

TURN CLASS II INTO SIMPLE CLASS I PATIENTS.



THE CARRIERE MOTION 3D CLASS II APPLIANCE

fast

gentle

natural

MOTION3D™

CARRIERE®  
Shifting the way you think about orthodontics.



# The Carriere Philosophy.

## Fast.

Shortens overall treatment time by up to four months as it treats Class II correction at the beginning of the orthodontic treatment, when there are no competing forces in the mouth caused by brackets or other appliances. This is also when the patient is the most motivated and compliance is at its highest. A Class II correction can usually be completed in an average of 3-4 months.

## Gentle.

The low force of the *MOTION 3D™* Class II Appliance is gentle on your patients, and its low-profile design is very comfortable to wear. By treating the Class II platform first, it simplifies the entire treatment for you, and provides greater comfort for your patients.

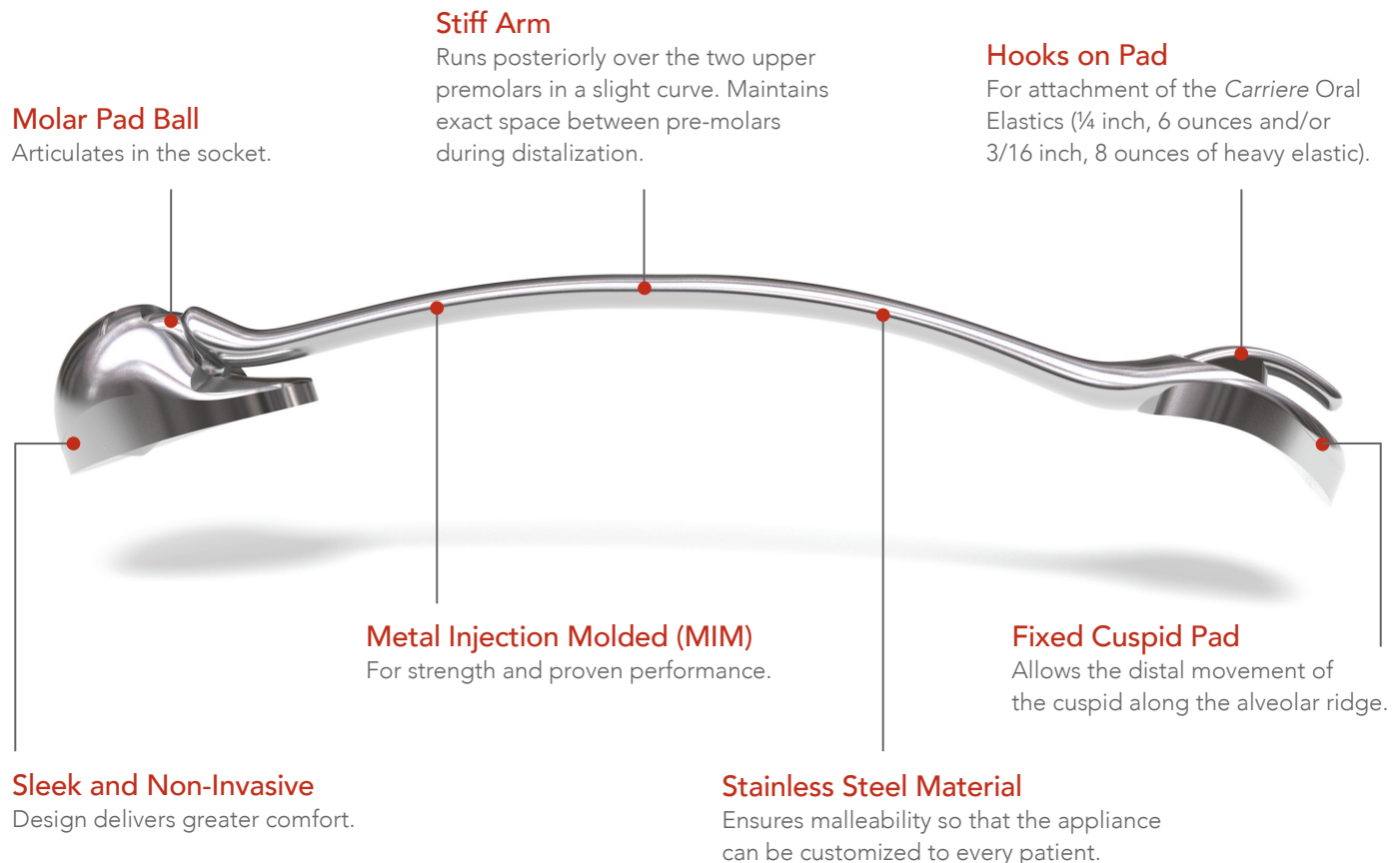
## Natural.

