

MainStay™

Disposable Articulator System Pin and Pinless



Instructions for Use

MainStay™ Disposable Articulator System: Pin

Preparation

Place articulator hinge sections back to back on bench and snap together (Fig. 1).



Trim impressions to ensure fit between the trays (Fig. 2).



Main Model

To position MainStay™ pins, place preparation-side of impression above base and mark the center of the prepped tooth area (Fig. 3).



Place pins in each section of the working base you wish to remove (Fig. 4).



Be sure center of the prepped tooth is aligned with the base. (Fig. 5, 5a).



TIP: A separating medium may be used to ensure easy separation of the model from the articulator (Fig. 6).



Starting with the working side, pour die stone into impression (Fig. 7) and base.



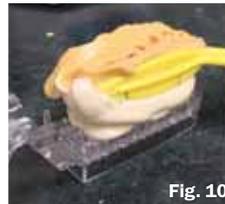
Use enough stone to fill impression and cover top of the Mainstay pins (Fig. 8).



After pouring impression, wait until stone has sufficient body before attaching to the MainStay™ Articulator (Fig. 9).



Place the impression accurately on the base. The height of the midline of the impression should be near the center of the assembled articulator (Fig. 10).



Align the posterior of the impression tray through the midline of impression with base of Articulator.

Finishing

When stone is set, separate model from the impression, then use arbor band to trim sides (Fig. 14).



Trim and section the models on base and remove the dies (Fig. 15). Return model sections to base for the first 24 hours as stone continues to expand and set.



TIP: If occlusion is not right, heat above or below the hinge area to soften articulator and properly align the occlusion (Fig. 16). Cool hinge area to fix position.



TIP: If occlusion is open, break off built-in support rods from both sides (Fig. 17).



TIP: Auxiliary support rods are available to create a stable, positive vertical stop. Place the rod into the radius cut-out (Fig. 18) in the back of articulator and place other end onto the flat portion of the opposing half (Fig. 19).



Allow stone to set slightly; remove excess with your finger, spatula or knife (Fig. 11). During excess removal, stone should be soft enough to manipulate, yet set enough to not affect the integrity of the impression's position.



Opposing Model

Invert the articulator and pour opposing base and impression (Fig. 12).



When the stone has set slightly; remove the excess with your finger or spatula (Fig. 13).



Cut appropriate length, and use MainStay™ Glue to glue the rod into place (Fig. 20).



TIP: Pin Quadrant and Pinless Quadrant articulator halves may be used together (Fig. 21).



MainStay™ Disposable Articulator System: Pinless

Preparation

Place articulator hinge sections back to back on bench and snap together (Fig. 1).



Fig. 1



Fig. 2

Be sure center of the prepped tooth is aligned with the base. The impression should also be centered between the two halves of the articulator (Fig. 3).



Fig. 3

TIP: A separating medium may be used to ensure easy separation of the model from the articulator (Fig. 4).



Fig. 4

Processing

Starting with the working side, pour die stone into impression (Fig. 5) and base.



Fig. 5

Wait until stone has sufficient body before attaching to the MainStay™ Articulator (Fig. 6).

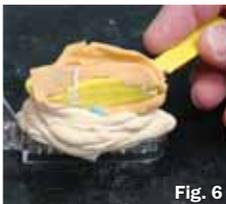


Fig. 6

Allow the stone to set slightly; remove excess with your finger, spatula or knife (Fig. 7). During excess removal, stone should be soft enough to manipulate, yet set enough to not affect the integrity of the impression's position.



Fig. 7

Opposing Model

Invert articulator and pour opposing base and impression (Fig. 8).



Fig. 8

Align the posterior of the impression tray through the midline of the impression with the base of Articulator. When stone has set slightly; remove excess with finger or spatula (Fig. 9).



Fig. 9

Finishing

When stone is set, separate model from the impression, then use arbor band to trim sides (Fig. 10).



Fig. 10

Section models on base and remove the dies (Fig. 11) using a rocking motion if necessary. Return model sections to the base for the first 24 hours as stone continues to expand and set.



Fig. 11

TIP: If occlusion is not right, heat above or below the hinge area to soften the articulator and properly align the occlusion (Fig. 12). Cool the hinge area to fix the position.



Fig. 12

TIP: If occlusion is open, break off built-in support rods from both sides (Fig. 13).



Fig. 13

TIP: Auxiliary support rods are available to create a stable, positive vertical stop. Place the rod into the radius cut-out (Fig. 14) in the back of one half of the articulator and place the other end onto the flat portion of the opposing half (Fig. 15).



Fig. 14



Fig. 15

Cut appropriate length, and use MainStay™ Glue to glue the rod into place (Fig. 16).



Fig. 16

TIP: Pin Quadrant and Pinless Quadrant articulator halves may be used together (Fig. 17).



Fig. 17



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