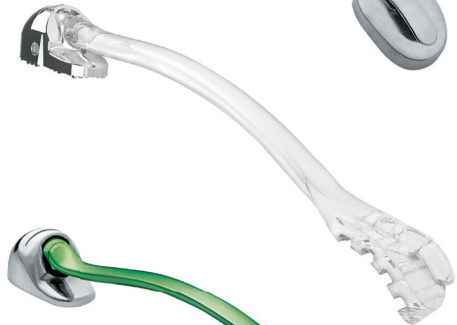


Carriere® *MOTION 3D*™ Class II & III Appliances

Quick Start Guide



MOTION 3D Class II Appliance



MOTION 3D CLEAR™ Class II Appliance



MOTION 3D COLORS™ Class II Appliance



MOTION 3D Class III Appliance

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



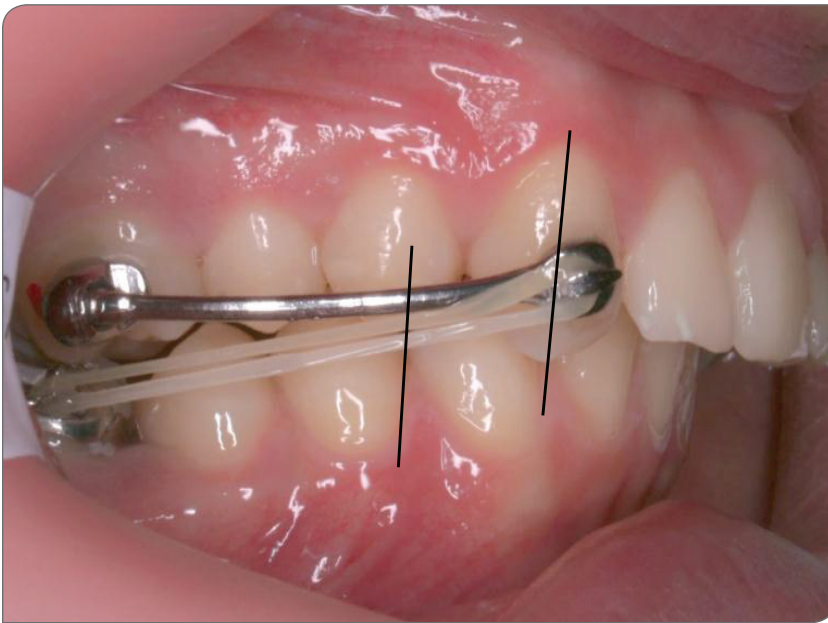
Unlike other Class II and Class III correction devices, *MOTION 3D* Appliances are:

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

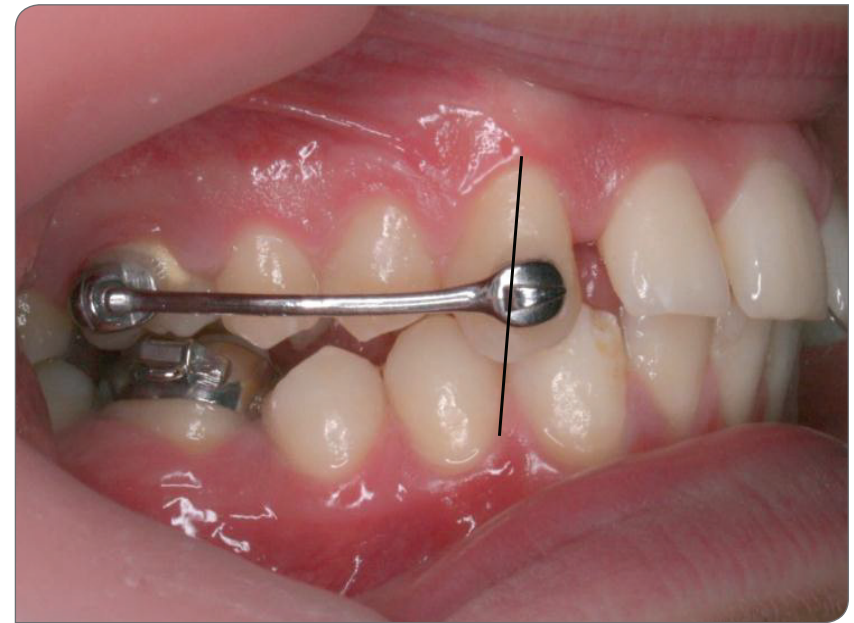
With *MOTION 3D* Appliances patients experience less pain and greater comfort as compared to other Class II appliances.

