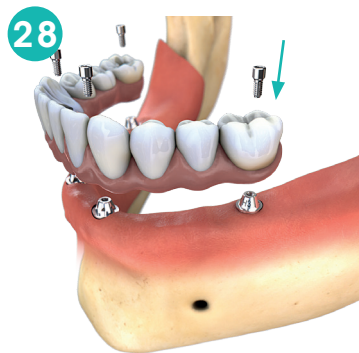
Internal final touches on permanent bridge and manual retightening of working model. Transfer to dentist's office.

Permanent bridge attachment

DENTIST'S OFFICE



Unblock access holes and unscrew temporary bridge.



Permanent prostheses placement, passivity confirmation with the SHEFFIELD test and **20 Ncm** screwing of permanent bridge.

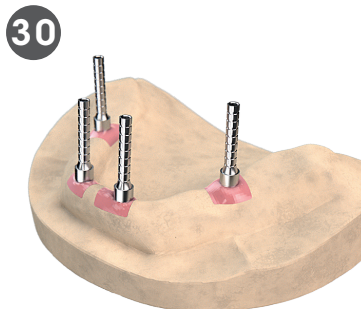


Access holes filling with composite and occlusion adjustment.

4-LOAD PROTOCOL ON CONICAL MUA ABUTMENTS - CONVENTIONAL WORKFLOW

Creation of a validation key for the plaster impression

LABORATORY



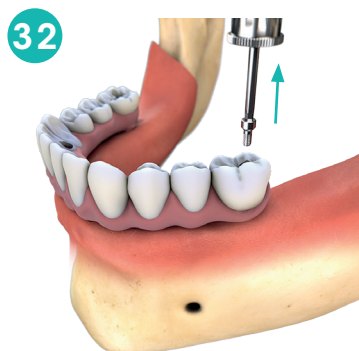
Titanium sleeves placement.



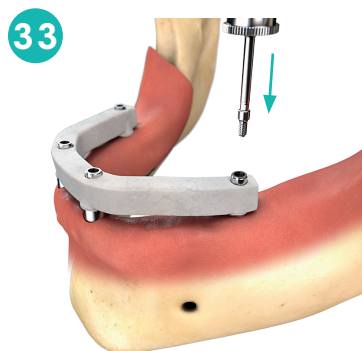
Temporary cylinders heights are reduced and a plaster confirmation key is made to control the exactitude of impression.

Impression quality confirmation

DENTIST'S OFFICE



Unblock access holes and unscrew temporary bridge.



Attachment of plaster confirmation key which must not be broken to confirm the exactitude of impression.



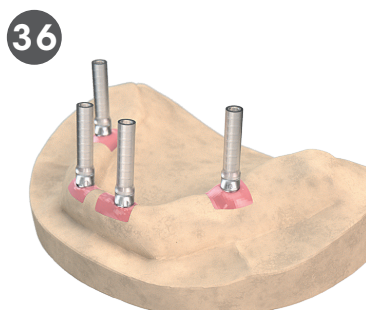
20 Ncm retightening of temporary bridge on conical MUA abutments, access holes filling.



Access holes filling with composite and occlusion adjustment.

Manufacture of Cr-Co framework with lost-wax technique

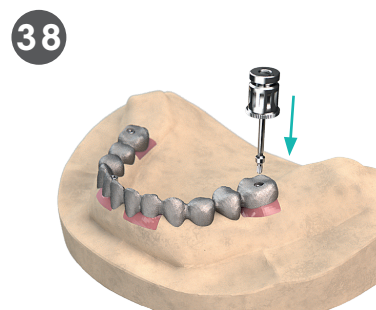
LABORATORY



Placement of castable sleeves on conical MUA abutments analogs.



Production of wax or resin framework.



After casting and finishing the metal framework, it will be sent to the dentist's office to confirm passivity with the SHEFFIELD test.

Framework fitting, check passivity

DENTIST'S OFFICE



Unblock access holes and unscrew temporary bridge.



Framework fitting. Control adjustment with x-ray and passivity confirmation with the SHEFFIELD test.



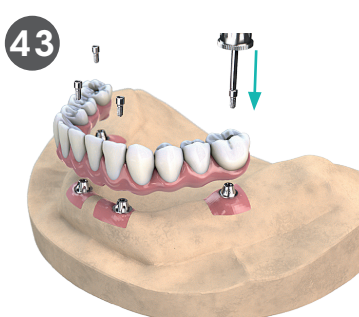
20 Ncm retightening of temporary bridge on conical MUA abutments, access holes filling.

Ceramic placement

LABORATORY



Access holes filling with composite and occlusion adjustment.



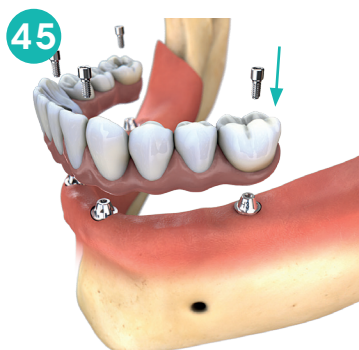
After ceramic placement, permanent bridge is manually screwed to the working model.

Permanent bridge attachment

DENTIST'S OFFICE



Unblock access holes and unscrew temporary bridge.



Permanent prostheses placement, passivity confirmation with the SHEFFIELD test and **20 Ncm** screwing of permanent bridge.



Access holes filling with composite and occlusion adjustment.

9.3. CASTABLE ABUTMENTS

Castable abutments are available for all Bone Level Kontakt™ diameters **except the 3mm diameter.**

Made of Cobalt- Chrome (CoCr) with the following features:

- 2 available diameters: 4 – 5mm,
- 5 available heights: 1 – 2 – 3 – 4 – 5mm,
- Delivered with their permanent screw-retained screw ref. KVP and their castable sleeves.

Recommended for screw-retained single implant restorations:

- Framework carving directly on the castable sleeve, surrounding the abutment upper part,
- Cast in Cobalt-Chrome according to the lost-wax technique.

RECOMMENDATION: Sandblasted at low pressure (2.5 bar).

VERY IMPORTANT: never polish the abutment part in contact with the implant connection.



	References	Designations	Diameters	Heights
	KPSCC401	CrCo overcasted straight abutment in Ø4.0mm + KVP screw	Ø 4 mm	1 mm
	KPSCC402			2 mm
	KPSCC403			3 mm
	KPSCC404			4 mm
	KPSCC405			5 mm
	KPSCC501	CrCo overcasted straight abutment in Ø5.0mm + KVP screw	Ø 5 mm	1 mm
	KPSCC502			2 mm
	KPSCC503			3 mm
	KPSCC504			4 mm
	KPSCC505			5 mm

9.4. OMNIPOST CONCEPT

The OmniPost concept is a multifunctional prosthetics solution designed for:

- **HEALING**: healing caps are anatomically shaped to adapt to the implant site for an optimal emergence profile.
- **IMPRESSION**: impression on the anatomical cap can be taken directly using digital or conventional techniques. The abutment position is then reproduced as accurately as possible.
- **FINAL PROSTHESES**: responding to the "One Abutment - One Time" biological principles, the OmniPost implant abutment is positioned on the day of surgery. It is NEVER placed in such a way as to keep the attachment around the implant. The final restoration is therefore performed on the same abutment.

STRAIGHT AND ANGULATED INDEXED OMNIPOST ABUTMENTS

OmniPost abutments intended for screw-retained or telescopic prostheses are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Made of grade V titanium anodised in a pink color with the following features:

- Respond to the "One Abutment - One Time" biological principles,
- Available in indexed and non-indexed,
- Available straight – 7.5° - 15° - 20°,
- 5 available heights: 1.5 – 2 – 3 – 4 – 5mm.

Recommended for single or multiple screw-retained restorations, or for telescopic restorations.

Its narrow morphology responds to biological expectations.

INSTRUCTION: on the day of surgery, the abutment is placed and will stay put until final restoration to avoid damaging biological space.

Impression **MUST** be taken on OmniPost abutments already screwed (**20 Ncm**) in the mouth.



