

English edition / September 2026

Implant prosthetics

iCervico product catalog

i-base

The only scannable* abutment.



* Patented

Ø4.5 mm / PCA

System overview

The i-base is designed to stay in place from surgery through the final restoration. Healing, scanning and prosthetic delivery take place at abutment level.

Abutment-level restoration

One head geometry brings the clinical and laboratory stages together, irrespective of the size of the compatible implant.

This edition covers the Ø4.5 mm i-base for Paltop conical connection (PCA) implants.

100%

Digital restorative workflow

Direct scanning, native CAD libraries and abutment-level delivery.

- 03 The system
- 04 The i-base & options
- 06 Healers, shapes & selection
- 10 Sleeves, screws & lab components
- 12 iCervico concept
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- 17 Multiple unit restoration
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- 22 Torque & ordering references

The i-base remains seated during healing, scanning and prosthetic delivery.

<1%* **Screw loosening reported.**
* Preliminary data. The associated scientific publication is in preparation.

System components



01 / 04

i-base

The permanent reference for every restorative stage.



02 / 06

Healers

Anatomic tissue shaping, with free orientation.



03 / 10

AR / R sleeves

The titanium interface for single or multiple units.



04 / 11

UBH30 screw

M1.6 retention with up to 30° screw-channel correction.



05 / 11

Dual analog

One lab analog for printed and stone models.



06 / 11

Impression posts

Digital and conventional capture options.

i-base



Ø4.5 mm / PCA
35 Ncm tightening torque

01

Scan the abutment

Four scan surfaces on the quad top provide the digital reference.

02

A broad prosthetic interface

An enlarged contact area distributes load at the restorative connection.

03

Quad geometry, 10° bevel

A defined seating geometry guides the prosthetic fit.

04

15° emergence shoulder

A concave shoulder shapes the transgingival transition.

05

One-piece construction

A chimney-free body keeps the abutment design compact.

06

Adapt the cuff height

Three heights and a 30° angulated option share one head geometry.

i-base heights and angulation

Match the i-base to implant depth and the planned tissue height. All four options use the same restorative head geometry.



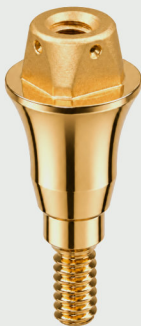
H 1.5 mm

5213006652684



H 2.5 mm

5213006652691



H 3.5 mm

5213006652509



30° angulated

5213006652493

Specification	Straight i-base	Angulated i-base
Connection	Paltop conical (PCA)	Paltop conical (PCA)
Restorative platform	Ø4.5 mm	Ø4.5 mm
Cuff height / angle	1.5 / 2.5 / 3.5 mm	30°
Tightening torque	35 Ncm	35 Ncm
Driver	iCervico 18 / 25 mm or PEEK hand ratchet	Standard 1.25 mm hex

Plan the angulation. Up to 30° screw-channel correction is available with the UBH30 screw and short sleeve; the 30° i-base allows up to 60° total correction in the applicable configuration.

Healers



360°

Free orientation

Rotate the Healer on the i-base independently of the implant connection.

25 Ncm

Tightening torque on the i-base

Anatomical choice

Anterior, premolar, lower molar and upper molar profiles. Small, medium and large; centered and off-center options.

Chairside flexibility

Biocompatible printed resin supports chairside modification. Cylindrical options are available in 6 and 7 mm.

