# Carriere® MOTION 3D™ Class II & III Appliances

# Quick Start Guide

MOTION 3D CLEAR™
**Class II** Appliance

MOTION 3D **Class II**
Appliance

MOTION 3D COLORS™ **Class II**
Appliance

MOTION 3D **Class III**
Appliance

HENRY SCHEIN®
ORTHODONTICS

# A Paradigm Shift in Orthodontic Treatment

**Treatment can begin immediately after patient consult.**

- A *Motion 3D* Appliance takes less than 15 minutes to measure and place
- No separating appointments, bands, crowns, or lab time

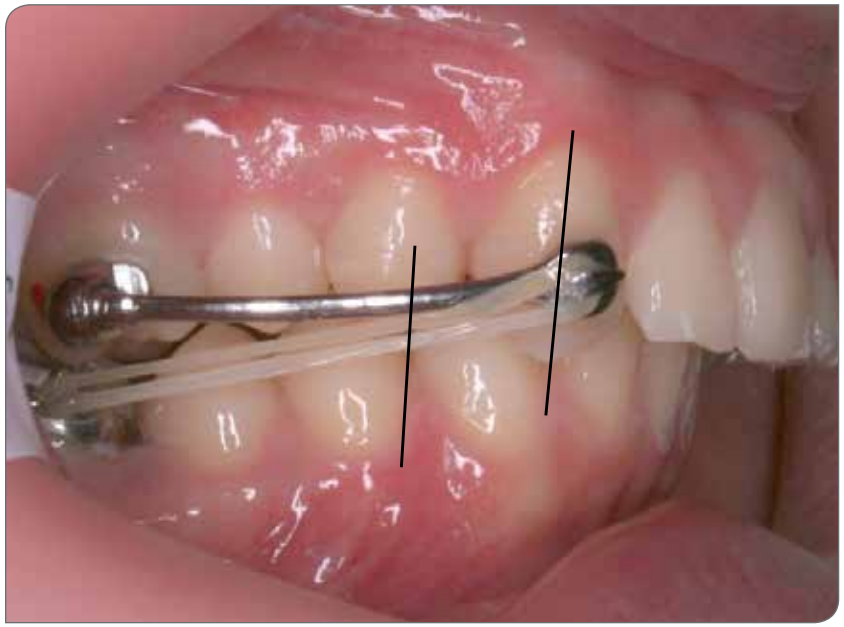
**Unlike other Class II and Class III correction devices, *Motion 3D* Appliances are:**

- Simple, direct bonded appliances without push rods, springs, or unreliable attachments
- Minimally invasive, discreet, and patient friendly

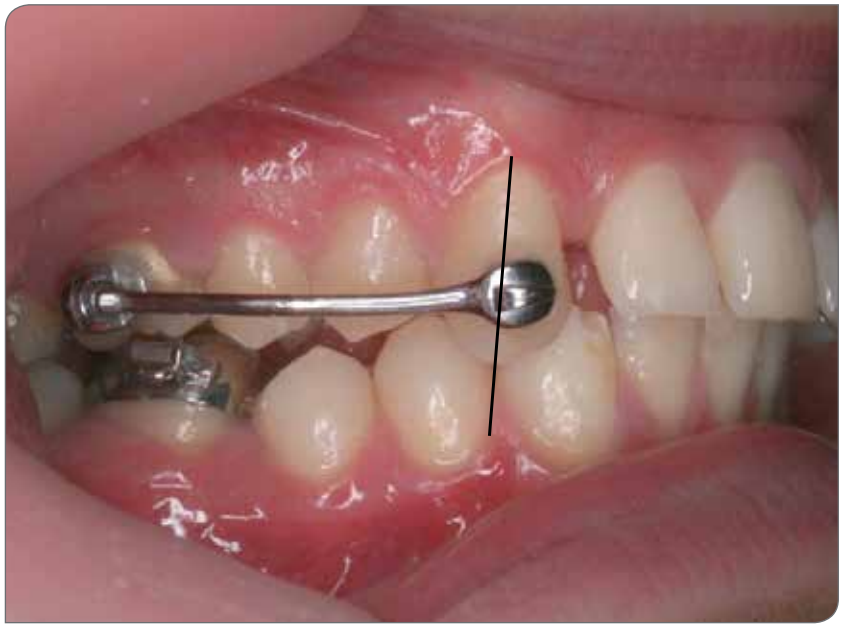
**With *Motion 3D* Appliances patients experience less pain and greater comfort as compared to other Class II appliances.**

# A Paradigm Shift in Orthodontic Treatment

***Motion 3D* Appliances** are used at the beginning of treatment, when patient compliance is at its highest and there are no competing forces to slow tooth movement.



*Motion 3D* Appliance placed at the beginning of treatment



Class I platform achieved in 3-4 months

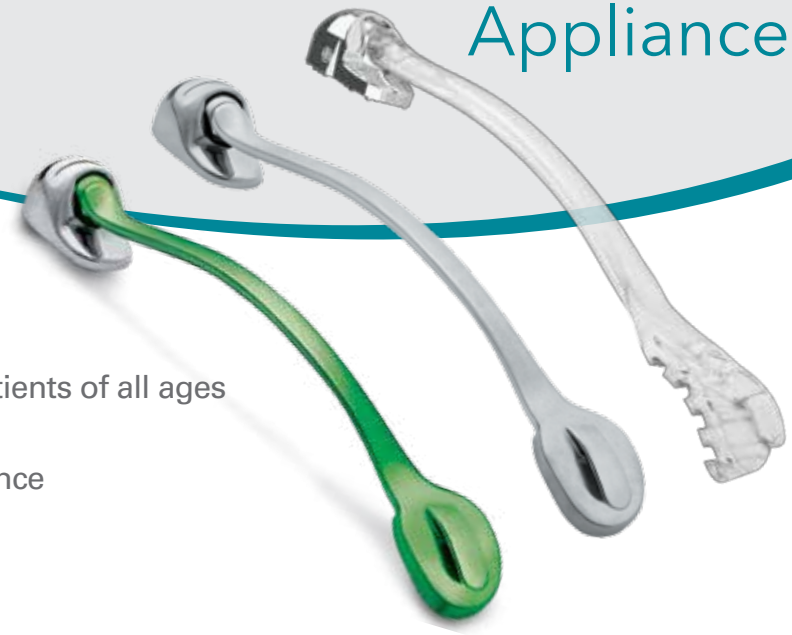
# A Paradigm Shift in Orthodontic Treatment

Once a Class I platform is achieved, **patient time in braces can be reduced to 7-10 months,** or less, when using *Carriere SLX* ™ Brackets.