	References	Designations	Angulations	Heights
	KPOP150	OmniPost straight abutment + KVP screw	0°	1.5 mm
	KPOP200			2 mm
	KPOP300			3 mm
	KPOP400			4 mm
	KPOP500			5 mm
	KPOPA75150	OmniPost angulated abutment 7.5° + KVP screw	7.5°	1.5 mm
	KPOPA75200			2 mm
	KPOPA75300			3 mm
	KPOPA75400			4 mm
	KPOPA75500			5 mm
	KPOPA150150	OmniPost angulated abutment 15° + KVP screw	15°	1.5 mm
	KPOPA150200			2 mm
	KPOPA150300			3 mm
	KPOPA150400			4 mm
	KPOPA150500			5 mm
	KPOPA200150	OmniPost angulated abutment 20° + KVP screw	20°	1.5 mm
	KPOPA200200			2 mm
	KPOPA200300			3 mm
	KPOPA200400			4 mm
	KPOPA200500			5 mm

ANGULATED NON-INDEXED OMNIPOST ABUTMENTS



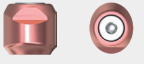







	Références	Désignations	Angulations	Hauteurs
	KPOPA75150NI	OmniPost non indexed angulated abutment 7.5° + KVP screw	7.5°	1.5 mm
	KPOPA75200NI			2 mm
	KPOPA75300NI			3 mm
	KPOPA75400NI			4 mm
	KPOPA75500NI			5 mm
	KPOPA150150NI	OmniPost non indexed angulated abutment 15° + KVP screw	15°	1.5 mm
	KPOPA150200NI			2 mm
	KPOPA150300NI			3 mm
	KPOPA150400NI			4 mm
	KPOPA150500NI			5 mm
	KPOPA200150NI	OmniPost non indexed angulated abutment 20° + KVP screw	20°	1.5 mm
	KPOPA200200NI			2 mm
	KPOPA200300NI			3 mm
	KPOPA200400NI			4 mm
	KPOPA200500NI			5 mm

COPING, ANALOG AND OMNIPOST SCANBODY



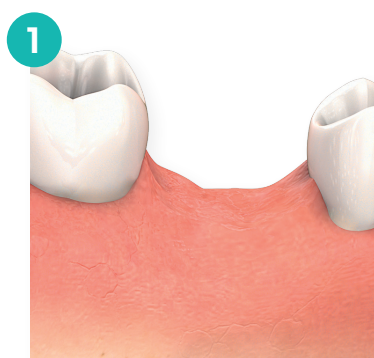
	References	Designations
	KPOPTPI	OmniPost Pick-Up transfer + KPOPVTPI screw
	KPOPVTPI	OmniPost Pick-Up transfer screw
	KPOPTPO	OmniPost Pop-Up transfer + KPOPVTPO
	KPOPVTPO	OmniPost Pop-Up transfer screw
	KDOP	OmniPost analog abutment
	KPOPSCANP	PEEK scanbody for OmniPost abutment
	KPOPVCTL	OmniPost cap laboratory screw

CAPS ON OMNIPOST ABUTMENTS

		References	Designations
10 Ncm		KPOPCC	OmniPost healing cap + KPOPVCTV screw
		KPOPCCMD	OmniPost mandibular molar healing cap + KPOPVCTV screw
		KPOPCCMX	OmniPost maxillary molar healing cap + KPOPVCTV screw
		KPOPCT	OmniPost telescopic cap
		KPOPCTNI	OmniPost non-indexed telescopic cap
30 Ncm		KPOPCTV	OmniPost screw-retained cap + KPOPVCTV screw
		KPOPCTVNI	OmniPost non-indexed screw-retained cap + KPOPVCTV screw
		KPOPVCTV	OmniPost cap transfixation screw

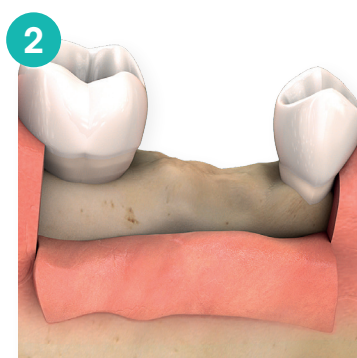
OMNIPOST PROTOCOL: SIMPLIFIED AND FASTER STEPS

Implant placement DENTIST'S OFFICE

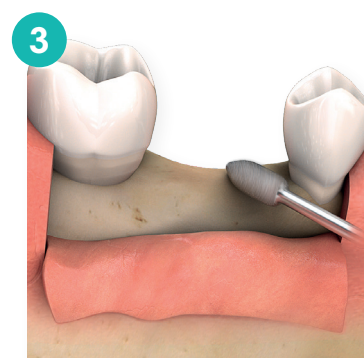


To ensure the best prosthetics results, the conditions detailed below must be followed:

- › A minimum mesiodistal space of 7.5mm.
- › A prosthetics height (between the upper part of the abutment and the opposing tooth) of 5mm for the telescope solution and 7mm for the screw-retained solution.

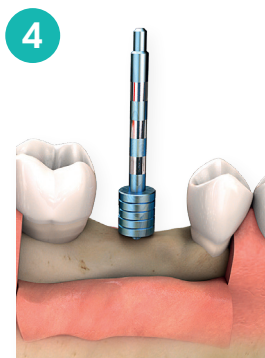


Incise the tissue and remove flaps before regularising the bone crest.



Smoothen the alveolar crest before fitting the implant.

Begin the initial drilling hole right in the center of the mesiodistal space.



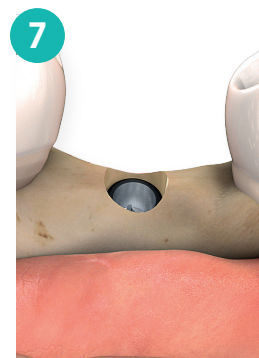
Check the position and depth of the drill hole.



Example of an implant placement with a 15° axis correction.



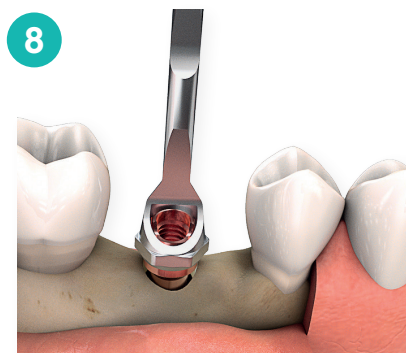
Placement of the implant. The implant should be threaded in with the index finger in vestibular position to easily choose the most suitable angulated OmniPost abutment. This rule will allow the anatomical healing cap to be placed in the correct position.



2mm sub-crestal implant placement.

Choosing and fitting the OmniPost abutment

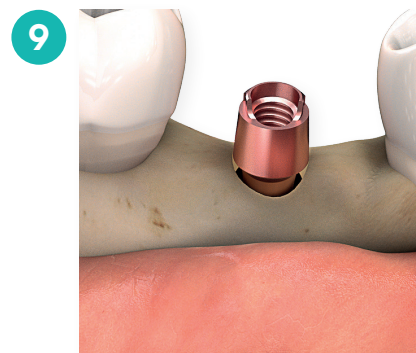
DENTIST'S OFFICE



Select the transgingival height of the abutment according to the available gingival height. The abutment can be oriented with the parallelism cap **Ref. KCPARIP** to find the most ideal axis. He would be able to place it with the "One Abutment - One Time" principle.



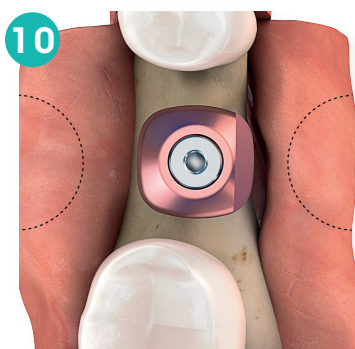
Check the axis correction in relation to the adjacent teeth.



If the torque is lower than **30 Ncm**, wait for osseointegration to move on to the OmniPost abutment.

Choosing and fitting the anatomical healing cap

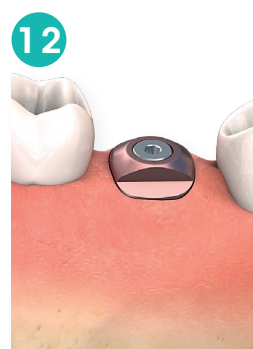
DENTIST'S OFFICE



Position the flat section in vestibular position. Evaluate whether the shape of the tissue needs to be modified. The anatomical healing caps are all indexed to the head of the abutment (six positions), so check that the indexing is done properly before threading them in (**10 Ncm**).



Suture around the anatomical healing cap.



Final site before the prosthetics phase. The flat section of the anatomical healing cap should be positioned in the supragingival and vestibular position.



Occlusal view of the final site before the prosthetics phase. It is preferable to wait between 4 and 8 weeks for the tissue shape to stabilize.

IMPRESSION ON THE ANATOMICAL OMNIPOST CAP

Impression on anatomical OmniPost caps can be digital with an intraoral scanner or conventional with impression material.

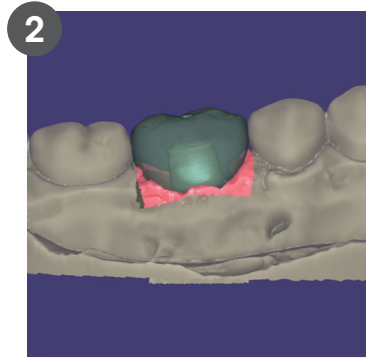
Digital impression taken using an intraoral scanner

DENTIST'S OFFICE

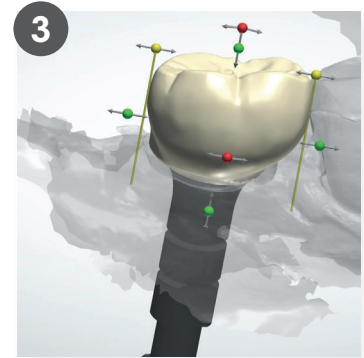
LABORATORY



1 Clean the anatomical healing cap, check its tightening (do not exceed **10 Ncm**) and take a digital impression with an intraoral scanner.



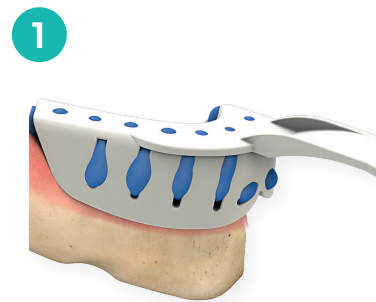
2 CAD.