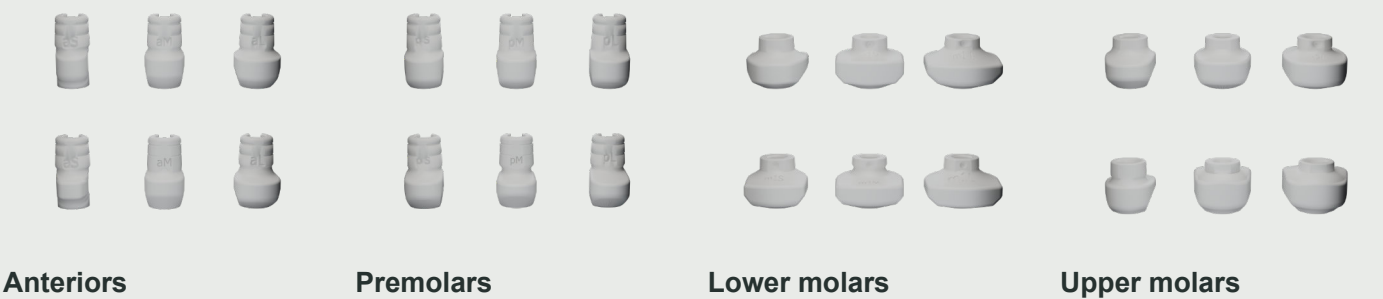
+50–100%

Ridge-width increase reported

Within the first millimetre below the free gingival margin. Preliminary manufacturer-reported data from an ongoing multicenter study; results are not yet published.

Single-use components. Item numbers / 07. Centered and offset profiles / 08–09.

Healer selection



Profile / position	Small	Medium	Large
Anteriors Centered	5213006653179	5213006653193	5213006653209
Anteriors Off-center	5213006653391	5213006653292	5213006653308
Premolars Centered	5213006653186	5213006653216	5213006653223
Premolars Off-center	5213006653407	5213006653315	5213006653322
Lower molars Centered	5213006653230	5213006653247	5213006653254
Lower molars Off-center	5213006653339	5213006653346	5213006653353
Upper molars Centered	5213006653261	5213006653278	5213006653285
Upper molars Off-center	5213006653360	5213006653377	5213006653384

Cylindrical options

Diameter	6 mm	7 mm
Item number	5213006653155	5213006653162

Side and top views: centered / 08; offset / 09.

Centered profiles

Side and top views / small, medium and large. Anatomical families and cylindrical options.

Anteriors

					
aS	5213006653179	aM	5213006653193	aL	5213006653209

Premolars

					
pS	5213006653186	pM	5213006653216	pL	5213006653223

Lower molars

					
m1S	5213006653230	m1M	5213006653247	m1L	5213006653254

Upper molars

					
m2S	5213006653261	m2M	5213006653278	m2L	5213006653285

Cylindrical

6 and 7 mm

			
6 mm	5213006653155	7 mm	5213006653162

Offset profiles

Side and top views / small, medium and large. Offset corresponds to “Off-center” in the ordering matrix.

Anteriors

					
aS offset	5213006653391	aM offset	5213006653292	aL offset	5213006653308

Premolars

					
pS offset	5213006653407	pM offset	5213006653315	pL offset	5213006653322

Lower molars

					
m1S offset	5213006653339	m1M offset	5213006653346	m1L offset	5213006653353

Upper molars

					
m2S offset	5213006653360	m2M offset	5213006653377	m2L offset	5213006653384

Compare centered profiles / 08. Complete ordering matrix / 07.
Product views are enlarged for selection and are not a dimensional drawing.

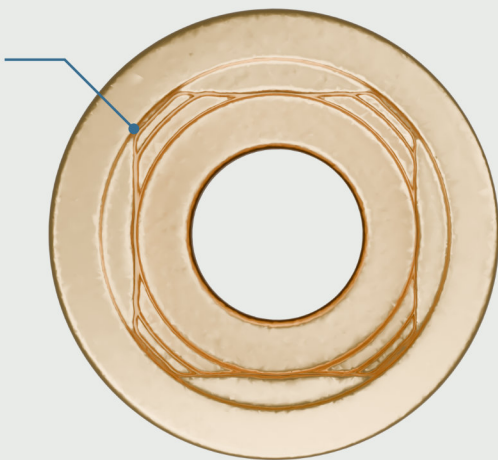
AR and R sleeves

The connection on the underside determines how the sleeve engages the i-base.

AR

Single unit

Anti-rotational connection



Quad socket

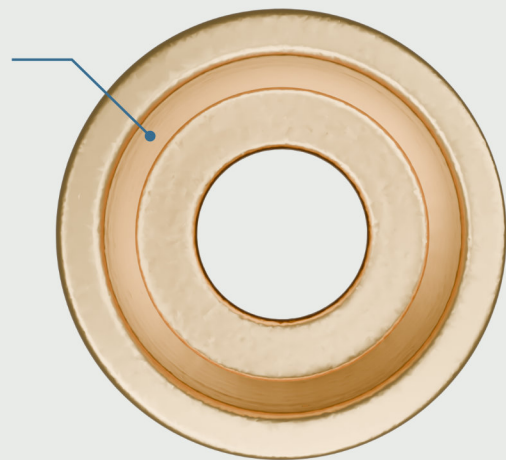
The keyed bottom registers the i-base position and prevents rotation of the seated single unit restoration.