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

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

*"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

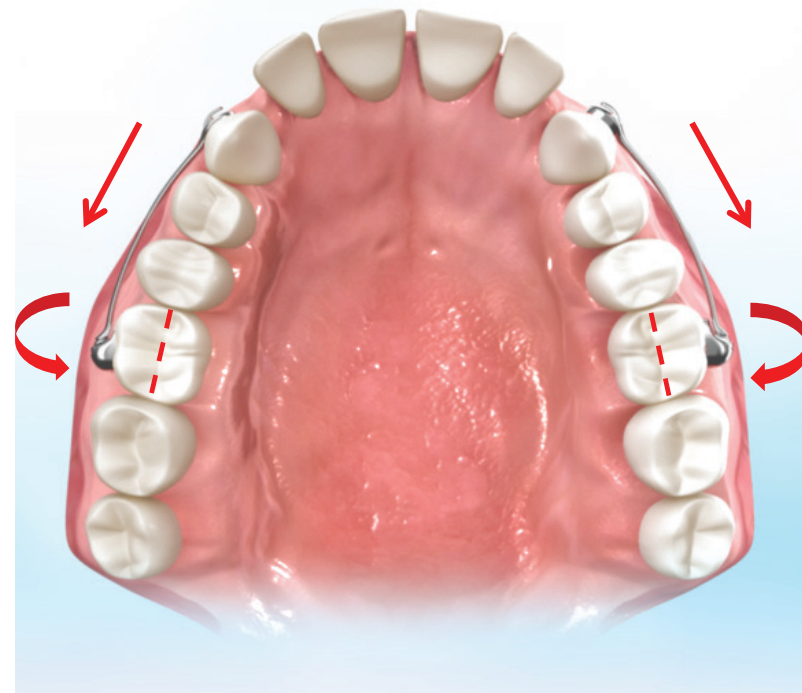
Biometrics of *MOTION 3D* Class II Appliances

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

Key Features for *MOTION 3D Class II Appliances*

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

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



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

MOTION 3D CLEAR™ Class II Appliance

Advanced medical grade polymer
provides excellent strength and durability

Exceptional aesthetics
guaranteed not to stain or discolor

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

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

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:

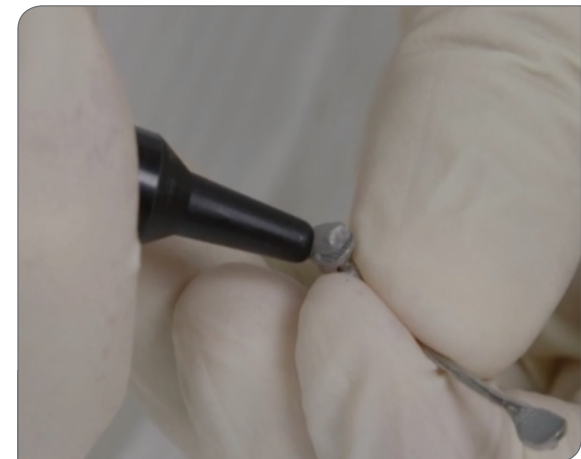
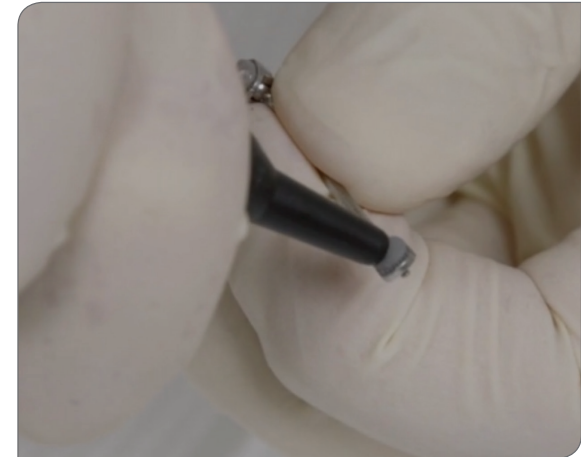
- ▶ More molar rotation: select the smaller size
- ▶ Less molar rotation: select the larger size



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.

