

# CEKA ATTACHMENTS PRECI-LINE

CEKA REVAX®





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# SIZE & APPLICATIONS

## M2 & M3

The CEKA REVAX attachments are available in two sizes, the M2 and the M3. The diameter of the threaded base is either 2 mm (M2 size) or 3 mm (M3 size).

Select the larger M3 size whenever there is adequate space as it is stronger and easier to work with.

Select the smaller M2 size when there is limited size to maintain proper anatomical contours and space.



# EXTRACORONAL APPLICATIONS

## SELECTION CRITERIA

### THREE INCLINATIONS OF THE FEMALE

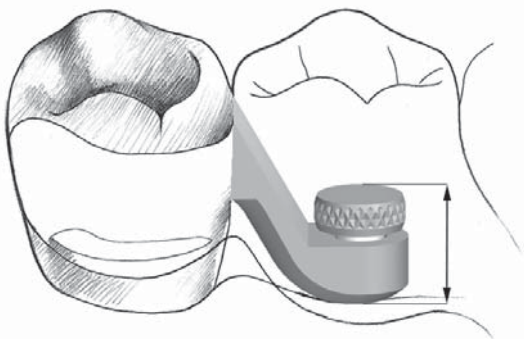


The extracoronal CEKA REVAX attachments are supplied with three (30°, 45° and 60°) different angled burnout patterns.

Select the angled burnout pattern that best fits the abutment and tissue configurations.

This will provide additional vertical space for the denture teeth and improve esthetics.

The lower positioning of the pattern in slight tissue contact is periodontally easier to maintain.



## POSITIONING THE FEMALE

The shape of the female pattern is designed to improve oral hygiene and esthetics.

- 1 Position with respect to the abutment crown**  
The connection is at the contact zone.
- 2 Position with respect to the papilla**  
The female profile is selected to provide adequate access to the papilla for optimum oral hygiene.
- 3 Position with respect to the gingiva**  
A passive point contact with the ridge is recommended to avoid tissue proliferation and to increase the available vertical space.
- 4 Esthetic position**  
The connection arm is narrowed buccally to provide a natural transition to the removable prosthesis.
- 5 Position with respect to the alveolar ridge**  
The female must be orientated towards the centre of the alveolar ridge.





## SELECTING THE FEMALE



There are three options to choose from.

They vary according to the preferred working procedure and the choice of the cast alloy.



The green profile with titanium female for the bonding technique (CEKA SITE). Use with any dental alloy.  
-See page 8.-



The blue profile for assembling with the NOPRAX female for the cast-on technique with non-precious alloys.  
-See page 10.-



The orange profile for assembling with the IRAX female for the cast-on technique with precious alloys.  
-See page 10.-

Combine with any processing technique for the male.



## SELECTING THE MALE



There are three options to choose from.

They vary according to the preferred working procedure.



### **Bonding technique**

For use with CEKA SITE.

-See page 12.-



### **Acrylic fixation**

A simple and inexpensive technique.

-See page 14.-



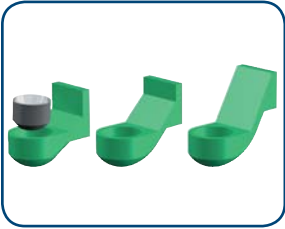
### **Soldering technique**

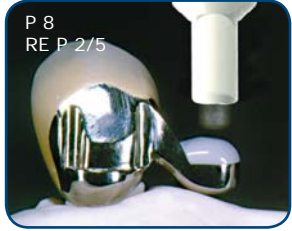
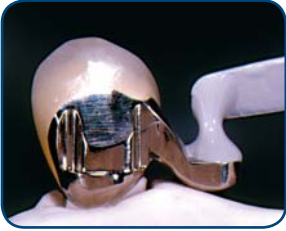
For use with CEKA SOL.

-See page 16.-

Combine with any processing technique for the female.

# THE GREEN PROGRAMME





**The green programme with TITANAX precision female can be used with any dental alloy.**

Select the ideal female profile according to the anatomy of the ridge. Use the P 7 paralleling mandrel for the M3 size or the RE P 7 for the M2 size. Create a lingual shoulder.

Adjust the female profile to the correct size and shape for the individual situation (see pages 5 and 6).

Reduce the labial aspect of the connecting arm for optimal esthetics.