Mimicking a human hip ball-socket joint, the *MOTION 3D* Class II Appliance allows the first molar to rotate and upright in its natural and correct finishing position, producing a continuous, natural, and uniform force for distal molar movement with controlled rotation and tipping correction. Built-in stops engineered in the appliance prevent the molars from over-rotating and the crowns from distal tipping. The *MOTION 3D* Class II Appliance's low forces are biologically compatible during treatment.

# The MOTION 3D Class II Appliance

A huge move in the right direction for orthodontics.

To limit extractions and to turn difficult Class II patients into simpler Class I patients is a dream come true for you and your patients. With its sleek, aesthetic and non-invasive design, the *MOTION 3D* Class II Correction Appliance provides greater comfort and shortens treatment time by up to four months. Delivering a natural, gentle, and uniform force for distal molar movement with controlled rotation and tipping correction before brackets or other appliances are placed, the *MOTION 3D* Class II Appliance solves complex problems almost effortlessly.

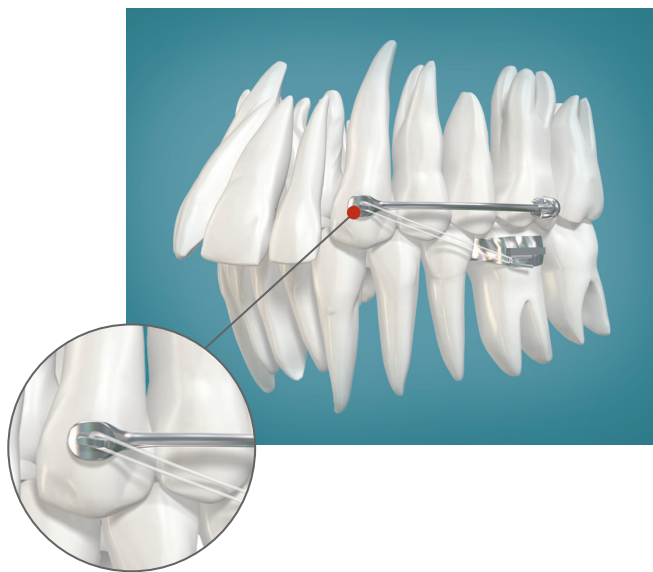


**Loose but Controlled Forces:** The ball and socket joint provides maximum freedom of movement, but also has built-in stops that allow the molars to move directly to their desired position while preventing any unwanted over rotation or tipping.

## Going from Class II to Class I has never been easier.

The *MOTION 3D* Class II Appliance is a direct bond appliance that attaches to the maxillary canine and first permanent molar, providing a simple procedure for turning complex Class II patients into a Class I Platform. Once a Class I condition is achieved, malocclusions become easier to treat and can be finished with your preferred orthodontic technique. Since there are no competing forces in the mouth when using this appliance, average Class II correction can usually be achieved in just three to four months.

- Eliminates wire changes and the distorting collateral forces that appear with every wire activation used in traditional methods.
- Respects periodontal structures.
- Patients are treated faster with less discomfort.
- High level of patient compliance as the appliance is aesthetically pleasing, and used during the initial phase of treatment when patient's motivation is still high.



**Fig. A** | The *MOTION 3D* Class II Appliance with elastics running from cuspid hook to lower mandibular molar. A perfect Class I platform when the relationship from cuspid to molar is in ideal centric relation with centric occlusion.

