



Mouthguard with Occlusal Indexing

Safety glasses should be worn for all lab procedures as well as gloves when handling acrylics. Items featured in this technique are found on the last page.



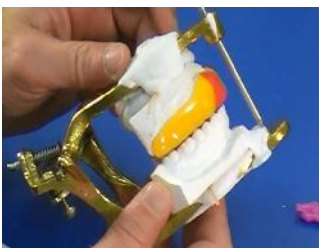
- 1 Before the occlusal indexing of the opposing arch can be incorporated, the mouthguard is fabricated. Attach the upper and lower models to an articulator. A bite registration is usually provided by the clinician that is made to the desired opening.



- 2 The upper and lower model bases are scored with a lab knife to help secure them to the articulator mounting. Place the bite registration between the upper and lower models and secure in place with a rubber band. The articulator's bite-setting pins are opened before the mounting procedure. Use a mounting stone or plaster to attach the models to the articulator. Measure and thoroughly mix the mounting materials. Apply mounting materials to the bench top and rest the bottom of the articulator over the top of the material. Add additional mounting material to the articulator and position the lower model base on the mounting material. Apply mounting material to the upper model base and close the top articulator member. Continue applying additional mounting material to lock upper articulator member to the model. Allow to cure for approximately 15-30 minutes.



- 3 Set the two bite pins on the articulator to hold the bite reference. Cut the rubber band holding the models within the bite reference. Open the articulator and remove the bite.



- 4 Place the mouthguard that has already been fabricated onto the model. Make sure the mouthguard is completely seated.



- 5 Adjust the torch to slightly reduce temperature while maintaining a blue-tip flame. Both air and gas adjustments should be at half setting. Apply heat along occlusal surface of arch making about 6-8 passes.



- 6 Close the articulator to the bite pin setting. This will capture the occlusal surface of the opposing arch. Allow to cool for 3-4 minutes before opening the articulator.



- 7 If deeper tooth impressions are needed, repeat the heating process.

Items featured in technique:

235-010	Astro Spec Safety Glasses (reg./blue)
235-062	N-Dex Non-latex Gloves (Med)
051-001	Articulators (051-002, 051-003)
215-009	Mounting Stone (215-010)
056-045	Leaf Gauge
100-005	ACU-Flow™ Bite Registration Material
210-085	Spatula (165-002)
210-108	Flexibowls (210-109)
220-023	#55 Plate Shears
175-034	Separator
075-007	Separator Brushes
080-006	Micro Torch
080-009	Gas Refill
170-005	Lab Knife



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