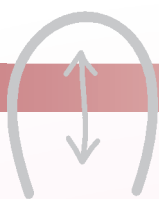


A-P EXPANDERS



An A-P Expander is nothing more than an arch-lengthening appliance. It can be a major tool in your treatment plan by enabling you to relieve crowded arches.

POSTERIOR DRIVE



CD DISTALIZER

This distal-driving fixed appliance is used to drive molars distally on upper or lower arches, without elastics. You can achieve up to one millimeter of distalization per month.

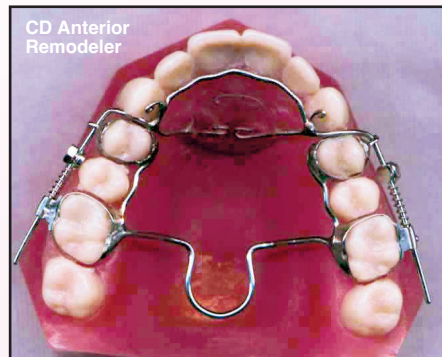
Dr. Bob Gerety's version, shown above, bands second molars and places a heavy wire between the 6's and 7's. Wilson lingual tubes are also used on this version.



CD DISTALIZER

Shown above is our standard CD Distalizer, which has an option for arch width development.

ANTERIOR DRIVE



CD ANTERIOR REMODELER

This commonly prescribed appliance is used to develop the pre-maxilla. The doctor controls the spring activation, which in turn gives them predictable results.

The nance button allows remodeling of the anterior pre-maxilla. **OPTIONS:** Galella tongue loop, RPE screws or cross-palatal arch wire.



MAGILL SAGITTAL (Distal-Driving)

The Magill appliances provide anterior access for screw adjustments, which is shown close up in upper right corner.

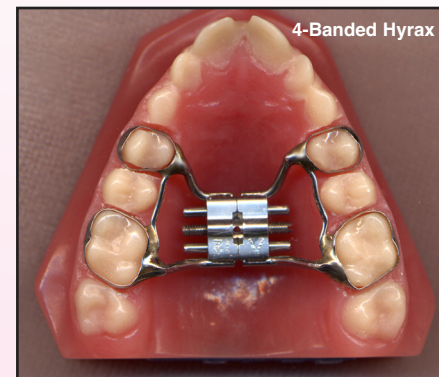
HOW TO GET THE BEST RESULTS FOR YOUR FIXED APPLIANCES.

For best results, remove any bands prior to taking impressions. Then, if you are providing the bands, send them loose with impressions to Johns Dental.

LATERAL EXPANDERS



Fixed lateral expanders are great arch-widening appliances for non-compliant patients with narrow arches, posterior crossbites.



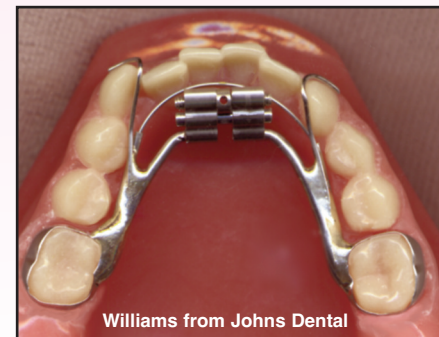
4-BANDED HYRAX

The banded and bonded Hyrax were both originally designed for rapid palatal expansion. The traditional hyrax screw (shown above) expands up to 10 millimeters and is still widely used today.

The "Super Screw" (shown below) can be used for additional distances of up to 18 millimeters.

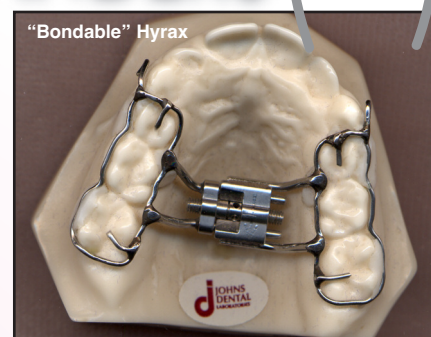


4-BANDED RPE WITH SUPER SCREW



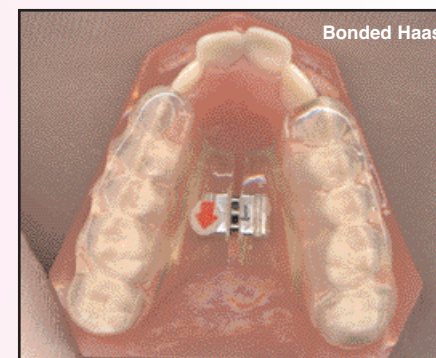
WILLIAMS APPLIANCE

The primary use of the Williams appliance is to increase arch width and flare incisors. Nitanium is the preferred wire that is used to fabricate this appliance, which is also bondable.



