

SLEEP APPLIANCE THERAPY | CHAIRSIDE GUIDE



	Adjustable PM Positioner™ Ultra APM Positioner™	SomnoDent® SomnoDent® Standard and FLEX	SomnoDent® SomnoDent® Fusion™ and Herbst Advanced™	Thornton Adjustable Positioner® (TAP) Appliance			EMA®
				TAP® 1 + Elite	dreamTAP®	TAP® 3	
DESIGN FEATURES							
Description	<ul style="list-style-type: none"> U/L full-coverage bite splints, permanently connected with buccal-placed advancing screws No clasps for retention 	<ul style="list-style-type: none"> Separate U/L full-coverage bite splints with side ramps and buccal-placed advancing screws Clasp retained (Except FLEX) 	<ul style="list-style-type: none"> Separate U/L full-coverage bite splints with side ramps and buccal-placed interchangeable wing for advancement (Fusion) Clasp retained (Herbst) Calibrated screw for adjustments on Herbst Adv. 	<ul style="list-style-type: none"> Separate U/L full-coverage bite splints with an anterior hook-and-bar mechanism Elite has variable positioning hooks with lingual bar Attached adjustment knob* 	<ul style="list-style-type: none"> Separate U/L full-coverage bite splints Hardware or anterior + labial, leaving more room for patients with large tongue 3 hook sizes 	<ul style="list-style-type: none"> Separate U/L, full-coverage bite splints Option of anterior hook-and-slot mechanism or Elite variable positioning hooks with lingual bar Smaller profile hook, separate key 	<ul style="list-style-type: none"> Separate U/L, full-coverage bite splints with interchangeable elastic straps for advancement
Adjustment Capability	• 10 mm protrusive/retrusive	• 5-6 mm protrusive/retrusive	• 8.5 mm protrusive/retrusive	• 10 mm protrusive/retrusive	• 12-15 mm protrusive/retrusive	• 6 mm protrusive/retrusive • Rear position adds 5 mm	• 14 mm protrusive/retrusive
Lateral Ability	• 2-4 mm	• 2-6 mm		• 7-8 mm		• 4-5 mm	• Ample lateral movement
Facial Design	<ul style="list-style-type: none"> Buccal screw mechanisms Long coverage for retention Smooth labial 	<ul style="list-style-type: none"> Buccal screw mechanisms Standard: short coverage with ball clasps for retention FLEX: Long coverage for retention Smooth labial 	<ul style="list-style-type: none"> Buccal advancement mechanism Standard: short coverage with ball clasps for retention FLEX: Long coverage for retention Smooth labial 	<ul style="list-style-type: none"> Smooth buccal Long coverage for retention Attached adjustment knob 	<ul style="list-style-type: none"> Labial screw mechanism Long coverage for retention Incisal screw port Separate key 	<ul style="list-style-type: none"> Smooth buccal Long coverage for retention Incisal screw port Separate key 	<ul style="list-style-type: none"> Buccal button attachment and interchangeable straps Long coverage for retention
Tongue Space	<ul style="list-style-type: none"> No tongue encroachment Contoured lingual flanges 			<ul style="list-style-type: none"> Hook-and-bar in anterior lingual region 	<ul style="list-style-type: none"> More room for tongue Hook + bar on labial 	<ul style="list-style-type: none"> Hook and slot in anterior lingual region 	<ul style="list-style-type: none"> No tongue encroachment
Material Choices	<ul style="list-style-type: none"> Brux-eze® Rem-e-deze® 	<ul style="list-style-type: none"> Hard acrylic with clasps FLEX 		<ul style="list-style-type: none"> Plus = Brux-eze® TL = Pressure-formed Triple Laminate 			<ul style="list-style-type: none"> Pressure-formed Biocryl
SELECTION							
Use Indicators	<ul style="list-style-type: none"> No tongue interference for patients with narrow arches, lingual tori, or large tongue Stable posterior support Limited lateral movement Easily titratable during sleep Patient needs good range of motion to seat U&L arch appliances as one piece No clasps to adjust Not recommended for heavy bruxers 	<ul style="list-style-type: none"> No tongue interference for patients with narrow arches, lingual tori, or large tongue Stable posterior support Separate appliances make seating easier Patients can open and close mouths during sleep Patients feel less confined Easily titratable during sleep Limited lateral movement Clasp retained (except FLEX) 		<ul style="list-style-type: none"> TAP 1 bar-and-hook mechanism offers the most lateral ability for heavy bruxers Patients feel less confined Separate appliances make seating easier Easily titratable in the mouth during sleep Hardware is in the anterior tongue space TAP 3 has smaller screw mechanism, but less protrusive or lateral ability than TAP 1 No clasps to adjust dreamTAP® - more room for tongue 			<ul style="list-style-type: none"> No tongue interference for patients with narrow arches, lingual tori, or large tongue Not recommended for heavy bruxers

* Attached adjustment knob can be removed after adjustments are complete.

