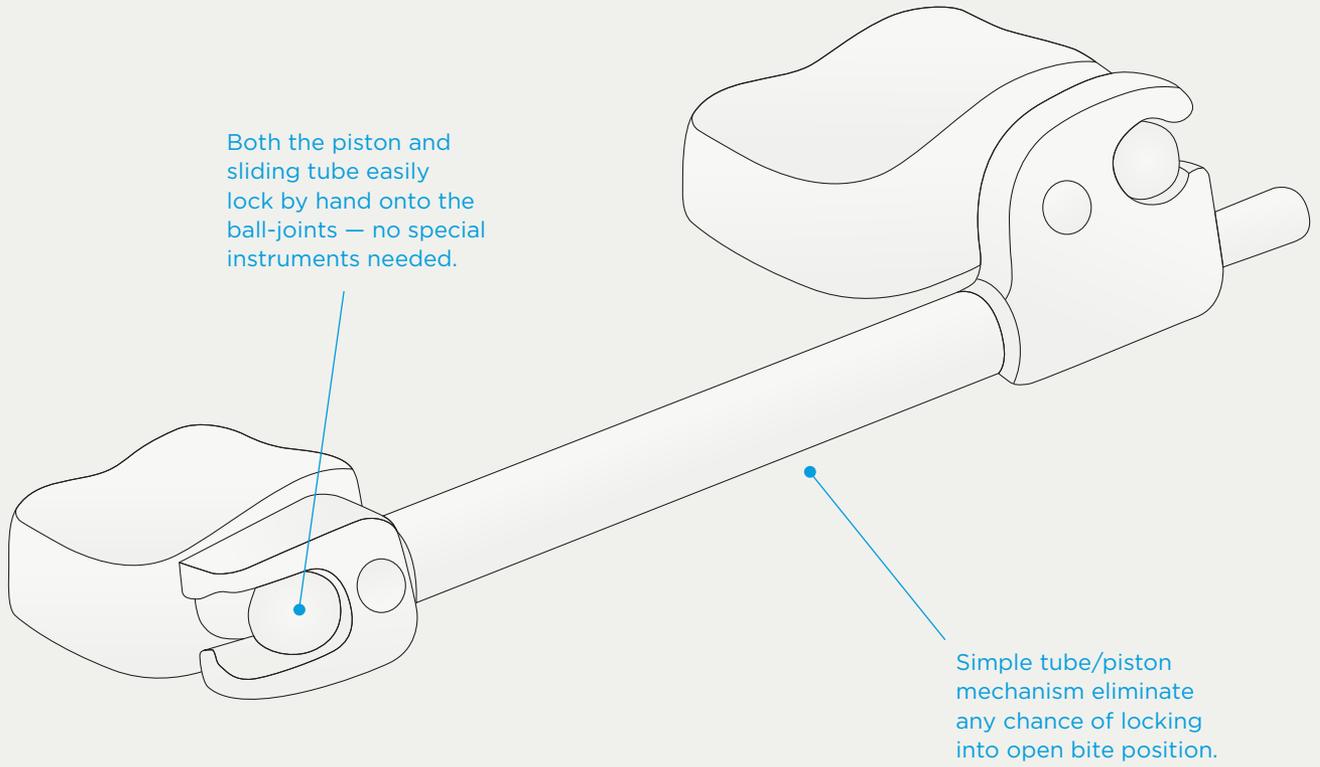




Flip-Lock[®] HERBST[®] Appliance

COMFORT. CUSTOMIZATION. ADVANCED ENGINEERING.



"The Flip-Lock HERBST is an excellent appliance. I frequently use it for my Phase I Class II mandibular retrognathic cases. TP Orthodontics Laboratory Services consistently delivers quality appliances with prompt and reliable service and delivery."



Martha Chun, DMD, MSD
Newburgh, NY

The innovative Flip-Lock HERBST, available from TP Orthodontics, revolutionizes the traditional HERBST appliance. **Its sleek, patented design has no pins, screws or springs, and it introduces a unique flip-lock mechanism for fast activation and improved clinical efficiency.**

Your best choice for correcting Class II malocclusions, this unique fixed appliance allows a significantly wider range of mandibular movement than typical HERBST designs. **The resulting benefits include greater patient comfort, better patient compliance, easy activation, reduced breakage, fewer adjustments, shorter office visits and less overall treatment time.**

The patented Flip-Lock design has several major advantages over other HERBST appliances.



