PROCESSING THE MALES OF PRECI-CLIX ATI/AP

1. Determine the path of insertion of the prosthesis.
2. Wax up the post-copings. The surfaces must be at a right angle to the path of insertion (parallel with the occlusal surface). They should be as low as possible.
3. Place the **1205 C** male with the **1201 P** paralleling mandrel on the post-coping according to the position of the denture teeth.
4. Incorporate the male into the wax pattern and remove the paralleling mandrel.
5. Invest, burn out and cast in a hard alloy. Do not use fast-heating investments.
6. Carefully finish the casting and do not remove too much material from the ball. Thoroughly polish. Use the **1230** cup burr.
7. Assemble the male with the **1231** female and the **1235** housing.
8. Place the **RA 0055** large space maintainer over the male on the post-coping. Adjust it until it covers the edge of the papilla by 1 to 1.5 mm.
9. Press with the **1222** insertion tool the **1231** female into the housing and place this assembly with the space maintainer over the male.
10. Position the wax setup on the model and prepare for investing.
11. Polymerize and finish.
12. Remove the space maintainer after polymerization.
13. Check the retention and replace the female if necessary by a **1232** white female with reduced friction or a **1233** red female with increased friction.

PROCESSING THE MALES OF PRECI-CLIX TI-TI/P-TI

1. Determine the path of insertion of the prosthesis.
2. Select the appropriate **RE 04 TI** plastic male keeper and place the **RE P 7** paralleling mandrel in the cavity.
3. Adapt the plastic pattern according to the shape, position and height of the abutment crowns.
4. Fix the male keeper with wax to the abutment crowns. Remove the paralleling mandrel and pre-invest the cavity with investment material (100 % expansion liquid).
5. Sprue the crowns and prepare for investing.
6. Invest, burn out, preheat carefully and cast in a hard alloy. Do not use fast-heating investments.
7. Sandblast the casting without damaging the cavity for the male.
8. Reposition the model in the surveyor after porcelain veneering and the aesthetic try-in.
9. Fix the **1271 C** TITANAX male in the **1201 P** paralleling mandrel and check if it is properly seated in the cavity.
10. Apply a small quantity of **CEKA SITE (# CEKA SITE B)** in the cavity. Carefully read the instructions and follow them accurately.
11. Place the male in the cavity filled with **CEKA SITE** and secure in position for 5 to 10 minutes.
12. Remove the **1201 P** paralleling mandrel and the **CEKA SITE** residue.

PROCESSING THE MALES OF PRECI-CLIX TI-P/P-P

1. Determine the path of insertion of the prosthesis.
2. Select the appropriate **RE 04 TI** plastic male keeper and press the **1281 C** male into the cavity.
3. Place the **1201 P** paralleling mandrel carefully on top of the male.
4. Adapt the plastic pattern according to the shape, position and height of the abutment crowns.
5. Fix the male keeper with wax to the abutment crowns. Remove the paralleling mandrel.
6. Sprue the crowns and prepare for investing.
7. Invest, burn out, preheat carefully and cast in a hard alloy. Do not use fast-heating investments.
8. Sandblast the casting without damaging the male. Use the **1230** cup burr.
9. Carefully finish the casting. Do not remove too much material from the ball. Thoroughly polish.

PROCESSING THE MALES OF PRECI-CLIX TI-V/P-V

1. Determine the path of insertion of the prosthesis.
2. Select the appropriate **RE 04 TI** plastic male keeper and place the **RE P 7** paralleling mandrel in the cavity.
3. Adapt the plastic pattern to the shape, position and height of the abutment crowns.
4. Fix the male keeper with wax to the abutment crowns. Remove the paralleling mandrel.
5. Sprue the crowns and prepare for investing. Pre-invest the cavity with investment material (100% expansion liquid).
6. Invest, burn out, preheat carefully and cast in a hard alloy. Do not use fast-heating investments.
7. Sandblast the casting without damaging the cavity for the male.
8. Reposition the model in the surveyor after porcelain veneering and the aesthetic try-in.
9. Place the **RE 4600 TI** titanium threads on the **RE P 4** paralleling mandrel and check if the threads are properly seated in the male keeper.
10. Apply a small quantity of **CEKA SITE (# CEKA SITE B)** in the cavity. Carefully read the instructions and follow them accurately.
11. Allow **CEKA SITE** to set for approximately 8 minutes.
12. Remove the **CEKA SITE** residue.
13. Thread the **1206 C** male with the **IMP-XS-042** screwdriver into the threads of the male keeper.

