

Technical Procedures

CLINICAL PROCEDURE

Placement of COC Angled Abutment

Step 1: Remove the cover screw from the implant using a .048" Hex Driver. Place the Angled Abutment Try-in (15° or 20°) into the implant to determine the proper angle correction needed. After selecting the appropriate abutment, place the abutment utilizing a .048" Hex Driver. If the abutment does not require modification, tighten the abutment screw using a 30Ncm Accu-Torque Wrench and a .048" Accu-Torque Driver.



Modification to the height, buccal/lingual and/or mesial/distal contours may be performed intra-orally using copious amounts of water. Once the final modifications have been made, torque the abutment screw with a 30Ncm Torque Wrench and a .048" Accu-Torque Driver.

Step 2: Block out the screw access hole with a retrievable material. Take a final impression of the Angled Abutment. If the margin is subgingival, use of retraction cord may be necessary to expose the margin.

Fabrication of Temporary Restorations

Step 1: For fabrication of a temporary restoration, take the impression as described above. Follow conventional crown and bridge techniques for the fabrication of a temporary restoration for the COC Angled Abutment.

LABORATORY PROCEDURE

Master Model and Final Restoration



It is recommended to pour the impression using a hard die stone or epoxy. Pin and cut out the Angled Abutment die following conventional crown and bridge techniques. A soft tissue model may be useful for restorations in the esthetic zone.

Step 1: Fabricate the wax coping pattern using traditional crown and bridge techniques.



When waxing the understructure, use of a die spacer is recommended.

Step 2: Sprue, invest and cast the waxed understructure using conventional crown and bridge techniques. After the metal understructure has been removed from the casting ring, cleaning the investment with a chemical divesting material is recommended.

Step 3: Apply opaque and porcelain following conventional crown and bridge techniques.

CLINICAL PROCEDURE

Final Restoration

Step 1: Remove the temporary prosthesis from the patient's mouth. Check that the temporary cement is completely removed from the abutment and the collar of the implant. Place the final restoration onto the abutment prior to cementation. Check the occlusion, contacts and margin integrity (there should be no occlusal contacts in excursive movements and only light contact in centric occlusion). Once satisfied, use temporary cement for easier retrievability if future access to the abutment/screw is desired.