The AR-sleeve also serves as a scan post to transfer the i-base orientation.

R

Multiple units

Rotational connection



Circular socket

The circular bottom allows rotational positioning and supports a shared path of insertion for multiple unit restorations.

Use the R-sleeve for bridges and custom chairside Healers.



Long and short options

Cement the titanium sleeve into the prosthesis extraorally. Use the supplied height or cut at the embedded mark. Both options are included in the CAD libraries.

30 Ncm

Prosthesis tightening torque

Underside views

Connection faces shown above

Retention and impression components



UBH30 retention screw

M1.6, 5.1 mm long. Supports up to 30° screw-channel correction through a 360° direction envelope.

5213006652608



Dual analog

One analog across the i-base options, for printed and conventional stone models.

5213006652592



Impression posts

Scannable and conventional posts for single and multiple units, open or closed tray.

Digital 5213006652486

Analog 5213006652479

Standard retention screw

Ti6Al4V alloy, M1.6 × 0.35. A separate component from the UBH30 screw shown above.

5213006652738

Driver selection

Select the driver for the component being seated. i-base installation and prosthesis retention use different instruments.

[Torque & driver reference / 22 →](#)

Impression posts use the included hand-tightened screw. Complete component and instrument item numbers are listed on page 23.

iCervico concept

The i-base remains seated. Healing, capture and restoration take place at abutment level.



The seated i-base

Anatomical healing

Screw-retained restoration

01 / Placement

Establish the reference

Seat the i-base at placement or uncover. Select the cuff height and tighten to 35 Ncm.

02 / Healing

Develop the emergence

Orient and secure a prefabricated or custom Healer. The tightening torque is 25 Ncm.

03 / Capture

Transfer the geometry

Scan the i-base, use an AR-sleeve or scannable post, or take a conventional impression.

04 / Restoration

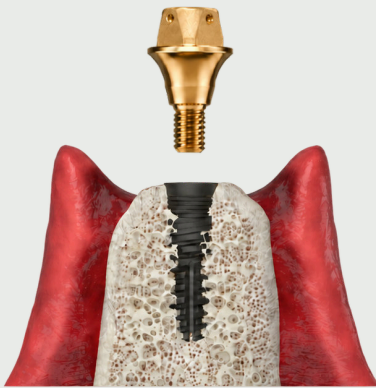
Deliver at abutment level

Design through the iCervico libraries. Seat the final restoration at 30 Ncm.

[Surgical workflow / 13](#) [Impression techniques / 14–15](#) [Single unit / 16](#) [Multiple units / 17](#)

Surgical workflow

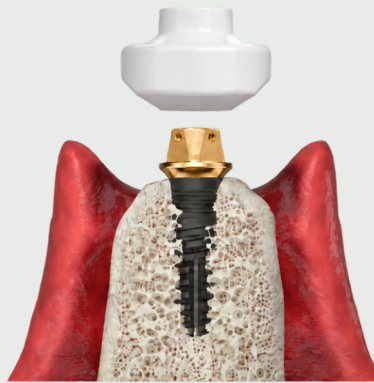
Place the i-base at implant placement or uncover. Select the Healer profile and size for the planned emergence.



01

Seat the i-base

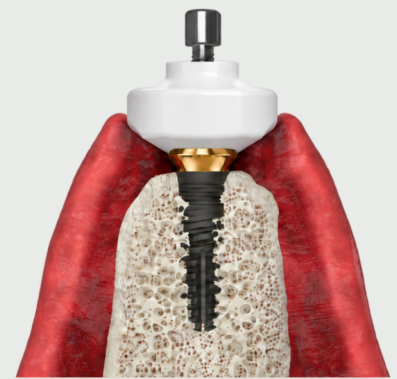
Choose the cuff height. Seat the i-base with the compatible driver and tighten to 35 Ncm.



