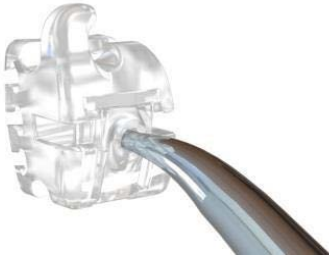
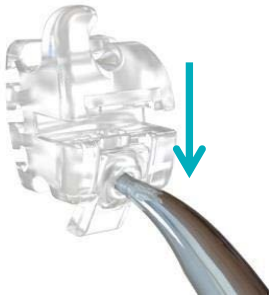


USER MANUAL

HOW TO OPERATE THE BRACKET:



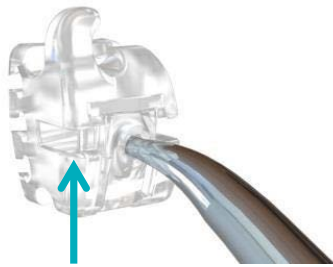
Position the tool in front of the bracket and make sure that the pin is fitting exactly into the associated hole.



Pull the tool smoothly from the gingival to the occlusal side.



Insert wire.



After inserting the wire use the tool again to close the door. It is important to feel the door going over the hump and hear the click.

• Do not use a standard probe or scaler - the tip is too flexible and will not fully close the door. This might cause failures.

RECOMMENDED WIRE SEQUENCES FOR ASCEND SL BRACKETS

Phase I	Aligning Stage	Deflection
<ul style="list-style-type: none"> Align and level Initial arch form development Initial derotation Activating cellular reaction Correcting malocclusion 	0.013" Round Thermal NiTi 0.014" Round Thermal NiTi Variations 0.013" Round Thermal NiTi for severe Malocclusion 0.013" Round Thermal+ NiTi with push coil and not all teeth ligated	More than 0.5 mm More than 0.02"
Phase II	Leveling Stage	
<ul style="list-style-type: none"> Complete aligning and leveling Complete rotations Gain Torque control Correcting angulations Leveling Curve of Spee 	0.014" Round Thermal NiTi 0.016" Round Thermal NiTi For torque control 0.014" x 0.025" Thermal NiTi For highest torque control 0.016" x 0.025" Thermal NiTi For additional vertical leveling 0.016" x 0.022" Super Elastic NiTi reversed curve	0.5mm ÷ 0.35mm 0.020" ÷ 0.014"
Phase III	Working Stage	
<ul style="list-style-type: none"> Closing of Spaces Retracting anterior teeth with torque control 	0.016" x 0.025" Thermal NiTi	less than 0.35mm less than 0.014"
Phase IV	Finishing Stage	
<ul style="list-style-type: none"> Correct midlines Root alignment - finish torque control Overbite / Overjet Functional occlusal 	0.016" x 0.025" Beta III Titanium 0.017" x 0.025" Thermal NiTi or SS 0.018" x 0.025" Thermal NiTi or SS	less than 0.15mm less than 0.006"
Phase V	Setting Stage	
<ul style="list-style-type: none"> Maximizing intercuspitation 	0.016" x 0.022" Thermal NiTi f Positioner	leveled

USEFUL HINTS

We applaud your decision to use Ascend SL® aesthetic dental brackets to correct your malalignment. You are now wearing the most high-tech, next generation orthodontic appliance available. To keep them aesthetic and beautiful throughout the treatment, please follow the guidelines listed.



CLEANING AFTER EATING:

While eating, food particles might get into the slot of the bracket, into the rails of the door and underneath the tie wings. Therefore it is necessary to rinse the teeth and the brackets with water after each meal.

To do so, just take a big sip of water and squeeze the water from the back in the mouth through the teeth to the front of the mouth. Then – with closed lips – move the water from left to right in the mouth. You may repeat this several times as needed.



CLEANING WITH A TOOTHBRUSH:

Clean your teeth as usual with a toothbrush and toothpaste. It is more efficient to use an ultrasonic electrical tooth brush like Philips Sonicare Easy Clean in combination with a plaque removing toothpaste. This will help remove plaque that accumulates on and around the teeth and also on the brackets. This will help maintain the aesthetic look of the Ascend SL® bracket, as well as your teeth.

To make sure you remove all plaque that collects on the tooth surface as well as food particles on the brackets, we suggest the following cleaning technique:

- Brush vertically (up/down) several times to clean the front, left and right side of the brackets and teeth
- Brush horizontally with the toothbrush at a 45° angle from the gingival as well as the occlusal to clean the area underneath the tie wings and the wire.



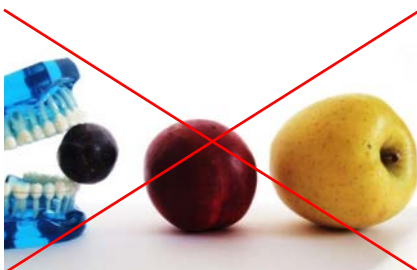
CLEANING WITH THE ORAL IRRIGATOR:

Additionally, we highly recommend the use of an oral irrigator. This irrigator shoots a water/air mixture through the bracket slot and through the door mechanism. In this way, all plaque and food debris are “blown” out. The use of mouth wash instead of water additionally helps protect against cavities and pain sensitive teeth.



CLEANING AT THE ORTHODONTIST:

During the monthly visits with your orthodontist he/she will change the wire and therefore open the doors. The doctor can clean with a chair side water-air nozzle thoroughly, therefore ensuring that plaque and remaining food debris you couldn't remove before can be removed. Twice a year, you should ask for a professional oral hygiene treatment to remove stains on the adhesive edges around the brackets. The doors should only be opened by the orthodontist. He/she has the correct instrument and knowledge to do so.



OTHER USEFUL HINTS:

- What to take care of when you're eating: all foods that require biting hard, like some fruits, nuts, and hard bread should be chopped up before eating, otherwise these foods might damage the brackets.
- Refrain from eating meat off the bone, chewing on pencils, fingernails, ect.
- Don't fiddle with toothpicks in and around the bracket.
- What to take care of when drinking: generally you may drink anything you want. Be sure to rinse with water after drinking strong staining beverages like coke, coffee, red wine, etc.
- Smoking and chewing tobacco can also stain aesthetic brackets, so it should be avoided in effort to keep them clean and maintain your health.