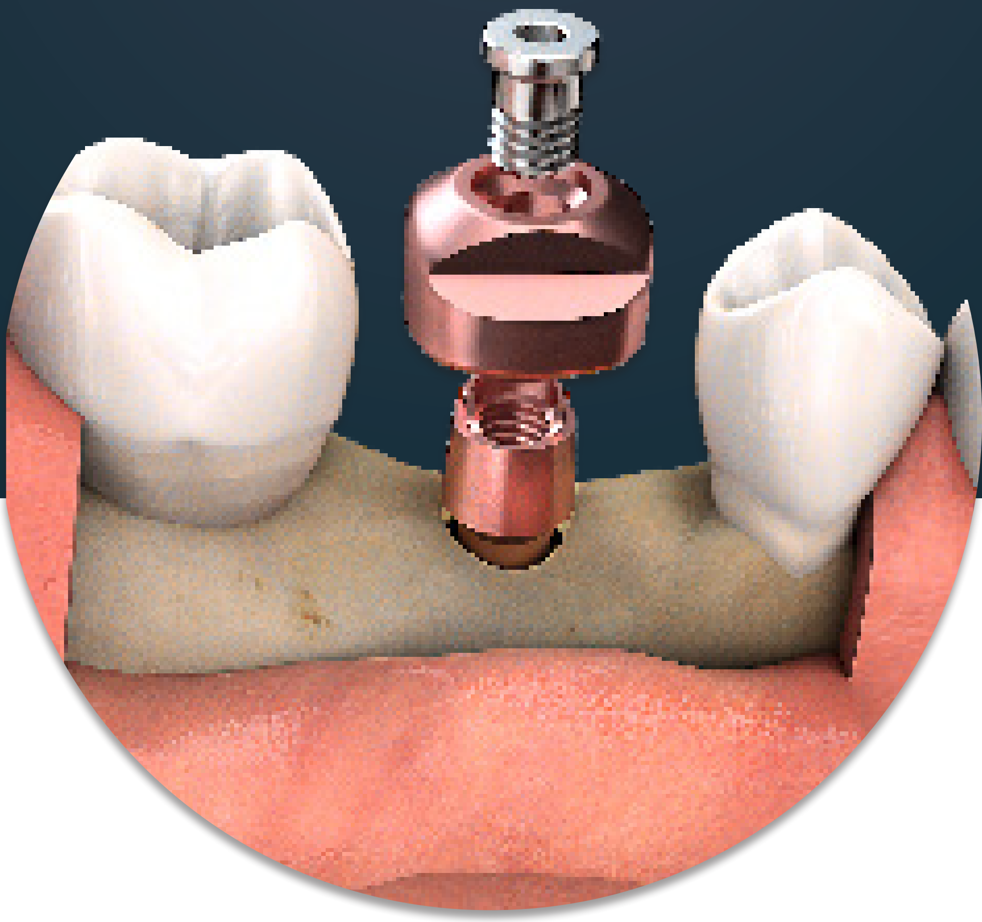
OMNIPOST
PROTOCOL

Protocol for use for OmniPost abutment and anatomical healing cap



BIOTECH DENTAL

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The OmniPost system is a 3-in-1 multifunctional prosthetic solution designed for:

HEALING

The healing screws are anatomically shaped to adapt to the implant site for an optimal emergence profile.

IMPRESSION TRANSFER

The impression on the anatomical cap can be taken directly using the digital or the conventional technique. The position of the implant is then reproduced as accurately as possible.

FINAL PROSTHESIS

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.

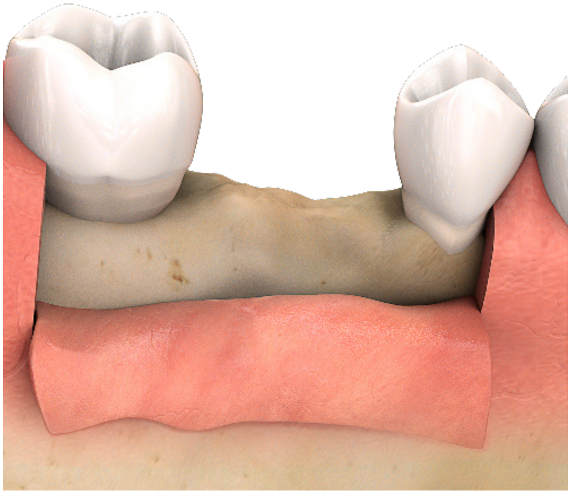
STEPS THAT ARE SPECIFIC TO THE USE OF THE OMNIPOST ABUTMENT

