



# TECHNICAL GUIDE

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## Distal Shoe Appliance



### Description:

The Distal Shoe is an appliance that is designed to upright an impacted, and in some cases tipped, molar. It is an extremely simple appliance consisting only of a reverse band and loop with an extra wedge-shaped, piece of band material that is soldered to the distal of the loop. This extra piece of material is positioned to penetrate the tissue at the mesial of the impacted molar. The appliance functions to guide the eruption of the molar in an upright direction. The basic design of this appliance is a single band on the first deciduous molar with a reverse loop/shoe to the mesial of the impacted 6-year molar.

### Indications:

Impacted first year molar(s).

### Contraindications:

None.

### Alternate Appliance:

None.

### Clinical Procedures:

1. Size a band for the deciduous molar or indicate on the lab slip that you want us to do it for you.
2. Take impression of the arch needing treatment (only the affected quadrant is required).
3. Take a bite wing x-ray of the impacted molar. Although optional, for the best fitting appliance we recommend sending a bite wing x-ray. Note, unless the tooth is somewhat erupted we cannot accurately ascertain the placement of the distal shoe.
4. Pour the impression in lab stone.
5. Send the case to the lab with a completed *Orthodontic Technologies* prescription form. Place the band and the bite wing x-ray in a separate bag or envelope and staple it to the lab slip.



**Delivery Suggestions:**

1. The affected tissue may be anesthetized to facilitate seating the appliance.
2. Seat and cement the band while carefully aligning the distal shoe.
3. Give instructions to the patient on the wear and care of the appliance.

**Stabilization of the Teeth and Bone Following Removal of the Distal Shoe:**

After the appliance is removed a space maintenance appliance should be inserted to prevent the molar from drifting mesially and from relapse.

For Additional Information Call **ORTHODONTIC TECHNOLOGIES, INC.** 1-800-346-5133  
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