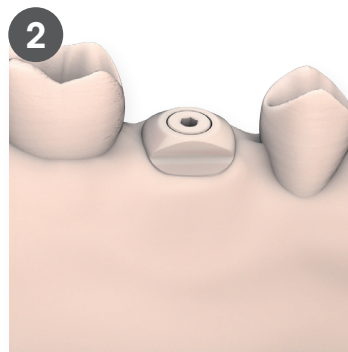
Closed-tray conventional impression

DENTIST'S OFFICE

LABORATORY



1 Check the tension of the screw, then take the impression (closed tray impression) directly on the anatomical healing cap and send it to the laboratory.



2 The plaster model of this impression will be digitised using a laboratory scanner.



3 The modelling software, based on the OmniPost library, will be able to recognize the shape of the healing cap used as a scanbody.

DIGITAL IMPRESSION ON OMNIPOST SCANBODY

Impression on OmniPost abutments can be digital with an intraoral scanner on scanbody or conventional with pick up or pop up coping.

Digital impression on OmniPost scanbody

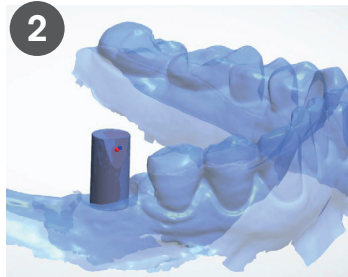
Digital impression with an intraoral scanner. If complications, use digital impression on OmniPost cap.

DENTIST'S OFFICE

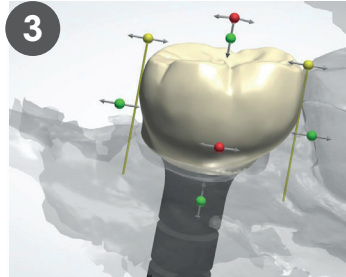


First, unscrew the healing cap and then clip the scanbody onto the OmniPost abutment and take the digital impression using an intraoral scanner.

LABORATORY



Most scanners require the scanbodies to be positioned with the flat section facing vestibular direction.



CAD.

Open tray conventional impression

DENTIST'S OFFICE

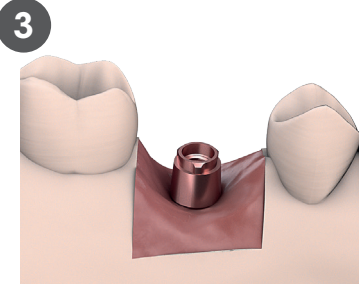


Unscrew the anatomical healing cap, insert the pick up coping and take the impression (open tray impression). Check that the coping is correctly positioned by verifying the indexing.



Make a hole in the impression tray at the location of the coping in order to gain access to the screw. After the impression material has completely hardened, fully unscrew the screw from the coping in the mouth through the impression tray and remove it. Send all of this to the lab.

LABORATORY



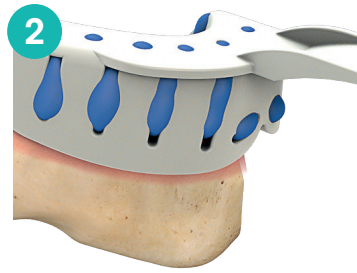
Final model with the abutment analog, before the prostheses is produced.

Closed-tray conventional impression

DENTIST'S OFFICE



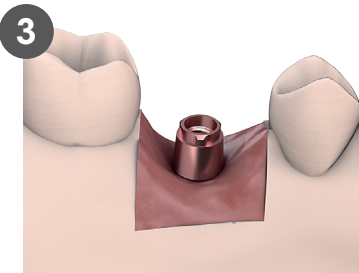
Unscrew the anatomical healing cap, insert the coping and take the impression (closed tray impression). Check that the coping is correctly placed on the OmniPost abutment.



Use a closed impression tray.

After the impression material has completely hardened, remove the tray from the patient's mouth. Unscrew the coping and send all of this to the lab.

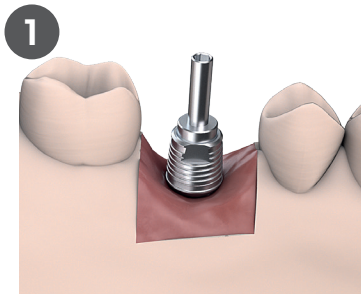
LABORATORY



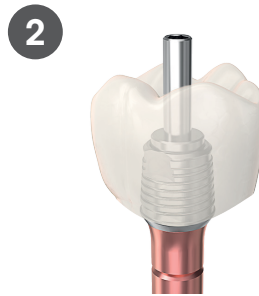
Final model with the abutment analog, before the prostheses is produced.

CREATION OF THE PROSTHETICS TOOTH ON AN OMNIPOST SCREW-RETAINED CAP

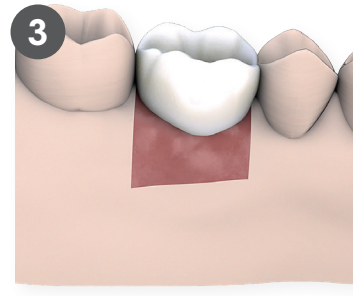
LABORATORY



Tightening of screw-retained cap
with laboratory screw
Ref. KPOPVCTVL.



Shaping of prosthetics tooth.



Prosthetics tooth on working
model.

PROSTHESES CREATION ON OMNIPOST ABUTMENT

Choosing of the prosthetics cap: screw-retained or telescopic

Minimal prosthetics heights: 7mm for screw-retained, 5mm for telescopic.

SCREW-RETAINED PROSTHESES



INDEXED



NON-INDEXED

TELESCOPIC PROSTHESES



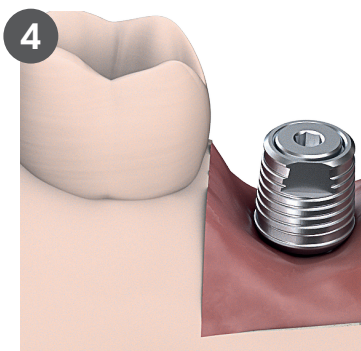
INDEXED



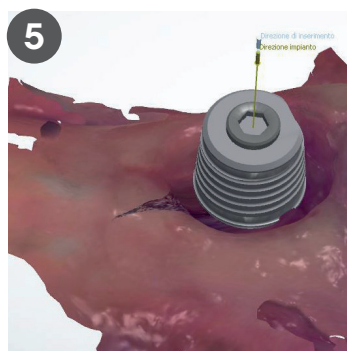
NON-INDEXED

Prosthetics tooth creation on screw-retained cap

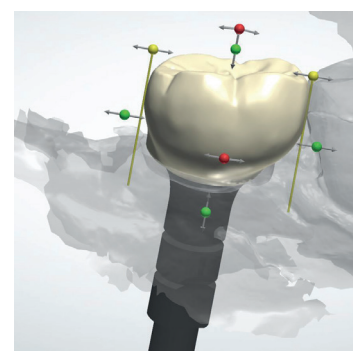
LABORATORY



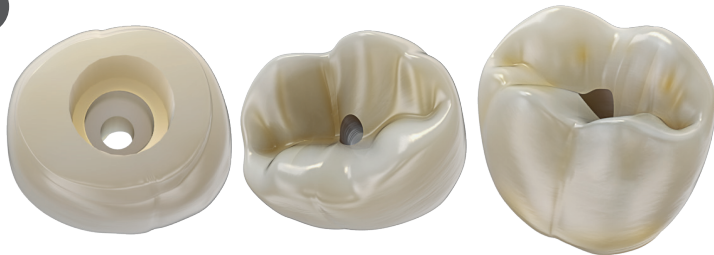
Fitting the screw-retained cap.
Tighten to **30 Ncm**.



CAD.



6



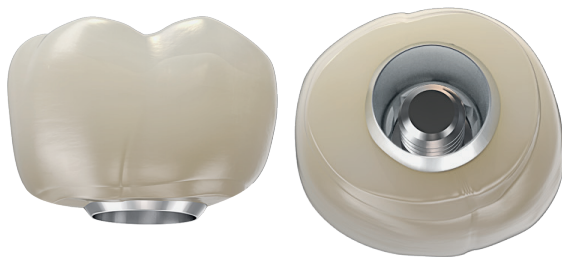
Zirconia (CAM) machining.
Crown could be manufactured with the captive screw technique (see step 5) or a classic screw with a larger hole to pass the screw head.

7



Captive screw technique.
Tighten to **30 Ncm**.

8

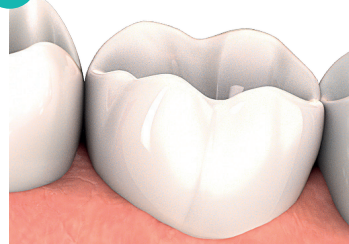


Placement of the cap on the abutment analog using the screw and cementing of the crown with a universal self-curing composite adhesive. Once the crown is cemented in place, the screw is trapped between the cap and the crown which makes it a captive screw.

Please note that the screw must be inserted before cementing the crown.

CABINET DENTAIRE

9

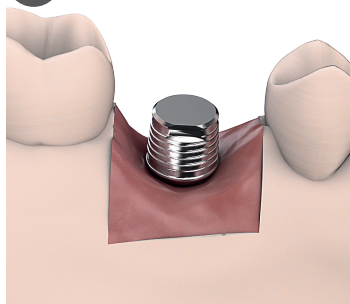


Tighten the prostheses onto the OmniPost abutment.
Tighten to **30 Ncm**. Protect the screw head and fill in the access hole using a ceramic composite.