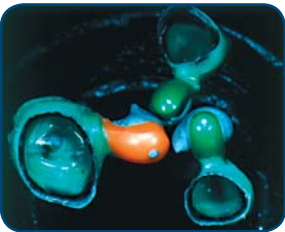
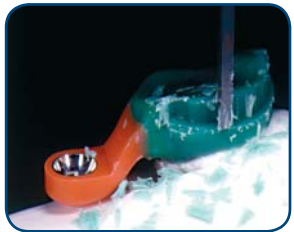
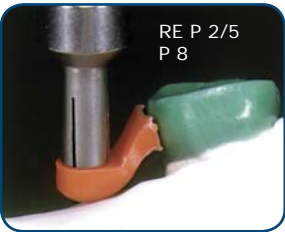
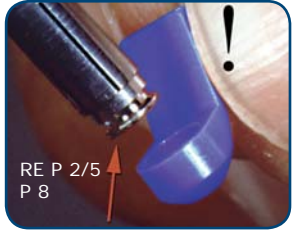
Position the plastic pattern on the crest with a passive contact and maintain an accessible and natural papilla. Sectional investing recommended. Cast, fire porcelain and glaze.

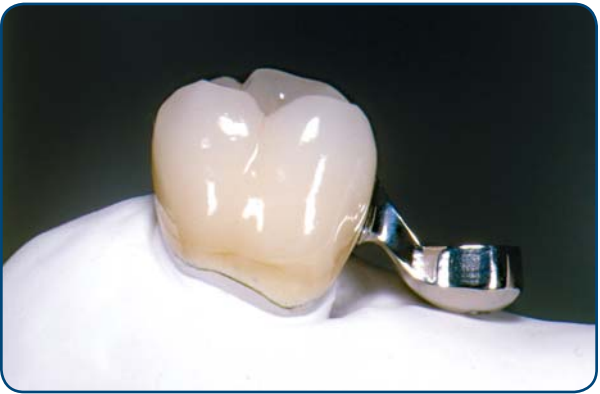
Place the titanium female onto the P 8 or RE P 2/5 paralleling mandrel and sandblast with coarse aluminium oxide. Sandblast also the receptacle of the female profile.

Mix CEKA SITE (see page 35). Incorporate the titanium female into the female profile.

Hold for 10 minutes. Remove any excess CEKA SITE. Be sure to make a new mixture of CEKA SITE for each use. The excess material on the mixing pad will not have set up, but the working time will have expired.

# THE BLUE & ORANGE PROGRAMME





**The blue or orange programme is used for the cast-on technique.**



**Use the blue profile for non-precious alloys.**



**Use the orange profile for precious alloys.**

Select the ideal female profile according to the anatomy of the ridge. Use the P 8 or RE P 2/5 paralleling mandrel (for M2 & M3 size) to incorporate the precision female into the selected profile. When assembling the cast-on female, the red/blue marking must be down.

Adjust the female profile to the correct size and shape for the individual situation (see pages 5 and 6).

Reduce the labial aspect of the connecting arm for optimal esthetics.

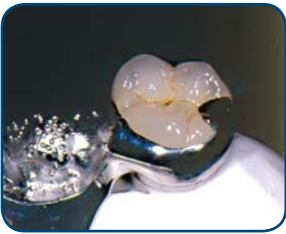
Position the female on the crest with a passive contact.

Create a lingual shoulder.

Sectional investing recommended. Fire porcelain and glaze.

# THE BONDING TECHNIQUE





Insert the green (M3 size) or orange (M2 size) duplicating dummy **together with the space maintainer** into the female on the master model. Cover the inclined arm with a thin layer of wax and block out all undercuts.

Make sure that the undercut of the duplicating dummy is reproduced in the refractory model (see arrow). Wax up the frame, covering the attachment completely. Cast and finish the frame. Use the RE H 20 diamond burr to remove artifacts in the cavity.

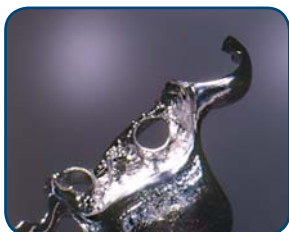
The RE H 10 carbide burr is a handy instrument to finish the inside of the metal sleeve (the stop will preserve the retentive ledge).