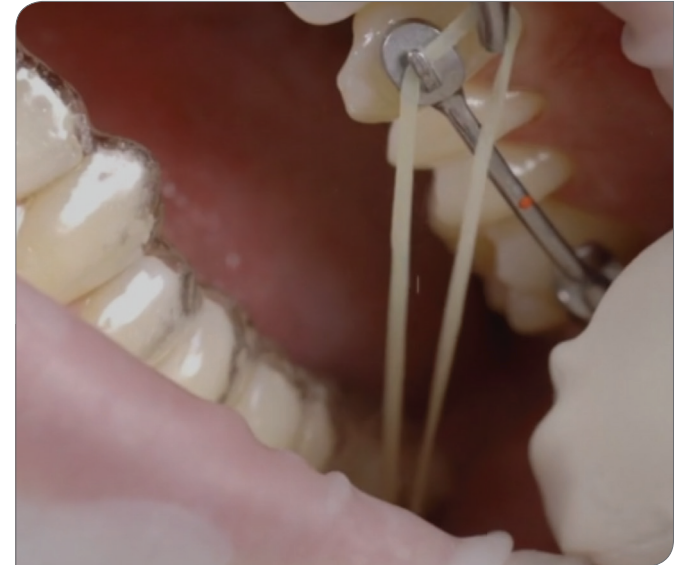
Bonding *MOTION 3D* Class II Appliances

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.

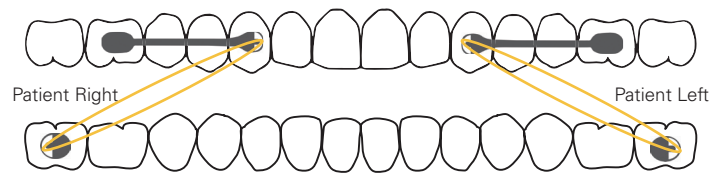


Elastics Protocols for *MOTION 3D* Class II Appliances

Standard Protocol

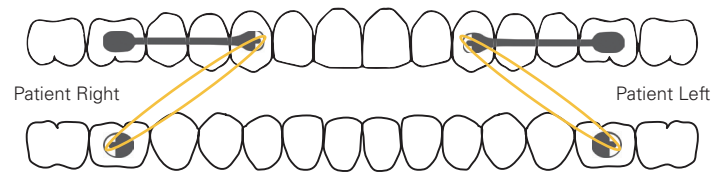
MOTION 3D Upper 3 to 6 with Tube on Lower 7

- 1st month: Force 1 elastics (6 oz, $\frac{1}{4}$ ")
- After 1st month: Force 2 elastics (8 oz, $\frac{3}{16}$ ") thereafter



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

- 1st month: Force 1 elastic (6 oz, $\frac{1}{4}$ ")
- After 1st month: Force 2 elastics (8 oz, $\frac{3}{16}$ ") thereafter

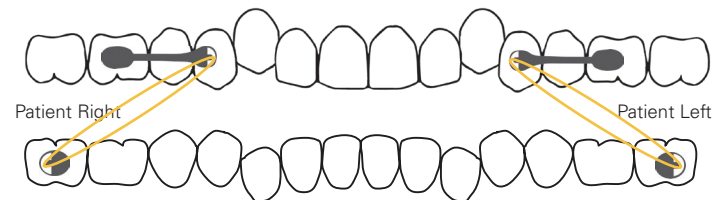


Blocked-Out Canine Standard Protocol

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

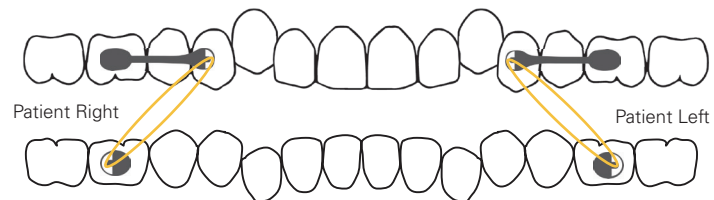
MOTION 3D Upper 4 to 6 with Tube on Lower 7