*SLX* Brackets placed after *Motion 3D* Appliance treatment

**Average total treatment: 11-16 months**
Time in *Motion 3D Appliance*: 3-4 months
Time in *SLX* Brackets: 7-10 months

# The *Motion 3D* Class II Appliances



**An elegant and minimally invasive solution for:**

- Treating Class II dental relationship to a Class I platform in patients of all ages
- Correcting Class II malocclusions faster than any other appliance on the market today*
- Treating bilateral, unilateral, and mixed dentition cases
- Reducing overall treatment time
- Enhancing office efficiency and productivity

***"Shifting to the Motion (3D) Appliance has been one of the most significant treatment advances I have implemented over the past five years in my practice."***

**- Ron Maddox, D.D.S., San Dimas, CA**

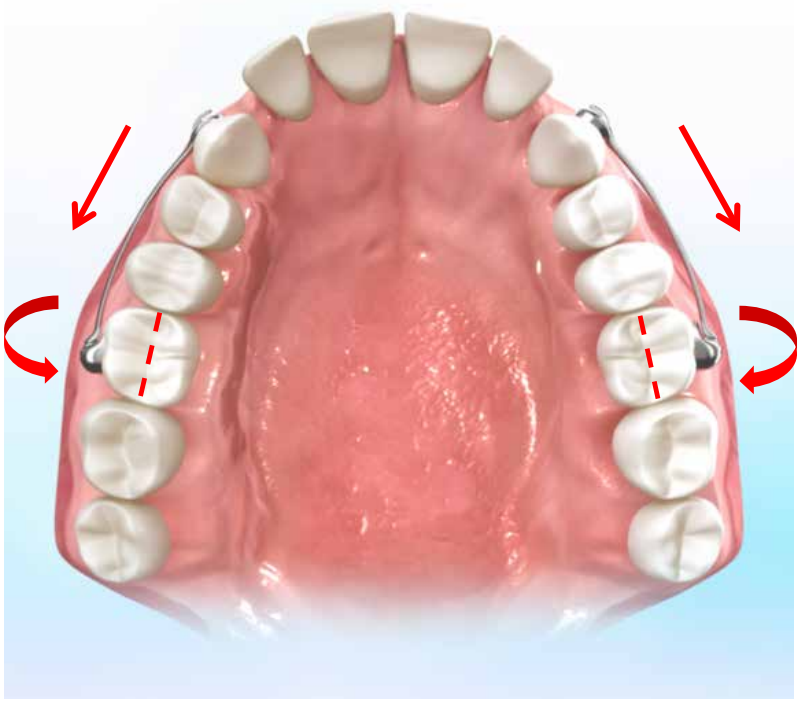
**"Treatment effects of the Carriere Distalizer (Motion 3D) using lingual arch and full fixed appliances", *Journal of the World Federation of Orthodontists- May 2014*

# Biometrics of *Motion 3D* **Class II** Appliances

**Pre-Tx**

1. Excessive overbite
2. Anterior crowding
3. Mesially rotated molars

**After Treatment**



1. Molars are rotated and uprighted
2. Space is gained to resolve crowding without extractions
3. Molars and cuspids move into Class I relationship

**No springs, push rods, bands, or crowns to complicate matters for you, your staff, or your patients.**

# Key Features for *Motion 3D* Class II Appliances

**Articulating ball and socket**
for controlled molar rotation and uprighting

**Smooth, low-profile, rounded arm**
for patient comfort

**Contoured stainless steel base** to fit patient tooth anatomy

**Simple, direct-bond** surface pads

## *Motion 3D* Class II Appliance

**Sleek hook on pad**
for attachment of the *Carriere* Oral Elastics

**Fixed cuspid pad**
allows the distal movement of the cuspid along the alveolar ridge without tipping

**Advanced medical grade polymer**
provides excellent strength and durability

**Exceptional aesthetics**
guaranteed not to stain or discolor

## *Motion 3D CLEAR*™ Class II Appliance

**Patented anterior pad with** special dovetailed grooves for excellent bond strength and retention

Motion 3D Class II Appliances use a unique ball and socket design that mimics the human body's mechanics to provide natural but controlled forces during treatment.

CLASS II CLEAR CLASS II

# Preparing the Mandibular Arch for *Motion 3D* Class II Appliances

1. The *Motion 3D* Appliance will be placed on the maxillary arch. A solid and consistent source of anchorage on the mandible must be selected to avoid protrusion of the lower incisors.

2. Possible sources of anchorage can be selected based on an orthodontist's preference. The recommended source of anchorage is the lower Essix® Appliance with direct bonded tubes on lower molars.

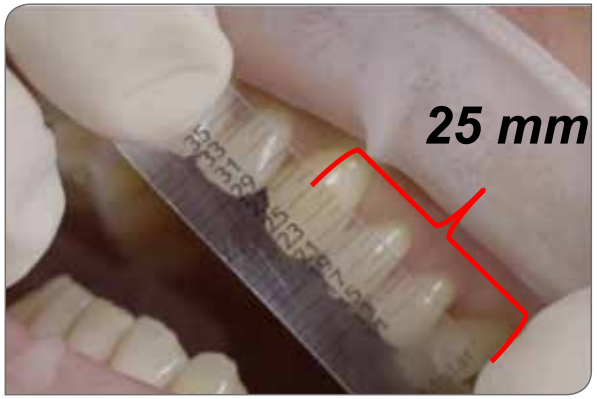
3. The recommended Essix material is A+ with .040" (1 mm) thickness. If the 2nd lower molars (L7) are fully erupted, it is preferred to use them to place the buccal tubes, instead of the 1st molars that will be used to stretch the elastics from the molars to the cuspids or bicuspids.