Sandblast the retention part with coarse aluminium oxide; the H 16 (M3 size) or RE H 16 (M2 size) can be used as a holding instrument.

Sandblast also the cavity in the frame for improved adhesion of the composite. Assemble the sandblasted retention part with the male spring pin and the space maintainer and snap this assembly into the female. Mix CEKA SITE (see page 35) and apply it into the frame. Seat the frame and hold for 10 minutes. Remove any excess CEKA SITE and polish the cavity. Be sure to make a new mix of CEKA SITE for each use. The excess material on the mixing pad will not have set up, but the working time will have expired.

Lock the threads of the male spring pin with CEKA BOND (see page 34).

# ACRYLIC FIXATION





Cover the inclined arm with a thin layer of wax, fill the female with wax and prepare for duplication.

Wax up the frame.

Surround the female with wax and leave the occlusal aspect of the female uncovered.

Cast and finish the frame.

Assemble the retention part with the male spring pin **and the space maintainer**.

Press the assembled male into the female on the master cast.

The wing of the retention part may be bent, if necessary.

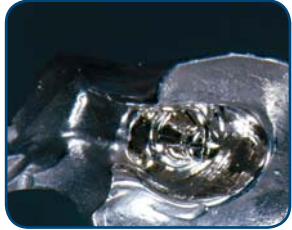
Lock the threads of the male spring pin with CEKA BOND (see page 34).

The retention part is available for either winged or circular acrylic fixation.



# THE SOLDERING TECHNIQUE





Assemble the retention part with the H 1 (M3 size) or RE H 1 (M2 size) dummy male spring pin.

Snap the assembled male into the female on the master model.

Cover the inclined arm with a thin layer of wax, block out all undercuts and prepare the model for duplication.

Wax up the frame, covering the attachment completely except for the solder access hole.

Cast and finish the frame.

Grind undercuts in the stud of the retention part for the pick-up procedure.

Enlarge the solder access hole of the frame and pick-up the male with cold-cure acrylic.

Replace the dummy spring pin with the H 16 (M3 size) or RE H 16 (M2 size) soldering accessory. Invest for soldering.

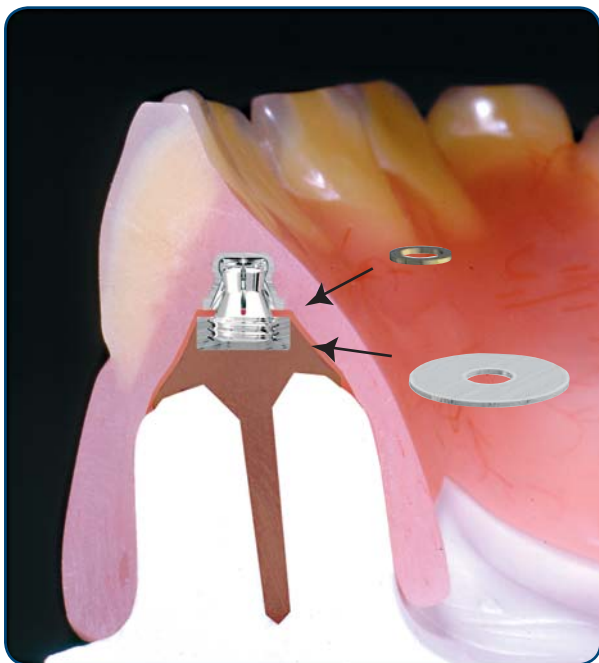
CEKA SOL with incorporated flux is ideal for soldering attachments (see page 35).

Lock the threads of the male spring pin with CEKA BOND (see page 34).

Ti laser welding retention caps RE 0065 (M2 size) or 694 AL (M3 size) are also available (see page 30).

# OVERDENTURE APPLICATIONS

## PRINCIPLES FOR THE USE OF SPACE MAINTAINERS



An axial attachment always includes two space maintainers and can thus be processed for a resilient function as well as for a rigid function.

**The small space maintainer must always be used.**

The use of the large tinfoil space maintainer will create a void over the post-coping for resilience.

The omission of the large tinfoil space maintainer will result in contact of resin with the post-coping. The attachment becomes immobilized and the prosthesis is rigidly connected to the post-coping.

