

Company		Airway Management Inc		Distar LLC		Myerson LLC
Product Name		Thornton Adjustable Positioner (TAP)	TAP-PAP	The Adjustable TheraSnore	TheraSnore II	EMA custom oral appliance
Website		www.tapintosleep.com	www.tapintosleep.com	www.distar.com	www.distar.com	www.myersontooth.com/sleepbetter
Warranty		1 year	1 year	90 days against manufacturing defect and workmanship	1 year against manufacturing defects and workmanship	n/a
Indications	Mild to Moderate OSA	X	X			X
	Severe OSA					
	Snoring	X		X	X	X
	Bruxism					
	Other					
Type	Custom	X	X		X	X
	Noncustom					
	Boil and Bite			X		
How It Works		The TAP stabilizes the jaw in the appropriate protrusive position to prevent airway collapse and tongue blockage; and keeps jaw closed. It has a full range of adjustment to maximum protrusion.	The TAP-PAP combines the TAP 3 mandibular advancement device with a custom, strapless CPAP mask. By stabilizing the jaw and airway before positive pressure is added, the TAP-PAP treats patients who need more treatment than an oral appliance alone and those who can not tolerate high CPAP pressures.	Gently holds the lower jaw forward, preventing the tongue and soft palatal tissues from falling back and obstructing the airway during sleep.	Gently holds the lower jaw forward, preventing the tongue and soft palatal tissues from falling back and obstructing the airway during sleep.	EMA uses interchangeable elastic straps and posterior bite pads attached to pressure-formed upper and lower trays, which allow gradual advancement of the mandible and increased vertical opening until treatment is successful.
Fitting Description		Each tray is adjusted for fit and retention. Initial protrusion is set at time of delivery and can be easily modified. Posterior stops can be added for comfort, if necessary.	The dentist takes a special impression of the lower portion of the patient's face and sends it to the lab to fabricate the custom mask. After receiving the TAP-PAP mask from the lab, the dentist attaches a post to the upper tray of the patient's TAP 3 device. The custom mask slides onto the post and fits on the patient's face.	Custom fit for each patient by boiling the appliance in hot water. Assorted arches available for a precise and custom fit.	Send in "PVS" impressions, with completed lab slip, to Distar. Distar will pour models, fabricate the TheraSnore II, and return appliance within 10 business days from the date received.	Fit the upper and lower appliances without the elastic straps to check for comfort and to make sure there is no gingival impingement. Check the posterior bite pads for even occlusion.
Adjustment Description		It has a precise, continuous adjustment mechanism; has one point of advancement, which prevents unequal jaw torque; is patient-adjustable; can be adjusted while in the mouth; and is easily titrated in the sleep lab.	Before attaching the mask, the dentist sets the patient's TAP in a specific position so that it no longer adjusts and serves as an anchor for the mask. The dentist adjusts the mask at the time of fitting so that it fits on the patient's face and does not leak.	Adjustable forward or backward in precise 1.5 mm increments. Unsnap the upper tray from the lower tray and advance lower tray to the next setting; snap back together.	Lower jaw can be adjusted forward or backward, in the office, by changing either the length or position of the spring. Vertical opening is also easily adjusted in the office.	The EMA appliance uses four different strengths of elastic straps in five different lengths to gradually titrate the mandible. The shorter the straps, the further the mandible is advanced.
Materials		Metal hardware: Medical grade stainless steel. Trays/linings: The outer layer of the trays is a durable polymer (polycarbonate), and there is a choice of two linings. The first lining is a thermoplastic material, ThermAcryl, which softens when heated. The second lining, the Triple Laminate (TL), consists of a dual laminate polymer plus an outer hard plastic shell.	TAP: Hard acrylic with a soft inner lining of thermoplastic or ThermAcryl. TAP-PAP mask: Hard acrylic.	Hard acrylic, soft thermal plastic	Dual laminate trays, stainless steel adjustment springs	The EMA appliance is completely metal free. The custom trays are made from a proprietary thermoplastic and the straps from a latex-free polymer.
Published, Peer-reviewed Validation Articles		Yes (citations available with online version)	Yes (citations available with online version)	Yes (citations available with online version)	No	Yes (citations available with online version)
Recommended Cleaning and Maintenance		After use, clean with a toothbrush, cool water, and antibacterial liquid soap. Soak weekly in diluted peroxide for 5 minutes.	Daily cleaning in warm soapy water using a mild detergent rinse and let dry. Use a soft tooth brush on the oral appliance.	Brush appliance after each use to remove any debris; clean every 2 days using Ortho Fresh Cold Water Cleaner.	Brush appliance after each use to remove any debris; clean every 2 days using Ortho Fresh Cold Water Cleaner.	Clean appliance in tepid water with a denture toothbrush and toothpaste or soak it in a denture cleaning solution; no mouthwash.

