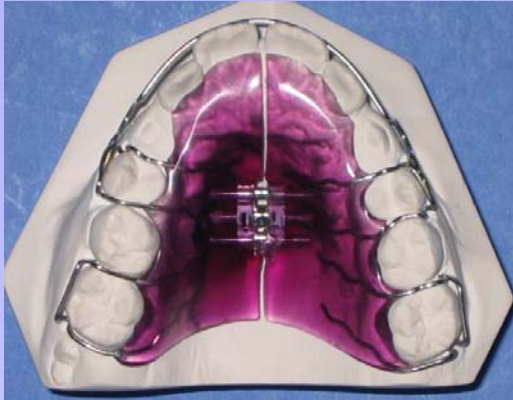


# SCHWARTZ APPLIANCES



**STANDARD**



**TWO-SCREW**



**FAN-SCREW**

**The Schwartz is worn 24/7 (including meals)  
for approximately four months.**

## Indications for Schwartz Treatment:

- Early mixed dentition
- V-shaped maxilla
- Deep bite
- Increase cuspid and/or molar width
- Transverse development required
- Class II Tendency—Schwartz will encourage the mandible to function in class I as Mx is developed

## Appliance Modifications Available:

- **Standard One-Screw:** Arch Width
- **Two-Screw:** Adult or V-shaped Mx
- **Fan-Screw:** Correct V-shaped arch
- **Occlusal Coverage:** To clear a crossbite and provide comfort during mastication. Far less fracture and improved patient acceptance. Encourages a Class II to autorotate into Class I
- **Anterior Bite Plane:** Along with occlusal coverage can increase vertical as you relieve the acrylic over the lower 1st molars, following several millimeters of expansion.
- **Acrylic coverage over Mx 2nd molars for non-extraction treatment requiring pre-maxillary development alone.**

## Laboratory Requirements:

- Upper and lower stone casts
- Construction bite in ideal vertical open 2mm in the 2nd bicuspid region.

## Fabrication Improvements:

- Acrylic appliances are reinforced with wire mesh or Kevlar to reduce fracture.
- 14 karat gold solder joints to prevent discolouration/erosion.

## Compliance Issues:

- Request circumferential clasps on upper 1st deciduous molars to increase retention using a **resin wash** to create an undercut
- Consider bonding the non-activated appliance in place for the first week.
- Rough up the occlusal surface to aid in mastication and patient acceptance.
- Request rugae to the upper appliance to improve speech for teenagers and adults.

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