Flip-Lock HERBST with Cantilever



Flip-Lock HERBST without Cantilever



Flip-Lock HERBST with Brackets



Wide Range of Lateral Mandibular Movement

The simple ball-joint design and tube/piston mechanism are engineered for greater freedom of movement.



Easy Assembly

Both the piston and sliding tube easily lock by hand onto the ball-joints – no special instruments needed.



Significantly Reduced Breakage

The simplified design promotes fewer incidents of breakage and patient emergencies than other HERBST applications.



Activation in Seconds

Quick, easy chairside activation reduces adjustments and shortens office visits.



One-Piece Cantilever and Ball

Eliminates the need for welding, saves fabrication time and provides resistance to breakage. Place appliance using only two bands or crowns. A non-cantilever design that incorporates four bands for additional stability is also available.



Reduced Occlusal Interference

An unusually low profile and step-down cantilever shape improve patient comfort.



Horizontal Slot

Anterior ball hinge on cantilever design is available with a horizontal slot which allows for archwire up to .022" x .028", or without a slot for a lower profile height.



Improved Patient Comfort

Unique design ensures normal chewing, swallowing, speech and breathing – leading to better treatment compliance.

Activates in seconds – Just four easy steps.

The Flip-Lock HERBST is designed for ease of use. There's no need for special tools or complicated adjustments. Simply follow the steps listed below.

After cementation of the appliance, prepare tube and piston assembly for proper length. Tubes should be cut long enough to position the mandible in a Class I position. The pistons should extend no more than 2-3 mm beyond the distal end of the tubes at full closure. It is imperative that the pistons aren't so short that they separate from the tubes upon maximum opening (i.e., when the patient yawns).



Slide a piston into a tube and hold in the correct orientation as shown, with the tube socket up. The tube socket can only be engaged on the maxillary distal ball hinge from one direction — the mesial. Slide the tube socket from mesial to distal end onto the maxillary ball hinge.

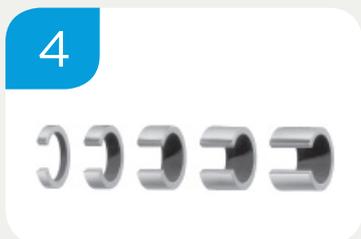


The tube is not locked onto the maxillary ball hinge until the tube is laid parallel to buccal tooth surfaces. Before attaching the piston on the mandibular ball hinge, make sure the piston sockets also have a correct orientation. A small circle on the socket represents the labial surface. This circle should go toward the cheek, not toward the teeth.



Slide the socket mesially over the mandibular ball hinge. The assembly will snap into place.

Although not routinely necessary, you may gently crimp the piston socket onto the mandibular hinge (as shown) to provide additional security.



Activate the Flip-Lock HERBST periodically (usually at 6 to 8 week intervals) by adding TPO crimpable 1 mm or 2 mm spacers onto the exposed piston. Using crimpable spacers eliminates the need to remove the tubes and pistons.

The mandible is initially advanced approximately 6-8 mm, and then incrementally advanced until the desired occlusion is achieved. Average treatment time is 12 months.

Service you demand. Expertise you trust.
TP Orthodontics Laboratory Services.

When your Flip-Lock HERBST comes directly from TP Orthodontics you're assured it will be fabricated exactly to your specifications. Each appliance is laser-welded to significantly reduce breakage, and can be customized for individual cases, shortening treatment time by as much as six months.

As a full-service custom lab, we provide functional, removable and fixed appliances specially crafted to meet your needs with strength and precision. We combine the clinical experience and technical expertise of a custom laboratory with the friendly and responsive service of a local lab.



We encourage you to call us at 800-348-8856 at any time for technical assistance or to discuss your exclusive needs. Be sure to request the instructional DVD for detailed information on fabrication and activation steps.



996-446ENG, Rev. 0

Flip-Lock is a registered trademark of TP Orthodontics, Inc. and manufactured under US Patent 5,620,321.
HERBST is a registered trademark of Dentarum, Inc. ©2010 TP Orthodontics, Inc.

For more information,
go to tportho.com.

United States
100 Center Plaza
La Porte, IN 46350
Toll-Free: 800-348-8856
Fax: 219-324-3029