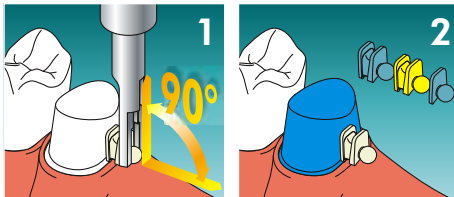


# Processing Instructions

# V2-Attachment according to Viganò®

## Patrx Preparation

**1.** When determining the direction of insertion, align the master model at a right angle to the ridge of the jaw.

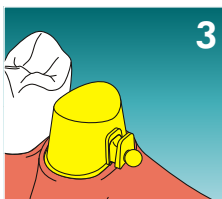


**2.** Model the crown as usual in wax.

Set the patrx (HFA, POM or wax) in close proximity to the stump by use of a parallel mandrell, affix it to the base of the crown and include it into the crown moulding.

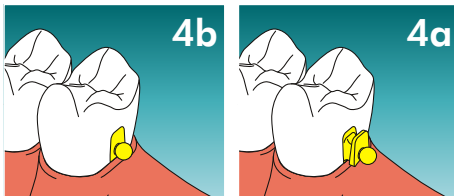
The insertion surface results from the shape of the patrx (no milling required).

**3.** Invest the so created unit and cast as usual. Ensure that insertion surface,



milling and ball are absolutely free of wax residues. Prepare as usual; no

work on the primary element required.



**4.** Prepare the crown for ceramic firing as usual.

Full facings can be implemented, except for the border surface of the patrx.

After facing, polish the primary

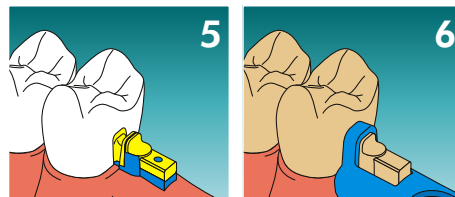
element initially with a silver wire brush and then high gloss polish with polishing paste and a soft brush.

Caution: No material may be removed from the ball (polishing without loss of material)!

## Matrix Preparation

### Matrix non-precious alloy (enclosed version)

**5.** Fit the matrix onto the patrx, block out the undercuts, apply a thin coat of wax around the sides and seal the drill hole of the retention part.



**6.** After duplicating prepare the casting pattern as usual, but leave out the patrx area from moulding.

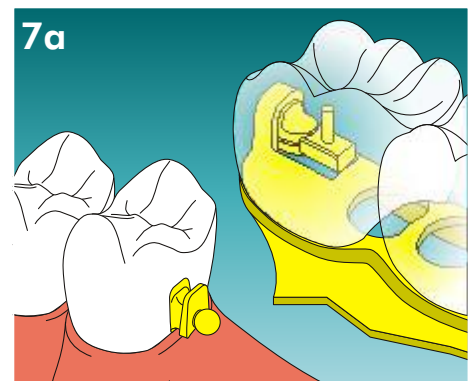
Shape a load distribution clasp to the patrx' milling.

This pattern can also be designed closed (fig. 7a) or open (fig 7b) at the buccal side.

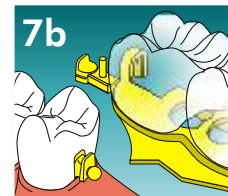
**7.** Cast and prepare the casting pattern as usual. Fit the load distribution clasp to the patrx milling.

For electrolytic polishing protect the underside of the clasp by covering with wax.

Set the matrix with inserted metal pin onto the patrx and apply wax around it.



Set the casting pattern into place



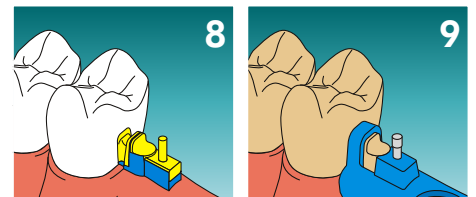
and connect it by use of acrylic.

The matrix is retained mechanically in the

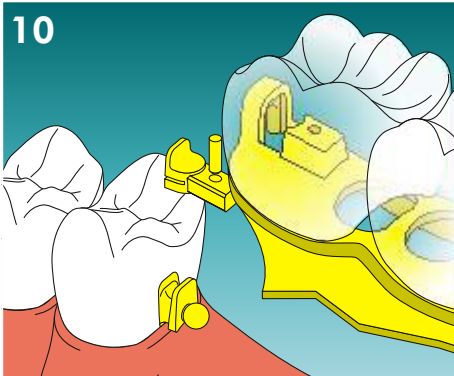
denture acrylic.

