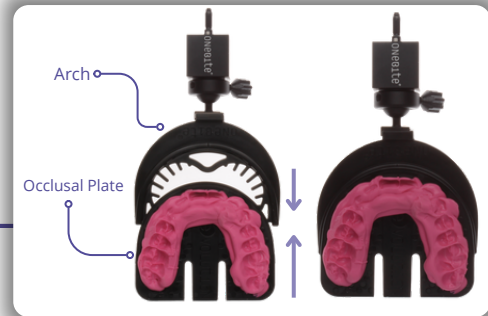


## TECHNICIAN SYSTEM PROTOCOL



- 1** The lab will receive the cube, occlusal arch, the values, and a picture of Z and Y values from the doctor.



- 2** Connect occlusal plate with bite material to arch. Remember the cube has the maxillary arch record locked into the cube so do not unscrew or move the ring around the ball joint.



- 3** Choose your articulator (OneBite Evolution is compatible with Stratos, Artex, Panadent, Denar Mk2, Denar MK320, Kavo, and SAM).



- 4** Remove the upper articulator member and the pin stopper.



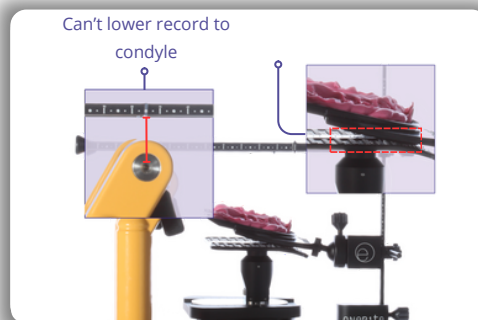
- 5** Place the core onto the articulator plate aligned to the raised markers at 0. Place one side of the core in correct 0 position and lower other side for easiest placement.



- 6** Attach the magnetic articulator plate with the core at 0 and the OneBite evolution slider to the articulator. Then place the Magnetic disposable mounting plate to core.

**S1** Every articulator has a different distance between the lower mounting plate and the condyle. The case baseline (Z) and midline (Y) measurements and the brand of articulator you're using will determine whether you will use the long core or short core to mount the case. Below is a chart to know if you will need the long or short core for mounting.

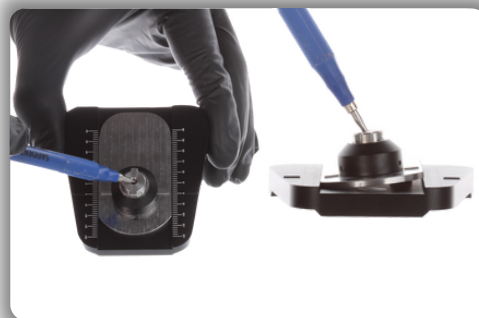
ARTICULATOR	LONG CORE	SHORT CORE
STRATOS	Midline (Y): 25 and below	Midline (Y): 25 and above
ARTEX	Midline (Y): 45 and below	Midline (Y): 45 and above
DENAR MARK 2	Midline (Y): 36 and below	Midline (Y): 36 and above
DENAR MARK 320	Midline (Y): 50 and below	Midline (Y): 50 and above
SAM	Midline (Y): 35 and below	Midline (Y): 35 and above
KAVO	Midline (Y): 35 and below	Midline (Y): 35 and above
PANADENT	Midline (Y): 55 and below	Midline (Y): 55 and above



SHORT CORE ATTACHMENT



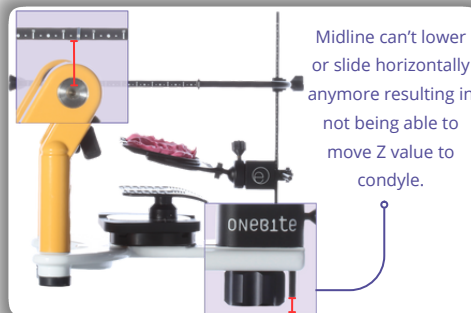
To place the short core align the raised markers on the core to the raised markers on the articulator plate at 0 degrees. Insert a small tool on top to drop it into position.



If you need to readjust the short core use a small tool and insert into the top and disconnect the short core for adjustments.