# THE OVERDENTURE APPLICATION: 2 OPTIONS

## FEMALE ON THE POST-COPING



The female is incorporated into the post-coping with the bonding technique.

The male is incorporated into the acrylic resin of the removable prosthesis, providing good accessibility for servicing and oral comfort.



## MALE ON THE POST-COPING



The base ring is incorporated into the post-coping by the cast-on or the soldering technique.

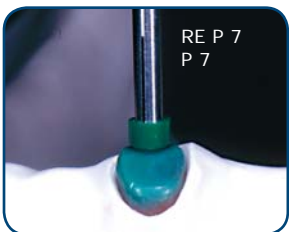
The female is incorporated into the acrylic resin.

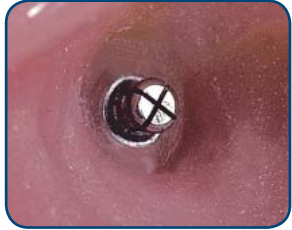
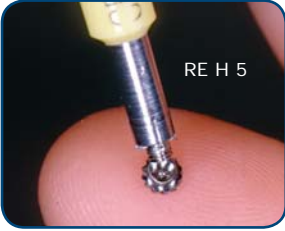


**M2:** diameter 3.4 mm height 3.8 mm

**M3:** diameter 4.2 mm height 4.35 mm

# FEMALE ON THE POST-COPING





The titanium female is bonded with CEKA SITE in the post-coping. The post-coping can be cast in any dental alloy, precious or non-precious.

Determine the path of insertion and incorporate the plastic pattern with the P 7 (M3 size) or RE P 7 (M2 size) paralleling mandrel. Invest and cast. Place the titanium female onto the P 8 or RE P 2/5 paralleling mandrel and sandblast with coarse aluminium oxide. Sandblast also the receptacle of the female profile.

Mix CEKA SITE (see page 35). Press the titanium female into the female profile. Hold for 10 minutes. Remove any excess CEKA SITE. Be sure to make a new mix of CEKA SITE for each use. The excess material on the mixing pad will not have set up, but the working time will have expired.

Assemble the spring pin, retention part and space maintainer with the female.

Adapt the large tinfoil space maintainer over the post-coping if a resilient construction is wanted (see page 18).

Polymerize the prosthesis and remove all space maintainers.

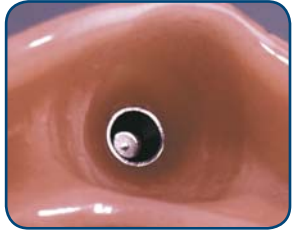
Lock the threads of the male spring pin with CEKA BOND (see page 34).

**M2:** diameter 3.4 mm height 3.8 mm

**M3:** diameter 4.0 mm height 4.2 mm

## MALE ON THE POST-COPING





### Cast-on technique

Wax up the post-coping as low as possible.

Use a castable plastic post (see PRECI-POST leaflet).

Incorporate the base ring with the P 4 (M3 size) or RE P 4 (M2 size) paralleling mandrel. Invest and cast (precious alloys only).

Assemble the attachment using the small space maintainer (and large space maintainer, see page 18).

Protect the inside of the attachment with silicone and process the prosthesis.

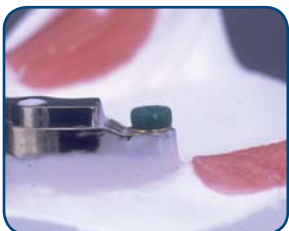
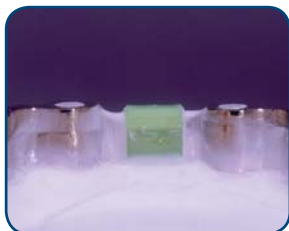
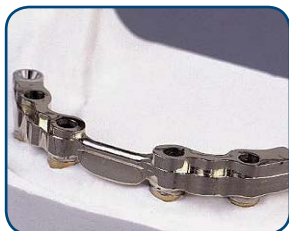
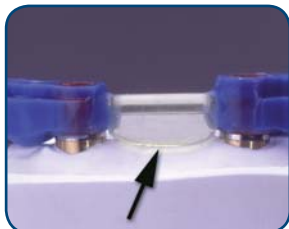
### Soldering technique

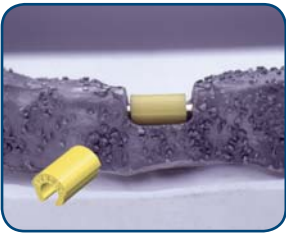
Alternatively, the attachment may be soldered on a post-coping (precious or non-precious alloys).