02

Orient the Healer

Seat the selected Healer and rotate it freely to align the anatomical profile.



03

Secure the profile

Tighten the retention screw to 25 Ncm. The i-base stays in place throughout healing.



Between appointments

Re-seat the Healer after scanning, impressions and try-ins, until prosthesis delivery. For multiple units, maintain the profile at each site.

35 Ncm

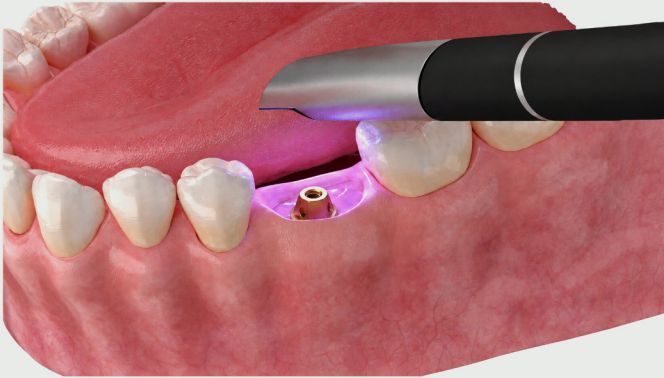
i-base to implant

25 Ncm

Healer to i-base

Digital impressions

Select the capture geometry before choosing the matching CAD library. The scan can register the i-base directly or through a seated scan component.



01

Direct i-base scan

Remove the Healer and capture the quad head, surrounding tissue and arch. The matte head provides the reference.



02

Component-assisted scan

Seat an AR-sleeve or scannable impression post. Capture its external geometry and use the corresponding library.



Complete the scan record

Include the restorative arch, soft tissue, selected scan reference, opposing arch and occlusion. Identify the intended restorative route for the laboratory.

JawSoft tissueScan post

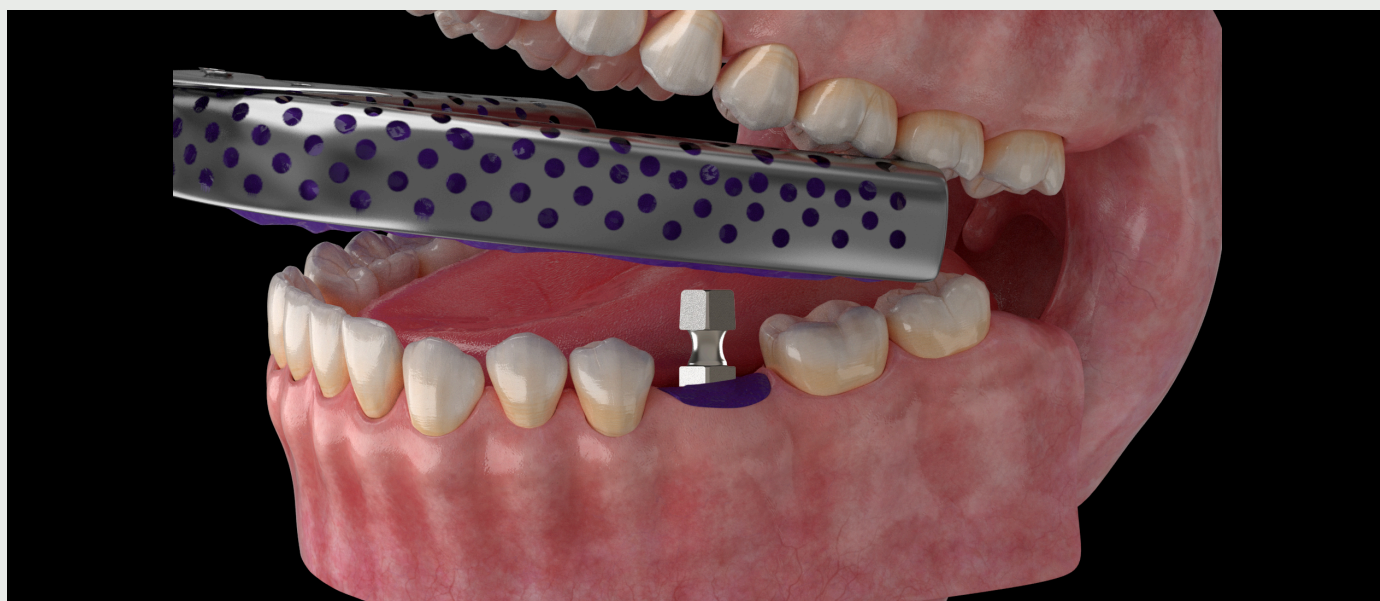
Re-seat the Healer after capture.