PLEASE NOTE: to ensure the best prosthetic results, the conditions detailed below must be followed:

- A minimum mesiodistal space of 7.5 mm.
- A prosthetic space of 5 mm in relation to the antagonist teeth for the telescope solution and 7 mm for the screw-retained solution.

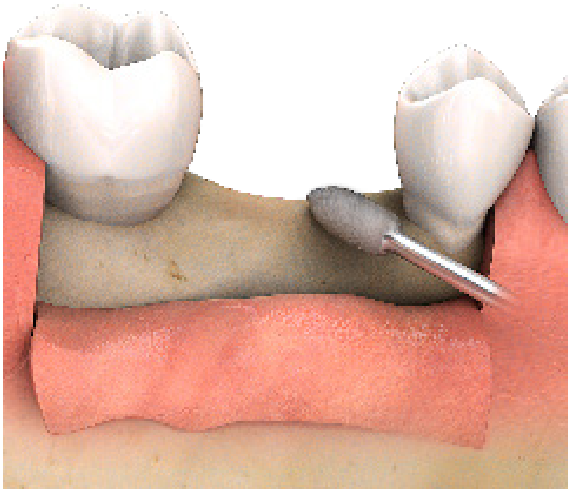
Preparation of the alveolar crest

Incise the gum and remove the flaps before regularising the crest.

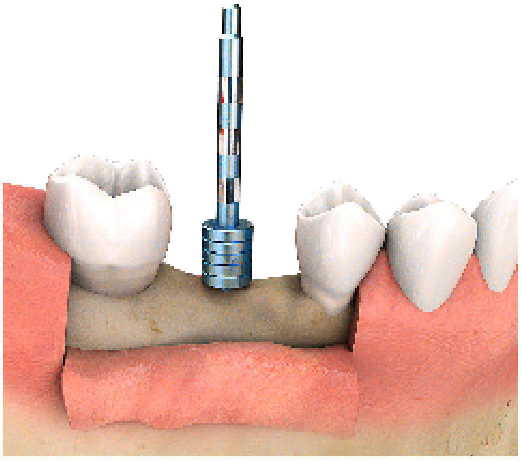


Smoothen the alveolar crest before fitting the implant. Create a flat surface around the area where the implant will be placed.

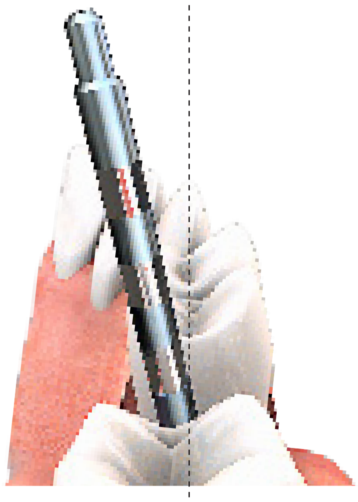
Begin the initial drilling hole right in the center of the mesiodistal space.



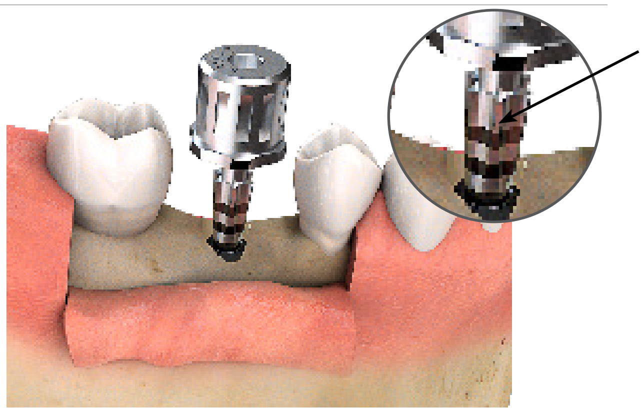
Check the position and depth of the drill hole.



