



## VektorPRO Class II Corrector

Series 610

### Symbols Used on Labeling

	Manufacturer.
	Date of manufacture.
	Authorized Representative in the European Community.
	Batch code.
	Caution! See warnings and precautions.
	Consult instructions for use.
	Do not re-use.
	Use by date.
	Do not use if package is damaged.
	Product is not sterilized.

 TP Orthodontics, Inc.  
100 Center Plaza  
La Porte, Indiana 46350-9672 USA  
[tportho.com](http://tportho.com)



VektorPRO is manufactured under US Patent 8,529,253.

© 2016 TP Orthodontics, Inc.

996-145, Rev. A – 4/21

### Indications for Use

This appliance is intended for orthodontic treatment of Class II malocclusions.

### Warning

- This appliance contains nickel and/or chromium which has been known to cause allergic reactions.
- This appliance contains small components that may be swallowed if precautions are not taken during installation and removal.
- This is a single-use device. Any reuse of this product will run the risk of cross-contamination to patients.
- **Due to the properties of nickel-titanium wire, it will only allow for one-time bending at install; attempting to reposition the wire by re-bending will result in breakage.**

### Precautions

- This product must be used by qualified orthodontists or dentists trained in orthodontics.

### Contraindications

- Installing the device to patients with compromised oral health, such as poor oral hygiene, periodontal disease, or preexisting dental conditions (i.e. decalcification, carious lesions, large restorations) can increase the risk of tooth damage.
- TP Orthodontics sells its products to trained dental professionals and orthodontists, who have the primary responsibility to identify any possible contraindications that may preclude the use of this product.

### Instructions for Use

**Molars must be banded, and the use of an occlusal headgear tube is required (second molars must be banded or bonded if present for improved anchorage).**

Patients with .018 slots must be in .017" x .025" (0.4318mm x 0.635mm) steel rectangular archwire to fill slot completely. Patients with .022 slots must be in a .021" x .025" (0.5334mm x 0.635mm) steel rectangular archwire to fill slot completely.

For patient comfort, it is recommended to wait two weeks after placement of rectangular wires to install the VektorPRO appliance which typically can be done in a 15-minute appointment.

If lower bicuspid are reasonably straight, wait until the VektorPRO phase is complete before bonding. The goal is to intrude the lower 6 anterior teeth to level the lower arch, as opposed to extruding the bicuspid during initial leveling.

When placing the large upper wire, narrow it distal to the canines so the distal ends of the wires touch. Also put in molar palatal crown torque to control over expansion of the maxillary arch.

At the end of the correction phase (4-6 months), use of Class II night time elastics is recommended for retention.

### Measuring

Have the patient bite down in centric and measure from the mesial of the upper molar head gear tube down to the distal of the sliding arch lock (measure both sides).

VektorPRO – Size Chart	
Measured Length (mm)	VektorPRO (mm)
14 to 15	27 (BLACK Indicator)
16 to 18	30 (BLUE Indicator)
19 to 21	33 (WHITE Indicator)
22 to 24	Move arch lock distally to where measured distance is 21mm and fit a 33 (WHITE Indicator)

## Installation Steps

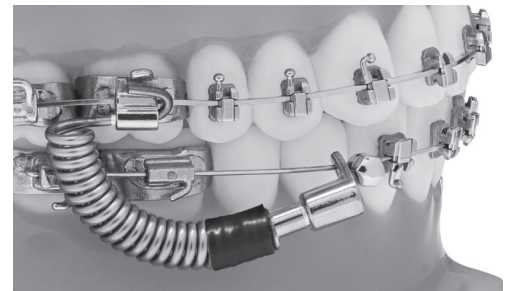
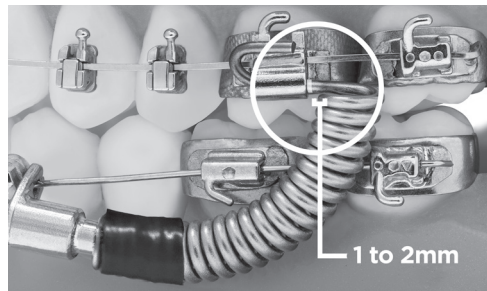
1. *If bonded previously, remove lower bicuspid brackets.* Place the wire in anterior brackets and mark immediately distal to canine brackets. Make a **1mm bayonet bend** at marking. Slide on the archwire lock and tighten at bayonet bend (first loosen the assembly without taking it apart so it can slide on the wire).



2. Reinstall the archwire, bend the distal down and cinch back to prevent mesial movement of the lower anchorage teeth.
3. Slip the gap in the split ring onto the lower archwire just behind the arch lock and squeeze the gap closed with a Howe or Weingart plier.
4. Insert the upper extension of the appliance spring into the headgear tube from the distal.
5. **IMPORTANT:** The wire extension has a guide to indicate maximum insertion length. Do not insert the wire past the guide; there should be 1-2mm of wire distal of the headgear tube to the coil spring.



6. Hold the upper extension of the appliance with your finger, grip the 5mm sticking out the front of the tube with a Howe or Weingart plier and bend it into a U shape. The front 5mm of this wire have been annealed to facilitate bending (and unbending during removal). **Due to the properties of nickel-titanium wire, it will only allow for one-time bending at install; attempting to reposition the wire by re-bending will result in breakage.**



Properly installed appliance.

## Storage Condition

Product should be kept in a clean location.

## Shelf Life

5 years.

## NOTICE:

TP Orthodontics, Inc. warrants that its products are free from defects in materials and workmanship. TPO's liability and the customer's sole remedy in the event of any claimed defect shall be limited to replacement of the product, or at TPO's discretion, refund of the purchase price. This warranty is in lieu of any other warranties, express or implied, including any implied warranty of merchantability, fitness for a particular purpose, or otherwise, and of any other obligations or liability on TPO's part. Other than the warranties listed above, under no circumstances will TPO be liable for any loss, damages arising in connection with use, or inability to use, TPO's products.