- 1st month: Force 1 elastics (6 oz, $\frac{1}{4}$ ")
- After 1st month: Force 2 elastics (8 oz, $\frac{3}{16}$ ") thereafter



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

- 1st month and thereafter: Force 2 elastics (8 oz, $\frac{3}{16}$ ")



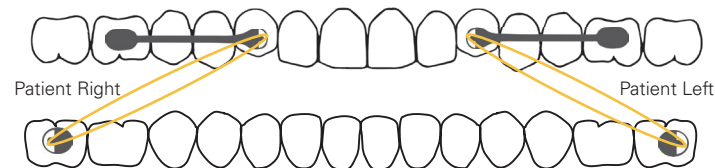
Elastics Protocols for *MOTION 3D* Class II Appliances

Mixed Dentition Protocol With Deciduous Canine

$\frac{2}{3}$ of deciduous canine's root must be available

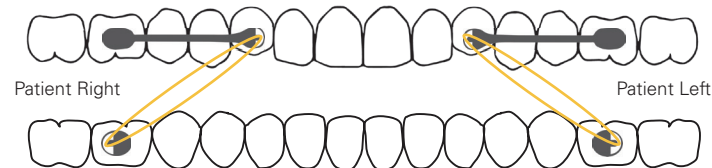
MOTION 3D from Deciduous Canine with Tube on Lower 7

- Force 1 elastics (6 oz, $\frac{1}{4}$ ") throughout the treatment



MOTION 3D from Deciduous Canine with Tube on Lower 6

- Force 1 elastics (6 oz, $\frac{1}{4}$ ") throughout the treatment

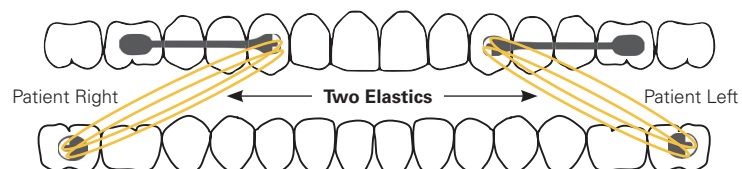


Adult Patients With High-Bone Density

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:

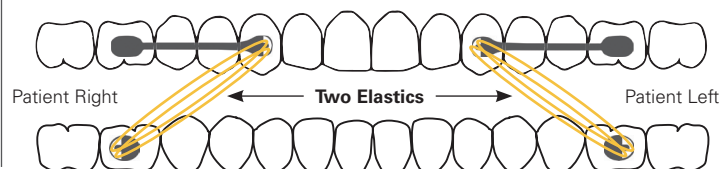
MOTION 3D 3 to 6 with Tube on Lower 7

- 4th month-night: double up Force 1 and Force 2 elastics (6 oz, $\frac{1}{4}$ " & 8 oz, $\frac{3}{16}$ ")
- 4th month-day: single wear of Force 2 elastics (8 oz, $\frac{3}{16}$ ")
- 5th month and thereafter: revert to single wear of Force 2 elastics (8 oz, $\frac{3}{16}$ ")



MOTION 3D 3 to 6 with Tube on Lower 6

- 4th month-night: double up Force 2 elastics (8 oz, $\frac{3}{16}$ ")
- 4th month-day: single wear of Force 2 elastics (8 oz, $\frac{3}{16}$ ")
- 5th month and thereafter: revert to single wear of Force 2 elastics (8 oz, $\frac{3}{16}$ ")