Tighten to 25 Ncm between visits. The i-base remains seated throughout the restorative sequence.

An AR-sleeve transfers the anti-rotational position of the i-base. An R-sleeve does not provide the same orientation reference.

Conventional impressions

Use the impression post and impression screw to transfer the i-base position. The selected tray technique determines how the post is released and transferred.



Impression post and screw / conventional tray impression

Open tray / pick-up

- 1. Seat and record.** Seat the post with its impression screw. Provide access to the screw head through the tray and take the impression.
- 2. Release before removal.** After the material sets, release the screw through the opening. Remove the impression with the post retained in it.
- 3. Connect the analog.** Attach the dual analog to the retained post, preserving its position in the impression.

Closed tray / transfer

- 1. Seat and record.** Use the post and screw configuration intended for closed-tray transfer. Record the post and surrounding tissue.
- 2. Transfer after removal.** Remove the impression, then remove the post from the i-base and connect it to the dual analog.
- 3. Reposition accurately.** Return the post–analog assembly to its indexed position in the impression before model fabrication.

Re-seat the Healer after the impression. The dual analog reproduces the i-base reference in conventional stone and printed models.

Follow the component configuration and instructions for the selected tray technique.

Single unit restorations

The i-base remains seated from provisional restoration to the final crown.

Provisional restorations

Temporary restorations can be made directly on the i-base, without a sleeve, to reduce the cost of treatment.

[Digital impressions / 14](#) · [Conventional impressions / 15](#)

Final restorations

Final single unit restorations should be made on an AR-sleeve. Select the long or short sleeve geometry in the single unit library and fabricate the crown. Cement the AR-sleeve into the crown extraorally.



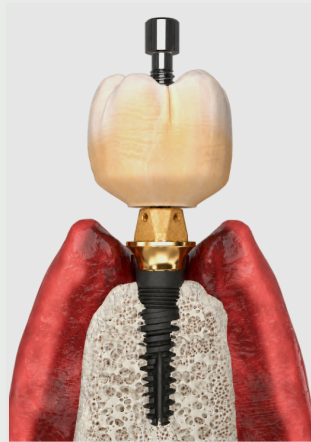
Final crown delivery



01

Remove the Healer

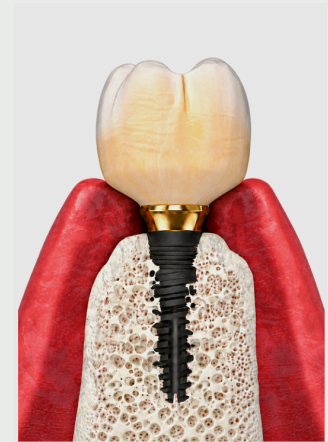
Expose the seated i-base for restoration delivery.



02

Seat the crown

Seat the screw-retained crown on the i-base.



03

Secure the restoration

Tighten the prosthetic retention screw to 30 Ncm.

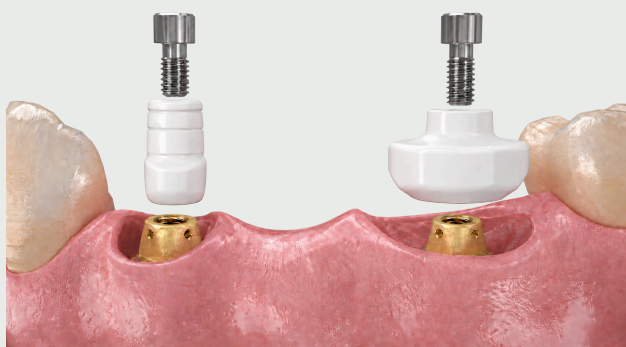
Screw-channel correction

Use the short sleeve with the UBH30 screw for correction up to 30°.