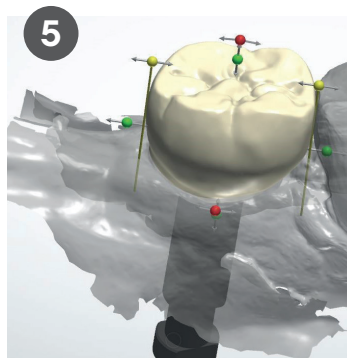
Prosthetics creation on telescopic cap

LABORATORY

4



Choice of telescopic cap: indexed or non-indexed depending on the type of prostheses to be created (single or multiple).



CAD.

6



Zirconia (CAM) machining.

CABINET DENTAIRE

7



Cement the manufactured tooth to the cap.



Place the prostheses in the mouth on the OmniPost abutment.

9.5. SSA-GF* ABTUMENTS




SSA-GF* CAPS FOR OMNIPOST ABUTMENTS

SSA-GF* caps are intended for use with prostheses and **only available for OmniPost abutments**.

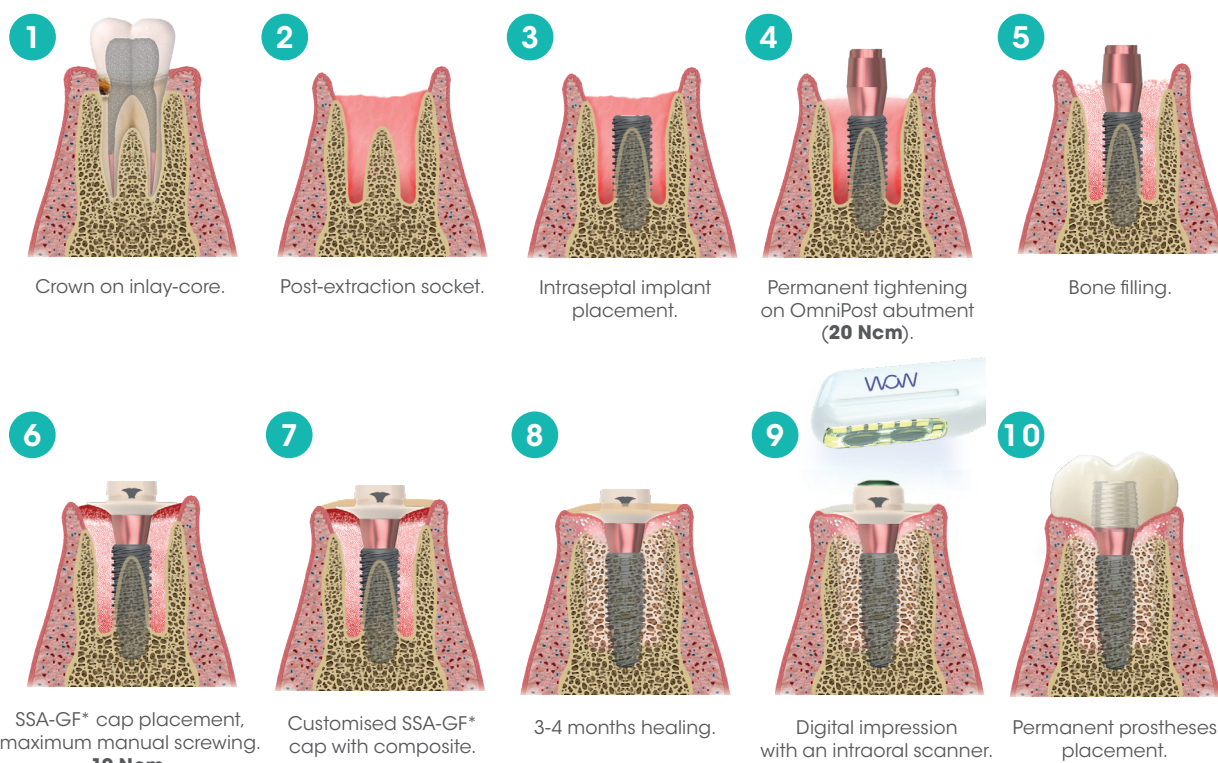
Made of sand-blasted PEEK with the following features:

- Available in 3 shapes: universal – mandibular molar – maxillary molar,
- Customized with composite to fix the emergence profile and protect the implant and bone substitute by ensuring excellent impermeability,
- Digital impression with intraoral scanner,
- Delivered with their final abutment screw.

Mainly recommended for flapless technique with immediate post-extraction implant placement.

10 Ncm	References		Designations
		KPOPSSA	SSA-GF cap for OmniPost abutment + KPOPVSSA screw
		KPOPSSAMD	Mandibular molar SSA-GF cap for OmniPost abutment + KPOPVSSAMD screw
		KPOPSSAMX	Maxillary molar SSA-GF cap for OmniPost abutment + KPOPVSSAMX screw

SSA-GF* PROTOCOL ON OMNIPOST ABUTMENT



* Sealing Socket Abutment – Gingival Fit.

SSA-GF* ABUTMENTS DIRECTLY ON BONE LEVEL KONTACT™ IMPLANT

SSA-GF* abutments intended to screwed prostheses are available for all Bone Level Kontakt™ diameters.

Made of sand-blasted PEEK with the following features:

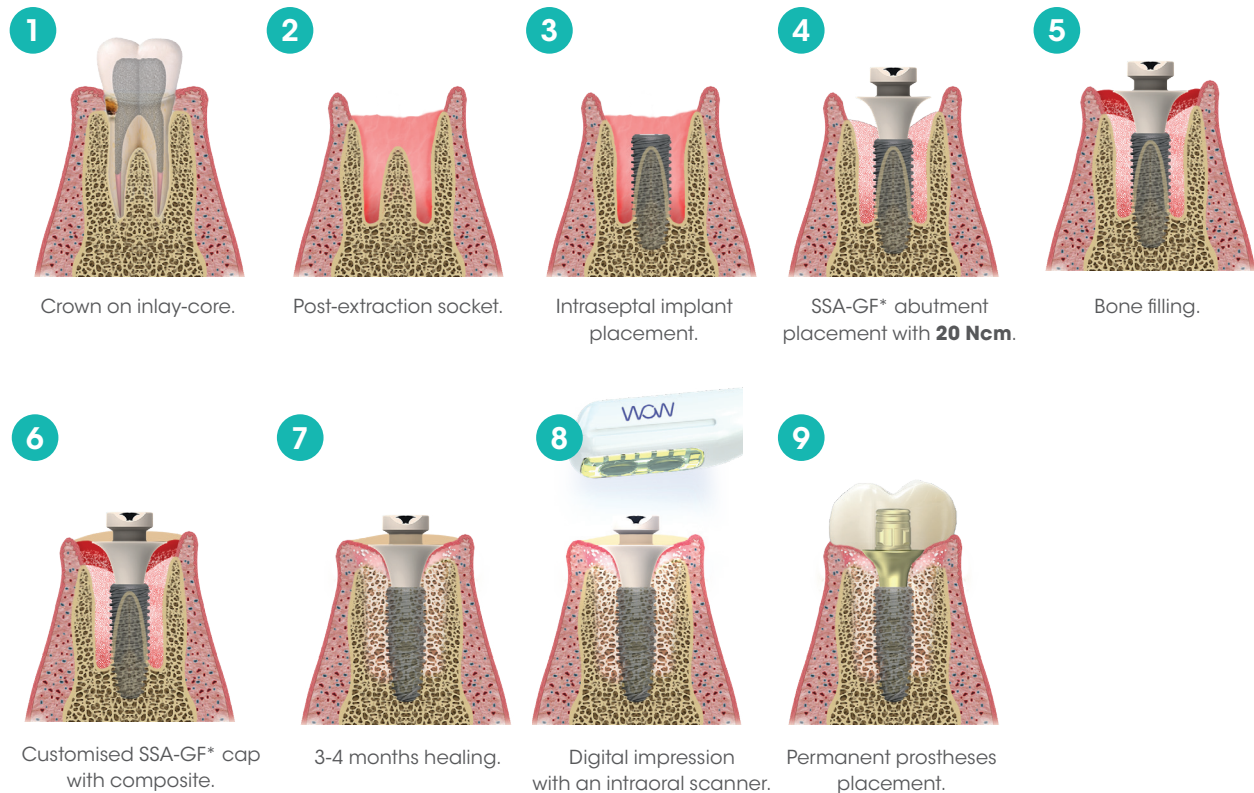
- Available in 3 shapes: universal – mandibular molar – maxillary molar,
- Customized with composite to fix the emergence profile and protect the implant and bone substitute by
- ensuring excellent impermeability,
- Digital impression with intraoral scanner,
- Delivered with their final abutment screw **Ref. KVP**.

Mainly recommended for flapless technique with immediate post-extraction implant placement.



	References	Designations	Shapes	Heights
	BK70-4H2	Healing screw BK 4H2	Universal	2 mm
	BK70-5H2	Healing screw BK 5H2	Mandibular	2 mm
	BK70-65H2	Healing screw BK 6,5H2	Maxillar	2 mm
	BK70-4H4	Healing screw BK 4H4	Universal	4 mm
	BK70-5H4	Healing screw BK 5H4	Mandibular	4 mm
	BK70-65H4	Healing screw BK 6,5H4	Maxillar	4 mm

SSA-GF* * PROTOCOL DIRECTLY ON BONE LEVEL KONTACT™ IMPLANT



9.6. UNIPOST ABUTMENTS

UniPost abutments intended for screw-retained single implant restoration are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Made of titanium with the following features:

- Straight, three diameters available: 4 – 5 – 6mm,
- 5 available heights: 1 – 2 – 3 – 4 – 5mm.