Use the H 4 (M3 size) or RE H 4 (M2 size) soldering accessory. Use CEKA SOL (see page 35).



# IMPLANT APPLICATIONS



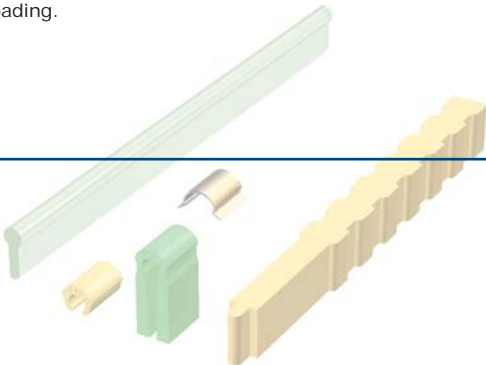


The combination of CEKA and PRECI-HORIX in bar constructions provides excellent case design options.

The PRECI-HORIX provides retention as well as support and stability in the anterior region (see PRECI-HORIX leaflet).

The bar construction and the close contact with the framework provide optimum stability and support.

The resilient CEKA attachments are extended on the bar and provide excellent adjustable posterior retention. The resilient attachments protect the bar from excessive loading.



# CATALOGUE

## CEKA - AXIAL

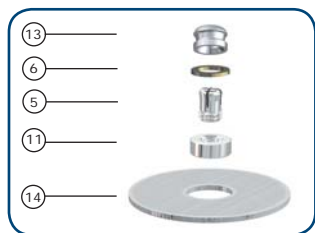
Female for acrylic fixation in the removable prosthesis.

Male on post-coping for:

(A) soldering with CEKA SOL FILIGRAN -see page 23-, or

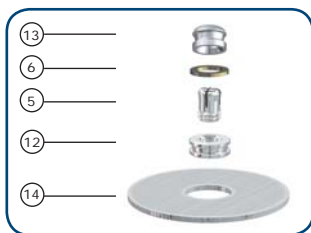
(B) the cast-on technique with precious alloys -see page 22-.

**A**



M2 size: **RA 61 TI**  
M3 size: **691 TI**

**B**



M2 size: **RA 63 TI**  
M3 size: **693 TI**

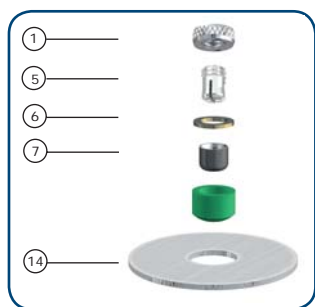
## CEKA - AXIAL & BAR CONSTRUCTIONS

Female for bonding with CEKA SITE in post-copings or in bar constructions (all alloys) -see page 20-.

Male for: (A) bonding with CEKA SITE, or

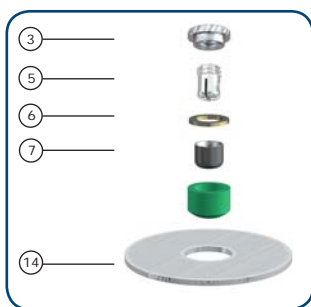
(B) acrylic fixation -see page 21-.

**A**



M2 size: **RE 0785 TI**  
M3 size: **OL 0885 TI**

**B**



M2 size: **RE 0795 TI**  
M3 size: **OL 0895 TI**

1 ATTACHMENT/PACKAGE

M2 size  
(2 mm)



RE 0031

M3 size  
(3 mm)



694 C



## CEKA REVAX - EXTRACORONAL GREEN

Female for bonding with CEKA SITE -see page 7-.

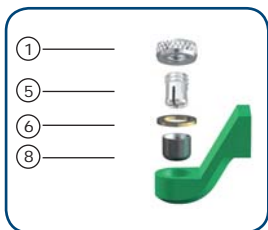
Use with any dental alloy. Male for:

(A) bonding with CEKA SITE -see page 12-,

(B) winged acrylic fixation -see page 14-,

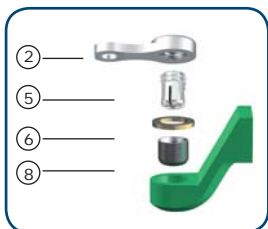
(C) soldering with CEKA SOL -see page 16-, or

(D) circular acrylic fixation.