**You may also watch how easy it is to place a *Motion* 3D Class II Appliance at: https://youtube/FcVHU64gnlg**

# Appliance Measurement & Selection for *Motion 3D* Class II Appliances

## 1. Measuring the Maxillary Segment

Using a *Motion 3D* Ruler (included with the appliance), measure from the midpoint on the facial surface of the maxillary 1st molar buccal groove (U6) to the mesial 3rd of the facial surface of the maxillary cuspid (U3).

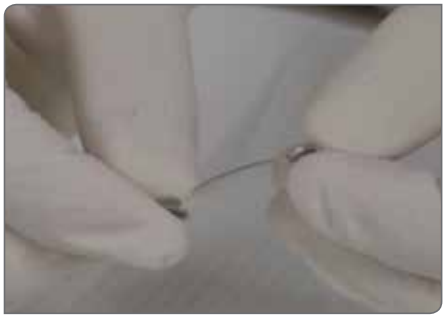



Measure both sides. Individual sizes are available to accommodate uneven length requirements.

## Appliance Selection

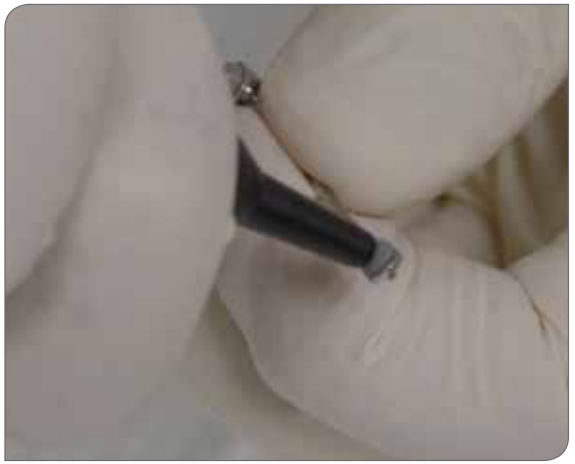
Select the correct length *Motion 3D* Appliance for treatment by using the measurement described above. When the measurement is between 2 sizes (i.e. in between 24 mm and 25 mm) select the correct appliance based on the amount of rotation desired:

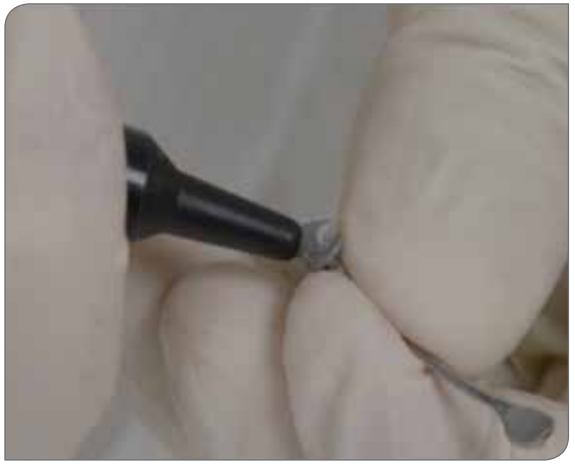
- More molar rotation: select the smaller size
- Less molar rotation: select the larger size



# Preparing to Bond
# *Motion 3D* Class II Appliances

1. **Prep the teeth for light-cure bonding:**
   a. **Clean:** Clean upper 1st molar and upper cuspid (or upper 1st bicuspid) using prophy paste.
   b. **Rinse and dry:** Rinse teeth thoroughly with water and air dry.
   c. **Etch:** Etch the surface of the molar and upper cuspid (or upper 1st bicuspid) as appropriate for the adhesive selected.
   d. **Rinse:** Rinse teeth thoroughly with water.
   e. **Dry:** Apply brief air burst to surface of etched cuspid and molar. Ensure that the entire isolated area is dry.
   f. **Prime:** Apply a uniform coating of primer onto the surface of the upper 1st molar and upper cuspid (or upper 1st bicuspid), for maximum tensile bond strength.
2. **Generously apply the light-cure adhesive to both pads.**





# Preparing and Aligning *Motion 3D* Class II Appliances

1. **Placement**

   a. Using a locking hemostat, forceps or tweezers, grab the arm of the *Motion 3D* Appliance, and position the appliance onto the teeth.

   b. Position the molar pad first on the molar, then position the cuspid pad onto the mesial 3rd of the cuspid (or 1st bicuspid). The vertical groove on the posterior pad of the *Motion 3D* Appliance should be positioned in the center of the buccal surface of the molar.

2. **Alignment**

   Position the *Motion 3D* Appliance onto its optimal position by aligning both pads onto the tooth surface.

# Bonding *Motion 3D* **Class II** Appliances

1. Remove excess adhesive using your hemostat, forceps, or tweezers, from tooth surface while maintaining alignment of the *Motion 3D* Appliance.
2. Fully cure the molar pad first.
3. Fully cure the cuspid (or bicuspid) pad.

# Activation of *Motion 3D* Class II Appliances

1. With the lower Essix placed, attach an elastic at the lower 1st (or 2nd) molar tubes and then stretch and attach it to the hook of the maxillary cuspid pad of the *Motion 3D* Appliance.

2. Refer to the Elastics Protocol on the following page for full details on elastics sizing and strengths.

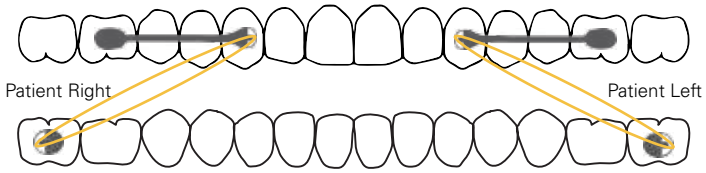
3. Schedule the next appointment 4 to 6 weeks after placement, and then following at 6-week intervals until the desired treatment outcome is reached. Appointment checks should only take a few minutes-observe treatment progress, explain the progress to the patient, and praise and/or encourage compliance.