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 **distolingual** 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	
	MOTION 3D METAL	MOTION 3D CLEAR
<i>MOTION 3D</i> Trial Kit (1 Set of each 23, 25, 27 mm)	424-900CN	424-800C
<i>MOTION 3D</i> Intro Kit (1 Set of each 16, 18, 20, 23, 25, 27 mm)	424-901CN	424-801C
<i>MOTION 3D</i> Standard Kit (20 sets) 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)
<i>MOTION 3D</i> Class II 12 mm	424-912LN	424-912RN	424-912CN			
<i>MOTION 3D</i> Class II 13 mm	424-913LN	424-913RN	424-913CN			
<i>MOTION 3D</i> Class II 14 mm	424-914LN	424-914RN	424-914CN			
<i>MOTION 3D</i> Class II 15 mm	● 424-915LN	●● 424-915RN	424-915CN			
<i>MOTION 3D</i> Class II 16 mm	○ 424-916LN	○○ 424-916RN	424-916CN	○ 424-816LC	○○ 424-816RC	424-816C
<i>MOTION 3D</i> Class II 17 mm	● 424-917LN	●● 424-917RN	424-917CN			
<i>MOTION 3D</i> Class II 18 mm	● 424-918LN	●● 424-918RN	424-918CN	● 424-818LC	●● 424-818RC	424-818C
<i>MOTION 3D</i> Class II 19 mm	● 424-919LN	●● 424-919RN	424-919CN			
<i>MOTION 3D</i> Class II 20 mm	● 424-920LN	●● 424-920RN	424-920CN	● 424-820LC	●● 424-820RC	424-820C
<i>MOTION 3D</i> Class II 21 mm	● 424-921LN	●● 424-921RN	424-921CN			
<i>MOTION 3D</i> Class II 22 mm	● 424-922LN	●● 424-922RN	424-922CN			
<i>MOTION 3D</i> Class II 23 mm	● 424-923LN	●● 424-923RN	424-923CN	● 424-823LC	●● 424-823RC	424-823C
<i>MOTION 3D</i> 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)
<i>MOTION 3D</i> Class II 25 mm	● 424-925LN	● ● 424-925RN	424-925CN	● 424-825LC	● ● 424-825RC	424-825C
<i>MOTION 3D</i> Class II 26 mm	● 424-926LN	● ● 424-926RN	424-926CN			
<i>MOTION 3D</i> Class II 27 mm	● 424-927LN	● ● 424-927RN	424-927CN	● 424-827LC	● ● 424-827RC	424-827C
<i>MOTION 3D</i> Class II 28 mm	● 424-928LN	● ● 424-928RN	424-928CN			
<i>MOTION 3D</i> Class II 29 mm	● 424-929LN	● ● 424-929RN	424-929CN			
<i>MOTION 3D</i> Class II 30 mm	● 424-930LN	● ● 424-930RN	424-930CN			
<i>MOTION 3D</i> Class II 31 mm	● 424-931LN	● ● 424-931RN	424-931CN			
<i>MOTION 3D</i> Class II 32 mm	424-932LN	424-932RN	424-932CN			
<i>MOTION 3D</i> Class II 33 mm	424-933LN	424-933RN	424-933CN			
<i>MOTION 3D</i> Class II 34 mm	424-934LN	424-934RN	424-934CN			

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

The *MOTION* 3D Class III Appliance



The *MOTION* 3D Class III Appliance



An elegant and minimally invasive solution for:

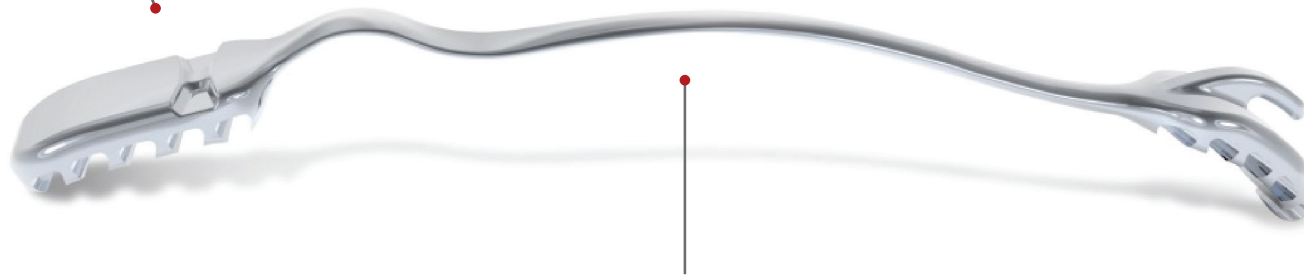
- ▶ Treating dental Class III cases to a balanced and optimal Class I occlusion.
- ▶ Treating a high percentage of skeletal Class III cases to a Class I occlusion (for patients whom do not want surgery).
- ▶ Treating lower anterior crowding at the beginning of treatment (without brackets).

