



## verification jig fabrication

Use this technique to verify and achieve passive fitting metal framework for a bridge, hybrid prosthesis or for an overdenture bar. A passive fit when splinting multiple implants together is suggested for implant-supported restorations.



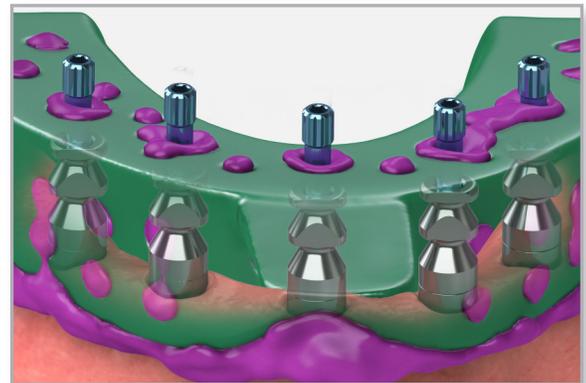
### component options

- direct impression copings
- Multi-unit direct impression copings
- implant analogs
- Multi-unit abutment replicas
- .050" (1.25mm) hex driver
- Multi-unit prosthetic screws, long

### 1 Make an implant-level or Multi-unit abutment level impression

Refer to one of the following modules that applies to the clinical situation:

- open tray technique using the direct pick-up coping
- closed tray technique using the indirect transfer coping
- Multi-unit abutment open tray technique using the direct pick-up coping
- Multi-unit abutment closed tray technique using the indirect transfer coping



### 2 Lab step - Pour the working model

Fabricate a working model following conventional laboratory procedures. A soft tissue model is recommended whenever the margins are subgingival. Refer to one of the following modules that applies to the clinical situation:

- open tray technique using the direct pick-up coping
- closed tray technique using the indirect transfer coping
- Multi-unit abutment open tray technique using the direct pick-up coping
- Multi-unit abutment closed tray technique using the indirect transfer coping





## verification jig fabrication

3

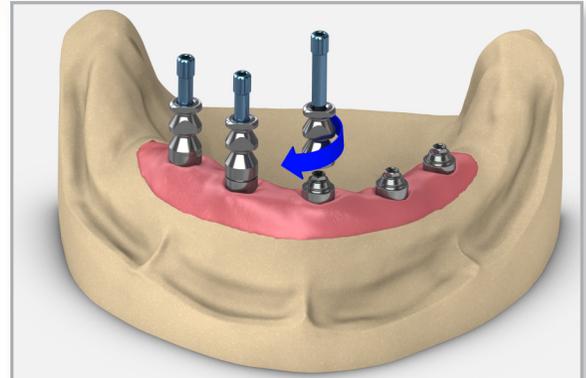
Lab step - Place the direct impression copings on the model

Place implant-level or Multi-unit direct pick-up copings on the model using the long prosthetic screws.



**Note:**

As an alternative, titanium temporary abutments or Multi-unit titanium copings may be used for this procedure.

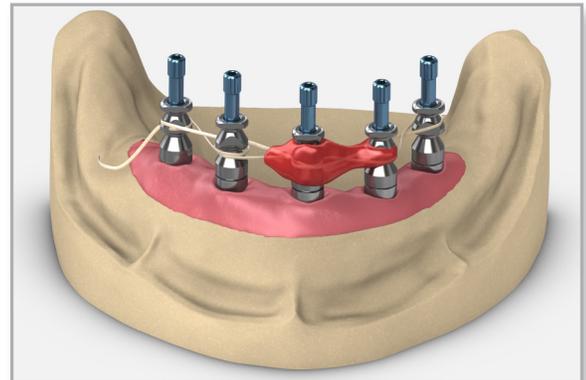


4

Lab step - Connect the impression copings

Intertwine dental floss or orthodontic wire around the direct impression copings. Apply pattern resin or a light-cured material to the impression copings while incorporating the floss or wire, luting the impression copings together. Trim, shape, and smooth the acrylic as needed for try-in.

Send the completed verification jig to the clinician for try-in.



### send to clinician

- verification jig
- abutment screws
- working model
- long abutment screws

5

Try-in the verification jig

Remove the healing caps from the Multi-unit abutments or healing abutments from the implants using an .050" (1.25mm) hex driver. Confirm the prosthetic platform is free of any debris or soft tissue.