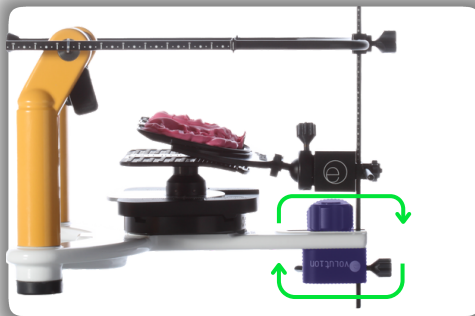
**S2** Every articulator has a different distance between the front pin and the condyle. The case baseline (Z) and midline (Y) measurements and the brand of articulator you're using will determine if you need to flip the short core vertically or flip the short core horizontally.

ARTICULATOR	FLIP SLIDER VERTICALLY	FLIP SLIDER HORIZONTALLY
STRATOS	Baseline (Z): 46-62mm	Midline (Y): 50-66mm
ARTEX	Baseline (Z): 45-63mm	Midline (Y): 60-76mm
DENAR MARK 2	Baseline (Z): 52-66mm	Midline (Y): 56-75mm
DENAR MARK 320	Baseline (Z): 50-65mm	Midline (Y): 50-60mm
SAM	Baseline (Z): 52-70mm	Midline (Y): 52-70mm
KAVO	Baseline (Z): 57-75mm	Midline (Y): 35-70mm
PANADENT	Baseline (Z): 55-70mm	Midline (Y): 72-90mm

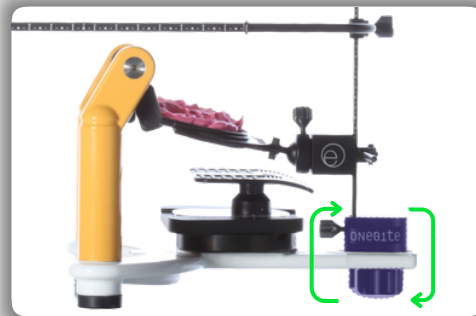


FLIP SLIDER VERTICALLY

FLIP SLIDER HORIZONTALLY



Take the slider out of the articulator and flip it over vertically so the articulator pin stopper screw faces up and slider front screw faces out. Re-insert midline into slider and tighten the front screw.



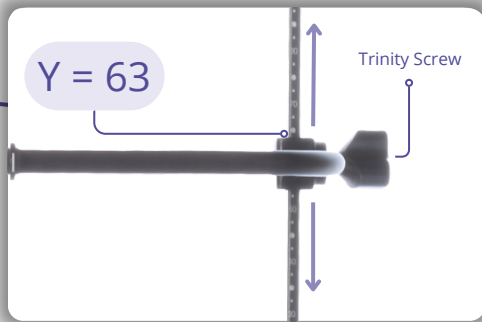
Take the slider out of the articulator and flip it over horizontally so the slider front screw faces toward the mounting plate. Re-insert midline into slider and tighten the front screw.



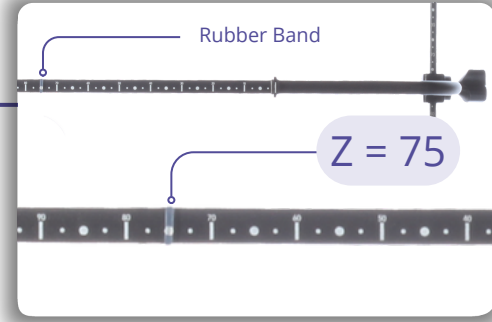
7 Secure the slider with the articulator's pin stop screw by screwing it tightly. If you have a Kavo or Artex articulator use the provided OneBite Screw in your kit for these specific articulators. The specific plate and slider will vary depending upon the brand of articulator.



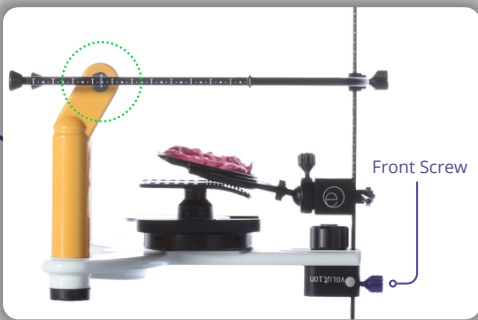
8 Attach the midline bar, horizontal bar, and baseline to the cube.



