

PROCESSING PRECI-HORIX

1. Determine the path of insertion of the prosthesis.
2. Wax up the post-copings or the crowns.
3. Reduce the bar in height and length to ensure a proper fit between the abutments, and grind it to relieve the papilla. Use the **1708** paralleling mandrel for structures with multiple small bar sections.
4. If necessary, fill up the space between model and bar with wax to provide for a pontic-like gingival contact. Also reduce the bar in height if necessary (minimum height: 2.5 mm).
5. Attach the bar to the post-copings, crowns or implant cylinders.
6. Apply the casting sprues outside the functional areas of the bar.
7. Invest, burnout and cast.
8. Finish and thoroughly polish the bar. Do not remove too much material from the bar as this could considerably reduce retention.
9. Place the casting on the model and place the **1703** space maintainer(s) over the bar. Reduce the space maintainers to fit the bar height.
10. Block out the undercuts of the bar with a solid material and leave those of the space maintainers free. Also cover the upper free areas of the bar and the copings.
11. Process the acrylic resin.
12. Finish the prosthesis as usual.
13. Cut the space maintainers after polymerization with a scalpel and remove them. Insert the riders in position with the supplied **1705** insertion tool. The riders must snap in audibly.
14. Use other riders in case of excessive or inadequate retention (see **Replacing a PRECI-HORIX rider**).
15. Position a **1706** housing if necessary (see **Processing the PRECI-HORIX housing**).

PROCESSING THE PRECI-HORIX HOUSING

Incorporation of a housing into a new prosthesis

1. Make the abutment retainers with PRECI-HORIX (see **Processing PRECI-HORIX**).
2. Place the housings on the space maintainers before closing the flask and seating the prosthesis. They must be fully seated. Polymerize the space maintainers.
3. Remove the space maintainers after polymerization with a scalpel.
4. Seat the riders in position with the **1705** insertion tool.
5. See **Replacing a PRECI-HORIX rider** to select the rider with the proper retention.

Incorporation of a housing into an existing prosthesis

1. Take impression with the riders seated in the prosthesis.
2. Reduce the **1707** pattern analogue to its correct length to allow for positioning into the impression. Provide the underside which is positioned in the plaster with retention (using a carbide or diamond burr).

3. Pour a model in stone and remove the prosthesis. Remove the impression material and the riders from the prosthesis.
4. Cut a lingual or palatal opening in the prosthesis in the area of the riders.
5. Place the **1703** space maintainers on the model. They must accurately fit the plastic pattern. Block out the undercuts and place the housings on the space maintainers.
6. Lubricate the model and reposition the prosthesis on the plaster model.
7. Cure with self-curing resin and polymerize.
8. Remove the prosthesis after hardening of the acrylic resin and finish.
9. Press in the required riders with the **1705** insertion tool.
10. See **Replacing a PRECI-HORIX rider** to select the rider with the proper retention.

REPLACING A PRECI-HORIX RIDER

PRECI-HORIX attachments are supplied with the **1802** yellow standard riders.

If the retention of the rider no longer meets the requirements, it can be replaced with the **1805** white rider with reduced retention or the **1806** red rider with increased retention.

1. Cut the riders with a scalpel in two and remove them from the prosthesis.
2. Position the rider with the desired retention on the supplied **1705** insertion tool and press it in position.
3. Check if the required retention is attained.

REBASING/RELINING A PROSTHESIS WITH PRECI-HORIX

1. Take a reline impression with the riders in the prosthesis.
2. Remove the riders from the prosthesis and fill up the space of the bar and the riders with plaster and separating liquid.
3. Pour a stone model. Remove the impression material. The use of a reline jig or flask is recommended.
4. Reline in routine technique.
5. Remove the silicone after polymerization.
6. Finish the prosthesis and incorporate new riders.

FABRICATION OF A NEW PROSTHESIS WITH PRECI-HORIX

1. Take a full arch impression. Measure the length of the pattern in the patient's mouth.
2. Reduce the **1707** pattern analogue to this length and provide it with retention for the plaster model.
3. Seat the analogue in position in the impression and pour a model in stone or epoxy material.
4. Place the **1703** space maintainers on the pattern analogue and block out the rest of the bar with a solid material (plaster, silicone or cement).

5. Provide the space maintainers with the **1706** housing (recommended) and finish the prosthesis in the normal manner.
6. Remove the space maintainers with a sharp instrument.
7. Seat the desired **1802/1805/1806** riders with the supplied **1705** insertion tool in position (see **Replacing a PRECI-HORIX rider**).

PROCESSING PRECI-HORIX PLASTICWAX PATTERNS

1. Make a model and wax up the post-copings or crowns. For implant constructions, the implant analogues must be provided with plastic or castable metal cylinders.
2. Cut the **1734** PLASTICWAX pattern to the exact length and place it with the **1708** paralleling mandrel between the post-copings, crowns or cylinders.
3. The pattern must not be deformed. Cool in water if necessary. Adjust the tissue side to the gingival contour and fix the bar.
4. If you wish to provide the pattern with an additional sprue or vent, this must be done at the tissue side of the pattern.
5. Cast the construction in a hard alloy.
6. Finish after casting and carefully polish in the usual way. Do not grind excessively so as to weaken the bar.
7. Seat the casting on the model and position the **1703** space maintainers on the bar. Reduce the space maintainers to fit the bar height.
8. Block out the undercuts of the bar with a solid material (cement or silicone) and leave those of the space maintainers free. Also cover the upper free areas of the bar and the copings.
9. Process the acrylic resin.
10. Position a **1706** housing on the **1703** space maintainers (recommended method) (see **Processing the PRECI-HORIX housing**).
11. Finish the prosthesis as usual.
12. After polymerization, cut the space maintainers with a scalpel and remove them. Insert the riders in position with the **1705** insertion tool. The riders must snap in audibly.
13. Use other riders available in case of excessive or inadequate retention (see **Replacing a PRECI-HORIX rider**).

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.