	Adjustable PM Positioner™	SomnoDent®		TAP® Appliance			EMA®
		Standard and FLEX	Fusion™ and Herbst Adv.	TAP 1	dreamTAP®	TAP 3	
Seating and Adjustment	<ul style="list-style-type: none"> Heat in hot water (175°F) until flexible, as needed to seat fully (fits tighter as it cools) Adjust screws: 1 turn (in direction of arrows) = 0.25 mm protrusive 	<ul style="list-style-type: none"> May need to adjust clasps for retention Adjust screws: 1 turn (in direction of arrows) = 0.10 mm protrusive. 1 mm = 10 turns 	<ul style="list-style-type: none"> May need to adjust clasps for retention Adjust winglets (Fusion) = 0.10 mm protrusive. 1 mm = 10 turns (Herbst Adv.) 	<ul style="list-style-type: none"> If TAP TL: do not heat to seat If TAP Plus: heat in hot water (175°F) until flexible to seat fully (fits tighter as it cools) Adjust screws: full clockwise rotation = 0.25 mm 			<ul style="list-style-type: none"> Do not heat to seat
REQUIREMENTS							
Lab Requirements	<ul style="list-style-type: none"> U/L accurate models Protrusive bite is required: 60% of measured protrusive ability and 4-5 mm clearance between U/L anterior incisal edges <i>George Gauge bite fork is recommended</i> <i>Pro Gauge bite fork is recommended</i> <i>SOMgauge bite fork is recommended</i> 			<ul style="list-style-type: none"> U/L accurate models No bite required: Hardware will not allow articulation. Mechanism placement is arbitrary and mandibular repositioning is determined by the clinician upon seating 	<ul style="list-style-type: none"> U/L accurate models Protrusive bite is required: 60% of measured protrusive ability and 4-5 mm clearance between U/L anterior incisal edges <i>George Gauge bite fork is recommended</i> <i>Pro Gauge bite fork is recommended</i> <i>SOMgauge bite fork is recommended</i> 		<ul style="list-style-type: none"> U/L accurate models No bite required
Design Options	<ul style="list-style-type: none"> CPAP attachment 	<ul style="list-style-type: none"> Anterior discluder block Elastic hooks for vertical ligation Anterior airway vent CPAP attachment 	<ul style="list-style-type: none"> Anterior discluder block Anterior airway vent CPAP attachment 	<ul style="list-style-type: none"> Add posterior block (arbitrarily placed) 			<ul style="list-style-type: none"> Additional bands can be ordered in 1 mm increments
Repair Instructions	<ol style="list-style-type: none"> When appliances require relining for better fit, acrylic or clasp repair, screws replaced, screws reset, or other alterations, please send appliances along with upper and lower models in good condition. When appliances require U/L bite changes, include a new correct bite registration along with upper and lower models in good condition. Important! Appliances made of TL material cannot be repaired or relined. 						

MATERIAL PROPERTIES

Brux-eze® (Plus)	Rem-e-deze®	Pressure-formed Triple Laminate (TL)	Hard Acrylic	FLEX	Biocryl
APM Positioner™ and TAP®	APM Positioner™	TAP®	SomnoDent®	SomnoDent®	EMA®
<ul style="list-style-type: none"> Standard material Heat-processed acrylic Customized fit Comfortable Flexibility in hot water ensures retention Fits, even if not worn regularly On-call flexibility Material memory Maintains fit Repairable and relineable 	<ul style="list-style-type: none"> Available by special request only Stronger hybrid design has traditional hard acrylic on the occlusal and Brux-eze on lingual and facial Only the sides flex in hot water Maintains fit Repairable and relineable 	<ul style="list-style-type: none"> Consists of 3 layers of EVA material Tooth layer is soft; 2 outer layers are hard Does not require hot water Thin, soft lining Comfortable, flexible gasket retention Very durable Not repairable Not relineable TL does not allow for in-lab articulation: no occlusal blocks or pre-set adjustment 	<ul style="list-style-type: none"> Standard material Requires ball clasps Heat-processed acrylic Customized fit Durable Maintains fit Repairable Relineable 	<ul style="list-style-type: none"> Special order No clasps required Durable Tooth layer is soft Outer layer is hard Comfortable, flexible gasket retention No hot water required Maintains fit Repairable Relineable 	<ul style="list-style-type: none"> Does not require hot water Standard material Not repairable Not relineable

IMPORTANT INFORMATION CONCERNING DSG ORAL SLEEP APPLIANCES

Product Assurance: Dental Services Group oral sleep appliances are FDA cleared. They have been thoroughly researched, tested, and found to be highly effective in providing and maintaining oral airway patency during sleep. Warranty: Dental Services Group laboratories fully guarantee the quality of our oral sleep appliances. The EMA appliance is guaranteed for a period of 30 days against fabrication errors or material defects. All other oral sleep appliances are guaranteed for 90 days against fabrication errors or material defects. Disclaimer: Dental Services Group laboratories cannot warrant against dissatisfaction due to diagnosis or style of appliance chosen. We're happy to assist you with any appliance adjustments and/or modifications, and to provide you with any information you may need to learn about the dental treatment of sleep disorders. DSG advises a thorough patient consultation and the use of informed consent documentation. We strongly recommend a medical evaluation and diagnosis prior to the treatment of sleep apnea with oral appliances. **Statement of Conformity:** Available upon request. Rev. 07/16