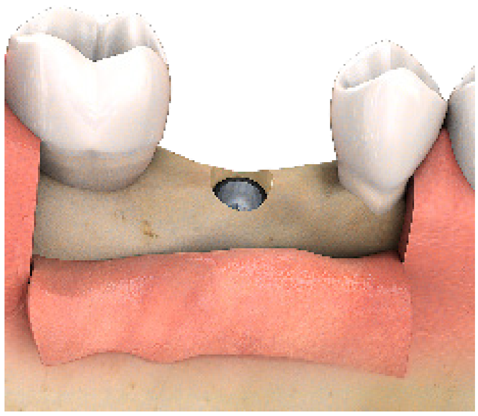
Example of the placement of an implant with a 15° axis correction.



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



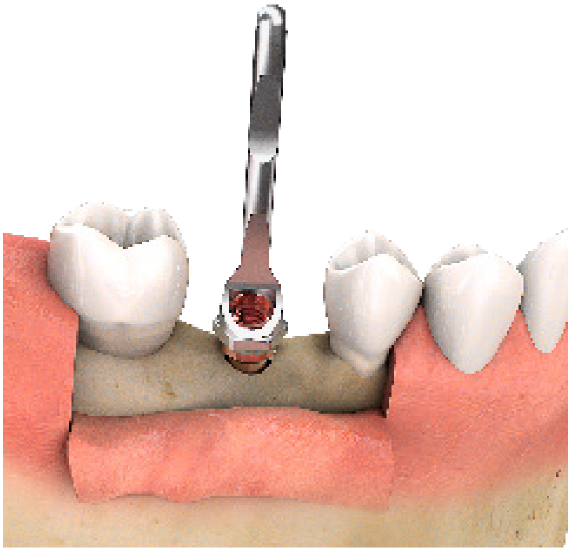
2 mm sub-crestal implant placement.

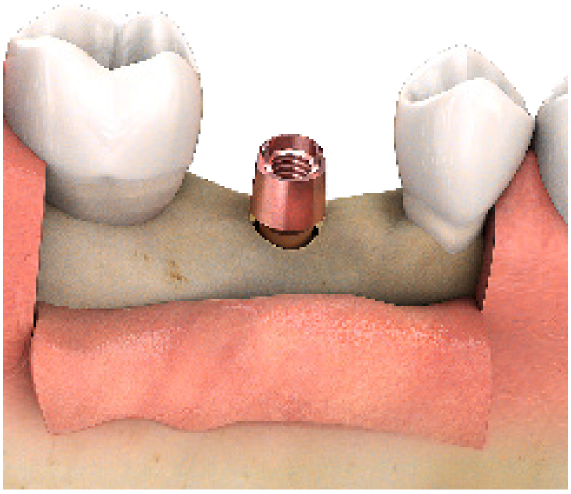


CHOOSING AND FITTING THE OMNIPOST ABUTMENT

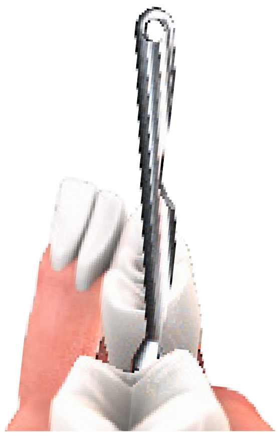
Select the transgingival height of the abutment according to the available gingival height. **The abutment can only be placed if the torque of the implant is equal to or greater than 30 N.cm.**

Otherwise, wait for osseointegration to move on to the next stages. Fit the OmniPost abutment using the IsoPost aligning cap (Ref. KCPARIP).





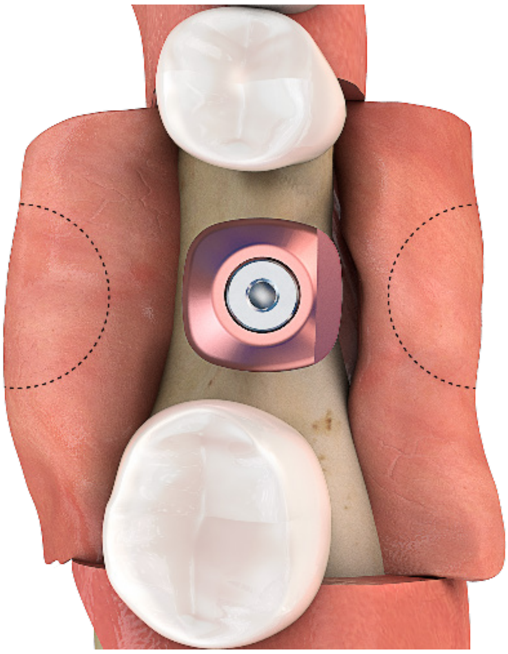
Check the axis correction in relation to the adjacent teeth.