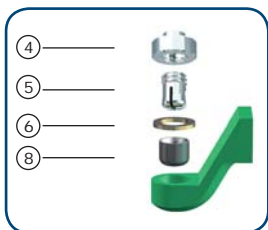
**A**

M2 size: **RE 0185 TI**  
M3 size: **OL 0285 TI**



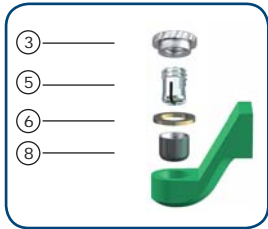
**B**

M2 size: **RE 0175 TI**  
M3 size: **OL 0275 TI**



**C**

M2 size: **RE 0161 TI**  
M3 size: **OL 0261 TI**



**D**

M2 size: **RE 0195 TI**  
M3 size: **OL 0295 TI**

### 1 ATTACHMENT/PACKAGE

Each attachment is supplied with 3 plastic female patterns: 30°, 45° and 60°.

M2 size  
(2 mm)



RE 0031

M3 size  
(3 mm)



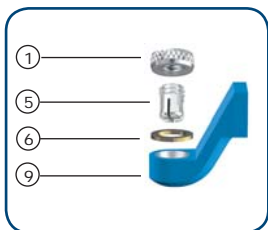
694 C

## CEKA REVAX - EXTRACORONAL BLUE

Female for the cast-on technique with non-precious alloys.

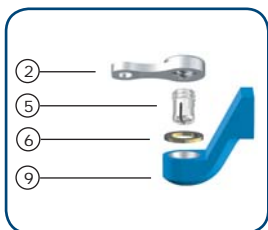
Male for:

- (A) bonding with CEKA SITE -see page 12-,
- (B) winged acrylic fixation -see page 14-,
- (C) soldering with CEKA SOL -see page 16-, or
- (D) circular acrylic fixation.



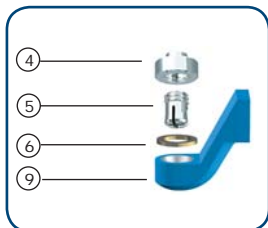
**A**

M2 size: **RE 0185 NP**  
M3 size: **OL 0285 NP**



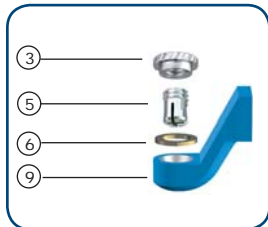
**B**

M2 size: **RE 0175 NP**  
M3 size: **OL 0275 NP**



**C**

M2 size: **RE 0161 NP**  
M3 size: **OL 0261 NP**



**D**

M2 size: **RE 0195 NP**  
M3 size: **OL 0295 NP**

### 1 ATTACHMENT/PACKAGE

Each attachment is supplied with 3 plastic female patterns: 30°, 45° and 60°.

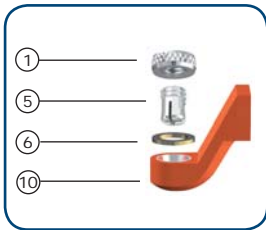


## CEKA REVAX - EXTRACORONAL ORANGE

Female for the cast-on technique with precious alloys.

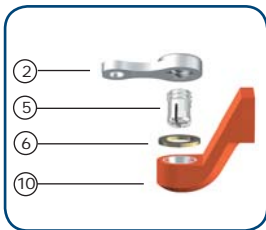
Male for:

- (A) bonding with CEKA SITE -see page 12-,
- (B) winged acrylic fixation -see page 14-,
- (C) soldering with CEKA SOL -see page 16-, or
- (D) circular acrylic fixation.



