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**SPECIALISTS IN APPLIANCE THERAPY FOR ADULTS AND CHILDREN**

## ADJUSTMENT INSTRUCTIONS FOR: THE MAGILL DISTAL DRIVE SAGITTAL

### INSERTION OF APPLIANCE:

1. Good separation of the teeth is very important to aid in seating the appliance.
2. Seat the entire appliance as one unit – all four bands together
3. To make the insertion easier, place an elastic around the mesial of the drive tube and the distal of the buccal tube on the molar band on each side.
4. Be sure to remove the elastic after insertion.

### ACTIVATING THE APPLIANCE:

1. Distalization without anterior movement is best achieved by activating one side at a time.
2. To activate the appliance, insert the Allen Wrench that was provided into the hex slot at the front of the tube and turn the screw 180 degrees in a clockwise direction.
3. Both sides turn in the same direction.
4. The drive tube is 10 to 13mm long. You can get 9mm of activation. If the appliance is over activated, it is possible to drive the wire completely out of the distal of the tube
5. Each activation is .27mm
6. The appliance should be activated one turn every 4 days. For adults it should be one turn once a week.
7. Be sure to over distalize by approximately 2mm per side to account for relapse.

**ONCE THE DISTALIZATION IS COMPLETED, A HOLDING APPLIANCE  
MUST BE PLACED BEFORE YOU CAN BEGIN CONSOLIDATING  
THE POSTERIOR SPACE.**

### TRANSITION FROM DISTALIZATION TO HOLDING PHASE:

Once you have created enough arch length, you will need to hold the molars in their new position as you begin to consolidate the posterior space. You will need to remove the appliance, and then take an impression of the arch. Once you have the impression, re-cement the Magill Sagittal to hold the distalization. If you do not put the Magill Sagittal back in, you will lose all the space you created with the appliance. We can fabricate a Multi Action Expander or Nance Button for the upper arch and a Lingual Arch for the lower arch. Once you receive the Lingual holding appliance, you can remove the Magill Sagittal. At this appointment place the holding appliance. You are now ready to place brackets on the entire arch and begin consolidating the space. Use chain elastic to begin pulling one tooth per side distally until all the space is closed up.

FOR ADDITIONAL ADJUSTMENT INFORMATION ABOUT THIS APPLIANCE  
AND MANY MORE, VISIT OUR YOUTUBE CHANNEL AT:

[www.youtube.com/ OhlendorfApplianceLab](http://www.youtube.com/OhlendorfApplianceLab)

2840 CLARK AVENUE • P.O. BOX 7212 • ST. LOUIS, MO 63177 • 1-800-325-8921

e-mail address - [info@OhlendorfApplianceLab.com](mailto:info@OhlendorfApplianceLab.com) Web address - [www.OhlendorfApplianceLab.com](http://www.OhlendorfApplianceLab.com)