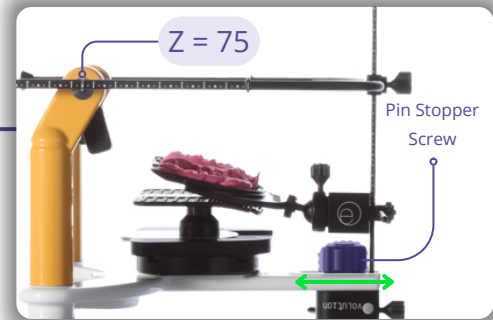
9 Once you have all the parts attached, slide the midline bar to the provided midline (Y) value that the doctor gave. Ensure the number is on the top of the baseline as shown and tighten trinity screw.



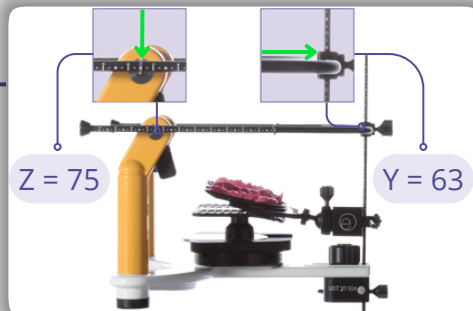
10 Slide the rubber band on the baseline to the baseline (Z) value that the doctor provided to mark this number.



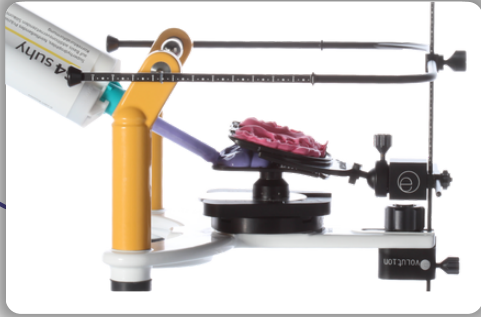
11 Align the baseline to the condyle by loosening the front screw of the slider and adjusting the midline up or down. If the transfer plate is slightly touching the arch you can move the core back on the articulator plate for more room. Ensure that there is enough surface to lock in the record with the bite material.



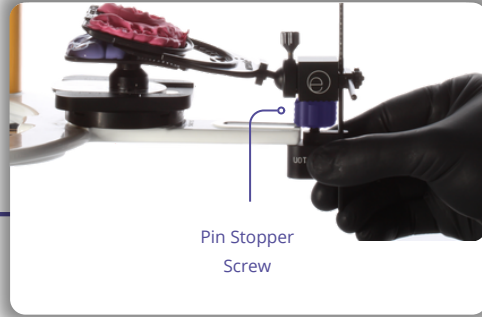
12 Align the baseline measurement (Z) value the doctor provided to the center of the condyle. To do this you can adjust the slider back and forth by adjusting the articulator pin stopper screw. This will allow you to move the whole system to align the Z value to the condyle.



13 Once your record is in the correct position, confirm the numbers the doctor provided are in the correct position. Baseline (Z) value is aligned with center of condyle (in this case 75) and the midline value (Y) located on top of the baseline is locked in correctly (in this case 63).



**14** Apply fast setting bite material between the disposable occlusal plate and the occlusal arch, ensuring application on both the back and front for complete security.



**15** Once the bite material is fully set, remove the screw from the slider and slide out all components including the arch, leaving only the occlusal plate attached to the mounting table.



**16** If this does not slide out with ease, remove the nut from the cube and use the slider to slide out all components, leaving cube in place. Then, remove arch and cube from occlusal plate. Make sure that you loosen the pin stopper screw and that the cube nut holding the bars is removed before removing the apparatus from the cube.



**16a** Remove the cube attached to the arch from the occlusal plate.



**17** Position the upper model cast over the occlusal plate.

# STYLUS PROTOCOL

*\*Sold Separately\**



**18** This step is for technicians who utilize the stylus and want to grind to the proper baseline for mounting. Use the stylus and make a horizontal mark on the model around its entirety with the pencil lead, marking your baseline. For midline marking, re-insert the slider and place the stylus midline attachment into the slider, and disconnect the stylus pencil to mark.



