

Diagnostic Wax-Up Requirements

For many of our products, it's critical the diagnostic wax-up accurately represent the final restoration via good-quality denture teeth and waxed gingiva. The contours of the teeth and the gingiva will be replicated in your final prosthesis. The quality of the diagnostic wax-up will be reflected in the final prosthesis, and it is critical for the patient and doctor to scrutinize the diagnostic wax-up during the try-in phase to ensure the aesthetic and functional demands will be addressed properly.



Figure A

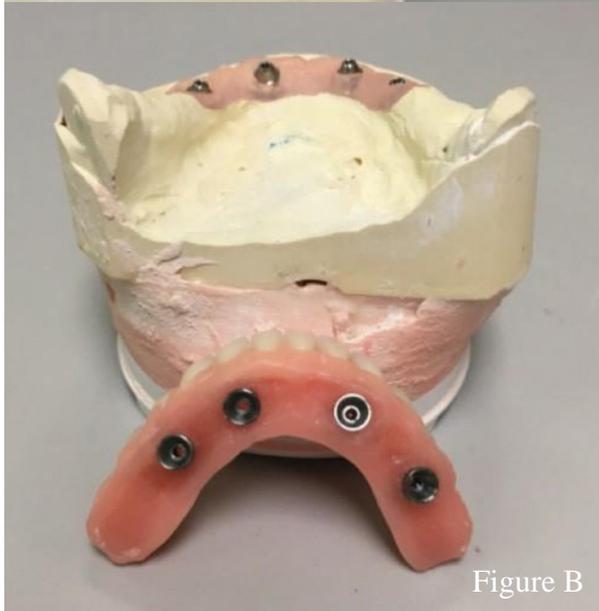


Figure B

Diagnostic Wax-Up Requirements:

- Review vertical dimension
- Screw-retained with 3+ new copings to prevent movement
- Avoid using large flanges unless required
- Create appropriate emergence profile and intaglio contours
- Include any gingival contours or festooning
- Refine occlusion of denture teeth, as it will be copied to the final prosthesis

Vertical Dimension

Cagenix recommends a minimum vertical dimension of 10 mm for all cases, but larger vertical dimension may be required due to the requested length of the distal extensions or to accommodate large bar spans. Once the case is mounted on the articulator, review the vertical dimension from the crest of the edentulous ridge to the occlusal surface of the opposing arch. (See Figure A.)

Screw Retained Copings

It is critical that the diagnostic wax-up of the denture teeth be secured to prevent movement during the try-in visit and the scanning of the wax-up. Therefore, a screw retained diagnostic wax-up with denture teeth is needed. It assures an accurate transfer of the occlusal, aesthetic and phonetic relationships to be transferred to the master cast. Cagenix will reproduce these design characteristics in the prosthesis. (See Figure B.)

Utilize 3 or more new screw-retained copings to retain the diagnostic wax-up to the master model.

A light cured or auto-polymerizing tray material can be applied to the master cast engaging the retention slots of the copings.

(Continued)



Figure C



Figure D



Figure E

Emergence Profile and Intaglio Contours

The diagnostic wax-up should be refined to provide the appropriate emergence profile and intaglio contours for soft tissue contact to the edentulous ridge. DO NOT include any large flanges extending into the vestibules unless required for the case. Review potential areas for ridge lap that may create issues for the patient to clean under the restoration. These features will be duplicated in your restoration. (See Figure C.)

The intaglio contours also need to be refined to confirm the appropriate soft tissue contact with the edentulous ridge and ensure proper phonetics and an ability for the patient to clean under the restoration. The intaglio contours of the diagnostic wax-up will be scanned and incorporated into the design unless specified on the order form.

Gingiva Contours

Include the appropriate level of gingiva contours or festooning that you would like to see in the final prosthesis. Our staff will be utilizing your diagnostic wax-up as a guide in applying any required porcelain or acrylic to your case. (See Figure D.)

Occlusion

Make any necessary occlusal adjustments to the denture teeth. These occlusal adjustments will be copied in the final prosthesis. It is always recommended to photo document your occlusal scheme for your own records while mounted on your articulator. (See Figure E.)

Case Rejection

Cases may be rejected due to factors such as poor implant placement / position, exiting of screw-access holes or lack of restorative space. Cases may also be returned / rejected due to poor quality of diagnostic wax-up with denture teeth.

Final Step: Aesthetic Try-In Phase

Doctors should review a number of different aspects of the case with the patient during the aesthetic try-in visit. The doctor should review the midline, smile line, occlusion, line angles of the teeth and shade. Have the patient smile multiple times with varying degrees to ensure the aesthetics are optimal. The doctor should also have the patient speak with the try in properly positioned to determine any impact regarding phonetics.

At this time, it is appropriate for the doctor to review any required flanges with the patient and the required protocols for cleaning. During the try-in phase, both the doctor and patient need to approve and sign off on the aesthetics and functional contours of the planned restoration.

If there are any questions or concerns regarding your case, call us at (866) 964-5736. If we have any questions, we will contact you via the info provided on your order form. To access the order form, visit cagenix.com/cagenix-downloads.