PROCESSING A PRECI-CLIX FEMALE WITH HOUSING

IN A CAST METAL PARTIAL DENTURE

1. Prepare the working model for duplication. **Do not** place a female on the male.
2. Block out the undercuts of the **RE 04 TI** male keeper. The undercut wax should be applied parallel to the male keeper.
3. Make a refractory model.

4. Wax up a sleeve around the replica of the male keeper up to the upper edge, and connect to the wax pattern of the partial denture.
5. Invest, cast and finish the partial denture.
6. A metal sleeve surrounding the male keeper is the result. Polish the inside to a high shine.
7. Press with the **1222** insertion tool a **1231** female into the **1235** TITANAX housing.
8. Place the **1251 B** rubber space maintainer over the male and assemble with the female and the housing.
9. Apply a small amount of Vaseline to the inside of the female. Keep the retention zone for acrylic resin and the outside of the housing clean.
10. Position the wax setup on the model. Prepare for investing.
11. Polymerize and finish.
12. Remove the space maintainer after polymerization.
13. Check the retention and replace the female if necessary by a **1232** white female with reduced retention or a **1233** red female with increased retention.

IN AN ACRYLIC RESIN DENTURE

1. Press with the **1222** insertion tool a **1231** female into the **1235** TITANAX housing.
2. Place the **1251 B** rubber space maintainer over the male and assemble with the female and the housing.
3. Place the **RA 0055** large space maintainer over the male on the post-coping. Adjust it until it covers the edge of the papilla by 1 to 1.5 mm.
4. Apply a small amount of Vaseline to the inside of the female. Keep the retention zone for acrylic resin and the outside of the housing clean.
5. Position the wax setup on the model. Prepare for investing.
6. Polymerize and finish.
7. Press with the **1222** insertion tool a **1231** female into the created cavity.
8. Remove the space maintainers after polymerization.
9. Check the retention and replace the female if necessary by a **1232** white female with reduced retention or a **1233** red female with increased retention.

PROCESSING A PRECI-CLIX FEMALE WITH DUPLICATING DUMMY

IN A CAST METAL PARTIAL DENTURE

1. Prepare the working model for duplication. Block out the undercuts of the **RE 04 TI** male keeper. The undercut wax should be applied parallel to the male keeper.
2. Apply a small layer of wax on the inclined arm of the male keeper.
3. Place the **1236** duplicating dummy over the male without the rubber space maintainer.
4. Make a refractory model. The duplicating dummy should be perfectly reproduced.
5. Make and wax up a conventional structure, and cast.

6. Carefully sandblast after devesting without damaging the receptive cavity. Polish the access to the cavity to a high shine.
7. Press with the **1222** insertion tool a **1231** female into the created cavity.
8. Place the **1251 B** rubber space maintainer between male and female during finishing.
9. Remove the space maintainer after polymerization.
10. Check the retention and replace the female if necessary by a **1232** white female with reduced retention or a **1233** red female with increased retention.

IN AN ACRYLIC RESIN DENTURE

1. Place the **1236** duplicating dummy over the male without the rubber space maintainer.
2. Place the **RA 0055** large space maintainer over the male on the post-coping. Adjust it until it covers the edge of the papilla by 1 to 1.5 mm.
3. Position the wax setup on the model. Prepare for investing.
4. Polymerize and finish.
5. Press with the **1222** insertion tool a **1231** female into the created cavity.
6. Remove the space maintainer after polymerization.
7. Check the retention and replace the female if necessary by a **1232** white female with reduced retention or a **1233** red female with increased retention.