Re-seat the Healer at 25 Ncm between appointments. [Digital libraries / 19](#).

Multiple unit restorations

The i-base remains the reference at each site, from tissue shaping through capture and delivery.



01

Prepare the sites

After healing, remove the Healers and capture the i-bases. Choose direct scanning, scan components or conventional transfer.



02

Design on R-sleeves

Select multiple units and the long or short R-sleeve geometry. Cement the sleeves into the prosthesis extraorally.



Deliver at abutment level

Seat the screw-retained bridge or bar and tighten each prosthetic retention screw to 30 Ncm. The i-bases remain seated.

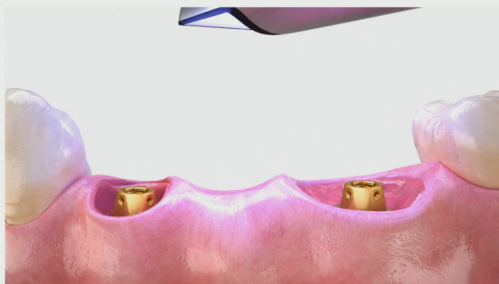
The laboratory workflow supports provisional and final restorations.

Maintain the emergence profile.

Re-seat the Healers between impression, try-in and delivery appointments.

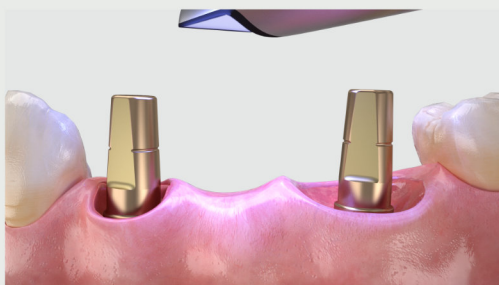
Multiple unit transfer

Preserve the relationship between the i-bases across the span. Choose the capture route and its corresponding laboratory reference.

**A**

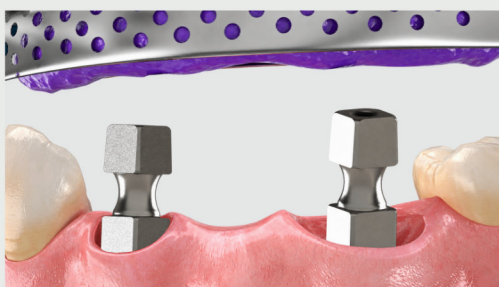
Direct digital capture

Remove the Healers and scan the i-base heads across the arch. Include the opposing arch and occlusal record.

**B**

Component-assisted capture

Seat AR-sleeves or scannable impression posts and select the matching library geometry.

**C**

Conventional transfer

Seat the impression posts with their impression screws and record the span. Transfer the positions to the laboratory using the selected tray technique.

AR for scan orientation

The AR-sleeve transfers the anti-rotational position of each i-base.

R for the final span

The R-sleeve provides rotational freedom for the multiple unit prosthesis.

Replace the Healers after capture. Select multiple units and the intended R-sleeve geometry in the laboratory library.

Digital libraries

iCervico component and teeth libraries for Exocad and 3Shape connect the captured geometry to the restoration design.

exocad + 3Shape

Single unit

Anti-rotational geometry.

- On an AR-sleeve, long or short
- Directly on the i-base
- Screw-cemented or screw-retained

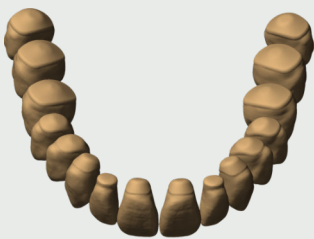
Multiple units

Rotational geometry.

- On an R-sleeve, long or short
- Directly on the i-base
- Screw-cemented or screw-retained

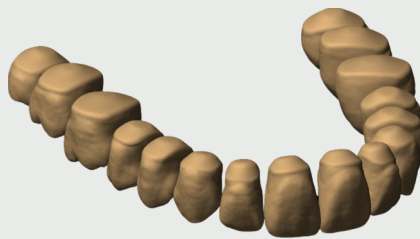
Cervical profiles

Teeth libraries complement the Healer profiles.