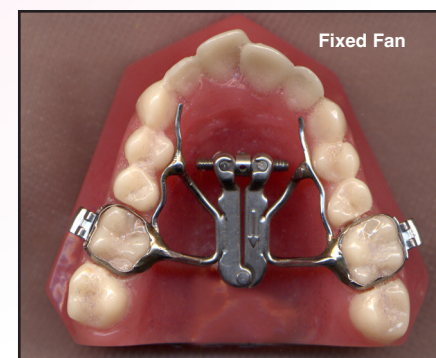
WIRE FRAME HYRAX "Bondable"

This easy to bond wire frame Hyrax is a version taught by Dr. Beistle to USDI Doctors. The absence of acrylic makes for easy removal and clean up. Photo also shows RHG hooks often used during mixed dentition.



BONDED HAAS

One advantage the bonded version offers over the banded is it prevents tipping of the teeth. The Haas appliance also provides additional palatal anchorage during expansion. The appliance above is Dr. Steve Galella's version. Clear acrylic is used so doctors can check for leakage.



FIXED FAN

This is similar to the banded RPE but more commonly used to correct a V-shaped arch. The appliance expands primarily in the anterior area (like a fan).



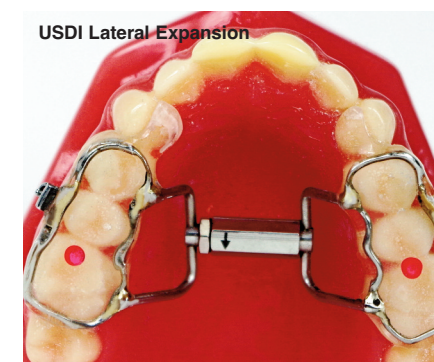
BONDED RPE WITH SUPER SCREW

The bonded Hyrax provides better torque control and is a good solution for high angle cases. Thick pads help intrude the posterior teeth by interfering in the freeway space.



GORDON EXPANDER

The benefit of the Gordon anterior expander is once this step is completed, the doctor can insert a Controlled Arch without removing the bands.



USDI Banded Hyrax

This bonded expansion appliance is used by the United States Dental Institute (USDI). The red dots on the occlusal surface allow for doctors to measure the distance between the dots as the case progresses.

800/457-0504



NITANIUM PALATAL EXPANDER (NPE)

The NPE is a thermally-activated appliance used for slow expansion. Many doctors like to use the NPE because there are virtually no adjustments needed. The appliance is chilled prior to seating in order to gain flexibility. Once the metal is warmed in the patient's mouth, it regains its tension.

Some doctors leave this in during the bracketing phase for cross-palatal support.

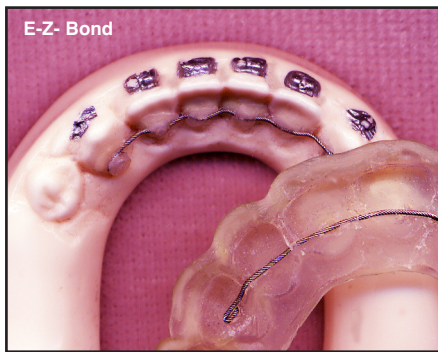
BITE BLOCKS



WILSON BITE PLANE OR RICK-A-NATOR

The Wilson Anterior Bite Plane will help you maintain Class II correction and disclude posterior teeth with the option to change appliances using the Wilson tubes. (The photo above is a Rick-A-Nator with Wilson tubes.)

RETENTION



E-Z BOND®
The E-Z bond has gained in popularity because it offers less chairtime for the doctor. Composite pads on each individual tooth also help prevent a recurrence of crowding.



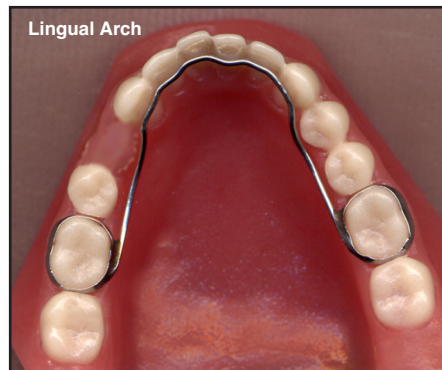
CONTROLLED ARCH
This molar-stabilizing appliance creates proper tip, torque and rotation of molars prior to the next level of treatment. It is important to complete this step first to prevent arch wire deflection and unwanted tooth movement.
This version of the controlled arch, is shown above with Delta-Force brackets.



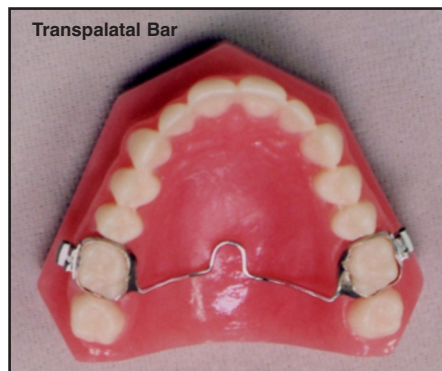
BOND-A-SPLINT
The Bond-a-splint is a pre-fabricated cast metal, low profile lingual retainer that is bonded to all anterior teeth. The low profile nature provides patients with superior comfort while maintaining the alignment of the anterior teeth.



