

# Simple Solutions snap-cap impression technique



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## Simple Solutions snap-cap impression technique

Use this technique to make a single or multiple-unit impression of Simple Solutions abutments with Laser-Lok. The abutments are available in two heights, 4.0 mm and 5.5 mm, and three platforms 3.5 mm (yellow), 4.5mm (green), and 5.7 mm (blue). Choose the proper Simple Solutions restorative pack that is the same height and color of the Simple Solutions abutment. The height is marked for visible recognition on the flats of the abutment.

### component options

- Simple Solutions restorative pack
- .050" (1.25mm) hex driver
- torque wrench



### 1 Remove the healing cap

Remove the healing cap and/or provisional prosthesis from the Simple Solutions abutment. Tighten the abutment screw to 30 Ncm using a calibrated torque wrench and an .050" (1.25mm) hex driver.

Select the Simple Solutions impression cap that corresponds to the prosthetic platform and abutment height. Failure to do so will result in an inaccurate impression.

Verify the abutment and restorative shoulder are dry and free of all debris. The impression cap will not seat properly unless all impediments are removed.



#### Note:

The restorative shoulder and abutment must be free of all temporary cement. The snap groove at the base of the abutment must be free of any cement residue for the impression cap to snap on completely.



#### Helpful Hint:

Gently place an appropriately sized non-impregnated retraction cord below the shoulder of the Simple Solutions abutment before making the impression. This will minimize the risk of impression material contaminating the Laser-Lok zone.



### 2 Seat the impression cap

Seat the snap cap impression transfer on the abutment. Align the internal flats of the cap with the two flats on the abutment. The exterior ridges on the cap are used as visual guides to help alignment. If the geometry at the top of the impression transfer prevents seating, it can be modified. The internal ring snaps into the groove at the base of the abutment, holding it securely in place.





## Simple Solutions snap-cap impression technique

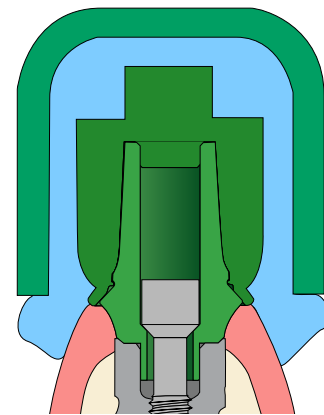
### 3 Make a full-arch impression

Syringe a medium or heavy body elastomeric impression material around and over the snap cap impression transfer. Load the tray with the same or heavier impression material.



### 4 Remove the impression

After the impression material has set, remove the tray with the incorporated cap. Verify complete adaptation of the impression material around the cap. Remove the retraction cord.



### 5 Cement the healing cap or temporary

Replace the healing cap or temporary restoration onto the abutment prior to cementation. Check the occlusion and contacts. There should only be light contact in centric occlusion and no contact in lateral excursions. Modify as necessary and polish after making adjustments.



**Important:**  
Cement the healing cap or temporary restoration following the [crown cementation technique](#) module.

Take an x-ray for patient records.



#### send to lab

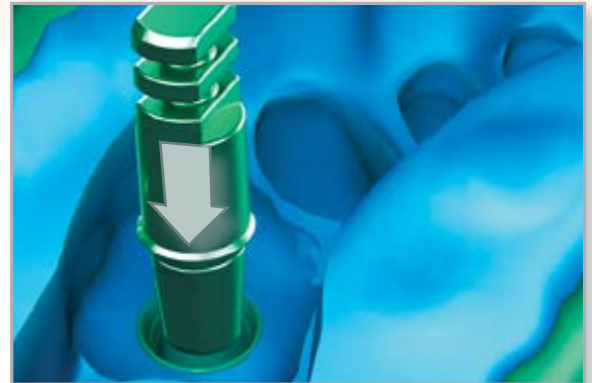
- impression with impression cap imbedded
- abutment replica
- waxing sleeves
- bite registration
- opposing model or impression
- prescription with lab instructions



## Simple Solutions snap-cap impression technique

### 6 Lab step - Index the replica

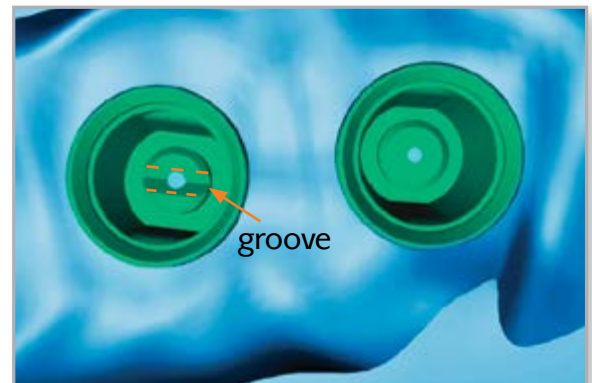
Index the abutment replica into the impression, being certain to align the flats of the abutment replica to the flats of the impression cap. The circumferential groove on the replica will engage the snap ring of the impression cap.



### 7 Lab step - Impression cap height differentiation

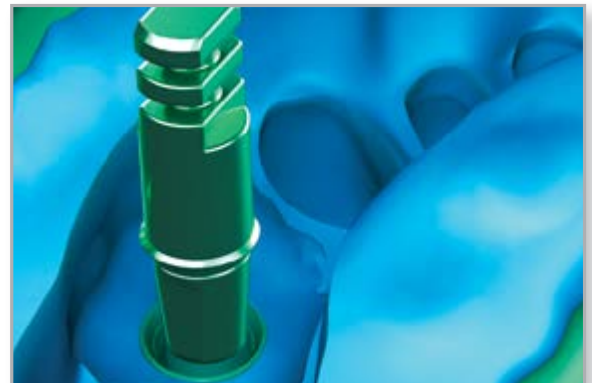
The presence of a v-groove on the core pin indicates 4.0mm cap height; the absence of a v-groove indicates 5.5mm height.

When impression caps of the same color but different heights are present, visually inspect for the v-groove before seating replicas.



### 8 Lab step - Create a soft tissue model

Verify that the abutment replica is properly seated. Apply lubricant where the soft tissue replica material is to be applied. Syringe a soft tissue replica material around the analog.



### 9 Lab step - Pour the working model

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





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