**19** This step is for technicians who utilize the stylus and want to mark the proper midline for mounting. Insert the slider into the articulator with the midline marker inserted. Adjust the midline marker to the preferred height using slider screw. Remove the stylus pencil, insert it in the midline marker arms, and mark the midline on the model.



**20** If you have used the stylus to mark the baseline, use your model grinder to grind up the line. If you have not used the stylus, grind your model per usual.

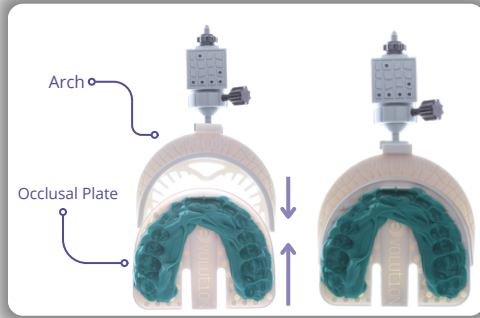


**21** Now place your properly grinded and based model back (your model is now parallel to the baseline).

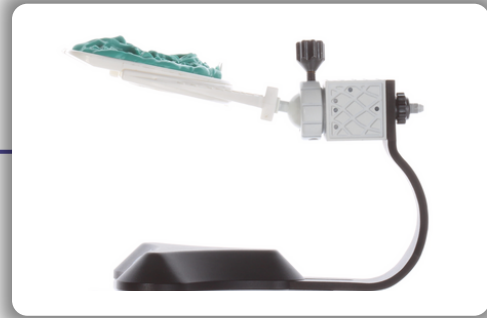


**22** Re-attach the upper member of the articulator and pin stopper (while model sitting in arch is connected to mounting table as shown in previous step). Fill the space with plaster to securely mount the upper arch. Once the plaster is set, remove the occlusal plate and mount the lower arch to the upper.

# TECHNICIAN SYSTEM DIGITAL CUBE PROTOCOL



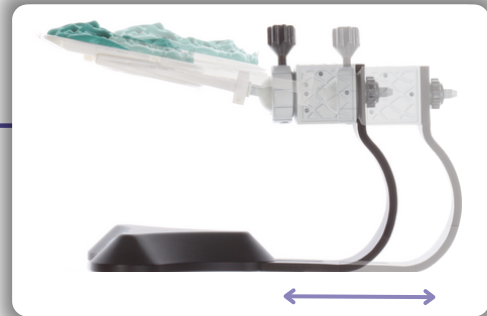
- 1** Connect occlusal plate with bite material to arch. Remember the cube has the maxillary arch record locked into the cube so do not unscrew or move the ring around the ball joint.



- 2** Attach the digital cube to the technician cube holder and secure it with the cube nut. The technician cube holder is sold separately.



- 3** Place the cube into the technician cube holder and confirm that the cube and bite are in scanning view. If needed, move the cube holder arm to make adjustments.



- 4** To adjust the cube holder arm, unscrew the screw on the bottom of the holder and adjust back or forth to fit into your desktop scanner, scanning view.

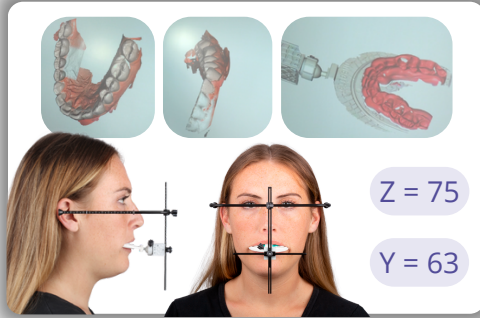


- 5** Scan the cube and the bite scan in the technician cube holder within your desktop scanner.

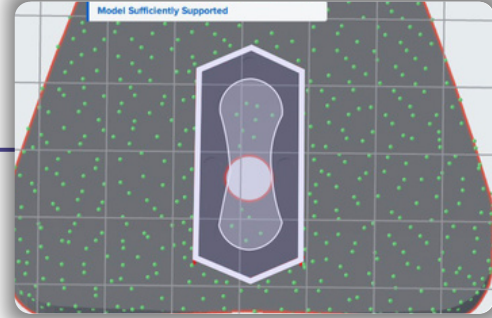


- 6** Now that the cube and bite is scanned, you can either continue with the 3Shape protocol or submit the files to the Digital Portal for articulation and digital adapter processing on our website.