# Elastics Protocols for *MOTION 3D* **Class II** Appliances

## Standard Protocol

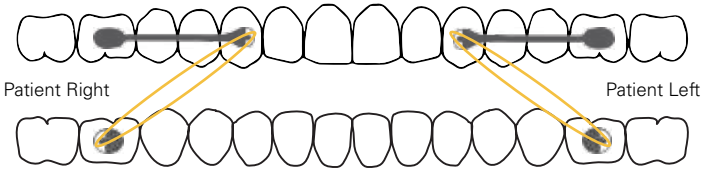
### *MOTION 3D* Upper 3 to 6 with Tube on Lower 7

- 1st month: Force 1 elastics (6 oz, ¼″)
- After 1st month: Force 2 elastics (8 oz, 3⁄16″) thereafter




### *MOTION 3D* Upper 3 to 6 with Tube on Lower 6

- 1st month: Force 1 elastics (6 oz, ¼″)
- After 1st month: Force 2 elastics (8 oz, 3⁄16″) thereafter

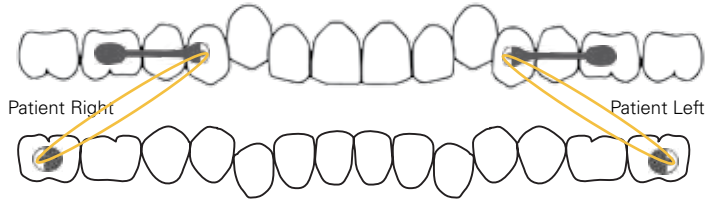



## Blocked-Out Canine Standard Protocol

Due to blocked-out, high, or buccally-displaced cuspids

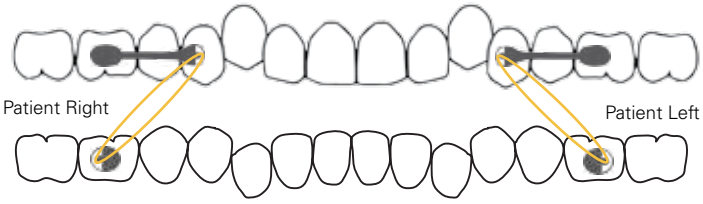
### *MOTION 3D* Upper 4 to 6 with Tube on Lower 7

- 1st month: Force 1 elastics (6 oz, 1/4″)
- After 1st month: Force 2 elastics (8 oz, 3/16″) thereafter




### *MOTION 3D* Upper 4 to 6 with Tube on Lower 6

- 1st month and thereafter: Force 2 elastics (8 oz, 3/16″)



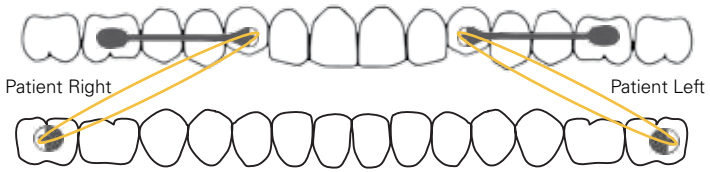
# Elastics Protocols for *Motion 3D* Class II Appliances

## Mixed Dentition Protocol With Deciduous Canine

⅔ of deciduous canine's root must be available

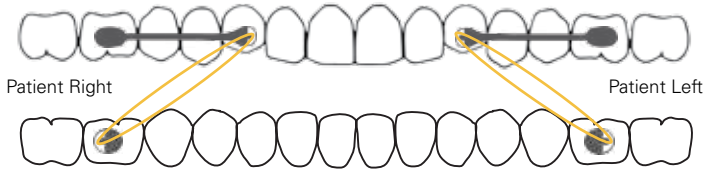
### *Motion 3D* from Deciduous Canine with Tube on Lower 7

- Force 1 elastics (6 oz, ¼″) throughout the treatment




### *Motion 3D* from Deciduous Canine with Tube on Lower 6

- Force 1 elastics (6 oz, ¼″) throughout the treatment

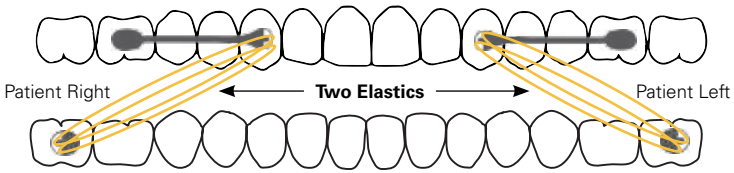



## Adult Patients With High-Bone Density

If there is no movement after three months following the standard protocol in Class II, Division II, high-bone density patients, boost the case by proceeding with the following:

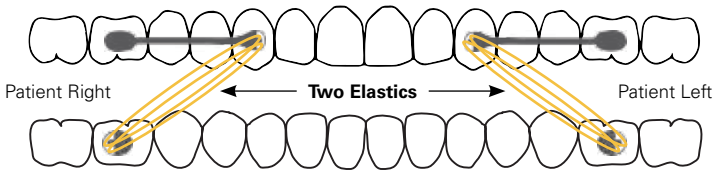
### *Motion 3D* 3 to 6 with Tube on Lower 7

- 4th month-night: double up Force 1 and Force 2 elastics (6 oz, ¼″ & 8 oz, 3⁄16″)
- 4th month-day: single wear of Force 2 elastics (8 oz, 3⁄16″)
- 5th month and thereafter: revert to single wear of Force 2 elastics (8 oz, 3⁄16″)




### *Motion 3D* 3 to 6 with Tube on Lower 6

- 4th month-night: double up Force 2 elastics (8 oz, 3⁄16″)
- 4th month-day: single wear of Force 2 elastics (8 oz, 3⁄16″)
- 5th month and thereafter: revert to single wear of Force 2 elastics (8 oz, 3⁄16″)



# Selection of Elastics for *Motion 3D* **Class II** Appliances


Choices of elastics:

- Force 1:  6 oz, 1/4" (424-9F1)
- Force 2:  8 oz, 3/16" (424-9F2)

# Removal of *Motion 3D* Class II Appliances

1. **Remove any excess adhesive** around the cuspid, or 1st bicuspid molar pad, utilizing a tapered flame burr. A slight concave channel should now be formed around the parameter of the pad.

