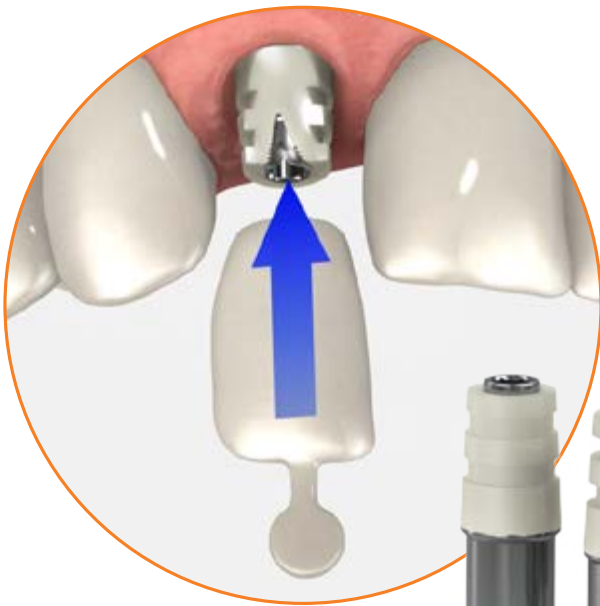


# immediate cement-retained restorations using the two-piece custom temporary abutment



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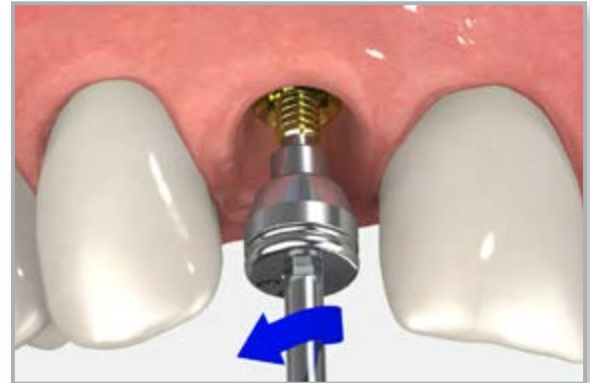
## immediate cement-retained restorations using the two-piece custom temporary abutment

The two-piece custom temporary abutment is intended for single-unit, cement-retained restorations and consists of an abutment and a PEEK plastic sleeve. The plastic sleeve is designed to be a coping for temporary restorations. This abutment is designed for chair-side restorations for developing optimal soft tissue contour and can be used when immediate load is indicated.



### component options

- two-piece custom temporary abutment
- .050" (1.25mm) hex driver
- torque wrench
- abutment prepping handle



### 1 Remove the healing abutment

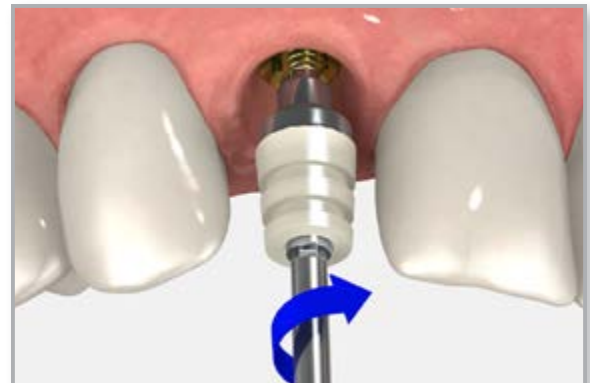
Remove the healing abutment with an .050" (1.25mm) hex driver. Make sure the implant prosthetic platform is free of bone and soft tissue.

### 2 Place the custom temporary abutment

Place the two-piece custom temporary abutment and hand tighten using an .050" (1.25mm) hex driver.

Take a radiograph along the long axis of the implant to ensure the abutment is seated completely.

Tighten the abutment to 30 Ncm using a calibrated torque wrench and an .050" (1.25mm) hex driver.



**Important:**  
Tightening the abutment base to 30 Ncm is not recommended if the temporary is placed at the time of surgery.

### 3 Modify the abutment

If necessary, modify the abutment post and the plastic sleeve for vertical clearance using a carbide or diamond bur.



**Important:**  
To protect the internal hex engagement, the abutment post height should not be reduced more than 2mm. Use the notch on the post as a guideline.



**Note:**  
The plastic sleeve should engage the hex at the base of the titanium post on the abutment when seated completely.





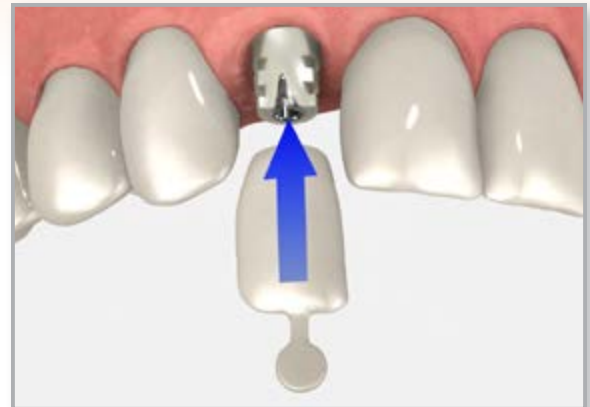
## immediate cement-retained restorations using the two-piece custom temporary abutment

### 4 Prepare the shell crown

Seat the appropriate polycarbonate/shell crown and modify as needed following conventional procedures.



**Helpful Hint:**  
Block-out any undercuts on the adjacent teeth as necessary to prevent locking the temporary in place.



### 5 Fill the shell crown with acrylic

Mix acrylic or a material of choice and place enough material inside the shell crown to cover the two grooves on the plastic sleeve to ensure the crown will be picked up. Position the shell crown over the abutment post/sleeve assembly.



**Note:**  
Care must be taken to minimize the amount of reline material placed in the shell crown to prevent the crown from being locked onto the abutment base.



### 6 Pick up the abutment sleeve

Remove the relined shell crown. The plastic sleeve should be picked up in this procedure. Fill in any voids and add material to establish the desired emergence contour of the temporary. 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.





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### 7 Cement the crown

Place a small amount of temporary cement around the inside margin of the crown.



Important:  
See [crown cementation technique](#) module.



### 8 Deliver the temporary crown

Seat the temporary crown on the abutment post, engaging the hex at the base of the abutment.

Remove all excess cement from the sulcus.

Modify as necessary and polish after making adjustments.









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