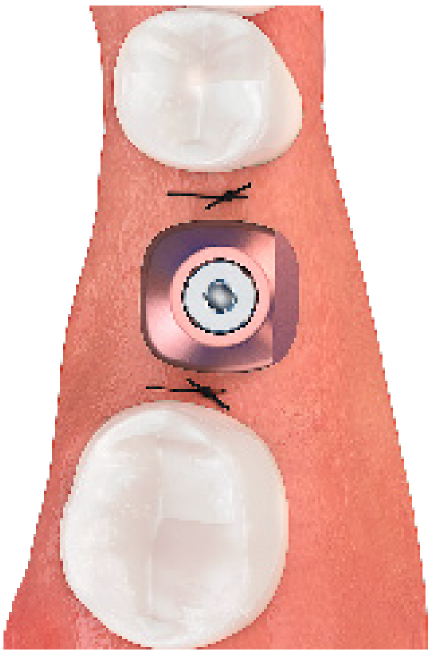
CHOOSING AND FITTING THE ANATOMICAL HEALING CAP

Position the flat section in the vestibular position. Evaluate whether the shape of the gum needs to be modified.

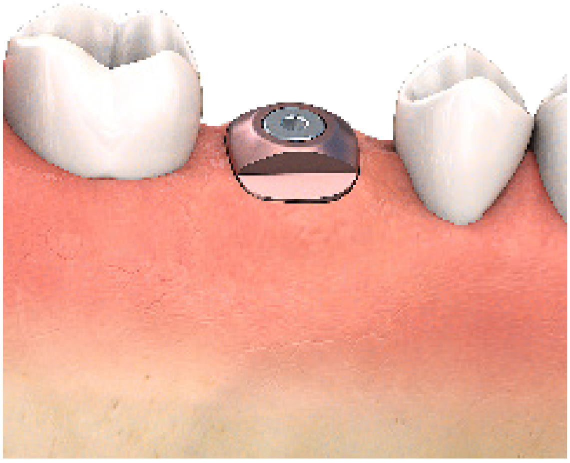
The anatomical healing caps are all indexed to the head of the abutment (six positions), so check that the indexing is done properly before screwing them in.



Sutures around the anatomical healing cap.



Final site before the prosthetic 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 prosthetic phase. It is preferable to wait between 4 and 8 weeks for the gum shape to stabilise.

IMPRESSION TAKEN DIRECTLY ON THE ANATOMIC HEALING CAP

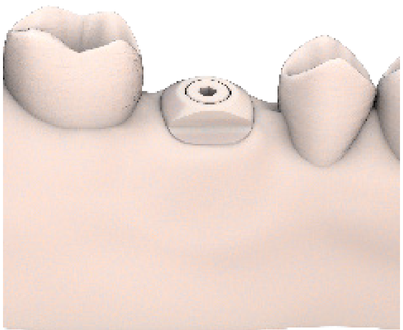
Digital impression taken using an optical camera

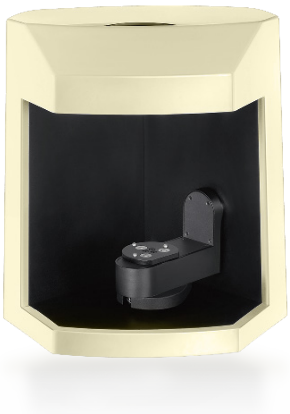
Clean the anatomical healing cap, check the tightening of the anatomical healing cap (10 N.cm) and take a digital impression with an optical camera.

