

# FUNCTIONAL APPLIANCES

**3M  
Unitek**  
3MUnitek.com  
(800) 423-4588

**American  
Orthodontics**  
americanortho.com  
(800) 558-7687

**Allesee Orthodontic  
Appliances (AOA Labs)**  
aolab.com  
(800) 263-5221

**Aqualizer by  
Jumar Corporation**  
aqualizer.com  
(800) 435-7863



Product Name	Forsus™ Fatigue Resistant Device	HTH Telescoping Herbst	MARA	Aqualizer Splints
What malocclusion does it treat?	The Forsus™ Fatigue Resistant Device can be used in a variety of Class II cases, including, but not limited to, deep bite, open bite, molar distalization, extraction, mixed dentition, and midline correction.	Class II	Class II mixed or permanent dentition. Also works well with Brachyfacial deepbite Class II cases.	It is a universal diagnostic, palliative deprogramming tool for all malocclusions. Used for initial diagnosis, CR and Myocentric bite registration, a temporary during treatment, and finishing equilibration guidance.
Does it require impressions?	No	No	Yes	No
Does it require lab fabrication?	No	No	Yes	No
For use before, after, or with braces?	With	With	Before	With
Fixed or removable?	Fixed	Fixed	Fixed	Removable
Does it require adjustment after replacement?	Yes	Yes	Yes	No
Is it a noncompliance appliance?	Yes	Yes	Yes	Yes
Suggested treatment time	Average treatment time with the Forsus™ Fatigue Resistant Device is 4 to 6 months.	6 to 9 months	12 to 15 months	Diagnostic aide 30 minutes to 2 days. Deprogramming 1 minute.
Orthodontist's cost per case	Contact company	Call for details	Ranges depending on accessories, call to inquire	2 splints about \$12 each
Special features	It does not require removal of the bracket or archwire for placement. Maintains a consistent level of force throughout treatment. The coaxial spring design addresses the issue of fatigue failure. Open-coil spring assembly design aids in hygiene and allows food to be brushed out of the device easily. Compact. Does not bow outward when compressed. Two attachment module options. Independent left and right components that can be installed unilaterally, if desired.	One-piece design for easy application. Ball-and-socket design provides unrestricted movement for better patient comfort. Low profile for increased patient acceptance and comfort. Telescoping mechanism will not disengage like traditional Herbst, reducing emergency appointments.	This appliance can be used either before or in conjunction with braces. Its minimal parts, compact design, and location make it ideal for treating Class II cases of all ages. Options can include expansion screws and a selection of crown and band varieties.	Aqualizers have a built-in water balancing and equilibration for automatic bite correction. The jaw is free to float into a functionally generated comfortable centric relation.

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**DynaFlex Inc**  
dynaflex.com  
(800) 489-4020






**Great Lakes Orthodontics Ltd**  
greatlakesortho.com  
(800) 828-7626

**Johns Dental Laboratories**  
johnsdental.com  
(800) 457-0504

**Myofunctional Research Co**  
myoresearch.com  
(866) 550-4696

**OPA Inc**  
opainc.us  
(561) 901-0022



					
Product Name	Tandem Traction Bow Appliance	Xbow™ Higgins Crossbow Class II Corrector	Transforce Sagittal	Myobrace for Kids™	Orthopedic Pressure Appliance
What malocclusion does it treat?	Class III	Class II malocclusions in children and adolescents	Fixed arch development appliance	Myobrace for Kids™ is designed specifically to correct poor oral habits while treating upper and lower jaw development problems (Class II and Class III malocclusion).	Maxillary overbite
Does it require impressions?	Yes	Yes	Yes	No	No
Does it require lab fabrication?	Yes	Yes	Yes	No	No
For use before, after, or with braces?	Before	Before	Contact company	Before	With
Fixed or removable?	Fixed	Fixed	Fixed	Removable	Removable
Does it require adjustment after replacement?	No	Yes	No	No	Yes
Is it a noncompliance appliance?	No	Yes	Yes	No	No
Suggested treatment time	6 to 8 months	8 to 12 months, depending on the patient	Approximately 3 to 4 months	2 to 3 years	6 to 12 months night wear
Orthodontist's cost per case	\$242	Approximately \$200	\$143 for appliance bands and tube	\$200	\$50
Special features	Eliminates the need for Reverse Facemask.	Great for distalizing maxillary posterior segments. An alternative to the Herbst®. Kinder to the TMJ.	The Transforce is available as either a transverse or sagittal expander. The Transverse sagittal is available in three upper and three lower sizes.	Dynamicore™ with Frankel Cage, which assists in widening and developing the jaws. Tongue tag, guard and elevators, which train the tongue to position properly. Extended lip bumper, which discourages strong, overactive lip muscles.	Corrects excessive vertical maxillary development. Can be used with or without fixed appliances.