**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

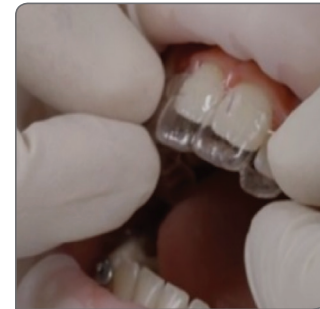
The choice of anchorage can help clinicians reach certain treatment goals associated with facial harmony and balance. The following are two preferred sources of anchorage:

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.



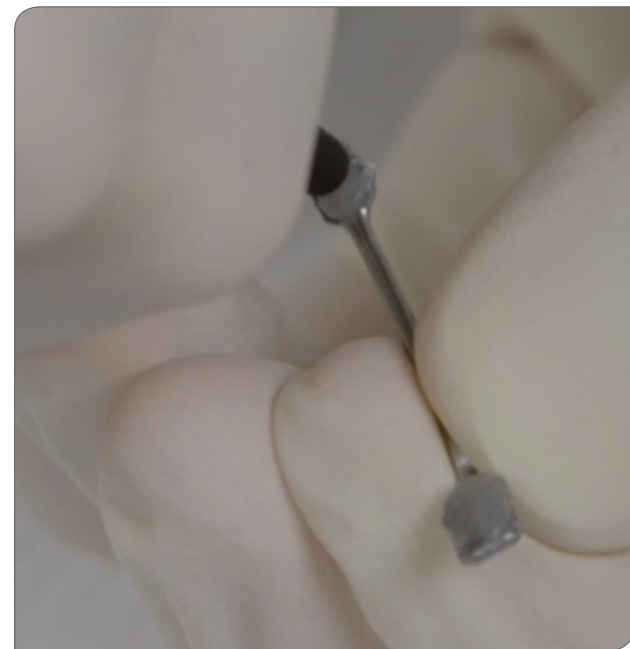
27 mm



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 prophyl 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 3D* 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 3D* 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.

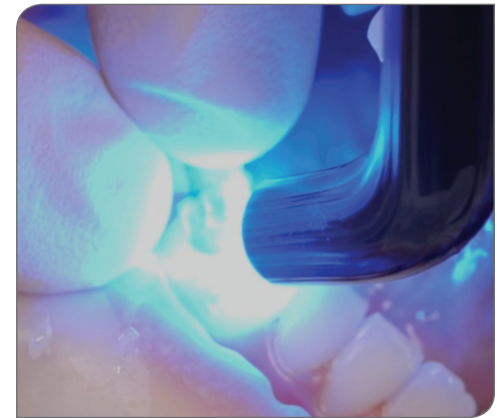
2. Alignment

Position the *Motion 3D* 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 3D* Appliance's pad on the cuspid, so that the *Motion 3D* 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

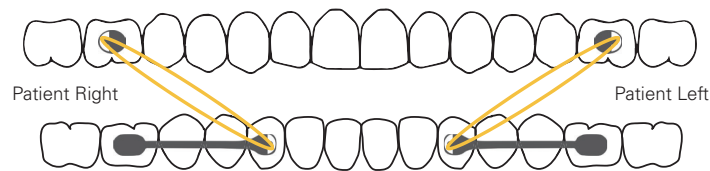
Note: For both protocols, elastics are worn 24-hours per day, except while eating.