2. **Have the patient bite on a cotton roll** placed perpendicular to the cuspid or bi-cuspid to provide stability to either the cuspid or bi-cuspid tooth.

3. **Instrumentation for removal options:**
   a. Bracket Debonding Pliers (PN 204-219)
   b. Angulated Debonding Pliers (PN 204-220XL)
   c. Micro Mini Pin & Ligature Cutter (PN 204-107 or 107XL Long Handle)

4. **Take one of the recommended removal instruments and place the tip ends at the adhesive interface** (concave channel) between the Motion 3D Appliance cuspid pad and the tooth surface. Orient the instrument toward the mesial aspect of the cuspid or bicuspid pad in an occlusal/gingival aspect. Gently squeeze, applying increased continuous pressure, without any twisting or pulling until the bond fails.

5. **Once the cuspid pad is debonded, have the patient bite on a cotton roll** placed in the molar region and then remove the molar pad.

6. **Take one of the debonding instruments** and place it toward the mesial aspect of the molar pad. Gently squeeze the instrument with increased continuous pressure until the molar bond disengages.

7. **Use a burr or adhesive removing pliers** (PN 204-206) to remove any excess adhesive from the molar and cuspid, or bicuspid, tooth surface.

8. **Polish the teeth** to a fine, smooth finish.

# Removal of *MOTION 3D* **Class II** Appliances

Remove cement from distoincisal portion of the pad, where the bar attaches.

Remove cement from the distogingival portion of the pad, where the bar attaches.

# Removal of *Motion 3D* **Class II** Appliances

Remove cuspid pad first. Have patient bite firmly on a cotton roll. Place pinchers of the debonding tool at the area where you removed the cement with a bur. Quickly squeeze the pliers to bring the pincher ends together. If the appliance does not remove, reposition and try again.

Remove molar pad. Place over the molar socket and quick rotation of the wrist down towards the occlusal surface. If it doesn't come loose, reposition and try again.

# Part Numbers for *Motion 3D* Class II Appliances

| DESCRIPTION / SIZE | ITEM NUMBERS | |
|---|---|---|
| KITS | MOTION 3D METAL | MOTION 3D CLEAR |
| *Motion 3D* Trial Kit (1 Set of each 23, 25, 27 mm) | 424-900CN | 424-800C |
| *Motion 3D* Intro Kit (1 Set of each 16, 18, 20, 23, 25, 27 mm) | 424-901CN | 424-801C |
| *Motion 3D* Standard Kit (20 sets)<br>Kit Includes: 2 sets of 16 mm, 3 sets of 18 mm, 2 sets of 20 mm, 3 sets of 23 mm, 6 sets of 25 mm, 4 sets of 27 mm | 424-902CN | 424-802C |

| DESCRIPTION/SIZE | MOTION 3D METAL | | | MOTION 3D CLEAR | | |
|---|---|---|---|---|---|---|
| | ITEM NUMBERS LEFT | ITEM NUMBERS RIGHT | ITEM NUMBERS LEFT & RIGHT (1 SET) | ITEM NUMBERS LEFT | ITEM NUMBERS RIGHT | ITEM NUMBERS LEFT & RIGHT (1 SET) |
| *Motion 3D* Class II 12 mm | 424-912LN | 424-912RN | 424-912CN | | | |
| *Motion 3D* Class II 13 mm | 424-913LN | 424-913RN | 424-913CN | | | |
| *Motion 3D* Class II 14 mm | 424-914LN | 424-914RN | 424-914CN | | | |
| *Motion 3D* Class II 15 mm | 424-915LN | 424-915RN | 424-915CN | | | |
| *Motion 3D* Class II 16 mm | 424-916LN | 424-916RN | 424-916CN | 424-816LC | 424-816RC | 424-816C |
| *Motion 3D* Class II 17 mm | 424-917LN | 424-917RN | 424-917CN | | | |
| *Motion 3D* Class II 18 mm | 424-918LN | 424-918RN | 424-918CN | 424-818LC | 424-818RC | 424-818C |
| *Motion 3D* Class II 19 mm | 424-919LN | 424-919RN | 424-919CN | | | |
| *Motion 3D* Class II 20 mm | 424-920LN | 424-920RN | 424-920CN | 424-820LC | 424-820RC | 424-820C |
| *Motion 3D* Class II 21 mm | 424-921LN | 424-921RN | 424-921CN | | | |
| *Motion 3D* Class II 22 mm | 424-922LN | 424-922RN | 424-922CN | | | |
| *Motion 3D* Class II 23 mm | 424-923LN | 424-923RN | 424-923CN | 424-823LC | 424-823RC | 424-823C |
| *Motion 3D* Class II 24 mm | 424-924LN | 424-924RN | 424-924CN | | | |

# Part Numbers for *Motion 3D* Class II Appliances

| DESCRIPTION/SIZE | MOTION 3D METAL | | | MOTION 3D CLEAR | | |
|---|---|---|---|---|---|---|
| | ITEM NUMBERS LEFT | ITEM NUMBERS RIGHT | ITEM NUMBERS LEFT & RIGHT (1 SET) | ITEM NUMBERS LEFT | ITEM NUMBERS RIGHT | ITEM NUMBERS LEFT & RIGHT (1 SET) |
| *Motion 3D* Class II 25 mm | 424-925LN | 424-925RN | 424-925CN | 424-825LC | 424-825RC | 424-825C |
| *Motion 3D* Class II 26 mm | 424-926LN | 424-926RN | 424-926CN | | | |
| *Motion* Class II 27 mm | 424-927LN | 424-927RN | 424-927CN | 424-827LC | 424-827RC | 424-827C |
| *Motion* Class II 28 mm | 424-928LN | 424-928RN | 424-928CN | | | |
| *Motion* Class II 29 mm | 424-929LN | 424-929RN | 424-929CN | | | |
| *Motion* Class II 30 mm | 424-930LN | 424-930RN | 424-930CN | | | |
| *Motion* Class II 31 mm | 424-931LN | 424-931RN | 424-931CN | | | |
| *Motion* Class II 32 mm | 424-932LN | 424-932RN | 424-932CN | | | |
| *Motion* Class II 33 mm | 424-933LN | 424-933RN | 424-933CN | | | |
| *Motion* Class II 34 mm | 424-934LN | 424-934RN | 424-934CN | | | |

