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).

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).

**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).

**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.

**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).

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

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

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

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

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

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

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

**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.

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.