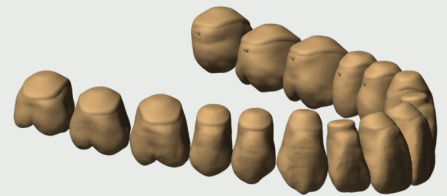
01

Ovoid



02

Rectangular



03

Triangular

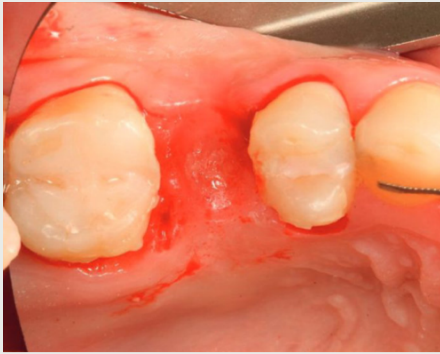
[Request the current release](#)

icervico.com/libraries ↗

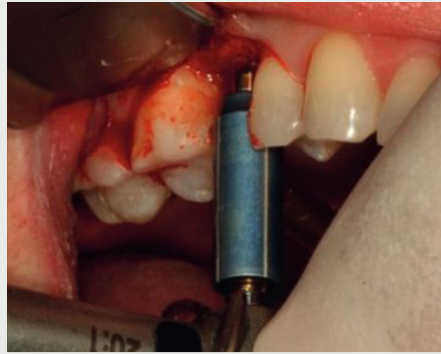
Component libraries include i-base variants, Healers, sleeves, retention screws, dual analog and calibration files.

Clinical case: implant placement

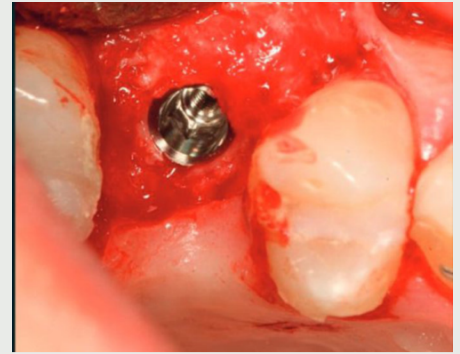
The patient presented three months after ridge augmentation. A PCA implant and a 1.5 mm cuff-height i-base were selected.



01 Healed site, occlusal view.



02 Pilot drill positioning.

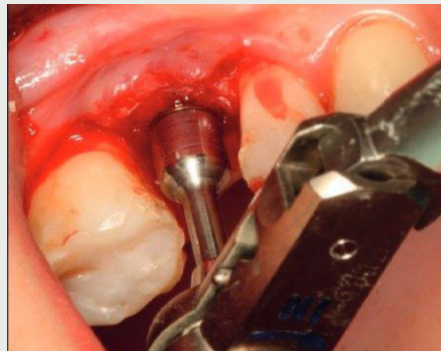


03 PCA implant in place.

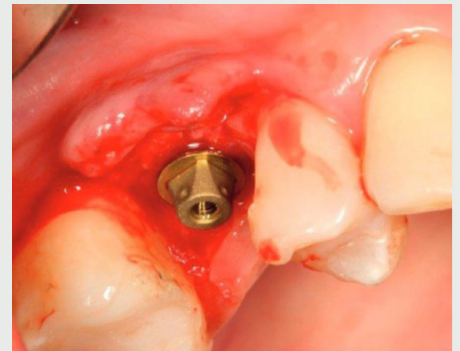
01–03 The VPI pilot drill located the center of the osteotomy. The case report describes primary stability at implant placement.



04 Antiseptic gel on the i-base.



05 Tightening torque: 35 Ncm.



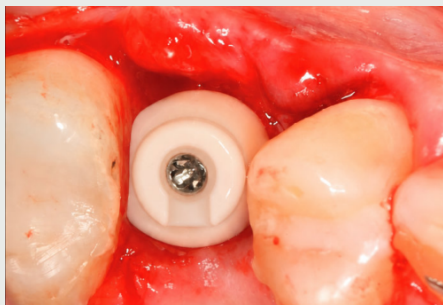
06 The seated i-base.

04–06 The selected i-base was coated with antiseptic gel, seated and tightened. It remained in place for subsequent healing and restoration.