Standard Protocol

Elastic will run from lower cuspid to upper molar

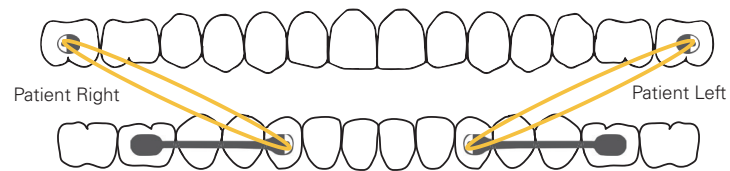
MOTION 3D Lower 3 to 6 with Tube on Upper 6

- Use Force 1 (6 oz, $\frac{1}{4}$ ") elastics throughout the treatment



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

- Use Force 1 (6 oz, $\frac{1}{4}$ ") elastics throughout the treatment

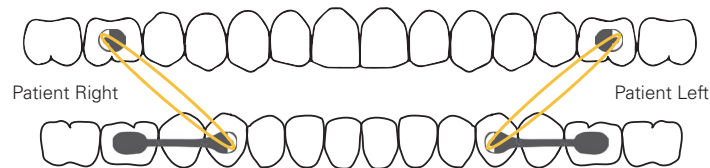


"Shorty" Cases Protocol

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

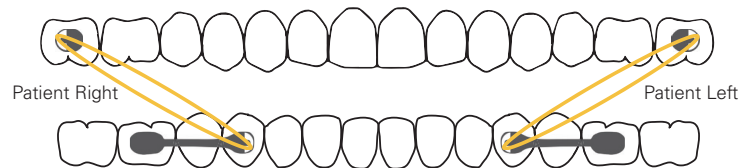
MOTION 3D Lower 4 to 6 with Tube on Upper 6

- Use Force 2 (8 oz, $\frac{3}{16}$ ") elastics throughout the treatment



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

- Use Force 1 (6 oz, $\frac{1}{4}$ ") 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
<i>MOTION 3D</i> Class III Trial Kit (1 set of each 23, 25, 27 mm)		424-407C
<i>MOTION 3D</i> Class III Intro Kit (1 set of each 16, 18, 20, 23, 25, 27 mm)		424-408C
DESCRIPTION/SIZE	COLOR-CODE	ITEM NUMBERS
<i>MOTION 3D</i> Class III 16 mm (1-set)	White 	424-416C
<i>MOTION 3D</i> Class III 18 mm (1-set)	Blue 	424-418C
<i>MOTION 3D</i> Class III 20 mm (1-set)	Pink 	424-420C
<i>MOTION 3D</i> Class III 23 mm (1-set)	Yellow 	424-423C
<i>MOTION 3D</i> Class III 25 mm (1-set)	Red 	424-425C
<i>MOTION 3D</i> Class III 27 mm (1-set)	Green 	424-427C
<i>MOTION 3D</i> Class III 16 mm (1-Universal L/R)	White 	424-416
<i>MOTION 3D</i> Class III 18 mm (1-Universal L/R)	Blue 	424-418
<i>MOTION 3D</i> Class III 20 mm (1-Universal L/R)	Pink 	424-420
<i>MOTION 3D</i> Class III 23 mm (1-Universal L/R)	Yellow 	424-423
<i>MOTION 3D</i> Class III 25 mm (1-Universal L/R)	Red 	424-425
<i>MOTION 3D</i> Class III 27 mm (1-Universal L/R)	Green 	424-427
ACCESSORIES		ITEM NUMBERS
Typodont <i>MOTION 3D</i> Class III with Clear Aligner		631-033DNE
Typodont <i>MOTION 3D</i> Class III Maloccluded with Clear Aligner		631-034DNE
<i>MOTION 3D</i> Class III 5X Model		631-433X
<i>Carriere MOTION 3D</i> Elastics-Force 1, 1/4", 6 oz (50 packs of 100 elastics)		424-9F1
<i>Carriere MOTION 3D</i> Elastics-Force 2, 3/16", 8 oz (50 packs of 100 elastics)		424-9F2
<i>MOTION 3D</i> Storage Tray (1/pk)		CDA-TRAY
Essix, A+ .040 (100/pk)		617-4402
<i>MOTION 3D</i> 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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