### Matrix non-precious alloy (pinned version)

**8.** Fit the matrix onto the patrx, block out the undercuts towards the jaw and apply a thin coat of wax around the matrix. Insert a pre-fabricated metal pin into the drill hole of the retention.



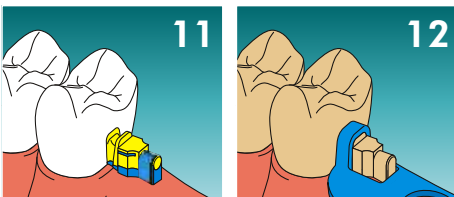
**9.** After duplicating replace the metal pin by a pre-fabricated ceramic pin and mould the casting pattern as usual by omitting the patrx area. Shape a load distribution clasp to the patrx milling and cover the retention with a 0.5 mm thick coat of wax. As described above, the pattern can be designed open or closed at the buccal side.



**10.** After finishing, connect the matrix to the casting pattern by use of a metal pin.

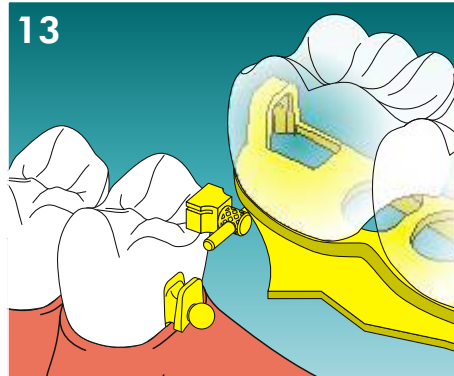
### Matrix Titanium (enclosed version)

**11.** Fit the matrix onto the patrix, block out the undercuts towards the jaw and apply a thin coat of wax parallel around the matrix. Seal the drill hole in the retention with wax.



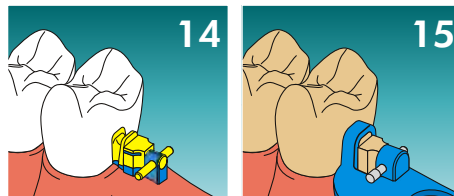
**12.** Further proceeding as described in step 6.

**13.** Complete the denture as usual and connect the casting pattern and the matrix as described in step 7 with common acrylic.

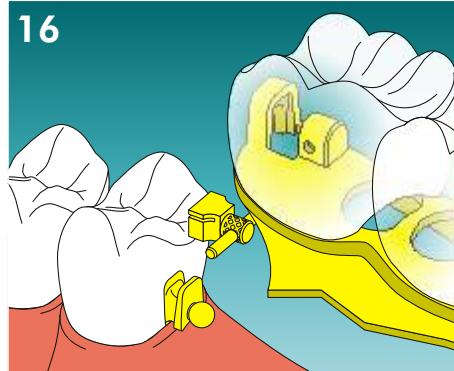


### Matrix Titanium (pinned version)

**14.** Set the matrix onto the patrix and apply a coat of wax as described in step 8.



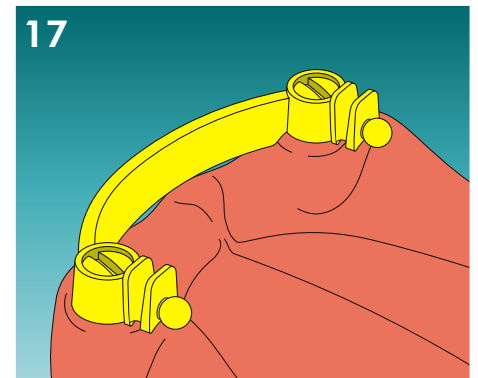
**15.** Further proceeding as described in step 9.



**16.** After finishing connect the matrix to the casting pattern by use of a metal pin.

### Implant Preparation

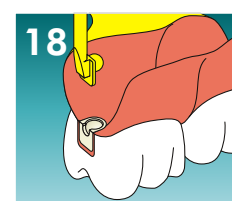
All previously described versions can also be used for implants.



The denture's insertion direction can be freely defined independent of the implant's direction. The patrices can easily be connected to the secondary implant construction (casting-on, soldering, laser-welding).

### Procedures for Repair and/or Preparation of a new casting pattern

Fit the seating tool into the denture's matrix. Wax it lightly at the basal side and prepare the



master model in the usual way.

Remove the used matrix and replace it by a new one, or

prepare a new casting pattern with the new matrix.

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