### How it Works.

- Corrects the posterior occlusion to an ideal Class I Platform first by rotating and uprighting the maxillary first molars while distalizing the posterior segment, from canine or premolar to molars, into a perfect occlusion.
- Simultaneously produces a light, uniform force for distal molar movement.
- Independently moves each posterior segment, from canine or premolar to molar, as a unit.
- Used at the beginning of treatment when there are no competing forces in the mouth allows the distalization of the molars and premolars from 3 to 6 mm range, on average.

### Indications.

- Most effective in treating Class II symmetrical and asymmetrical malocclusions without the need for extractions.
- May also be used in many Class I patients with mesially positioned maxillary molars.
- Growing patients are ideal, but adults may be treated as well.
- Mixed dentition Class II patients with fully erupted molars are candidates for Phase 1 treatment to establish a Class I Platform.



## Ease of Placement.

The *MOTION 3D* Class II Appliance is placed on the maxillary arch, but requires a solid and consistent source of anchorage in the mandibular arch to avoid protrusion of the lower incisors (a lower Essix appliance with direct bonded tubes on lower molars, a passive lingual arch, a full mandibular fixed appliance, or mini-screws). Once the appliance is bonded, the *Carriere* Oral Elastics are attached from the mandibular molar to the hook of the maxillary cuspid of the *MOTION 3D* Class II Appliance to activate.

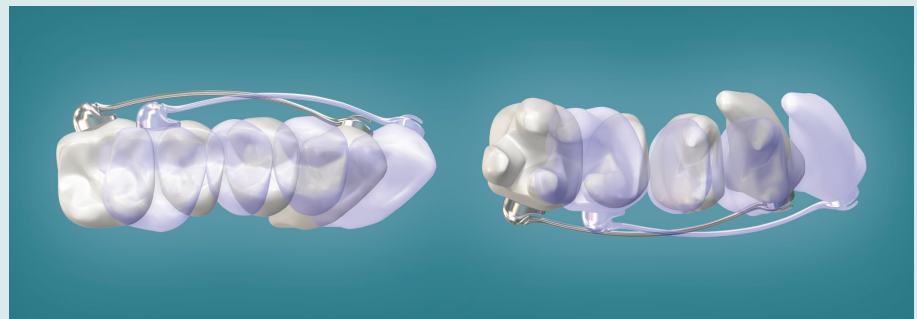
## The Movement Created by the Motion.

Bodily distalizes the maxillary posterior segments as a block while correcting upper first molar rotation and uprighting. The posterior portion of the *MOTION 3D* Class II Appliance accomplishes three types of molar movement:

1. Uprighting of the crown, if it is mesially inclined (*Fig. 01*). Once the molar has been uprighted, the articulation of the ball with the socket prevents distal tipping.
2. Distal rotation around the palatal root. When the maxillary first molar is mesially rotated around the palatal root, the molar occlusion may appear to be Class II, while in reality it is Class I with the canines in a cusp-to-cusp relationship (*Fig. 02*). When the molar has been de-rotated, the shoulder of the posterior base contacts the mesial arm to prevent over-rotation.
3. Distal displacement without concurrent distal tipping of the crown.



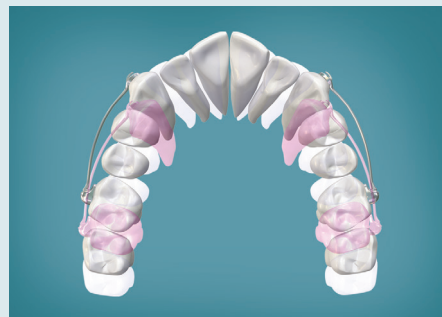
*Fig. 01* | Provides controlled molar rotation and uprighting.



*Fig. 02* | The maxillary molars are distalized and rotated, providing a platform for maxillary canines to occlude in a Class I relationship.



*Fig. 03* | With mesially rotated molars, cuspids cannot occlude in Class I relationship.



*Fig. 04* | Independently moves each posterior segment, from canine or premolar to molar, as a unit.

## Class II Correction with Clear Aligner Systems.

The *MOTION 3D* Class II Appliance may be used with patients who want to be treated with clear aligners, but display a Class II malocclusion. This allows practitioners to treat more patients requesting clear aligners without limitations. Complex Class II malocclusion patients can be “jump started” with the *MOTION 3D* Class II Appliance and finished with a clear aligner system.