Recommended for screw-retained single implant restoration in premolar molar sector.

Help to work as "One abutment – One time" concept, to place the abutment on the day of implant placement and to not remove it. Thus, protecting attachments between soft tissue and abutment.

INDEXED ** UNIPOST ABUTMENTS



	References	Designations	Diameters	Heights
	KPV401	UniPost abutment Ø4.0mm indexed	Ø 4 mm	1 mm
	KPV402			2 mm
	KPV403			3 mm
	KPV404			4 mm
	KPV405			5 mm
	KPV501	UniPost abutment Ø5.0mm indexed	Ø 5 mm	1 mm
	KPV502			2 mm
	KPV503			3 mm
	KPV504			4 mm
	KPV505			5 mm
	KPV652	UniPost abutment Ø6.5mm indexed	Ø 6.5 mm	2 mm
	KPV653			3 mm
	KPV654			4 mm
	KPV655			5 mm

TOOLS DEDICATED TO UNIPOST ABUTMENTS

	References	Designations	Lengths
	KTP09S	Short narrow prosthesis screwdriver	8 mm
	KTP09**	Narrow prosthesis screwdriver	12 mm
	KTP09L	Long narrow prosthesis screwdriver	18 mm
	KTP09CAS	Short narrow hexagonal screwdriver for contra-angle	20 mm
	KTP09CA	Narrow hexagonal screwdriver for contra-angle	24.5 mm
	KTP09CAL	Long narrow hexagonal screwdriver for contra-angle	30 mm

HEALING CAPS FOR INDEXED UNIPOST ABUTMENTS





	References	Designations	Diameters	Heights
	KPVCC404	Healing cap for UniPost abutment	Ø 4 mm	4 mm
	KPVCC504		Ø 5 mm	
	KPVCC654		Ø 6.5 mm	
	KPVCC406	Healing cap for UniPost abutment	Ø 4 mm	6 mm
	KPVCC506		Ø 5 mm	
	KPVCC656		Ø 6.5 mm	

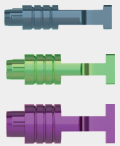



**Indexing for prosthetics purposes only, UniPost abutments for single restorations.

*** Included in the prostheses kit **Ref. KBK**.

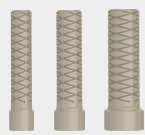



SCANBODIES AND TI-BASES FOR UNIPOST ABUTMENTS

		References	Designations	Diameters
10 Ncm		KPVSCAN40P	PEEK scanbody for UniPost abutment + KPVT screw	Ø 4 mm
		KPVSCAN50P		Ø 5 mm
		KPVSCAN65P		Ø 6.5 mm
20 Ncm		KPVCADCAM40	Titanium base for UniPost abutment + KPVT40 screw	Ø 4 mm
		KPVCADCAM50		Ø 5 mm
		KPVCADCAM65		Ø 6.5 mm

ANALOGS AND TRANSFER FOR UNIPOST ABUTMENTS

		References	Designations	Diameters
10 Ncm		KDPV40	Analog for UniPost abutment	Ø 4 mm
		KDPV50		Ø 5 mm
		KDPV65		Ø 6.5 mm
		KPVTPI40	pick up transfer for UniPost abutment Ø4.0mm + screw KPVTPI40 / KPVTPI40L	Ø 4 mm
		KPVTPI50	pick up transfer for UniPost abutment Ø5.0mm + screw KPVTPI50 / KPVTPI50L	Ø 5 mm
		KPVTPI65	pick up transfer for UniPost abutment Ø6.5mm + screw KPVTPI65 / KPVTPI65L	Ø 6.5 mm

SLEEVES FOR UNIPOST ABUTMENTS

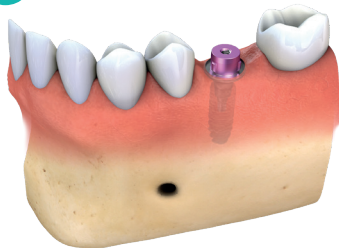
		References	Designations	Diameters
20 Ncm		KPVPP40	PEEK temporary sleeve for UniPost abutment Ø4.0mm + screw KPVT40	Ø 4 mm
		KPVPP50	PEEK temporary sleeve for UniPost abutment Ø5.0mm + screw KPVT50	Ø 5 mm
		KPVPP65	PEEK temporary sleeve for UniPost abutment Ø6.5mm + screw KPVT65	Ø 6.5 mm
		KPVGC40	Castable sleeve for UniPost abutment Ø4.0mm + vis KPVT40	Ø 4 mm
		KPVGC50	Castable sleeve for UniPost abutment Ø5.0mm + screw KPVT50	Ø 5 mm
		KPVGC65	Castable sleeve for UniPost abutment Ø6.5mm + screw KPVT65	Ø 6.5 mm
		KPVGT40	Titanium sleeve for UniPost abutment Ø4.0mm + screw KPVT40	Ø 4 mm
		KPVGT50	Titanium sleeve for UniPost abutment Ø5.0mm + screw KPVT50	Ø 5 mm
		KPVGT65	Titanium sleeve for UniPost abutment Ø6.5mm + screw KPVT65	Ø 6.5 mm
		KPVV40	Screw for castable sleeve for UniPost abutment	Ø 4 mm
		KPVV50		Ø 5 mm
		KPVV65		Ø 6.5 mm

CONVENTIONAL* UNIPOST PROTOCOL

Choice and placement of the UniPost abutment

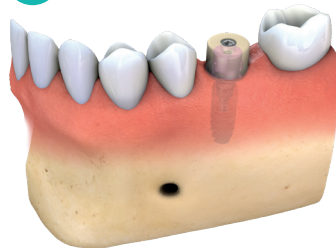
DENTIST'S OFFICE

1



Choose a UniPost abutment (diameter and height) depending on the tooth to be replaced, the gingival height and the selected healing screw. Tighten the UniPost abutment to **20 Ncm** using the **Ref. KTP09** driver.

2

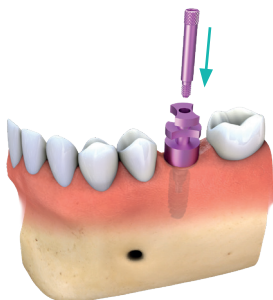


Place an adapted healing cap. Tighten manually (**10 Ncm**).

Open tray impression for UniPost abutment

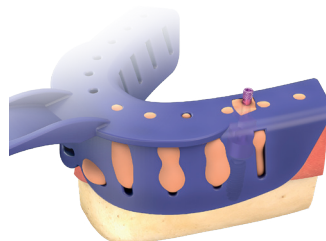
DENTIST'S OFFICE

3



Place the pick up transfer (open impression tray) and take the impression.

4

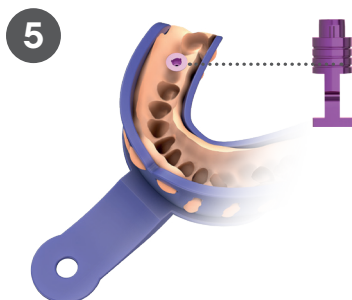


Adjust the impression tray at the coping level so the screw can be visible. After complete hardening of the impression material, unscrew the transfer screw in the mouth through the impression tray and remove it. Send the impression with the UniPost abutment analog to the prostheses.

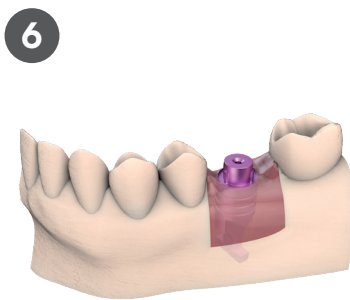
*Digital protocol is also available with scanbody impression thanks to intraoral and Ti-Bases scanner.

Working model manufacture and temporary prostheses creation

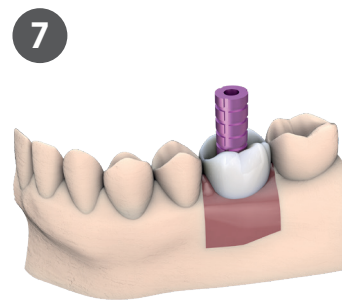
LABORATORY



Connect the analog to the pick up coping remaining in the impression tray.



Cast the plaster model with its false soft silicone gum. View of UniPost abutment analog.



Choose the PEEK temporary sleeve adapted to the abutment diameter (also available in titanium, shown on the sketch). Adjust the sleeve to the correct height depending on the occlusion. Use the resin for the temporary tooth.

Place the temporary prostheses

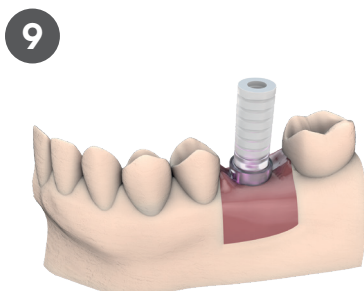
DENTIST'S OFFICE



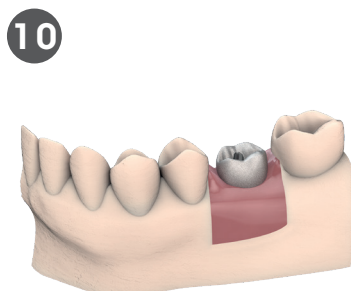
Engage the temporary tooth onto the UniPost abutment. Tighten to **20 Ncm**. Fill the screw access hole.

