



TECHNICAL GUIDE

The Modified Begg Wraparound Retainer with QCM Labial Bow



Description:

The Modified Begg Wraparound Retainer is designed like a traditional wrap around retainer but has a clear plastic labial bow in place of a traditional round wire bow. The clear **QCM Labial Bow** extends from first bicuspid to first bicuspid and is thermally adapted to conform to the facial/buccal of all of these teeth. This special labial bow has an adjustment loop that is positioned mesial to the first molars and it is soldered to .036 C-clasps on the second molars. The C-clasp wire engages the distal of the terminal molar and is anchored in the acrylic palate. For this reason, the terminal molars must be fully erupted. Small lingual wires are placed at the mesial-lingual undercut of the first molars and second bicuspid to aid in retention.



Indications:

- As a retainer when orthodontic treatment has been completed.
- For patients who are concerned with their aesthetic appearance.
- For cases with normal incisal angles.

Contraindications:

- The addition of lingual springs are not recommended.
- Not recommended for finishing cases or for relapse cases.
- Cases that started with a central diastema and/or a protrusive incisal angle.
- Cases where the second molars are not fully erupted.

Alternate Appliances:

Traditional Wrap Around retainer with/without clear acrylic on the labial bow.

Clear 'Crystaliner' retainer to hold.

Bonded 3 x 3.

The advantages of this appliance are:

The main advantages of this appliance are aesthetics and no posterior interferences. First, all of the wires used to construct the appliance are positioned toward the posterior segments, thus, encouraging compliance and revealing only a beautiful smile. Secondly, since no wires cross the occlusion there is no interference with the patient's bite and the posterior teeth are allowed to settle into occlusion.

Clinical Procedures:

1. Complete maxillary and mandibular impressions. If brackets are going to remain on until the appliance is delivered remove the arch wire *before* taking the impression; reinsert the archwire after the impression has been taken. Make sure the distal of the second molars are fully captured! Poor clarity in this area is a major cause of an improperly fitting appliance.
2. Pour impressions with lab stone.
3. Send the case to the laboratory with a completed *Orthodontic Technologies* prescription form. Remember to offer Wild Things® to your patients. They are beautiful and they encourage compliance!

Delivery Suggestions:

1. Trial fit the appliance.
2. Adjust the omega loops with a pair of three prong pliers if needed for tension on the bow.
3. Adjust the length of the lingual retention wires if needed for ease of insertion.
4. Give instructions to the patient on appliance care. We recommend using an appliance cleaner such as Retainer Brite.

Length of Treatment Time:

Normally retainers are worn full time for the first three months, then at night only thereafter. Because of the special clear bow, full time wear can be extended as needed.