Impression taking (closed tray) and digitisation using a laboratory scanner

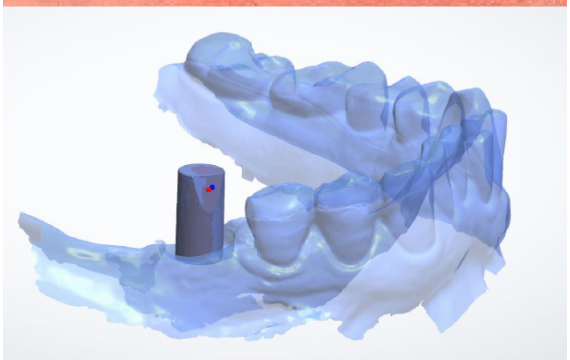
Take the impression (closed tray) directly on the anatomical healing cap, check the tightening of the screw and send it to the laboratory.

The plaster model of this impression will be digitised using a laboratory scanner.
The modelling software, based on the OmniPost library, will be able to recognise the shape of the healing cap that will be used as a scanbody.





IMPRESSION TAKING USING SCANBODY



Unscrew the healing cap.

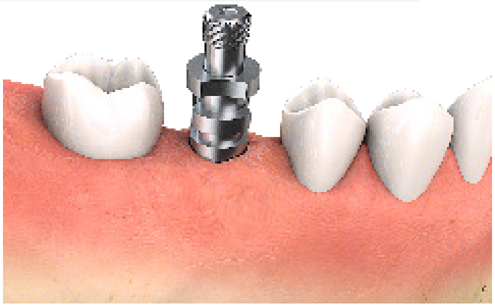
Clip the scanbody onto the Omnipost abutment and take the digital impression using an optical camera.

Most optical cameras require the scanbodies to be positioned with the flat section facing in the vestibular direction.

CONVENTIONAL IMPRESSION TAKING

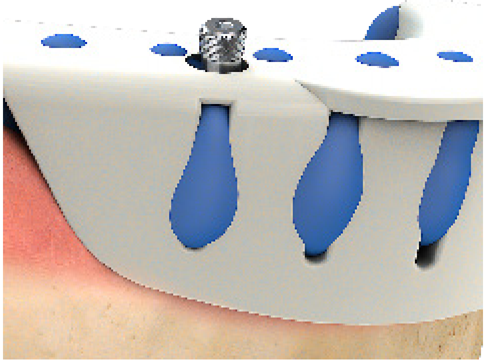
Open tray impression

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 prosthetist.



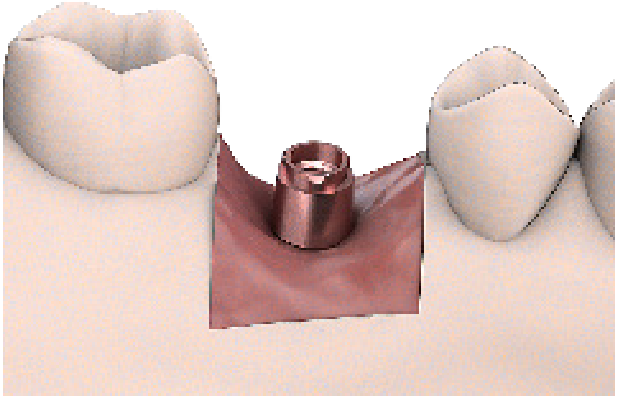
Closed tray impression

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.

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 prosthetist.

