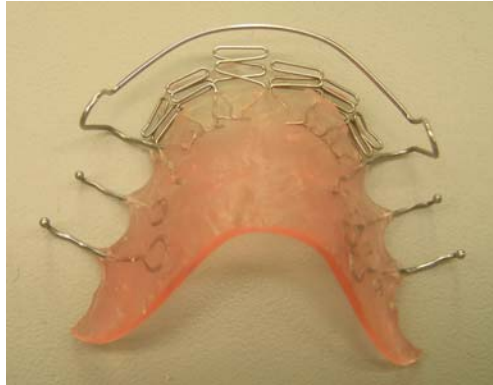




TECHNICAL GUIDE

SpeedAligner® Appliance



Description:

The SpeedAligner® Appliance is a removable type orthodontic appliance which resembles a Hawley-type Retainer. This appliance is primarily designed for esthetic treatment and can be used to correct minor tooth crowding and rotations, especially effective in relapse cases. It can also be used to obtain functional results, because it is capable of bodily moving teeth and not just tipping them. The SpeedAligner® uses preactivated QuikSprings™, these amazing springs provide a low-rate, constant, light, continuous, optimal force system that when compounded achieve the necessary forces to align the six anterior teeth and their roots. Because the appliance is capable of effectively moving individual teeth concurrently or sequentially as indicated, treatment with the appliance will very often require no interproximal slenderizing, or to a lesser degree than might otherwise be necessary with appliances that attempt to move all teeth at once or those which are incapable of generating the bone remodeling type of forces the SpeedAligner® Appliance can. The appliance can also be constructed with one or more expansion screws.

Indications for the use of the SpeedAligner® Appliance:

Minor to moderate anterior tooth rotations, torque discrepancies or dental spacing.
Minor rotations, torque of buccal/lingual discrepancies of the cuspids or bicuspid.

Contraindications for the use of the SpeedAligner® Appliance:

To correct tipped teeth.

Clinical Procedures:

1. Complete both maxillary and mandibular alginate impressions. Obtain a wax bite at normal bite relation.
2. Pour models with lab stone.
3. Send case to lab with a completed **Orthodontic Technologies** laboratory prescription form.

Delivery Suggestions:

The appliance is returned from the laboratory pre-activated and pre-adjusted. The QuikSprings™ should likely require no additional adjustments upon initial insertion of the appliance. The patient should be able to feel increased pressure against the teeth. The appliance should feel 'bouncy', this is expected and is not a problem. The patient will tend to feel slight discomfort in the early stages, as the teeth begin to move it will become less tight. The patient should be rescheduled at least every two weeks and spring adjustments made at each visit.

Patient Instructions:

The appliance should be worn 23 hours a day for maximum tooth movement. When taken out for cleaning simply brush with toothpaste and rinse with cool water. If the appliance becomes loose fitting the patient would benefit by additional adjustments at that time.

Length of treatment time and results expected:

When worn as instructed the treatment time is between 3 to 6 months.

Holding Phase:

At the end of the treatment, the final appliance may be worn as a nighttime retainer. The patient can wear the appliance every night for 6 months, then every other night for the next six months, then one to two nights per week.