PROCESSING PRECI-CLIX RADICULAR

CHAIRSIDE PROCEDURE

1. Determine the path of insertion of the prosthesis and try to parallel the root accesses.
2. Prepare the root canals according to the situation.
3. Use the **1227** predrilling burr to prepare the root.
4. The **1228** cavity burr will prepare the seating of the cementable post base.
5. Use the **1229** precision reamer to calibrate the diameter for the **1291 C** post.
6. Screw the **RE H 2** impression tool into the **1291 C** post to facilitate cementation.
7. Clean, degrease, and cement the post into the root.
8. Remove all excess cement.
9. Do the final polishing of the root.
10. Take a full arch impression with the impression tool still in position.

LABORATORY PROCEDURE

1. Parallel the females with the **1211 P** paralleling mandrel.
2. Assemble the **RE H 2** impression tool with the **RE H 14** model analogue and pour a working model.
3. Remove the impression tool and replace it with a **1206 C** male using the **IMP-XS-042** screwdriver.
4. Fill up the space between papilla and root with plaster.
5. Press with the **1222** insertion tool a **1231** PRECI-CLIX female into the **1235** TITANAX housing.

6. Place the **1251 B** rubber space maintainer over the male and assemble with the female and the housing.
7. Place the **RA 0055** large space maintainer over the male on the post-coping. Adjust it until it covers the edge of the papilla by 1 to 1.5 mm.
8. Apply a small amount of Vaseline to the inside of the female. Keep the retention zone for acrylic resin and the outside of the housing clean.
9. Position the wax setup on the model. Prepare for investing.
10. Polymerize and finish.
11. Remove the space maintainers after polymerization.
12. Check the retention and replace the female if necessary by a **1232** white female with reduced retention or a **1233** red female with increased retention.

PROCESSING PRECI-CLIX RADICULAR FOR CAST METAL PARTIAL FRAMES

CHAIRSIDE PROCEDURE

1. Determine the path of insertion of the prosthesis and try to parallel the root accesses.
2. Prepare each root canal according to the situation. The occlusal aspect must be 90° with respect to the path of insertion.
3. Use the **1227** predrilling burr to prepare the root.
4. The **1228** cavity burr will prepare the exact seat of the cementable **1291 C** PRECI-CLIX post.
5. Use the **1229** precision reamer to calibrate the diameter for the PRECI-CLIX post.
6. Screw the **RE H 2** impression tool into the **1291 C** PRECI-CLIX post to facilitate cementation.
7. Check the fit.
8. Clean and degrease the root post, and cement it into the root.
9. Remove all excess cement.
10. Polish the root.
11. Take a full arch impression with the **RE H 2** impression tool in position.

LABORATORY PROCEDURE

1. Parallel the females with the **1211 P** paralleling mandrel.
2. Assemble the **RE H 2** impression tool with the **RE H 14** model analogue and make a working model.
3. Remove the impression tool and replace it with a **1206 C** male using the **IMP-XS-042** screwdriver.
4. Fill up the space between papilla and root with plaster.
5. Place the **RA 0055** large space maintainer over the male on the root replica. Adjust it until it covers the edge of the papilla by 1 to 1.5 mm.
6. Press with the **1222** insertion tool a **1231** PRECI-CLIX female into the **1235** TITANAX housing and place this assembly with the space maintainer over the male.
7. Position the wax setup on the model. Prepare for investing.
8. Polymerize and finish.
9. Remove the space maintainer after polymerization.

10. Check the retention and replace the female if necessary with a **1232** white female with reduced retention or a **1233** red female with increased retention.

REPLACING A PRECI-CLIX FEMALE

PRECI-CLIX attachments are supplied with the **1231** yellow standard females.

When the retention of the female no longer meets the requirements, it can be replaced with the **1232** white female with reduced retention or the **1233** red female with increased retention.