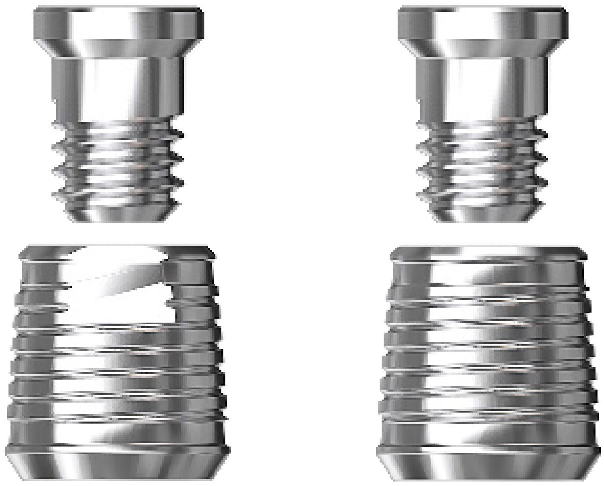
CREATION OF THE PROSTHETIC TOOTH

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



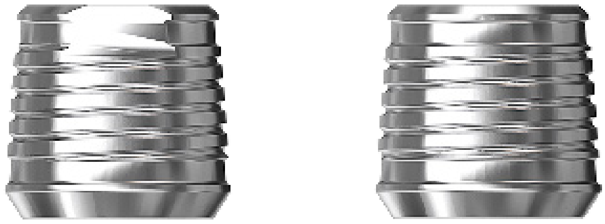
Choosing of the prosthetic cap: screw-retained or telescopic.

OMNIPOST SCREW-RETAINED



INDEXED NON-INDEXED

OMNIPOST TELESCOPIC

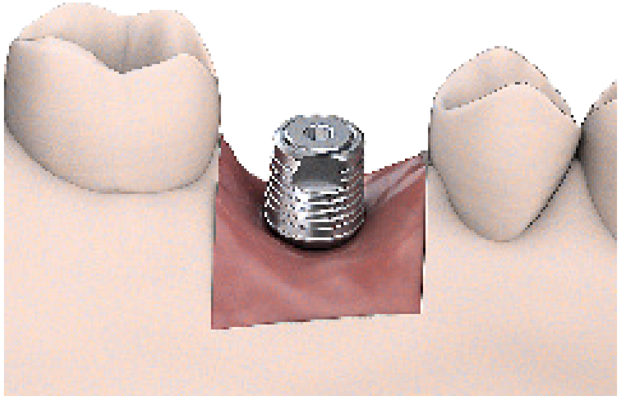


INDEXED NON-INDEXED

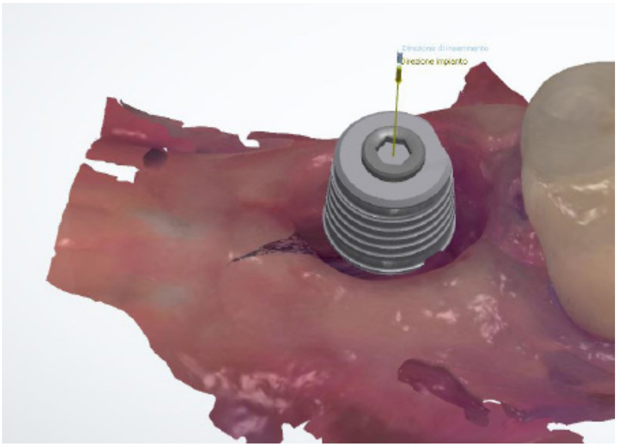
CREATION OF THE PROSTHETIC TOOTH ON A SCREW-RETAINED CAP

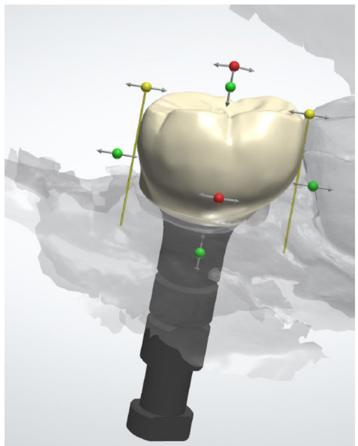
Fitting the screw-retained cap.

30 N.cm



CAD





Zirconia (CAM) machining.

Captive screw technique.

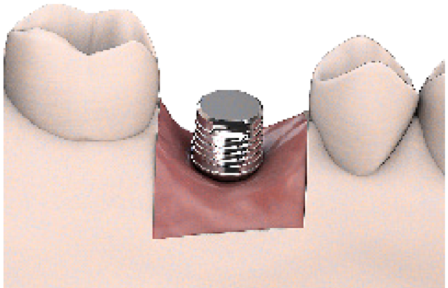
Placement of the cap on the abutment analog using the screw and cementing of the crown with a universal self-curing composite adhesive.
Once the crown is cemented in place, the screw is trapped between the cap and the crown which makes it a captive screw.