### The Motion 3D Class II Appliance

Description / Size				Item Numbers LEFT & RIGHT (1 SET)
KITS				
<i>MOTION 3D</i> Class II Trail Kit (1 set of each 23, 25, 27 mm)				424-900CN
<i>MOTION 3D</i> Class II Intro Kit (1 set of each 16, 18, 20, 23, 25, 27 mm)				424-901CN
<i>MOTION 3D</i> Class II Standard Kit (20 sets) 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
Description / Size	Color-Code	Item Numbers LEFT	Item Numbers RIGHT	Item Numbers LEFT & RIGHT (1 SET)
FIRST BICUSPID TO FIRST MOLAR*				
<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	● Yellow	● 424-915LN	●● 424-915RN	424-915CN
<i>MOTION 3D</i> Class II 16 mm	○ White	○ 424-916LN	○○ 424-916RN	424-916CN
<i>MOTION 3D</i> Class II 17 mm	● Red	● 424-917LN	●● 424-917RN	424-917CN
<i>MOTION 3D</i> Class II 18 mm	● Blue	● 424-918LN	●● 424-918RN	424-918CN
<i>MOTION 3D</i> Class II 19 mm	● Green	● 424-919LN	●● 424-919RN	424-919CN
<i>MOTION 3D</i> Class II 20 mm	● Pink	● 424-920LN	●● 424-920RN	424-920CN
<i>MOTION 3D</i> Class II 21 mm	● Purple	● 424-921LN	●● 424-921RN	424-921CN
<i>MOTION 3D</i> Class II 22 mm	● Black	● 424-922LN	●● 424-922RN	424-922CN

\*“First Bicuspid to First Molar” and “Cuspid to First Molar” descriptions are an estimated guide of use. The size of the *MOTION 3D* Class II Appliance and span of teeth are dependent upon the age and size of each patient.

## The MOTION 3D Class II Appliance

Description / Size	Color-Code	Item Numbers LEFT	Item Numbers RIGHT	Item Numbers LEFT & RIGHT (1 SET)
<b>CUSPID TO FIRST MOLAR*</b>				
MOTION 3D Class II 23 mm	● Yellow	● 424-923LN	●● 424-923RN	424-923CN
MOTION 3D Class II 24 mm	○ White	○ 424-924LN	○○ 424-924RN	424-924CN
MOTION 3D Class II 25 mm	● Red	● 424-925LN	●● 424-925RN	424-925CN
MOTION 3D Class II 26 mm	● Blue	● 424-926LN	●● 424-926RN	424-926CN
MOTION 3D Class II 27 mm	● Green	● 424-927LN	●● 424-927RN	424-927CN
MOTION 3D Class II 28 mm	● Pink	● 424-928LN	●● 424-928RN	424-928CN
MOTION 3D Class II 29 mm	● Purple	● 424-929LN	●● 424-929RN	424-929CN
MOTION 3D Class II 30 mm	● Black	● 424-930LN	●● 424-930RN	424-930CN
MOTION 3D Class II 31 mm	● Grey	● 424-931LN	●● 424-931RN	424-931CN
MOTION 3D Class II 32 mm	-	424-932LN	424-932RN	424-932CN
MOTION 3D Class II 33 mm	-	424-933LN	424-933RN	424-933CN
MOTION 3D Class II 34 mm	-	424-934LN	424-934RN	424-934CN

Description / Size	Item Numbers
<b>ACCESSORIES</b>	
Typodont-MOTION 3D Class II with Clear Aligner	631-017DNE
MOTION 3D Class II 5x Model	631-424X
MOTION 3D Class II Elastics - Force 1, 1/4", 6 oz (50 packs of 100 elastics)	424-9F1
MOTION 3D Class II Elastics - Force 2, 3/16", 8 oz (50 packs of 100 elastics)	631-9F2
MOTION 3D Class II Storage Tray (1/pk)	CDA-TRAY
Essix, A+ .040 (100/pk)	617-4402
MOTION 3D Placement Instrument	201-507