Manufacture of the permanent prostheses

LABORATORY



Choose the castable sleeve adapted to the abutment diameter.



Design of the metal framework.

Permanent prostheses placement

DENTIST'S OFFICE



Once ceramic is set up and final touches of the prostheses, affix the prostheses on the UniPost abutment. Tighten to **20 Ncm** and fill the screw access hole, then adjust occlusion.

10

TELESCOPIC PROSTHETICS

ISOPOST ABUTMENTS

IsoPost abutments indicated for telescopic prostheses are available for all Bone Level Kontakt™ diameters **except the 3mm diameter**.

Made of titanium with the following features:

- Available straight – 7.5° - 15° – 22°,
- 3 available heights: 1.5 – 3 – 5mm,
- Delivered with their permanent screw **Ref. KVP** and their parallel gauge.

Recommended for multiple or perform restorations, without any screw nor cement (NoCem concept).

RECOMMENDED: after selecting the appropriate IsoPost abutments with the related try-in abutments (see p116), tighten to **(20 Ncm)**.

Prosthesis will then be manufactured, further to the abutment impression and placement with no screw or cement, only by friction.










	References	Designations	Angulations	Heights
	KPIP150	Straight IsoPost abutment + KVP screw + KJIP gauge	0°	1.5 mm
	KPIP300			3 mm
	KPIP500			5 mm
	KPIPA75150	Angulated IsoPost abutment 7.5° + KVP screw + gauge KJIP75	7.5°	1.5 mm
	KPIPA75300			3 mm
	KPIPA75500			5 mm
	KPIPA150150	Angulated IsoPost abutment 15° + KVP + KJIP150 gauge	15°	1.5 mm
	KPIPA150300			3 mm
	KPIPA150500			5 mm
	KPIPA220150	Angulated IsoPost abutment 22° + KVP screw+ KJIP220 gauge	22°	1.5 mm
	KPIPA220300			3 mm
	KPIPA220500			5 mm

COMPONENTS FOR ISOPOST ABUTMENTS







	References	Designations	Angulations
	KPIPSCANP	PEEK scanbody for IsoPost abutment	
	KCCIP	IsoPost indexed castable cap	
	KCPARIP	Iso-Post abutment parallelism cap	
	KJIP	IsoPost straight parallel gauge	0°
	KJIP75		7.5°
	KJIP150		15°
	KJIP220		22°
	KDIP	Analog for straight IsoPost abutment	0°
	KDIP150	Analog for angulated IsoPost abutment 15°	15°
	KAIP	Placement key for IsoPost	

RETENTION CAPS FOR ISOPOST ABUTMENTS

	References	Designations
	KCTIP	Non indexed titanium cap for IsoPost
	KCPIP	Temporary cap IsoPost
	KCTIPCE	IsoPost Non indexed lug titanium cap to stick
	KCTIPC	Indexed titanium cap to stick for Isopost abutment
	KCPEEKIP	Iso-Post PEEK abutment cap
	KCPEEKIPLR	IsoPost abutment PEEK cap for removable prosthesis light retention
	KCPEEKIPHR	IsoPost abutment PEEK cap for removable prosthesis high retention

INDICATIONS FOR USE OF ISOPOST CAPS

Caps for IsoPost abutments are available in Titanium or in PEEK, they fix multiple or complete prostheses without any screw nor cement (NoCem concept).

	References	Recommendations
	KCTIP	Stabilization of total or partial prostheses, in resin, temporary long-term or permanent
	KCTIPCE	Bond titanium coping to metal or ceramic frameworks for fixed ceramic, metal-ceramic, partial or total restorations. The lug is used to ease the pulling of a crown
	KCTIPC	Bond titanium coping to metal or ceramic frameworks for fixed ceramic, metal-ceramic, partial or total restorations
	KCPEEKIP	Stabilization of removing/leaving prostheses, fixed prostheses that could be permanent and complete or temporary
	KCPEEKIPLR	Stabilization of total or subtotal removing/leaving prostheses, on at least 4 implants
	KCPEEKIPHR	Stabilization of removing/leaving prostheses, partial and posterior fixed prostheses

ISOPOST PROTOCOL: IMMEDIATE LOADING FOR TEMPORARY OVERDENTURE

Pre-implant and prosthetics study

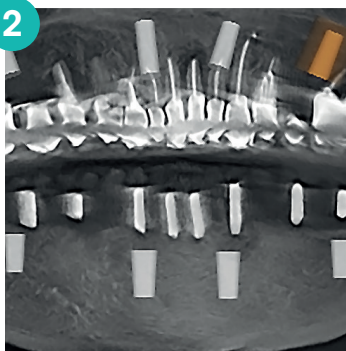
DENTIST'S OFFICE

1



Evaluation of the existing overdenture.
Either recovery of the existing overdenture or production of a new overdenture. Rx markers within the dental axis.

2



3D x-ray with temporary overdenture, implant planning.

Implant placement

DENTIST'S OFFICE

3



Drilling of temporary overdenture in line with the selected implant emergences.

4



Mark the same drilling points corresponding to the gum emergences.

5



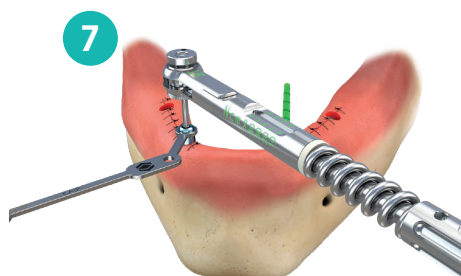
Implant placement (look for a global parallelism and subcrestal position).

Abutments placement

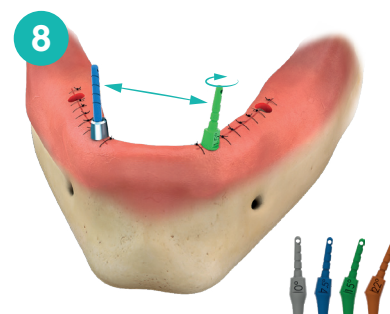
DENTIST'S OFFICE



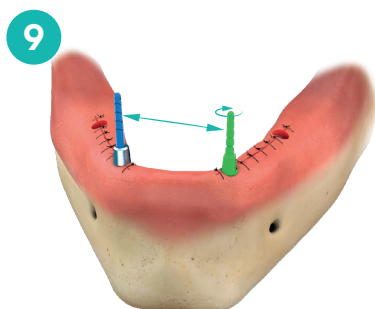
Choice of the reference abutment (ideally anterior and straight) using the IsoPost try-in abutments.



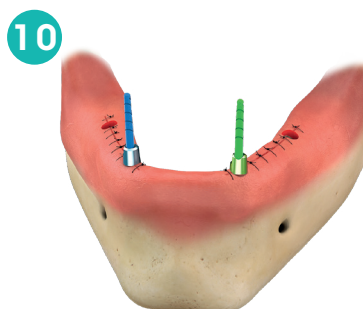
Attaching of the IsoPost reference abutment and parallelism gauge positioning.



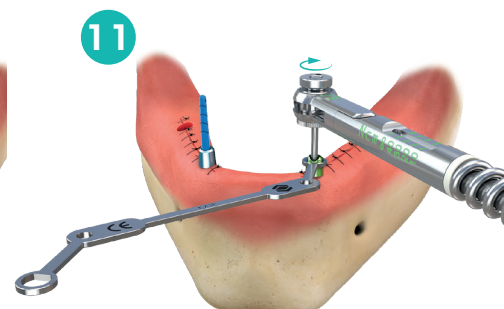
The try-in abutment of the 2nd IsoPost abutment is gradually turned until reaching parallelism. If the parallelism is not reached, the use of the upper angulation try-in abutment is necessary.



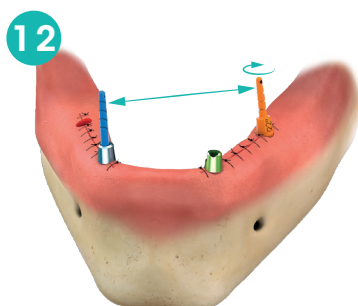
Once the parallelism is reached, get the IsoPost abutment corresponding to the try-in abutment.



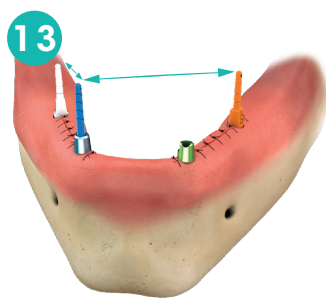
Placement of the IsoPost abutment corresponding to the try-in abutment.



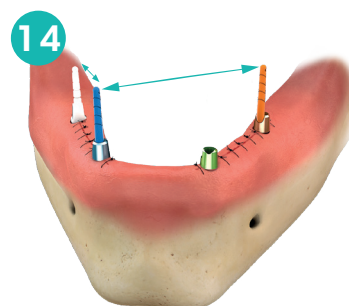
The abutment, held in position by the counter-torque wrench, is now engaged.



The 3rd try-in abutment is placed in the same way while keeping the same reference abutment.