# DIGITAL MOUNTING ADAPTER PROTOCOL



- 1 Upload the patient's upper, lower, bite, and OneBite cube scans. Also, upload the photos of the front and side of the patient with the OneBite Evolution. Enter the baseline (Z) and midline (Y) value in the Rx form along with the type of articulator you're using to the digital portal on our website.



- 2 When printing the upper and lower models, ensure that the supports are in the figure 8 pattern and **not** in the flat pattern with the pin holes.



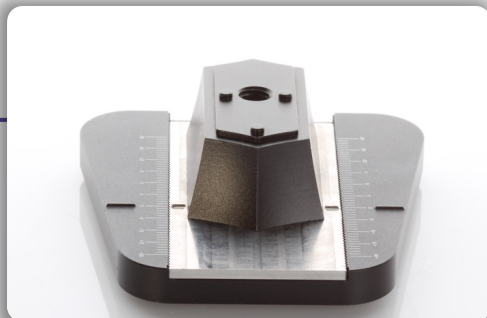
- 3 Once you have correctly added the supports, print the upper and lower models.



- 4 In the case that you have supports on the surface outside of the figure 8 pattern, make sure to clean any excess material from supports to enable flush fitting onto the adapter.



- 5 Each model will have a riser number printed on the bottom. This will correlate how many risers you will add to the corresponding upper or lower adapter.

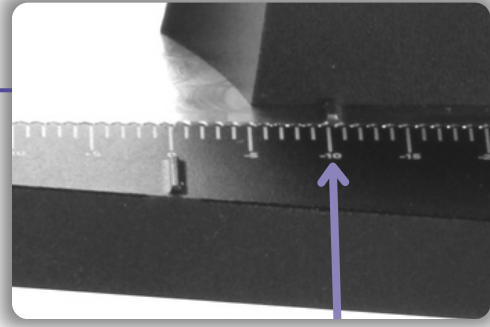


- 6 Place the upper and lower adapters on the articulator plates. Align the raised steel base lines to the raised plate lines at 0. Also, check that the front of the adapter base is flush with the edge of the articulator plate.





**7** If the models show a number next to “plate”, you will align the raised line on the steel base of the adapters back or forward to the articulator plate measurement .



**8** For example, if the models show Print: -10mm you will place both the lower and upper adapters aligned with the -10mm marking on the adapter plates. You can do this by positioning the raised lines from the adapter steel base to the number on the articulator plates.



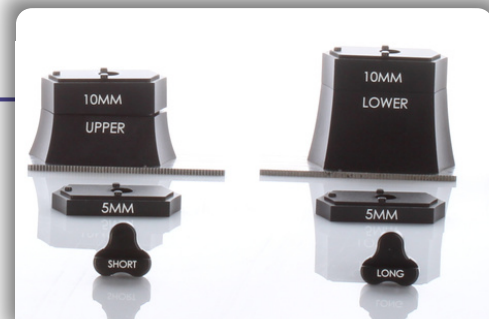
**9** Once the adapters are correctly aligned on the articulator plates, continue to the next step.



**10** Refer to the risers needed on the bottom of the Upper arch. In this case, the upper requires a riser of 5mm.



**11** Refer to the risers needed on the bottom of the Lower arch. In this case, the lower also requires a riser of 5mm.



**12** Place the amount of risers marked on the bottom of the upper arch to the upper adapter and the number of risers marked on the lower arch to the lower adapter. Attach the risers by matching the pins to the holes in the riser.



- 13** To secure the models onto the adapters, you will need to use the long screw for the lower and the short screw for the upper.



- 14** Secure each upper and lower model to the corresponding adapter. To do this, you will match the pins into the pattern on the 3D print.



- 15** Place the lower model into the lower member of the articulator by the magnetic articulator plate. You will repeat this process for the upper member. Your case is now articulated in the true maxillary arch position provided by the digital OneBite Evolution record captured by the clinician