1. Bend the lips of the female with a sharp instrument towards the inside.
2. Take an instrument that fits the housing and heat it. Remove the female with a sharp instrument.
3. Position the desired female on the **1222** insertion tool and press this assembly into the housing.
4. Check if the required retention is attained.

REBASING/RELINING A PROSTHESIS WITH PRECI-CLIX

CHAIRSIDE PROCEDURE

1. Block out the attachments with soft wax.
2. Press the **1251 B** space maintainer over the male in the mouth.
3. Apply self-curing acrylic stops to the tissue side of the prosthesis in the area of the retromolar pad or the tuber maxillae.
4. Bring the patient's jaws manually in centric relation and hold this position while the self-curing acrylic resin is hardening.
5. Apply impression material to the prosthesis and take impression. The spring pin must snap in correctly.

LABORATORY PROCEDURE

1. Remove any impression material from the female.
2. Press the **1201 D** model analogue or the **RE H 14 + 1206 C** assembly into the females in the prosthesis.
3. When using the **RE H 14 + 1206 C** assembly, fill up the space between the **RE H 14** accessory and the metal sleeve with wax.
4. Pour a stone model and prepare it for relining.
5. Always use the space maintainer during processing.
6. Reline as usual.
7. Replace the female after finishing and polishing if necessary (see **Replacing a PRECI-CLIX female**).

FABRICATION OF A NEW PROSTHESIS WITH PRECI-CLIX

CHAIRSIDE PROCEDURE

1. Block out the undercuts of the female with soft wax.
2. Take a full arch impression using a custom-made impression tray.

LABORATORY PROCEDURE

1. Place the **1201 D** model analogue or the **RE H 14 + 1206 C** assembly in the impression.
2. Pour a working model with incorporated model analogues.
3. Make a new secondary construction.

CONSTRUCTION OF REVAX TI EXTRACORONAL M2 INTO PRECI-CLIX

In case of repeated fracture of spring pins with traditional extracoronal partial dentures, it may be advisable to change the construction into a PRECI-CLIX construction, where the females are the elastic parts.

The female/male keeper of **REVAX RE 0161 TI, RE 0175 TI, RE 0185 TI, RE 0195 TI** and **PRECI-CLIX TI** have identical internal diameters, providing for an easy conversion.

CHAIRSIDE PROCEDURE

1. Remove the female and the **CEKA SITE (# CEKA SITE B)** from the female keeper with a cool cylindrical diamond burr.
2. The cavity must remain cylindrical.
3. Clean and dry the cavity.
4. Cement a **1271 C** titanium male into the cavity with **CEKA SITE**.
5. Remove the excess material after hardening.
6. Remove the male assembly from the prosthesis.
7. Adjust the opening in the prosthesis to the diameter of the new female (4.5 mm diameter and 3.5 mm height), and perforate the acrylic resin denture to the lingual.
8. Press a **1234** female into a **1235** titanium housing with the **1222** insertion tool.
9. Assemble the male with the **1251 B** space maintainer and the female assembly.
10. Mix a small amount of self-cure acrylic resin to a doughy consistency (preferably in another colour than the denture base), place it in the cavity for the female, and seat the prosthesis in the patient's mouth. The patient must not load the prosthesis.
11. Remove the excess material and the space maintainer after hardening of the acrylic resin.

SIDE EFFECTS, WARNINGS AND PRECAUTIONS

- The attachments are intended for single use. A damage on the threading of the retention part or base ring can pose a risk if the product is reused.
- The products are non-sterile.
- There is a risk of poor fit when patient conditions change.
- Bacterial adhesion can be avoided by applying hygiene measures.
- Inappropriate use or bad manufacturing can lead to premature wear of the attachments.
- The functionality of the attachments will be adversely affected by traumas such as grinding and bruxism.
- For the purpose of traceability we advise you to record the lot number of the applied products in the patient file.
- Do not heat items containing titanium.
- Do not use items containing nickel in case of nickel allergy.
- The accessories RE H 79 and H 35 must be used outside the mouth.