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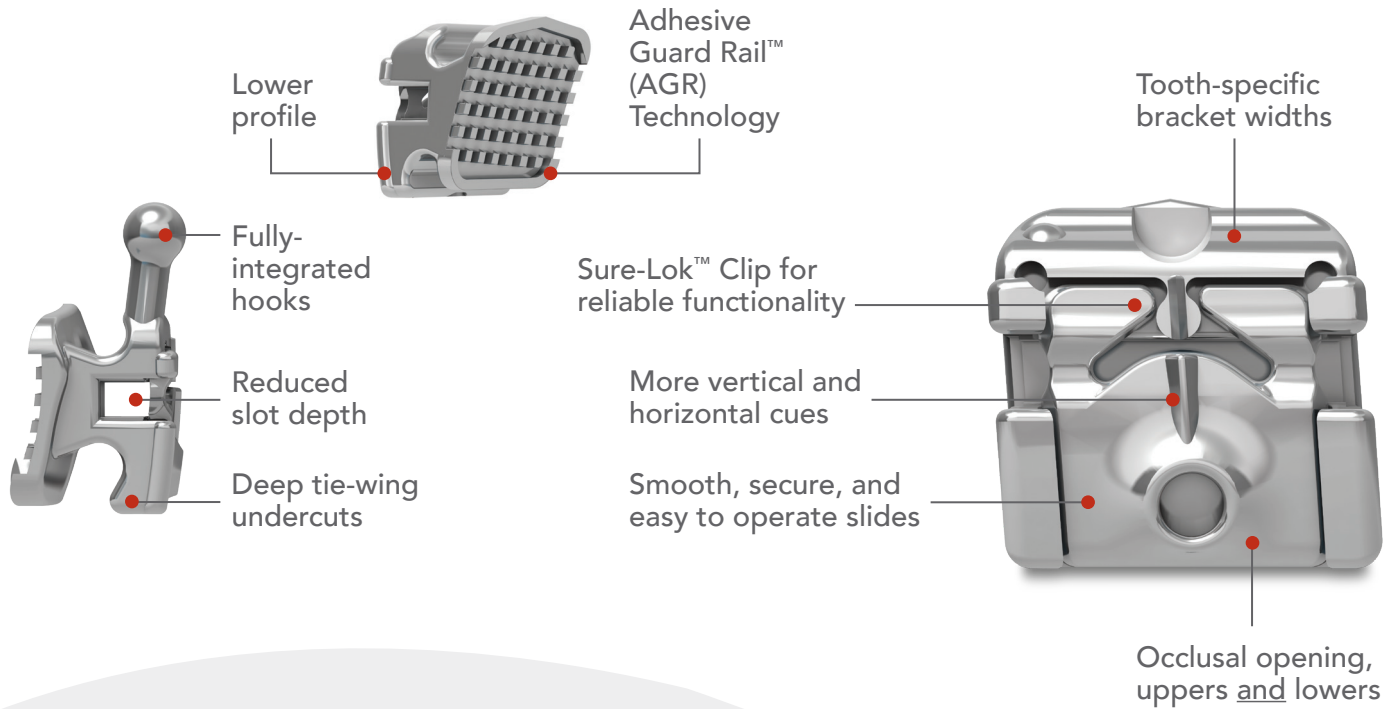
## Carriere Oral Elastics



Complement the *Motion 3D* Class II Appliance with *Carriere* Oral Elastics, which were designed specifically to work seamlessly with this appliance and provide optimum results. These elastics are available in two different force levels for both stages of treatment, ensuring a smooth and timely transition to a Class I Platform.

## Carriere SLX™ Bracket System

Our passive self-ligating system incorporates more than ten clinician inspired enhancements – all designed to enable you to finish treatment more quickly and with the degree of quality that you expect. Try the *SLX* System today, and see why it's a game changer for you, your patients, and your practice.



For more information on our products and educational offerings, please contact us:

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Outside the U.S.: +(1) 760.448.8600

Canada: CERUM 800.661.9567

To email an order: USASales@HenryScheinOrtho.com

To email an order from outside the U.S.: IntlOrders@HenryScheinOrtho.com

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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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