| DESCRIPTION/SIZE | ITEM NUMBERS | |
|---|---|---|
| ACCESSORIES | MOTION 3D METAL | MOTION 3D CLEAR |
| *Motion 3D* Class II Typodont with Clear Aligner | 631-017DNE | 631-017CNE |
| *Motion 3D* Class II 5x Model | 631-424X | 631-424CX |
| *Motion 3D CLEAR* Class II and Metal Class II Typodont with Aligner | 631-017CMNE | |
| Carriere *Motion 3D* Elastics-Force 1, 1/4", 6 oz (50 packs of 100 elastics) | 424-9F1 | |
| Carriere *Motion 3D* Elastics-Force 2, 3/16", 8 oz (50 packs of 100 elastics) | 424-9F2 | |
| *Motion 3D* Storage Tray (1/pk) | CDA-TRAY | |
| Essix, A+ .040 (100/pk) | 617-4402 | |
| *Motion 3D* Placement Instrument | 201-507 | |

# The *Motion 3D* Class III Appliance

**An elegant and minimally invasive solution for:**

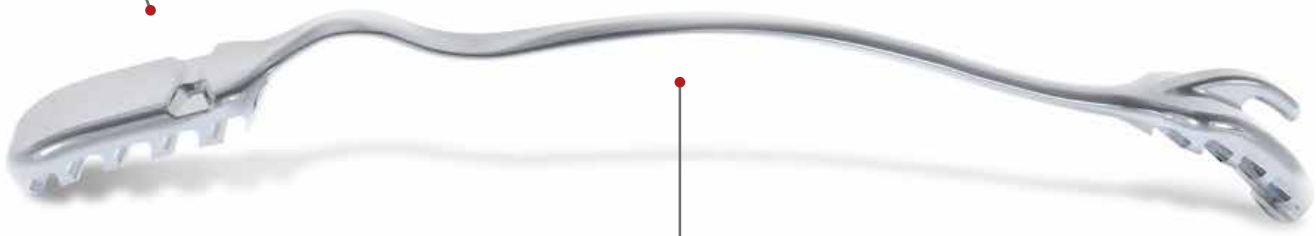
- Treating dental Class III cases to a balanced and optimal Class I occlusion.
- Treating a high percentage of skeletal Class III cases to a Class I occlusion (for patients whom do not want surgery).
- Treating lower anterior crowding at the beginning of treatment (without brackets).

**No springs, push rods, bands, or crowns to complicate matters for you, your staff, or your patients.**

# Key Features and Benefits of the *Motion 3D* **Class III** Appliance

Simple, reliable, direct-bond attachment points.

Multi-lateral flexion at the center and distal segments, allowing a custom anatomical fit and gentle repositioning of the molar.



High flexibility and unique spring-back qualities to resist deformation.

**Universal (L/R) appliance in six sizes, color-coded for easy identification and inventory.**

# Preparing the Maxillary Arch for the *Motion 3D* Class III Appliance

**The choice of anchorage can help clinicians reach certain treatment goals associated with facial harmony and balance. The following are two preferred sources of anchorage:**

**Option 1: Clear Aligner**

- Recommended when the desired outcome is to maintain the patient's soft tissue characteristics (angle, fullness, etc…), as the clear aligner will prevent additional protrusion of the upper lips and surrounding soft tissues.
- A clear aligner (Essix 0.4, A+) is placed in the upper arch at the onset of treatment when the Motion 3D Appliance is placed on the lower arch.
- A direct-bonded buccal tube is placed on the upper molars. Bonding to the upper 2nd molars is preferable (if available).

**Option 2: *SLX* Self-Ligating Brackets**

- Recommended when the desired outcome is to protrude the patient's upper lip & soft tissue between the subnasal, labial superior, and stomion points.
- Prior to using the *Motion 3D* Appliance, *SLX* Brackets are placed on the upper arch along with a round wire.
- Once the upper arch is level and aligned, transition to a .014 x .025 archwire and place the *Motion* 3D Appliance on the lower arch.

Option 1: Clear Aligner

Option 2: Carriere SLX Brackets

**You may also watch how easy it is to place the *Motion 3D* Class III Appliance at: https://youtu.be/N8i-xBdRnrI**

# Appliance Measurement & Selection for the *Motion 3D* Class III Appliance

1. **Measuring the Mandibular Segment:**

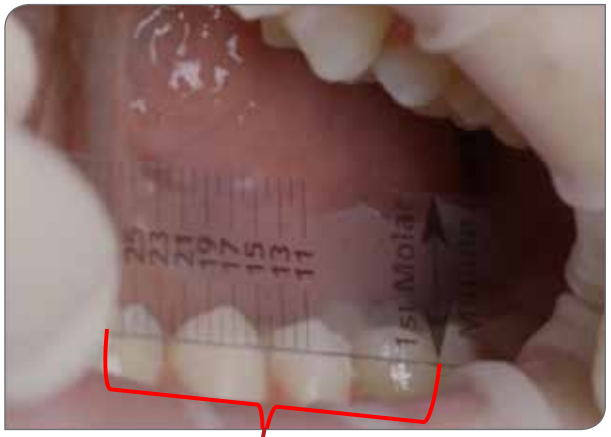
   Using a *Motion 3D* Ruler (included with the appliance), measure from the midpoint on the facial surface of the mandibular 1st molar buccal groove (L6) to the mesial 3rd of the facial surface of the mandibular cuspid (L3) or first bicuspid. Be sure to measure both sides, as some patients may need a different appliance size on each side. Individual sizes are sold separately to accommodate unevenness.