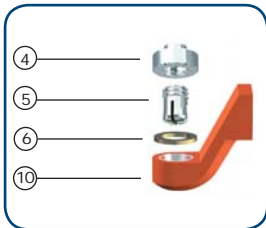
**A**

M2 size: **RE 0185 IR**  
M3 size: **OL 0285 IR**



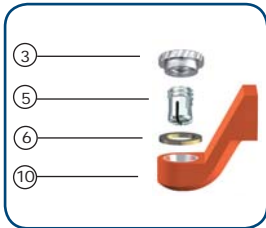
**B**

M2 size: **RE 0175 IR**  
M3 size: **OL 0275 IR**



**C**

M2 size: **RE 0161 IR**  
M3 size: **OL 0261 IR**



**D**

M2 size: **RE 0195 IR**  
M3 size: **OL 0295 IR**

### 1 ATTACHMENT/PACKAGE

Each attachment is supplied with 3 plastic female patterns: 30°, 45° and 60°.

## INDIVIDUAL COMPONENTS\*

1



M2 size: **RE 0085**

M3 size: **694 AR**

Retention part for bonding with CEKA SITE.  
Including duplicating dummy.

TITANAX alloy - 2 + 2 pcs

2



M2 size: **RE 0075**

M3 size: **694 AKS**

Retention part for winged acrylic fixation

TITANAX alloy - 2 pcs

3



M2 size: **RE 0095**

M3 size: **694 AKS2**

Retention part for circular acrylic fixation

TITANAX alloy - 2 pcs



M2 size: **RE 0065**

M3 size: **694 AL**

Retention part for the laser technique

PURE TITANIUM - 2 pcs

4



M2 size: **RE 0061**

M3 size: **694 AS**

Retention part for soldering with CEKA SOL

PALLAX alloy - 2 pcs

5



M2 size: **RE 0031**

M3 size: **694 C**

Removable resilient spring pin

PALLAX alloy - 2 + 2 pcs



M3 size only: **724 C**

Rigid male spring pin. Use CEKA BOND to prevent gradual unthreading.

PALLAX alloy - 2 pcs

6



M2 size: **RE 0096**

M3 size: **694 B**

Space maintainer

STAINLESS STEEL - 10 pcs

7



M2 size: **RE 0700 TI**

M3 size: **OL 0800 TI**

Female for bonding with CEKA SITE  
in post-copings or in bar constructions  
TITANAX alloy - 1 + 1 pc

8



M2 size: **RE 0100 TI**

M3 size: **OL 0200 TI**

Female for bonding with CEKA SITE.  
Use with any dental alloy.  
TITANAX alloy - 1 + 3 pcs

9



M2 size: **RE 0100 NP**

M3 size: **OL 0200 NP**

Female for the cast-on technique  
with non-precious alloys only  
NOPRAX alloy - 1 + 3 pcs

10



M2 size: **RE 0100 IR**

M3 size: **OL 0200 IR**

Female for the cast-on technique  
with precious alloys only  
IRAX alloy - 1 + 3 pcs

11



M2 size: **RA 0061**

M3 size: **691 D**

Base ring for soldering with CEKA SOL FILIGRAN  
PALLAX alloy - 1 pc

12



M2 size: **RA 0063**

M3 size: **693 D**

Base ring for direct casting with  
precious alloys  
IRAX alloy - 1 pc

13



M2 size: **RA 0091**

M3 size: **691 A**

Female for retention in acrylic overdentures  
TITANAX alloy - 1 pc

14



M2 size: **RA 0055**

M3 size: **691 E**

Large space maintainer for post-copings  
TINFOIL - 1 pc



## ACCESSORIES M2 AND M3 SIZE



M2 & M3 size: **RE H 5**  
Laboratory key



M2 & M3 size: **A 1**  
Activating tool and screw-driver



M2 & M3 size: **RE H 79**  
Retention adjusting accessory



M2 & M3 size: **H 30**  
Set of 4 profiles to verify  
the diameter of the females



M2 & M3 size: **P 8**  
Paralleling mandrel and sandblasting tool  
for TITANAX females



M2 & M3 size: **RE P 2/5**  
Paralleling mandrel for females



M2 & M3 size: **RE H 20**  
Diamond burr for the  
bonding technique 2 pcs



M2 & M3 size: **RE H 10**  
Carbide burr with smooth stop  
for the metal sleeve

## ACCESSORIES M2 OR M3 SIZE



M2 size: **RE P 7**  
 M3 size: **P 7**  
 Paralleling mandrel for  
 green female patterns



M2 size: **RE P 4**  
 M3 size: **P 4**  
 Paralleling mandrel for  
 axial base rings



