



## ball abutment impression technique

Use this technique to make an impression of ball abutments for the fabrication of a new or relined denture with the retentive caps of choice (ball abutment set or O-ring attachment set) processed in the denture. Ball abutments are available in 1mm, 3mm and 5mm collar heights for the 3.5mm and 4.5mm platform and 1mm and 3mm collar heights for the 5.7mm platform.

**Note:**

The ball abutment shoulder should be 1mm supragingival to prevent soft tissue impingement when the denture is seated.

**Important:**

Always measure the tissue at the highest point when selecting the appropriate ball abutment.



### component options

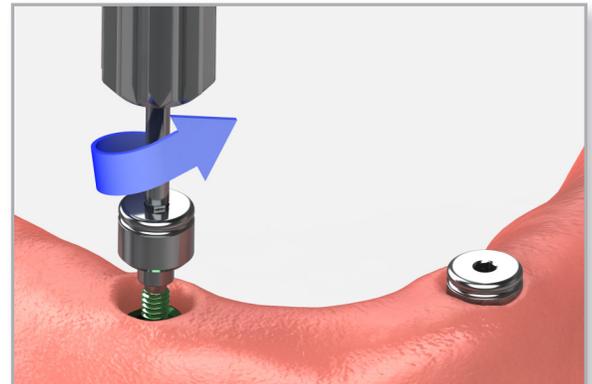
- ball abutment
- ball abutment analog
- .050" (1.25mm) hex driver
- torque wrench
- ball attachment set or o-ring attachment set

**1****Remove the healing abutments**

Remove the healing abutments using an .050" (1.25mm) hex driver. Confirm that the prosthetic platforms are free of any bone debris or soft tissue. Irrigate the internal connection of the implants and dry.

**Helpful Hint:**

When working with multiple implants. Remove one healing abutment at a time, replacing it immediately with a ball abutment. This reduces the likelihood of soft tissue collapsing onto the implant.

**2****Place the abutments**

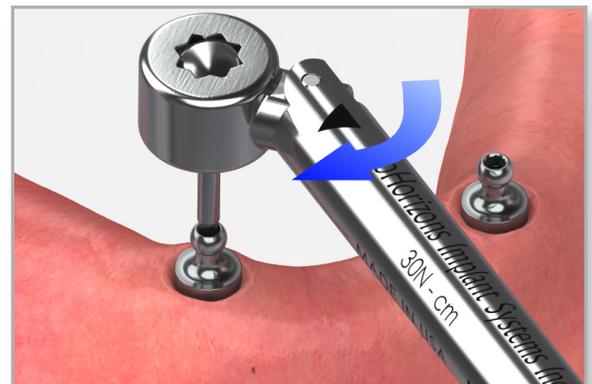
Place the ball abutments onto each implant using an .050" (1.25mm) hex driver.

Take a radiograph along the long axis of the implants to ensure the abutments are seated completely in onto the implants.

**Note:**

The X-ray tube must be positioned perpendicular to the implant prosthetic platform.

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

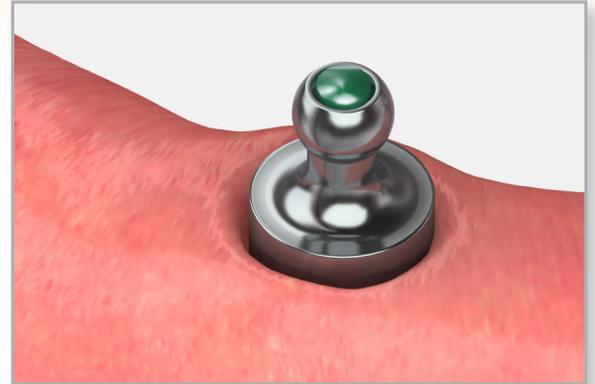




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### 3 Block out the hex hole

Block out the hex hole on the top of each ball abutment with a material of choice.

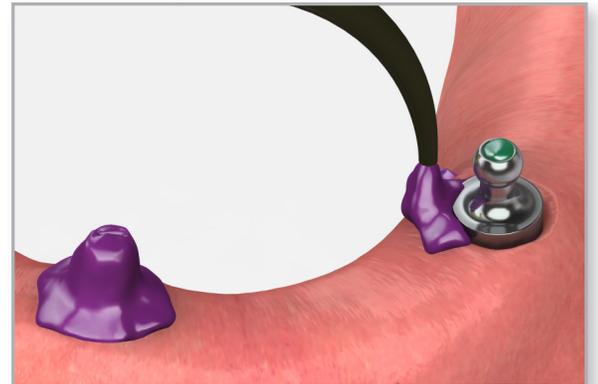


### 4 Make a full-arch impression

Syringe a medium or heavy-bodied elastomeric impression material around the ball abutments. Make a denture impression to record all soft tissue contours for the new denture fabrication.



**Note:**  
If a reline impression of an existing denture is being used, relieve the denture to accommodate the height of the ball abutments and proceed with steps 1-4.



### 5 Modify the existing denture

Relieve the existing denture to accommodate the height of the ball abutments. A soft liner may be used to reline the denture and provide a transitional degree of retention prior to the fabrication of the new denture.



#### send to lab

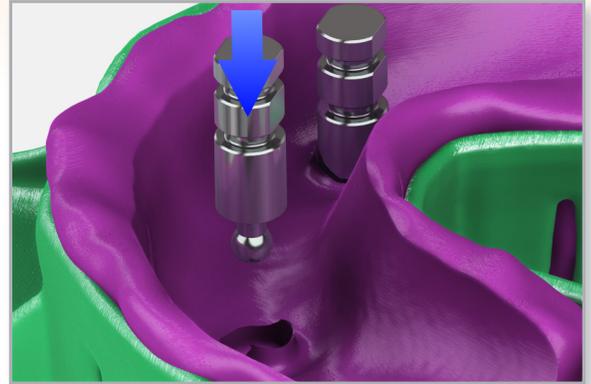
- impression
- ball abutment analogs
- ball attachment set or o-ring attachment set
- bite registration
- opposing model or impression
- prescription with lab instructions



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### 6 Lab step - Seat the analogs

Insert the ball abutment analogs in the corresponding location in the impression.



### 7 Lab step - Fabricate the stone model

Fabricate a working model and articulate according to normal laboratory procedures.