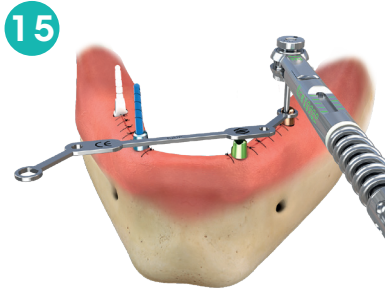


The last try-in abutment is placed in the same way while keeping the same reference abutment.

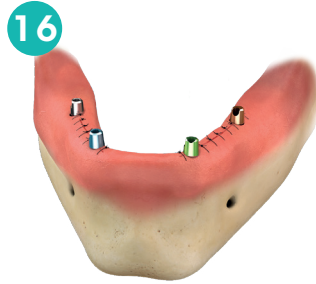


Parallelism of the 3rd abutment using the parallelism gauge.

Especially not one after the other to avoid the accumulation of tolerances.

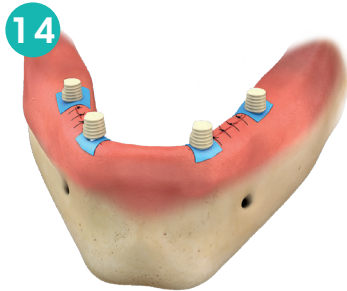


Attaching the 3rd abutment.



Same process for the 4th remaining abutment:
 - Positioning the try-in abutment,
 - Search for parallelism,
 - Placement of the parallelism gauge,
 - 4th abutment screwing

Finishing of the temporary overdenture DENTIST'S OFFICE



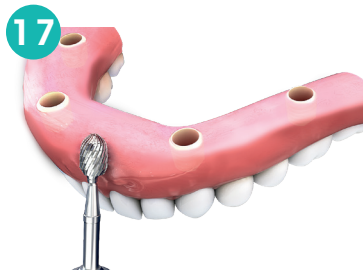
Placement of mini-protection membranes and place PMMA caps. Mini-protection membranes protect sutures and avoid resin spurt under the caps.



Ream pointing holes in the temporary overdenture to allow its insertion on PMMA caps (**Ref. KCPIP**).



Ensure passivity of insertion in respect of centric occlusion. Link the caps to the temporary overdenture with self-polymerising resin. Ensure to keep centric occlusion during this step.

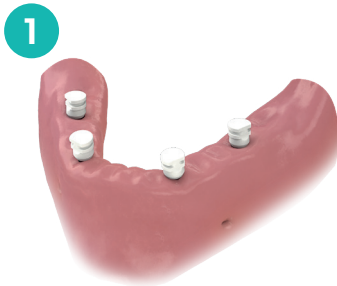


Finishing
 - Filling of porosities,
 - Removal of unnecessary gingival flaps (leading to aesthetics and phonation issues).

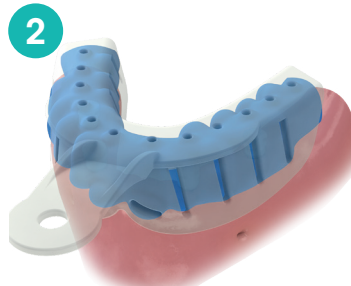


Provide cleaning access for brushes, on each side of the abutments.
 Polishing, placement and occlusal adjustment.

Impression DENTIST'S OFFICE



Placement of transfer caps (**Ref. KCCIP**) on IsoPost abutments.



Conventional closed-tray impression. Impression can also be taken with the WOW intraoral scanner and scanbodies (**Ref. KPIPSCANP**).



Laboratory will work on the IsoPost abutments analogs (**Ref. KDIP**).

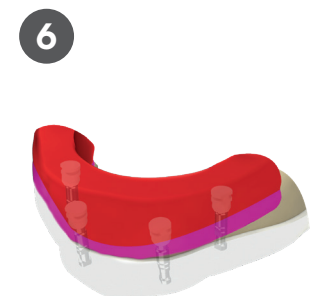
Occlusion measurement LABORATORY



If a temporary overdenture on IsoPost abutments was selected, the practitioner can use it to measure the occlusion with an occlusion base, taking a bite to settle articulator models.



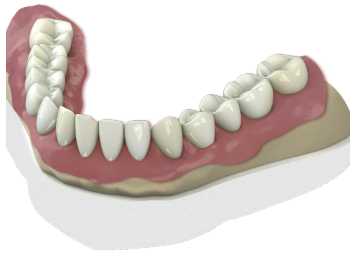
If no temporary overdenture exists, the laboratory can fabricate a record block on a resin base, by integrating impression caps (**Ref. KCCIP**) to ensure perfect stability on the IsoPost abutments.



Making of the final overdenture

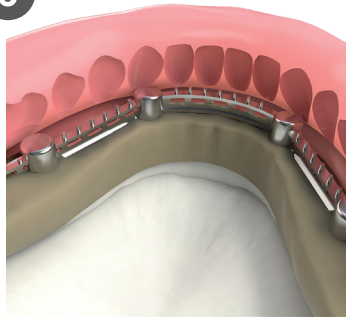
LABORATORY

7



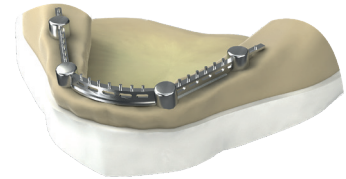
The laboratory will do a set-up on the resin based record block used to register the bite.

8

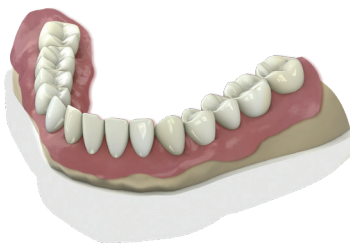


After patient approval of the aesthetic assembly, the laboratory saves the assembly using a silicone vestibular key. Then it manufactures a metal or PEEK framework fitted to low retention caps (**Ref. KCPEEKIPLR**) or high retention caps (**Ref. KCPEEKIPHR**).

9

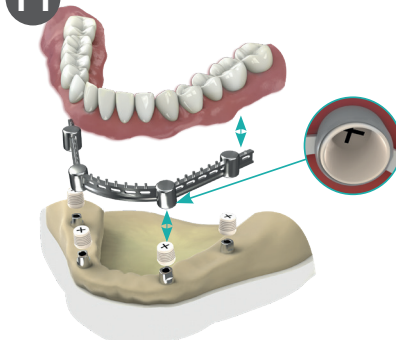


10



Once caps are positioned on IsoPost abutments, metallic framework can now be placed.

11



WARNING: It is highly recommended to bond the caps (**Ref. KCPEEKIPLR** and **Ref. KCPEEKIPHR**) on the overdenture interior arch during the patient visit.

11

STABILIZATION OF REMOVABLE OVERDENTURE

Attachments of ball type or Locator® abutments indicated for stabilization of removable overdentures are available for all Bone Level Kontakt™ diameters **except the 3mm diameter.**






Made of titanium with the following features:

- 5 available heights for KBALL attachments: 1 – 2 – 3 – 4 – 5mm,
- 6 available heights for Locator® attachments: 1 – 2 – 3 – 4 – 5 – 6mm,
- Possibility of angulated Locator® attachments: screwing of **Ref. 08909-2** on angulated conical MUA abutments.





Recommended for complete stabilization of removable overdentures.

10.1. KBALL ATTACHMENTS










	References	Designations	Heights
	KBALL1	Ball abutment	1 mm
	KBALL2		2 mm
	KBALL3		3 mm
	KBALL4		4 mm
	KBALL5		5 mm

COMPONENTS FOR KBALL ATTACHMENTS

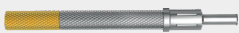









	References	Designations
	KDBALL	Ball abutment analog
	R000	Ball attachment female box
	20397/5	Silicon O-Ring 1.42 mm x 1.52 mm x5
	092CCA	Metal housing with retention rings

10.2. LOCATOR® ABUTMENTS



	References	Designations	Heights
	01792	Locator® abutments	1 mm
	01793		2 mm
	01794		3 mm
	01795		4 mm
	01796		5 mm
	01797		6 mm
	08909-2	Angulated LOCATOR for conical abutment 4.9 - 2 packs	

COMPONENTS FOR LOCATOR® ABUTMENTS

	References	Designations	Angulations	Retention forces
	8393	LOCATOR Core tool		
	8530	LOCATOR Female Analog (4.0mm) (4 Pack)		
	8505	LOCATOR Impression Coping (4 pack)		
	8519-2	Locator® Male Processing Package (2 packs)		
	8524	LOCATOR® male replacement, clear	Between 0° and 20°	2,270 g
	8527	LOCATOR® male replacement, pink by 4	Between 0° and 20°	1,360 g
	8529	LOCATOR® male replacement, blue by 4	Between 0° and 20°	680 g
	8548	LOCATOR® male replacement, red by 4	> 20 °	260 g
	8547	LOCATOR® male replacement, green	> 20 °	680 g
	8915	LOCATOR® male replacement, orange by 4	> 20 °	907 g






12

TRY-IN ABUTMENTS




Try-in abutments are used to select the appropriate dimensions for permanent abutments regarding anatomical requirements of each case:

- hauteur de la muqueuse gingivale et enfouissement de l'implant,
- emergence profile of the future tooth to be replaced,
- implant angulation regarding prosthetics axis.