BANDED RETAINER
The lingual wire retainer is normally used at the end of orthodontic treatment to maintain incisor position. Both upper and lower arches are available from Johns Dental. Multiple mesh pads can also be requested for each tooth.



LINGUAL ARCH
(Soldered)
This lingual arch is our standard soldered version and is used as a holding appliance. Some doctors prefer the Wilson versions, which allow the use of interchangeable modules for future treatment.



TRANSPALATAL BAR
This form of a holding arch is one of the most commonly used appliances for holding the molars in a posterior, de-rotated position.

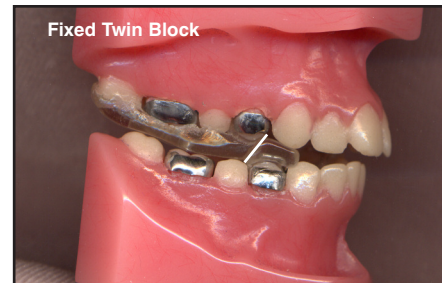
CLASS II

800/457-0504



MARA®
(Mandibular Advancing Repositioning Appliance)
The MARA is used to advance the mandible. It started to gain popularity in 2003 with lecturers like Dr. Derek Mahony speaking of its successes.

The standard MARA does not have expansion screws or arch wires, but those features can be add-on options. Metal spacers are used to activate the appliance.



FIXED TWIN BLOCK
(Dr. Jay Gerber's version)
This mandible-advancing appliance offers similar benefits to other removable Twin Blocks, but eliminates patient compliance concerns with his "Banded Block" version. In addition, many of the sharp edges have been rounded to improve patient comfort.



SPAHL SPLIT VERTICAL
The Spahl Split Vertical appliance has become an important fixture in modern orthodontic treatment. It allows doctors to close the posterior open bite to support the condyle in its new relocated position.

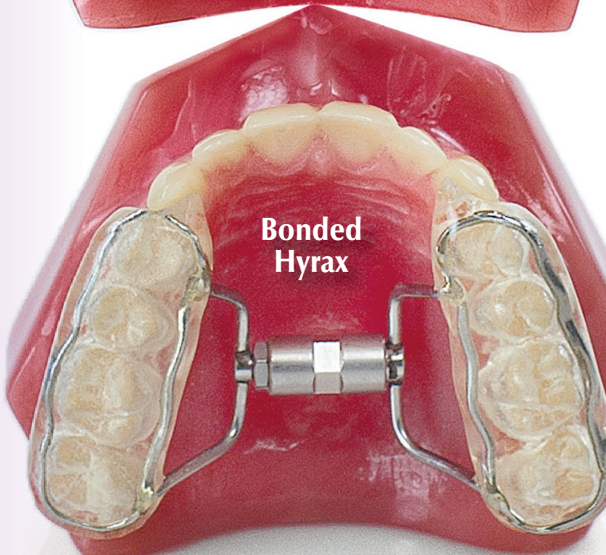
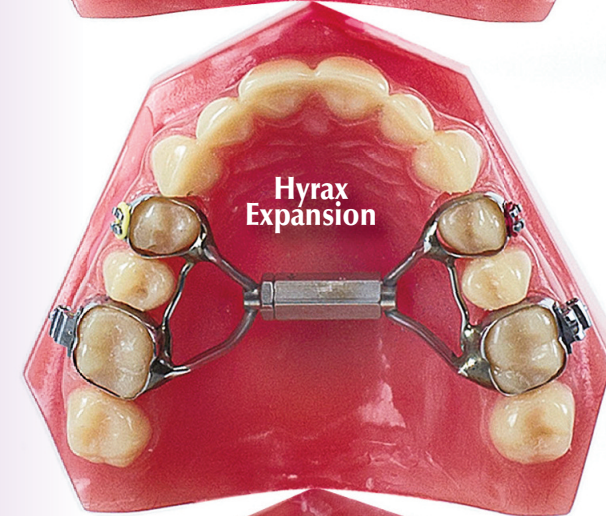
The Spahl Split Vertical functions the same as the Biofinisher, but more doctors are prescribing the SSV for a number of reasons. It does not require an additional appliance like the Biofinisher often does, and it is made with less acrylic, so it is more comfortable with fewer speech problems.



HERBST®
The Herbst® appliance can be a good treatment alternative for patients who will not wear removable appliances with regularity. There are two main appliance designs available from Johns Dental: the banded and the bonded Herbst.

The appliance advances the mandible allowing skeletal and dental changes to occur. The patient has a range of vertical and lateral movement making it reasonably comfortable after a brief adjustment period.

Also available:
The Twin Force Bite Corrector



Fixed Ortho
APPLIANCES THAT SNAP IN THE FIRST TIME!

Fixed Appliances from Johns Dental eliminates patient compliance concerns.

