



## Carriere® Distalizer™ Class II Correction Appliance

### Instructions for Appliance Placement

*Use Light-Cure Adhesive*

#### 1. Preparation of the Mandibular Arch:

The *Carriere Distalizer* will be placed on the maxillary arch. A solid and consistent source of anchorage must be selected to avoid protrusion of the lower incisors. Possible sources of anchorage can be selected based on orthodontists' preference such as a lower Essix Appliance with direct bonded tubes on lower molars, passive lingual arch, full mandibular fixed appliance, or mini-screws.

#### 2. Appliance Selection

##### a. Measurements of the Maxillary:

- Using a *Carriere Distalizer Ruler*, which comes included with the appliance, measure from the midpoint on the facial surface of the maxillary first molar buccal groove (U6) to the midpoint of the facial surface of the maxillary cuspid (U3). The appliance will be bonded from the 1<sup>st</sup> molar to the cuspid.
- In a case when the cuspid is not erupted, or when the cuspid is inaccessible or too high, measure from the midpoint of the maxillary first molar buccal groove (U6) to the midpoint of the first bicuspid (U4). The appliance is then bonded from the 1<sup>st</sup> molar to 1<sup>st</sup> bicuspid, so that the posterior teeth can be distalized to provide space for the blocked-out upper cuspid.

##### b. Appliance Selections:

Find the correct length *Carriere Distalizer* for treatment by using the measurement found and described in section 2a.

When the measurement is between 2 sizes (i.e. in between 24mm and 25mm) select the correct appliance based on the amount of rotation desired.

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

Appliance selection:

- R = Right distalizer
- L = Left Distalizer

#### 3. Prep the teeth as per the Light-Cure Adhesive instructions:

- Clean:** Clean upper 1<sup>st</sup> molar and upper cuspid or upper 1<sup>st</sup> bicuspid using prophy paste.
- Rinse and dry:** Rinse teeth thoroughly with water and air dry.
- Etch:** Etch the surface of the 1<sup>st</sup> molar and upper cuspid (or upper 1<sup>st</sup> bicuspid) as appropriate for the adhesive selected.
- Rinse:** Rinse teeth thoroughly with water.
- Dry:** Apply brief air burst to surface of etched cuspid and molar. Ensure that the entire isolated area is dry.

- d. **Prime:** Apply a uniform coating of primer onto the surface of the 1<sup>st</sup> molar and upper cuspid (or upper 1<sup>st</sup> bicuspid), for maximum tensile bond strength.
- e. **Coat:** Holding the distalizer by the arm, dispense a small amount of paste or bonding material, covering completely each of *the Carriere Distalizer's* pads.

#### 4. Placing the Carriere Distalizer Class II Correction Appliance

- f. **Place:** Using a locking hemostat, forceps or tweezers, grab the arm of the distalizer, and position the distalizer onto the teeth. Position the molar pad first on the molar, then position the cuspid pad onto the mesial third of the cuspid (or 1<sup>st</sup> bicuspid).
- g. **Alignment:** Then while still using the hemostat, forceps, or tweezers, position the distalizer onto its optimal position by aligning both pads onto the tooth surface. Generally little, if any, adjustment in the curvature of the arm of the *Carriere Distalizer* is necessary. A small tweaking can be made by adjusting the distalizer bar, using gentle finger pressure on the middle of the arm. Remove excess adhesive using your hemostat, forceps, or tweezers, from tooth surface maintaining the distalizer alignment.
  - i. **Caution:** For adjusting the distalizer bar, use gentle finger pressure on the middle of the arm by placing the Distalizer on a flat and solid surface. Do not use instrument or pliers for adjusting the bar or pad.
  - ii. **Caution:** Avoid repeated adjustments, bending and straightening of the bar. Repeated bending of the bar will weaken and fatigue the bar and may create a breakage of the bar.
  - iii. **Caution:** Avoid trying the *Carriere Distalizer* on the teeth of the patient before bonding as it might contaminate with saliva the bonding pads.
- h. **Cure:** Fully cure the *Carriere Distalizer's* pads onto the teeth, start with the molar first, then move to the cuspid or bicuspid.
- i. **Attach Class II elastics:** Attach the elastic from molar to cuspid: First attach elastic at mandibular molar, and then stretch and attach to hook of maxillary cuspid of *Carriere Distalizer*. Recommended Class II elastic are: Start first month with ¼ inch, 6 ounces of heavy elastic (Force 1), then for the second month change to 3/16 inch, 8 ounces (Force 2). Other alternative: use ¼ inch, 6 ounces of heavy elastic (Force 1) during daytime and alternate with 3/16 inch, 8 ounces at nighttime (Force 2).
- j. **Provide instructions to the patient on elastic wear:** Patient should wear elastics at all times, except when eating, using the Class II elastic recommended in section 4i.



#### CONTACT AND ORDERING INFORMATION

Ortho Organizers, Inc.  
 1822 Aston Avenue | Carlsbad, CA 92008 | USA  
 Tel: 800.547.2000, +1 760.448.8600 | Fax: +1 800.888.7244



mdi Europa GmbH  
 Langenhagener Str. 71  
 30855 Langenhagen, Germany



Visit the *Ortho Organizers*<sup>®</sup> Web site at [OrthoOrganizers.com](http://OrthoOrganizers.com) or ClassOne's<sup>™</sup> Web site at [ClassOneOrtho.com](http://ClassOneOrtho.com)

© 2010 Ortho Organizers, Inc. All rights reserved.

Carriere is a registered trademark of Dr. Luis Carriere.