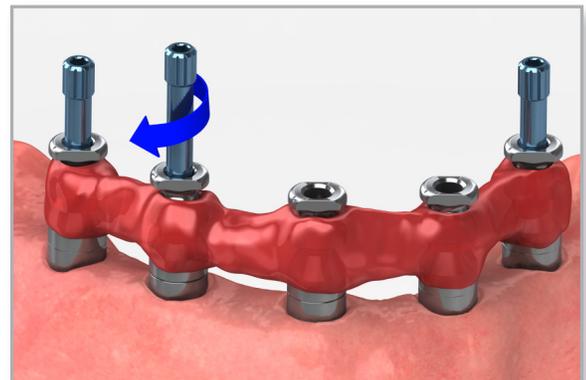
Place the verification jig and confirm that it seats passively. Beginning with the most distal implant, place the first abutment screw. Hand tighten the screw and make sure the prosthetic interface on all the remaining implants are completely seated.



**Note:**

Visually or with a radiograph, always ensure the verification jig is completely seated onto the implants or the abutments.

Continue placing the abutment screws. Verify the fit each time a screw is placed. If at any point the verification jig lifts as a screw is tightened, this indicates the jig is not passive and needs to be sectioned in that area.





## verification jig fabrication

### 6 Section the verification jig

Section the jig as necessary to create a passive fit and lute the sections together using acrylic or composite material.

Remove the modified verification jig from the mouth and replace the cover caps or healing abutments using an .050" (1.25mm) hex driver.

Return the luted verification jig to the laboratory for correction.



**Important:**  
DO NOT ATTACH the verification jig to the model.

### send to lab

- luted verification jig
- abutment screws
- working model
- long abutment screws

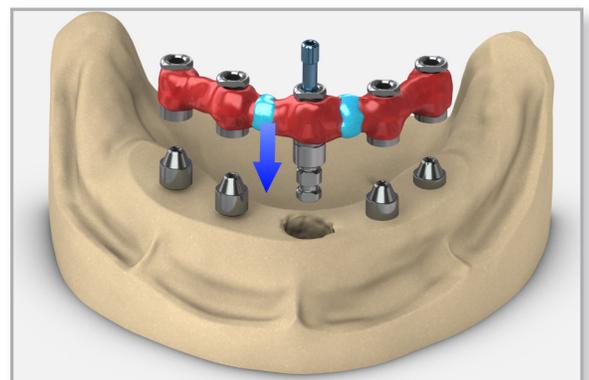
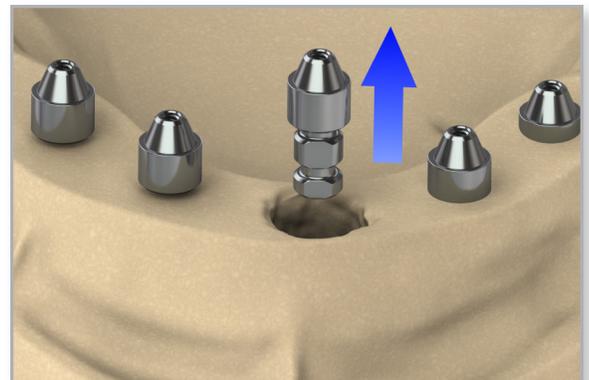
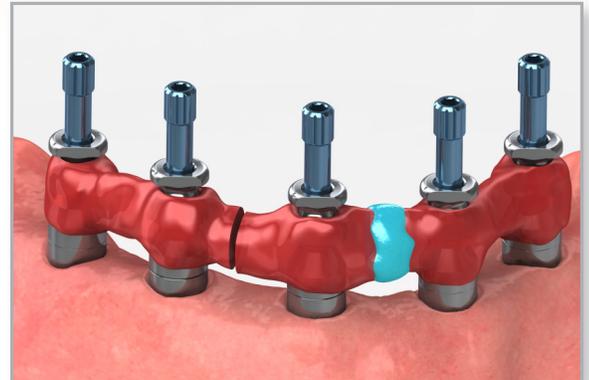
### 7 Lab step - Correct the model

Once the verification jig has been modified in the mouth, the working model must be corrected. Remove misaligned abutment replicas or implant analogs from the working model until the verification jig rests passively on the remaining replicas or analogs.

### 8 Lab step - Seat the jig on the model

Attach the removed replicas or analogs to the verification jig and seat on the model securing it to the remaining replicas or analogs. The reattached replicas or analogs will be suspended within the hole created when they were removed from the model.

Soak the model in water.





## verification jig fabrication

### 9 Lab step - Modify the model

Carefully vibrate stone into the voids around the retentive undercuts of the replicas or analogs. Allow the stone to set. Soak the model in water.

Proceed with another try-in or continue with the case.