Company		Philips Respironics	Pro-Tex International Inc		SomnoMed	Space Maintainers Laboratory
Product Name		 SnoreSilencer Pro (United States) and SnoreSilencer (Canada)	 Bite Guard	 Snore Guard	 SomnoDent MAS	 Full Breath Solution
Website		snoresilencerpro.respironics.com snoresilencer.respironics.com	www.snoreguard.com	www.snoreguard.com	www.somnomed.com	www.appliancetherapy.com
Warranty		30 days	n/a	n/a	1 year against manufacturer's defects or breakage	90 days
Indications	Mild to Moderate OSA	X			X	X
	Severe OSA					
	Snoring			X	X	X
	Bruxism		X	X		
	Other					
Type	Custom				X	
	Noncustom	X				
	Boil and Bite	X	X	X		X
How It Works		The SnoreSilencer Pro is a heat-and-fit mandibular advancement appliance. The Precision 3 Advancement System uses three separate lower trays, each with a fixed pin setting. This facilitates three different advancement levels.	Provides a durable protective barrier that distributes the grinding forces without damage to the teeth surfaces.	Fits snugly on the upper teeth. Keeps the jaw in a normal position, preventing it from sagging back and essentially keeping the airway open for relaxed and normal breathing during sleep.	The SomnoDent MAS advances the lower mandible, which slightly tightens the soft tissue and muscles of the upper airway, preventing obstruction while the patient sleeps.	The appliance is designed to hold the tongue down and forward to prevent blockage of the airway. It does not advance the mandible, thereby eliminating possible TMD problems.
Fitting Description		The patient is fitted in the dentist chair, and the results can be enjoyed that night.	Fitted at chair side in one, 15-minute procedure. Boil, fit to the maxillary arch, bite into the bottom trough, and trim.	Fitted at chair side in one simple, 15-minute procedure. Boil, fit to the maxillary arch, bite into the bottom trough, and trim.	The SomnoDent MAS does not limit tongue space and is made up of two separate pieces so the patient can speak, yawn, and drink, resulting in high comfort and compliance.	The most popular design fits the lower arch only.
Adjustment Description		For patients considering a mandibular advancement device, the SnoreSilencer Pro is a quick and cost-effective way to introduce them to the technology. It can be fitted and worn while waiting for a custom device to be made and serve as a backup while a broken custom device is repaired.	Bite Guard may be reheated up to two times after the first trial.	Designed to be slightly adjustable, it can be reheated up to three times and the mandible can be safely moved forward up to 4 mm.	The adjustment mechanism allows the mandibular protrusion to be adjusted (titrated) in the range -0.5 to +5.5 mm from the preset level.	Requires adding to the posterior tongue restrainer based on patient's needs. Requires understanding the delivery protocol as provided by the inventor.
Materials		The outer shell is hard plastic, the inner portion is a pliable thermoplastic to ensure a comfortable fit.	(Polycarbonate) Lexan and Elvax	(Polycarbonate) Lexan and Elvax	Surgical grade stainless steel for the ball clasps and titration element; high-quality acrylic for the outer portion on both the SomnoDent MAS Flex and the SomnoDent MAS Acrylic as well as the inside liner of the SomnoDent MAS Acrylic and SMH Bflex; a proprietary material is used for the inner liner of the SomnoDent MAS Flex.	One of two materials (the doctor chooses): a heat process acrylic, called methylmethacrylate, or a Talon acrylic, which is a thermo injected nonmethacrylate-based dental material.
Published, Peer-reviewed Validation Articles		No	No	Yes (citations available with online version)	Yes (citations available with online version)	No
Recommended Cleaning and Maintenance		Brush the trays with toothbrush or finger thoroughly under cold tap water.	Clean with toothbrush and toothpaste or soap, rinse in cool water, dry completely. Occasionally soak device in a denture cleaning solution.	Using a toothbrush and toothpaste or soap, brush, then rinse in cool water, allow to dry completely, and store in the container provided. Occasionally soak device in a denture cleaning solution.	Clean daily with soft toothbrush and mild soap. Store in clean water. Soak 5 minutes in partial denture cleaner weekly.	Clean daily with Efferdent or Clean-and-Fresh.