2. **Appliance Selections:**

   Select the correct length *Motion 3D* Appliance for treatment by using the measurement found and described above. When the measurement is between 2 sizes (i.e. in between 25 mm and 27 mm) select the correct appliance based on the amount of rotation desired.

   - More molar rotation: select the smaller size
   - Less molar rotation: select the larger size

*Note: This appliance is universal/interchangeable between right and left.*




# Preparing to Bond the *Motion 3D* Class III Appliance

1. **Prep the teeth for light-cure adhesion per the following:**

   a. **Clean:** Clean the lower 1st molar and lower cuspid or lower 1st bicuspid using prophy paste.

   b. **Rinse and dry:** Rinse teeth thoroughly with water and air dry

   c. **Etch:** Etch the surface of the 1st molar and lower cuspid (or lower 1st bicuspid) as appropriate for the adhesive selected

   d. **Rinse:** Rinse teeth thoroughly with water.

   e. **Dry:** Apply brief air burst to surface of etched cuspid and molar. Ensure that the entire isolated area is dry.

   f. **Prime:** Apply a uniform coating of primer onto the surface of the upper 1st molar and upper cuspid (or upper 1st bicuspid), for maximum tensile bond strength.

2. **Holding the *Motion 3D* Appliance by the arm, dispense a generous amount of light-cure bonding material, completely covering each pad.**

# Placing and Aligning the *Motion* 3D Class III Appliance

1. **Placement**

   a. Using a locking hemostat, forceps, or tweezers, grab the arm of the *Motion* Appliance, and position onto the teeth.

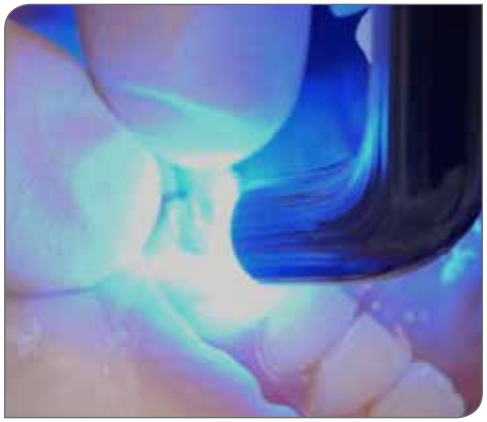
   b. Position the molar pad first on the molar, then position the cuspid pad onto the mesial 3rd of the cuspid (or 1st bicuspid). The vertical groove engraved in the posterior pad of the *Motion* Appliance should be positioned in the center of the buccal surface of the molar, however it can fall before or after (+/-1 mm) if necessary.

2. **Alignment**

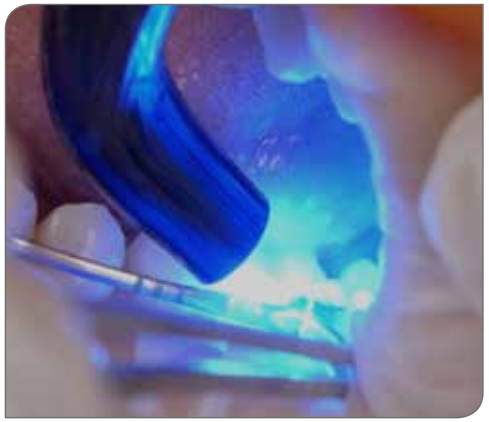
   Position the *Motion* Appliance onto its optimal position by aligning both pads onto the tooth surface.

# Bonding the *MOTION 3D* **Class III** Appliance

1. Start first by positioning the cuspid pad onto the lower mesial third of the crown of the cuspid (or 1st bicuspid). Place some light pressure with a finger near the cuspid pad. Remove excess adhesive around the cuspid pad. Snap cure (2 to 5 seconds) the *Motion* Appliance's pad on the cuspid, so that the *Motion* Appliance stays in place properly when light-curing the molar pad.



2. Place the tips of the tweezers on the MOTION 3D Appliance's molar pad Instrument Channel to position the molar pad. Press gently until it becomes in full contact with the vestibular surface of the molar crown. Remove any excess of adhesive around the molar pad. While keeping pressure, proceed to light-cure without releasing the pressure.



3. Now that the MOTION 3D Appliance is well aligned, complete the light-cure step on the cuspid pad.

# Activation of the *Motion 3D* Class III Appliance

1. **With the upper Essix placed, attach an elastic at the upper 1st** (or 2nd) molar buccal tube and then stretch and attach it to the hook of the mandibular cuspid pad on the *Motion 3D* Appliance.

2. **Refer to the Elastics Protocol** on the following page for full details on elastics sizing and strengths.

3. **Schedule the next appointment 4 to 6 weeks after placement**, and then following at 6 week intervals until the desired treatment outcome is reached. Appointment checks should only take a few minutes-observe treatment progress, explain the progress to the patient, and praise and/or encourage compliance.

# Elastics Protocols for the *MOTION 3D* Class III Appliance

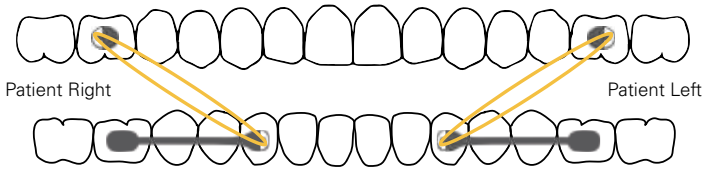
**Note: For both protocols, elastics are worn 24-hours per day, except while eating.**

## Standard Protocol

Elastic will run from lower cuspid to upper molar

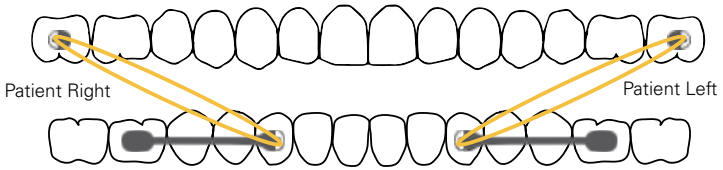
### *MOTION 3D* Lower 3 to 6 with Tube on Upper 6

