

Barrel Fixed 3 Way

Premaxilla Development



Simply put , there is not a better appliance for pre-maxillary development. When arch length and transverse enhancement is needed, This sturdy appliance has countless benefits: it's durable, easy to place, has minimal bulk, and can be worn in conjunction with straight wire treatment.

The Barrel fixed 3 way for pre-maxillary development is a versatile 3 way appliance for patients who will simply not wear a removable appliance. Clinicians often claim that there is not a better appliance for anterior development. Clinicians have also discovered that unlike similar designs where the transverse screw is placed in the anterior, the sturdy design of this appliance achieves posterior expansion equal to an RPE or Quad Helix.

The most important benefit of the Barrel Fixed 3 Way is in the simple design of this appliance which allows the clinician to progress to straight wire treatment while the patient develops the arch. This benefit often reduces overall treatment time.

The Barrel Fixed Three way's standard design includes a 7mm transverse screw and 10 mm bilateral Sagittal screws. If the clinician would like to achieve greater than 5mm of transverse development a 10mm screw can be substituted in the anterior region.

How does the patient activate the barrel fixed 3 way?

The Sagittal screws are turned 1/4 turn twice a week. The transverse expansion screw is also turned 1/4 turn twice a week. If a premaxillary asymmetry exists, one side may be turned more than the other until the asymmetry correction has occurred. Then simply turn both sides evenly.

Delivery notes: After cementing the bands, stabilize the appliance by placing a small dollop of adhesive to the first bicuspid rests and bicuspids adhering the two together. This adds greater retention, improved stabilization , and increases posterior anchorage needed for pre-maxillary development.

What do I need to do to get started?

Send Five Star upper and lower stone models. A heavy body alginate is fine as long as it is free of bubbles, distortion, or voids. Please do not pour your models with your bands in them, rather send the models with the bands separate or ask Five Star to size them for you. The Barrel Fixed Three way does not require separators to be placed prior to taking impressions. Separators mesial and distal to the first molars are placed after impressions are taken and should remain until delivery of the appliance.