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**Ortho Organizers Inc**  
orthoorganizers.com  
(888) 851-0533

**Ormco Corp**  
ormco.com  
(800) 854-1741

**Ortho-Tain Inc**  
orthotain.com  
(800) 541-6612

**PAR Orthodontic Lab**  
parortholab.com  
(800) 237-8647 (CA)  
(800) 237-0372

**Shock Doctor**  
shockdoctor.com  
(866) 253-1311

					
Product Name	Carriere Distalizer Appliance	AdvanSync™ 2	Nite-Guide®	Sagittal	Braces Mouthguard
What malocclusion does it treat?	Class II	Class II correction (crowding, rotation, spacing, overbite, underbite, crossbite, open bite)	Any overbite, any overjet, open-bite, pseudo Class III, cross-bite, crowding, spacing, and expanding the arches.	Lengthening the arch to correct crowding. Can also widen the arch.	It is an athletic mouthguard.
Does it require impressions?	No	No	No	Yes	No
Does it require lab fabrication?	No	No	No	Yes	No
For use before, after, or with braces?	Before	With	Before	Before	With
Fixed or removable?	Fixed	Fixed	Removable	Removable	Removable
Does it require adjustment after replacement?	No	Yes	No	Yes	No
Is it a noncompliance appliance?	No	Yes	No	No	No
Suggested treatment time	4 to 6 months	6 to 9 months	Treatment occurs during the eruption of the eight anterior teeth.	3 months	During sports
Orthodontist's cost per case	N/A	Contact company	Orthodontists charge the patient 1/3 to 1/2 of full orthodontic banding fees.	\$65 to \$95	\$78 per case of 6
Special features	Provides controlled rotational movement of the maxillary first molar around its palatal root. Uprights the maxillary first molar. Distalizes the maxillary posterior segment (cuspid to molar) as a unit while controlling for unwanted torquing and tipping. Establishes a Class I platform from which the clinician can finish the case simply and efficiently using the finishing appliance of choice.	Enhanced aesthetics and durability. Engineered to increase patient comfort and eliminate frequent compliance issues. Low profile. Reinforced spirallock threading. Advanced metal injection molding (MIM) technology. Upper and lower dual screw housing. Electropolished mechanisms. Larger eyelets.	Nite-Guide® guides permanent dentition into a Class I with only nighttime wear. Nite-Guide® cases do not relapse because it guides the incoming permanent teeth into a Class I occlusion as the fiber bundles become joined into a perfect Class I occlusion. Research shows that 93% of all 5-to-7-year-olds are Nite-Guide® candidates.	The Sagittal can be fit with a three-way screw, for anterior expansion as well as lateral expansion. Posterior occlusal coverage is standard but may not be necessary.	Insta-fit, medical-grade silicone. No boiling required.

**Specialty Appliances**  
 specialtyappliances.com  
 (800) 522-4636

**TP Orthodontics**  
 TPOrtho.com  
 (800) 348-8856



Specialty 4-Part Miniscope	Flip-Lock Herbst
Class II	Class II
Yes	Yes
Yes	Yes
With	Before or with braces
Fixed	Fixed
Yes	No
Yes	Yes
9 to 12 years of age	6 to 12 months
\$200 to \$225	Cost varies
Compact, 4-part telescoping allowing 68 mm of incisal opening.	Its design provides simple activation when necessary, extensive range of motion, and free lateral mandibular movement with its ball hinges for patient comfort. Bands can be used on the molars rather than crowns, making placement easier. Activation is easy and fast. Spacers are crimpable, so there is no need to remove the tubes and piston. It can be customized to the doctor's preference.

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