



Multi-unit abutment closed tray technique using the indirect transfer coping

Use this technique to make an impression of Multi-unit abutments utilizing a closed tray, indirect transfer method for fabrication of a working model at the dental laboratory. This procedure creates a model that represents the exact position of the Multi-unit abutments and the soft tissue profile.



component options

- Multi-unit indirect transfer copings
- .050" (1.25mm) hex driver
- Multi-unit hex adapter
- torque wrench
- Multi-unit abutment replicas
- Multi-unit protection analogs

1 Remove the cover caps or healing abutments

Option A - The patient presents with a provisional restoration in place.

Remove the provisional restoration with an .050" (1.25mm) hex driver. Confirm that the abutment prosthetic platform is free of any debris or soft tissue.

Option B - The patient presents with Multi-unit abutments and cover caps.

Remove the Multi-unit abutment cover caps with an .050" (1.25mm) hex driver. Confirm that the abutment prosthetic platform is free of any debris or soft tissue.

Option C - The patient presents with healing abutments.

Refer to [Multi-unit abutment hybrid or fixed-detachable screw-retained restoration](#) or [Multi-unit abutment bar overdenture](#) modules. After the abutments are seated, proceed with the steps in this technique.

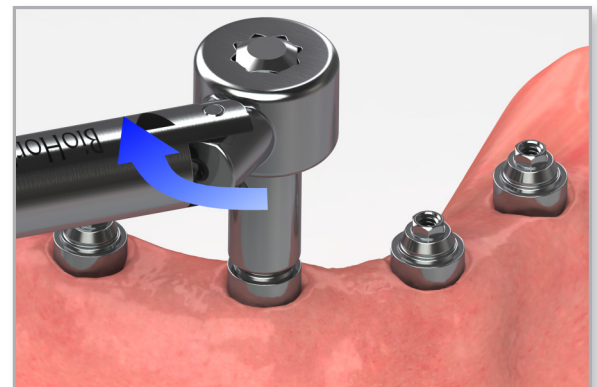
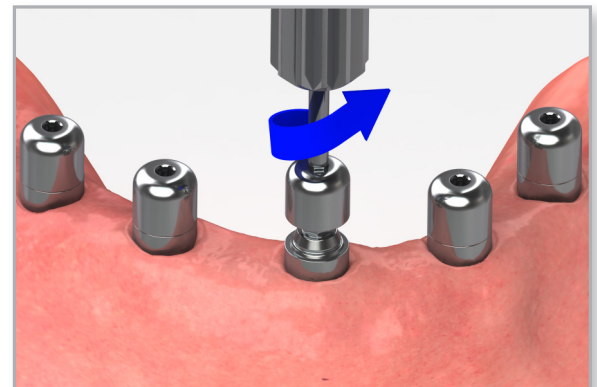


Helpful Hint:

When making impressions of multiple units, remove the cover caps and place the impression copings working from the posterior to the anterior.

2 Tighten the Multi-unit abutments

Tighten the Multi-unit abutments or abutment screws (for angled Multi-unit abutments) to 30 Ncm using a calibrated torque wrench and the 4mm square Multi-unit hex adapter (straight Multi-unit abutments) or an .050" (1.25mm) hex driver (angled Multi-unit abutments).

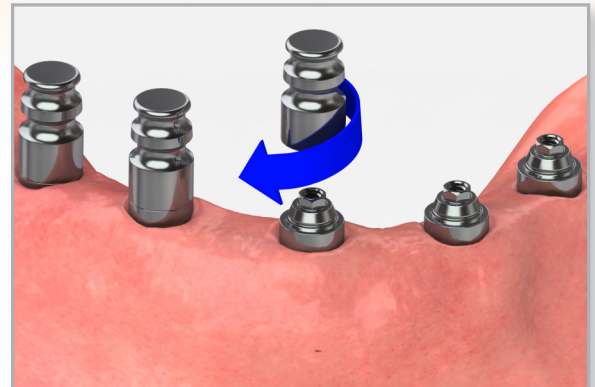




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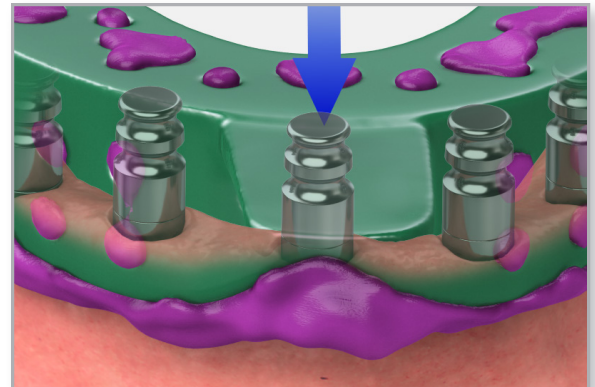
3 | Seat the indirect transfer copings

Place the Multi-unit indirect transfer copings onto the Multi-unit abutments. Hand tighten.



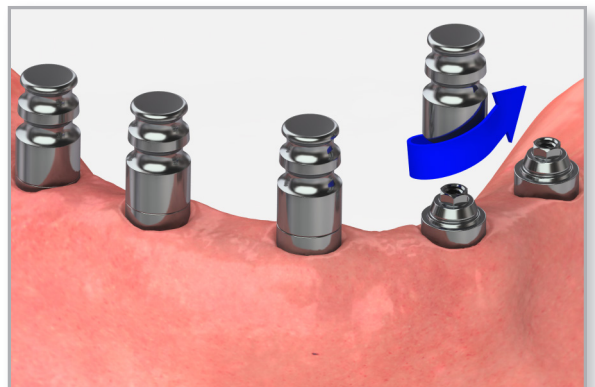
4 | Make a full-arch impression

Syringe a medium or heavy body elastomeric impression material around the indirect copings. Load the tray with impression material and make the impression.



5 | Remove the copings and impression

After the impression material has set, remove the tray from the mouth. The indirect transfer copings will remain in the mouth. Remove the indirect transfer copings from the Multi-unit abutments. Replace the cover caps on the Multi-unit abutments with an .050" (1.25mm) hex driver.



send to lab

- impression
- indirect impression copings
- Multi-unit abutment replicas
- opposing model or impression
- bite registration
- prescription with lab instructions



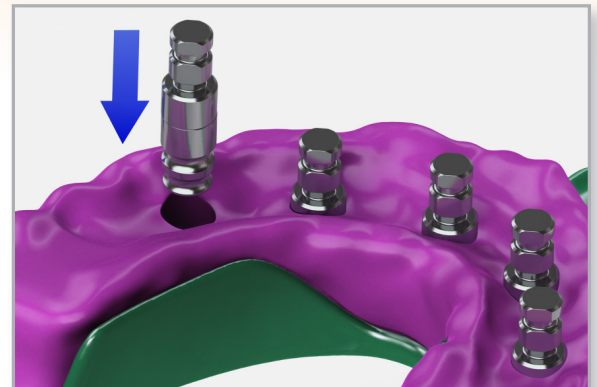
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6 Lab step - Attach the replicas to the copings

Attach the Multi-unit abutment replicas to the indirect impression copings. Insert the assemblies into the impression.

Use a soft tissue model material around the abutment replicas.

Verify proper replica seating and apply lubricant around the replicas where soft tissue needs to be added.



7 Lab step - Fabricate the stone model

Fabricate a working model in minimal expansion, high hardness die stone. Articulate using normal laboratory procedures.