- Use Force 1 (6 oz, ¼″) elastics throughout the treatment




### *MOTION 3D* Lower 3 to 6 with Tube on Upper 7

- Use Force 1 (6 oz, ¼″) elastics throughout the treatment

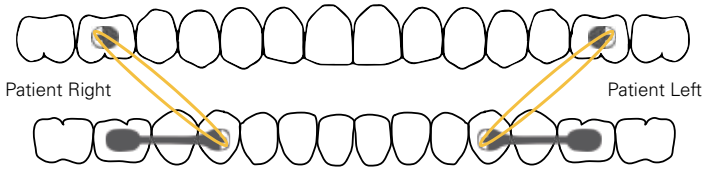



## "Shorty" Cases Protocol

Elastic will run from 1st lower bicuspid to upper 1st or 2nd molar

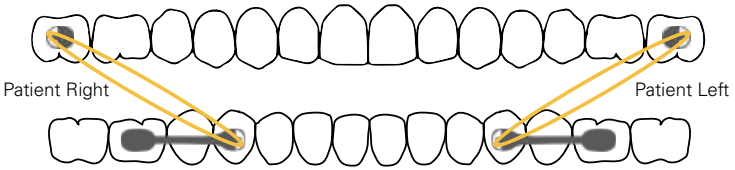
### *MOTION 3D* Lower 4 to 6 with Tube on Upper 6

- Use Force 2 (8 oz, 3⁄16″) elastics throughout the treatment




### *MOTION 3D* Lower 4 to 6 with Tube on Upper 7

- Use Force 1 (6 oz, ¼″) elastics throughout the treatment



# Selection of Elastics for the *Motion 3D* Class III Appliance


Choices of elastics:

- Force 1: 6 oz, 1/4" (424-9F1)
- Force 2: 8 oz, 3/16" (424-9F2)

# Removal of the *MOTION 3D* **Class III** Appliance

1. **Remove any excess adhesive** around the cuspid, or 1st bicuspid pad, utilizing a tapered flame burr. A slight concave channel should now be formed around the parameter of the pad.
2. **Have the patient bite on a cotton roll** placed perpendicular to the cuspid or bi-cuspid to provide stability to either the cuspid or bi-cuspid tooth.
3. **Instrumentation for removal options:**
   a. Bracket Debonding Pliers (PN 204-219)
   b. Angulated Debonding Pliers (PN 204-220XL)
   c. Micro Mini Pin & Ligature Cutter (PN 204-107 or 107XL Long Handle)
4. **Take one of the recommended removal instruments and place the tip ends at the adhesive interface** (concave channel) between the MOTION 3D Appliance cuspid pad and the tooth surface. Orient the instrument toward the mesial aspect of the cuspid or bicuspid pad in an occlusal/gingival aspect. Gently squeeze, applying increased continuous pressure, without any twisting or pulling until the bond fails.

5. **Once the cuspid pad is debonded, have the patient bite on a cotton roll** placed in the molar region and then remove the molar pad.
6. **Take one of the debonding instruments** and place it toward the mesial aspect of the molar pad. Gently squeeze the instrument with increased continuous pressure until the molar bond disengages.

7. **Use a burr or adhesive removing pliers** (PN 204-206) to remove any excess adhesive from the molar and cuspid, or bicuspid, tooth surface.
8. **Polish the teeth** to a fine, smooth finish.

# Removal of the *Motion 3D* Class III Appliance

| DESCRIPTION/SIZE | | | ITEM NUMBERS |
|---|---|---|---|
| *Motion 3D* Class III Trial Kit (1 set of each 23, 25, 27 mm) | | | 424-407C |
| *Motion 3D* Class III Intro Kit (1 set of each 16, 18, 20, 23, 25, 27 mm) | | | 428-408C |
| **DESCRIPTION/SIZE** | **COLOR-CODE** | | **ITEM NUMBERS** |
| *Motion 3D* Class III 16 mm (1-set) | White | ○ ○ | 424-416C |
| *Motion 3D* Class III 18 mm (1-set) | Blue | ● ● | 424-418C |
| *Motion 3D* Class III 20 mm (1-set) | Pink | ● ● | 424-420C |
| *Motion 3D* Class III 23 mm (1-set) | Yellow | ● ● | 424-423C |
| *Motion 3D* Class III 25 mm (1-set) | Red | ● ● | 424-425C |
| *Motion 3D* Class III 27 mm (1-set) | Green | ● ● | 424-427C |
| *Motion 3D* Class III 16 mm (1-Universal L/R) | White | ○ ○ | 424-416 |
| *Motion 3D* Class III 18 mm (1-Universal L/R) | Blue | ● ● | 424-418 |
| *Motion 3D* Class III 20 mm (1-Universal L/R) | Pink | ● ● | 424-420 |
| *Motion 3D* Class III 23 mm (1-Universal L/R) | Yellow | ● ● | 424-423 |
| *Motion 3D* Class III 25 mm (1-Universal L/R) | Red | ● ● | 424-425 |
| *Motion 3D* Class III 27 mm (1-Universal L/R) | Green | ● ● | 424-427 |
| **ACCESSORIES** | | | **ITEM NUMBERS** |
| Typodont *Motion 3D* Class III with Clear Aligner | | | 631-033DNE |
| Typodont *Motion 3D* Class III Malocclused with Clear Aligner | | | 631-034DNE |
| *Motion 3D* Class III 5X Model | | | 631-433X |
| *Carriere Motion 3D* Elastics-Force 1, 1/4", 6 oz (50 packs of 100 elastics) | | | 424-9F1 |
| *Carriere Motion 3D* Elastics-Force 2, 3/16", 8 oz (50 packs of 100 elastics) | | | 424-9F2 |
| *Motion 3D* Storage Stray (1/pk) | | | CDA-TRAY |
| Essix, A+ .040 (100/pk) | | | 617-4402 |
| *Motion 3D* Placement Instrument | | | 201-507 |

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U.S. Patent No. 7,618,257, 6,976,839, and 7,238,022 and foreign patent numbers 2,547,433, 1723927, and 2006202089.
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