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

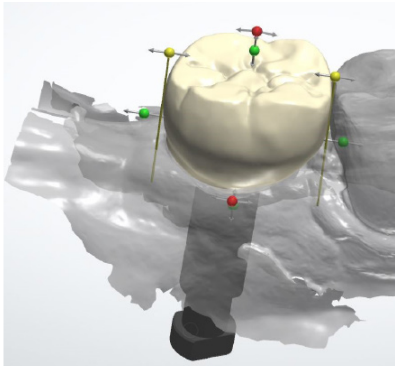
Screw the prosthesis in the mouth onto the OmniPost abutment. Tighten to 30 N.cm. Protect the screw head and fill in the access hole using a ceramic composite.

CREATION OF THE PROSTHETIC TOOTH ON A TELESCOPIC CAP

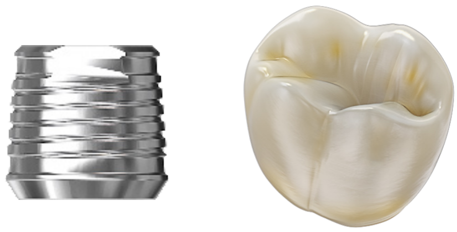
Choosing the telescopic cap: indexed or non-indexed depending on the type of prosthesis to be created (single or multiple).



CAD



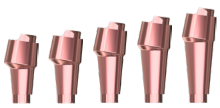
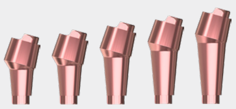
Zirconia (CAM) machining.



Cement the machined tooth to the cap.

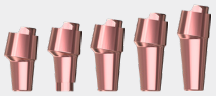
Place the prosthesis in the mouth on the OmniPost abutment.

INDEXED OMNIPOST ABUTMENTS STRAIGHT & ANGULATED

Torque		References	Descriptions	Angulations	Heights
20 N.cm		KPOP150	Straight indexed OmniPost abutments + KVP screw	0°	1.5 mm
		KPOP200			2 mm
		KPOP300			3 mm
		KPOP400			4 mm
		KPOP500			5 mm
20 N.cm		KPOPA75150	Angulated indexed OmniPost abutments + KVP screw	7.5°	1.5 mm
		KPOPA75200			2 mm
		KPOPA75300			3 mm
		KPOPA75400			4 mm
		KPOPA75500			5 mm
20 N.cm		KPOPA150150	Angulated indexed OmniPost abutments + KVP screw	15°	1.5 mm
		KPOPA150200			2 mm
		KPOPA150300			3 mm
		KPOPA150400			4 mm
		KPOPA150500			5 mm
20 N.cm		KPOPA200150	Angulated indexed Omnipost abutments + KVP screw	20°	1.5 mm
		KPOPA200200			2 mm
		KPOPA200300			3 mm
		KPOPA200400			4 mm
		KPOPA200500			5 mm

NON-INDEXED ANGULATED OMNIPOST ABUTMENTS / OMNIPOST CAPS

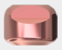
Angulated non-indexed OmniPost abutments

		References	Descriptions	Angulations	Heights
20 N.cm		KPOPA75150NI	Angulated non-indexed OmniPost abutments + KVP screw	7.5°	1.5 mm
		KPOPA75200NI			2 mm
		KPOPA75300NI			3 mm
		KPOPA75400NI			4 mm
		KPOPA75500NI			5 mm
20 N.cm		KPOPA150150NI	Angulated non-indexed OmniPost abutments + KVP screw	15°	1.5 mm
		KPOPA150200NI			2 mm
		KPOPA150300NI			3 mm
		KPOPA150400NI			4 mm
		KPOPA150500NI			5 mm
20 N.cm		KPOPA200150NI	Angulated non-indexed OmniPost abutments + KVP screw	20°	1.5 mm
		KPOPA200200NI			2 mm
		KPOPA200300NI			3 mm
		KPOPA200400NI			4 mm
		KPOPA200500NI			5 mm