TRY-IN ABUTMENTS FROM STRAIGHT AND ANGULATED STANDARD ABUTMENTS

	References	Designations	Angulations	Diameter	Heights
	KPFKITV	Kontakt try-in abutment empty kit			
	KPJF401	Try-in straight abutment Ø4.0mm	0°	Ø 4 mm	1 mm
	KPJF402				2 mm
	KPJF403				3 mm
	KPJF404				4 mm
	KPJF405				5 mm
	KPAJF75401	Try-in angulated abutment 7.5° Ø4.0mm	7,5°	Ø 4 mm	1 mm
	KPAJF75402				2 mm
	KPAJF75403				3 mm
	KPAJF75404				4 mm
	KPAJF75405				5 mm
	KPAJF150401	Try-in angulated abutment 15° Ø4.0mm	15°	Ø 4 mm	1 mm
	KPAJF150402				2 mm
	KPAJF150403				3 mm
	KPAJF150404				4 mm
	KPAJF150405				5 mm
	KPAJF220401	Try-in angulated abutment 22° Ø4.0mm	22°	Ø 4 mm	1 mm
	KPAJF220402				2 mm
	KPAJF220403				3 mm
	KPAJF220404				4 mm
	KPAJF220405				5 mm


TRY-IN STRAIGHT AND ANGULATED NANOPOST ABUTMENTS

	References	Designations	Angulations	Diameter	Heights
	KPCJF421	Try-in straight NanoPost abutment Ø4.2mm	0°	Ø 4.2 mm	1 mm
	KPCJF422				2 mm
	KPCJF423				3 mm
	KPCJF424				4 mm
	KPCJF425				5 mm
	KPCAJF75421	Try-in angulated NanoPost abutment 7.5° Ø4.2mm	7.5°	Ø 4.2 mm	1 mm
	KPCAJF75422				2 mm
	KPCAJF75423				3 mm
	KPCAJF75424				4 mm
	KPCAJF75425				5 mm
	KPCAJF150421	Try-in angulated NanoPost abutment 15° Ø4.2mm	15°	Ø 4.2 mm	1 mm
	KPCAJF150422				2 mm
	KPCAJF150423				3 mm
	KPCAJF150424				4 mm
	KPCAJF150425				5 mm





TRY-IN CONICAL MUA ABUTMENTS

	References	Designations	Angulations	Diameters	Heights
	KECEJF1	Try-in straight narrow conical abutment	0°	Ø 4 mm	1 mm
	KECEJF2				2 mm
	KECEJF3				3 mm
	KECEJF4				4 mm
	KECEJF5				5 mm
	KECJF1	Try-in straight conical abutment	0°	Ø 4.9 mm	1 mm
	KECJF2				2 mm
	KECJF3				3 mm
	KECJF4				4 mm
	KECJF5				5 mm
	KEAJF172	Try-in angulated conical abutment 17°	17°	Ø 4.9 mm	2 mm
	KEAJF173				3 mm
	KEAJF174				4 mm
	KEAJF175				5 mm
	KEAJF302	Try-in angulated conical abutment 30°	30°	Ø 4.9 mm	2 mm
	KEAJF303				3 mm
	KEAJF304				4 mm
	KEAJF305				5 mm

LOCATOR® CONICAL MUA ABUTMENTS

	References	Designations	Heights
	KLOC1JF	Locator® Try-in abutment	1 mm
	KLOC2JF		2 mm
	KLOC3JF		3 mm
	KLOC4JF		4 mm
	KLOC5JF		5 mm
	KLOC6JF		6 mm







TRY-IN ISOPOST ABUTMENTS

	References	Designations	Angulations	Heights
	KPIP150JF	Try-in straight IsoPost abutment	0°	1.5 mm
	KPIP300JF			3 mm
	KPIP500JF			5 mm
	KPIPA75150JF	Try-in angulated IsoPost abutment 7.5°	7.5°	1.5 mm
	KPIPA75300JF			3 mm
	KPIPA75500JF			5 mm
	KPIPA150150JF	Try-in angulated IsoPost abutment 15°	15°	1.5 mm
	KPIPA150300JF			3 mm
	KPIPA150500JF			5 mm
	KPIPA220150JF	Try-in angulated IsoPost abutment 22°	22°	1.5 mm
	KPIPA220300JF			3 mm
	KPIPA220500JF			5 mm

13

OTHER TOOLS

TOOL FOR GRINDING HANDLE



	References	Designations
	KDIMAM	Implant analog for grinding handle
	KMAMU	Universal mountdriver for grinding handle
	KMPIMAM-C	Short chuck for grinding handle
	KMPIMAM-L	Long chuck for grinding handle
	1033MAM-C	Short hexagonal screwdriver for grinding handle
	1033MAM-L	Long hexagonal screwdriver for grinding handle

SCREW EXTRACTOR

The extractor **Ref. KEV6P** has to be used on damaged cover screw and healing screw, when there is no possibility of using the following drivers **Ref. 1032, 1033** or **TCA**. Its shape matches the geometry of these two screw heads, and ensures unscrewing.

The extractor **Ref. KEV6PM** has to be used on prosthetics screw, of which its hexagonal head is damaged, and when there is no possibility of using the following drivers **Ref. 1032, 1033** or **TCA**. Its shape matches the geometry of the screw head, and ensures unscrewing.

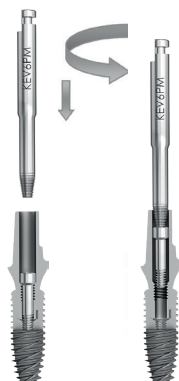
Introduce the extractor in the screw head cavity and turn in an anticlockwise direction (**15 tr/min**). Apply constant and extended pressure while keeping the screw axis.

	References	Designations
	KEV6PM	Hexagonal screw matte extractor
	KEV6P	Hexagonal screw extractor

1

Place the tool (in contraangle) in the abutment or directly on the head's screw until the drill stop.

Turn the drill (**15 tr/min**) in the other way (unscrewing) with a **80 Ncm** torque.








2

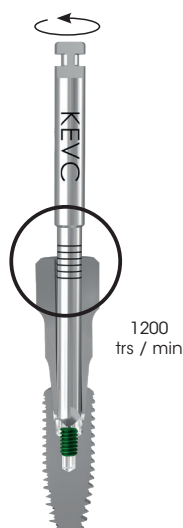
Tool will be blocked in the head's screw and lead to its unscrewing.



IMPORTANT: the extracted screw should not be used again. A new screw is **mandatory**.

BROKEN SCREWS EXTRACTORS

	References	Designations
	KEVK	Broken screw extraction kit
	KEVC	Left center drill for broken screw extraction
	KEVF	Drill left Ø 0.8 mm for broken screw extraction
	KEVEC	Spacer for center drill for broken screw extraction
	KEVEF	Spacer for Ø 0.8 mm drill for broken screw extraction



1

- Place spacer 1 **ref. KEVEC** into the implant, be sure it is properly maintained with conical retention. Lightly turn the spacer for a better retention. Hold the spacer with a wrench for more stability.
- Introduce the drill **ref. KEVC** into the spacer. Turn in an **anticlockwise direction (1200 tr/min)** while holding the spacer with a wrench. Irrigate to avoid implant heating.
- This first drilling will "mark" the broken screw to guide the following drill.
- Use laser marks to measure the drilling depth.
- Drill should drop from one to several laser marks compared to its initial position.
- Go step 2.

The 2mm black laser mark indicates the burying level within the screw to extract. It should disappear in the spacer to be sure the part left is clearly marked.



2

- Place spacer 2 **ref. KEVEF** into the implant, be sure it is properly maintained with conical retention. Lightly turn the spacer for a better retention. Hold the spacer with a wrench for more stability.
- Introduce the drill **ref. KEVF** into the spacer. Turn in an **anticlockwise direction (1200 tr/min)** while holding the spacer with a wrench. Irrigate to avoid implant heating.
- Check if the screw is unscrewed (if it's still on the drill, in the implant or in the spacer).
- Suck the broken screw up.
- Repeat if the screw is not out yet.

ABUTMENT EXTRACTOR WITH BROKEN SCREW

This extractor can extract an implant abutment even if there is a broken screw.

	Reference	Designation
	KEXV	Abutment extractor with broken screw

ABUTMENT EXTRACTOR

	Reference	Designation	Diameters	Lengths
	KEX*	Abutment extractor	All Ø except Ø 3 mm	
	KEXL			Long
	KEXC	Abutment extrator for key		
	KEXLC	Long abutment extractor for key		Long

* included in the prostheses kit **Ref. KBK**.

NOTES

This image shows a full page of a handwriting practice worksheet. It consists of multiple rows of horizontal dashed lines spaced evenly apart, providing a guide for letter height and placement. The background is plain white, and there are no margins or additional markings.

NOTES

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

NOTES

[illegible]

NOTES

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NOTES

This image shows a full page of a handwriting practice worksheet. It consists of approximately 20 horizontal rows. Each row is defined by two parallel dashed lines, creating a series of uniform gaps for letter height. The lines are evenly spaced across the entire page, providing a guide for consistent letter formation. There is no text or other markings on the page.

INFORMATION

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

Tel.: **+33 (0)4 90 44 60 60** / Fax: **+33 (0)4 90 44 60 61**

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13300 Salon-de-Provence

Tel.: +33 (0)4 90 44 60 60



BIOTECH DENTAL



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

Tel.: +33 (0)4 90 44 60 60

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