M2 size: **RE H 2**  
 M3 size: **H 2**  
 Impression tool for axial attachments,  
 to be used with the (RE) H 14. 2 pcs



M2 size: **RE H 14**  
 M3 size: **H 14**  
 Impression tool for females,  
 to be used with the spring pin, the space  
 maintainer and the (RE) H 13.  
 Combine also with the (RE) H 2. 2 pcs



M2 size: **RE H 13**  
 M3 size: **H 13**  
 Female analogue for the repair  
 and rebasing technique 2 pcs



M2 size: **RE H 1**  
 M3 size: **H 1**  
 Dummy spring pin with incorporated  
 space maintainer 2 pcs



M2 size: **RE H 16**  
 M3 size: **H 16**  
 Soldering accessory for extracoronary  
 retention parts 2 pcs








M2 size: **RE H 4**  
 M3 size: **H 4**  
 Soldering accessory for  
 axial base rings 2 pcs



M2 size: **RE H 17**  
 M3 size: **H 17**  
 Protection cap in TITANAX alloy for  
 threading into the base ring 2 pcs

## OVERSIZED MALE SPRING PINS\*

	M2 size with larger retention zone (Ø 1.95 mm) <b>RE 0031 195</b> 2 pcs
	M2 size extra long (0.3 mm longer) <b>RE 0031 L</b> 2 pcs
	M3 size with larger retention zone (Ø 1.95 mm, 2.02 mm, 2.09 mm) <b>694 C/195</b> 2 pcs <b>694 C/202</b> 2 pcs <b>694 C/209</b> 2 pcs
	M3 size extra long (0.3 mm longer) <b>694 C/L</b> 2 pcs
	M3 size spacer discs, to lengthen the spring pin (0.05 mm thick). Use maximum 5 discs. <b>AF 69</b> 10 pcs

## PLASTICWAX



### IMP-CK-045

45 g modelling wax



### IMP-CK-014

4 x 66 mm 8° profiles

PLASTICWAX is a hard wax with plastic filler, ideal for precision modelling of bar constructions.

## CEKA BOND



### CB1

5 ml



CEKA BOND is an adhesive to prevent gradual unthreading of prosthetic components. The components can still be unthreaded by using the proper instruments.

## CEKA SITE



### CEKA SITE

2 x 2 g

CEKA SITE is an anaerobic bonding composite.



Mix for 30 seconds (1:1) and apply to sandblasted surfaces within 1 minute.

Hold for 10 minutes.

Excess material can be easily removed.

Store refrigerated but use at room temperature.

## CEKA SOL



### CEKA SOL

CEKA SOL FILIGRAN

CS00

CS00 F

Yellow 780-820 °C (1446-1508 °F)

Au 80 - Cu 13 - In 5 - Zn 2



The incorporated flux provides for easy soldering of dissimilar metals.

See also CEKA SOL leaflet for a complete range of low-fusing solders for multiple applications.

## TABLE OF ALLOYS

### PALLAX

1055-1130 °C

1931-2066 °F

**For the soldering technique with precious and non-precious alloys**

Au 2 - Ag 37 - Pt 9.5 - Pd 37 - Cu 12.5 - Co 2

### IRAX

1400-1460 °C

2552-2660 °F

**For the cast-on technique with precious alloys only**

Au 60 - Pt 24 - Pd 15 - Ir 1

### NOPRAX

1355-1450 °C

2471-2642 °F

**For the cast-on technique with non-precious alloys only**

Ni 72 - Cr 17 - Fe 10 - Mn 1

### TITANAX

Do not heat!

White

**Only for the bonding technique and acrylic fixation**

Ti 90 - Al 6 - V 4

**SWISS MADE**



CEKA REVAX

CEKA SOL

PRECI-HORIX

PRECI-VERTIX

PRECI-VERTIX AT

PRECI-BAR

PRECI-BALL

PRECI-CLIP

PRECI-SAGIX

PRECI-CLIX AXIAL

PRECI-CLIX EXTRACORONAL

PRECI-CLIX RADICULAR

PRECI-CLIX RADICULAR RC

PRECI-TUBIX/MORTIX

PRECI-POST

PRECI-PROFILE

PERMA-RET

3C-BOND

EXPANDO

CEKA-MAX

**CEKA REVAX®**