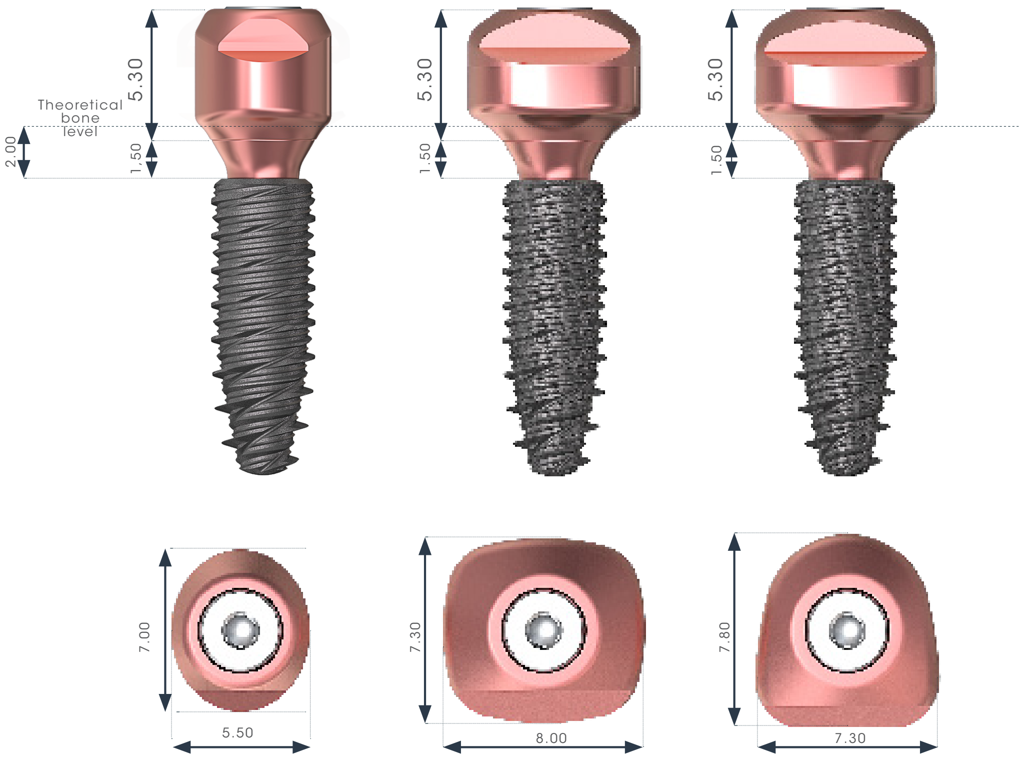
OmniPost caps

		References	Descriptions
		KPOPCT	Telescopic OmniPost cap
		KPOPCTNI	Non-indexed OmniPost telescopic cap
30 N.cm		KPOPCTV	OmniPost screw-retained cap + KPOPVCTV screw
30 N.cm		KPOPCTVNI	Non-indexed OmniPost screw-retained cap + KPOPVCTV screw
		KPOPVCTV	OmniPost cap transfixation screw

OMNIPOST ANATOMICAL HEALING CAPS

	References	Descriptions
	KPOPCC	OmniPost anatomical healing cap + KPOPVCTV screw
	KPOPCCMD	OmniPost mandibular molar anatomical healing cap + KPOPVCTV screw
	KPOPCCMX	OmniPost maxillary molar anatomical healing cap + KPOPVCTV screw

UNIVERSAL | **MANDIBULAR MOLAR** | **MAXILLARY MOLAR**



Ref.: **KPOPCC**

Ref.: **KPOPCCMD**

Ref.: **KPOPCCMX**

Technical characteristics of the anatomical healing caps

3 healing caps in pink anodised titanium:

- Maxillary molar shape
- Mandibular molar shape
- Universal shape for premolars

10 N.cm

10 N.cm tightening healing part

PICK UP & POP UP OMNIPOST TRANSFERS / ANALOGS & OMNIPOST SCANBODY

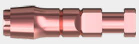
Pop up OmniPost transfer

	Reference	Description
	KPOPTPI	Pop up OmniPost transfer + KPOPVTPI screw

Pick up OmniPost transfer

	Reference	Description
	KPOPVTPO	Pick up OmniPost transfer + KPOPVTPO screw

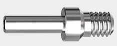
Analog for OmniPost abutments

	Reference	Description
	KDOP	Analog for OmniPost abutments

ScanBody OmniPost

	Reference	Description
	KPOPSCANP	PEEK scanbody for OmniPost abutment

OmniPost laboratory screw

	Reference	Description
	KPOPVCTVL	OmniPost laboratory screw

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