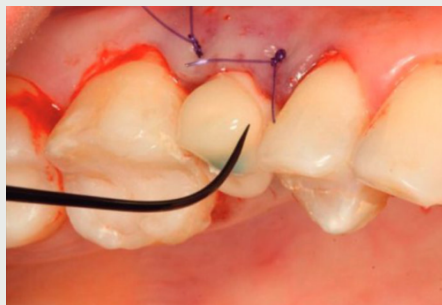
Clinical contributors

Dr. Ioannis Vergoullis / implant specialist
Dr. Marietta Kalogirou / restorative dentist
Dimitris Liolios / lab technician

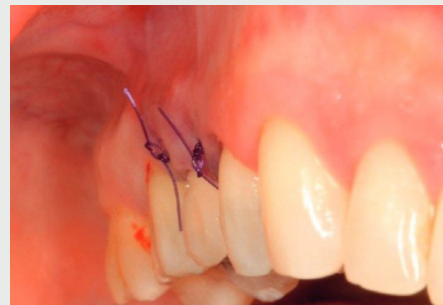
Clinical case: restoration



07 Current small premolar Healer. Case illustration.



08 Immediate provisional.



09 Buccal view at suturing.

The centered small premolar Healer was oriented, adjusted distally and secured at 25 Ncm. An immediate resin provisional was built on the profiler.



10 Emergence profile at three weeks.



11 AR-sleeve ready for scanning.

At three weeks, the Healer was removed and the AR-sleeve seated for digital capture. The i-base remained undisturbed.



12 Final restoration in occlusion.



13 Final crown, occlusal view.

Individual outcomes vary. Image 07 is an illustration based on the VPI iCervico clinical case, showing the current Healer shape. Other photographs and the case sequence are credited to the contributors on page 20.

Torque and driver compatibility

35 Ncm
i-base

25 Ncm
Healers

30 Ncm
AR / R sleeves

Component	Torque	Compatible driver
Straight i-base Ø4.5 mm PCA / H1.5, H2.5, H3.5	35 Ncm	iCervico screwdriver, 18 or 25 mm; iCervico hand ratchet (PEEK)
30° angulated i-base	35 Ncm	Standard 1.25 mm hex screwdriver
iCervico Healers	25 Ncm	UBH30 screwdriver L18 / L25 / L32 mm
AR-sleeve / R-sleeve Prosthesis seating	30 Ncm	UBH30 screwdriver L18 / L25 / L32 mm
Impression posts Conventional and scannable	Hand-tight	Included screw

Before applying torque

Confirm clean components, correct seating and stable fit. Use a calibrated torque wrench. Never exceed the specified value; follow the compatible implant manufacturer’s guidance.

Source: VPI torque specifications and component compatibility. Ncm = newton-centimetres. Consult the current instructions for use before clinical application.

Ordering reference

Component	VPI item number
i-base / PCA / H1.5 mm / with retention screw	5213006652684
i-base / PCA / H2.5 mm / with retention screw	5213006652691
i-base / PCA / H3.5 mm / with retention screw	5213006652509
i-base / PCA / 30° angulated	5213006652493
AR-sleeve / with screw	5213006652707
R-sleeve / with screw	5213006652714
Retention screw / Ti / M1.6 × 0.35	5213006652738
UBH30 screw / M1.6 / L5.1 mm	5213006652608
Scannable impression post	5213006652486
Conventional impression post	5213006652479
Dual analog / digital and conventional model	5213006652592

Instruments

Instrument	VPI item number
iCervico screwdriver / short 18 mm	5213006652554
iCervico screwdriver / long 25 mm	5213006652721
Hand ratchet / PEEK	5213006652547
UBH screwdriver / L18 mm	5213006652561
UBH screwdriver / L25 mm	5213006652578
UBH30 handler	5213006652462

Healers / page 07 Anatomical and cylindrical item numbers are listed in the selection matrix. Pricing and availability on request.

Ordering data: VPI distributor pricelist, 26 August 2025. Instrument names in this table reproduce the ordering source; confirm compatibility using the current instructions for use.

iCervico

Product information and support

01

UBH30 screw

Enters through the top of the sleeve.

02

AR-sleeve

Anti-rotational interface.
Quad socket faces the i-base.

03

i-base

The abutment-level interface.

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