

SLEEP APPLIANCE THERAPY | CHAIRSIDE GUIDE



	Panthera	SomnoDent®	SomnoDent®	Thornton Adjustable Positioner® (TAP) Appliance			EMA®
	D-SAD™	SomnoDent® Standard and FLEX	SomnoDent® Fusion™ and Herbst Advanced™	TAP® 1	dreamTAP®	TAP® 3	
DESIGN FEATURES							
Description	<ul style="list-style-type: none"> CAD CAM U/L bite splints connected with titrated rods Small device Biocompatible Minimal bulk No porosity Hydrophobic 	<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	<ul style="list-style-type: none"> Titration in 0.5mm increments Rods available in regular and bruxism 	<ul style="list-style-type: none"> 5-6 mm protrusive/retrusive 	<ul style="list-style-type: none"> 8.5 mm protrusive/retrusive 	<ul style="list-style-type: none"> 10 mm protrusive/retrusive 	<ul style="list-style-type: none"> 12-15 mm protrusive/retrusive 	<ul style="list-style-type: none"> 6 mm protrusive/retrusive Rear position adds 5 mm 	<ul style="list-style-type: none"> 14 mm protrusive/retrusive
Lateral Ability	<ul style="list-style-type: none"> Minimal 	<ul style="list-style-type: none"> 2-6 mm 		<ul style="list-style-type: none"> 7-8 mm 		<ul style="list-style-type: none"> 4-5 mm 	<ul style="list-style-type: none"> Ample lateral movement
Facial Design	<ul style="list-style-type: none"> Available in full coverage, cap, no coverage 	<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 	<ul style="list-style-type: none"> No tongue encroachment Contoured lingual flanges 	<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"> CAD CAM polymer nylon (Organic Polyamide 12) 	<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"> Small size, easy adjustment, titration and insertion/removal Custom designs wide range of plateaus and bands available Indicated for bruxers. Contraindications very short or multiple missing molars 	<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.

	Panthera	SomnoDent®		TAP® Appliance			EMA®
	D-SAD™	Standard and FLEX	Fusion™ and Herbst Adv.	TAP 1	dreamTAP®	TAP 3	
Seating and Adjustment	<ul style="list-style-type: none"> • Easy insertion. • Rods 21-35mm adjusted in 0.5mm increments 	<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 PVS impressions or digital scan • Protrusive bite at maximum • Recommend 2mm George Gauge 	<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 • George Gauge bite fork is recommended • Pro Gauge bite fork is recommended • SOMgauge bite fork is recommended 	<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 • George Gauge bite fork is recommended • Pro Gauge bite fork is recommended • SOMgauge bite fork is recommended 			<ul style="list-style-type: none"> • U/L accurate models • No bite required
Design Options	<ul style="list-style-type: none"> • Can add elastics for mouth breathers • Many designs available 	<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	<ul style="list-style-type: none"> • Minor adjustments possible. • For major dentition changes remake appliance. 	<ol style="list-style-type: none"> 1. 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. 2. When appliances require U/L bite changes, include a new correct bite registration along with upper and lower models in good condition. <p>Important! Appliances made of TL material cannot be repaired or relined.</p>					
MATERIAL PROPERTIES							
	Brux-eze® (Plus)	Pressure-formed Triple Laminate (TL)	Hard Acrylic	FLEX			Biocryl
	TAP®	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"> • 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