



INSIGNIA[™]
ADVANCED SMILE DESIGN[™]

Bonding Protocol Guide

STEP 1



STEP 1 - Prior to Patient's Arrival

- Open patient's file in the Approver software and press the T1 button and the bracket icon. Check the placement of the brackets and look for any contact(s) on the initial bonding/set-up.
- Zoom-in on the brackets (especially those on the molars) to check the pad/tooth interface.



STEP 2



STEP 2 - Review the Box Contents

- Read the supplied notes. They will tell you if any placement guides are to be bonded separately/at another appointment.
- Check upper and lower archwires. The painted marking will always be on the patient's right.
- You will receive two initial archwires. Ensure your nurse/assistant does not give you both lowers or uppers. If you are using your stock archwires for the first wires, then this will not be an issue.

STEP 3b



STEP 3c



STEP 3 - Review the Placement Guides

- We recommend bonding in the following order: First - left posterior quadrants, Second- right posterior quadrants, Third- Anteriors.
- Ensure your retractor provides good intra-oral access.
- Trial fit anterior placement guides. Check for any irregularities, wobble and the mesio-distal position. The software gives a good indication of the ideal bracket position. Ensure bracket base is not contaminated by saliva and dry with air after trial fit.
- Prep only the quadrant you will bond by applying etch and OrthoSolo (do not prep all teeth at the start). Follow manufacturer's instructions for etch and bonding agent.

STEP 4a



STEP 4b



STEP 4c



STEP 4d



STEP 5a



STEP 5c



STEP 4 - Applying Adhesive and Placement Guides

- Butter your preferred light body adhesive onto pad in a mesio-distal direction.
- Use cotton tweezer or positive positioner to hold and place placement guide onto the quadrant. Press placement guide into place by using occlusal pressure.
- Wipe around bracket using a microbrush coated with OrthoSolo.
- Cure around all accessible edges (longer than you would normally). Additional curing time should be added in the molar region. We recommend using a 2mm light guide for better curing accessibility.
- Remove the placement guide before proceeding to the next.

STEP 5 - Placement Guide Removal

- Use a Weingart instrument and grip the distal portion of the placement guide. Gently rotate lingually.
- Repeat on the mesial and the center portion of the placement guide. Return to the distal and repeat the process. Placement guide will naturally loosen for removal

Note - placement guide is held in place by friction and water soluble adhesive.

- After placement guide is removed, cure the occlusal side of the bracket that was initially covered by the placement guide.

STEP 6 - Additional Notes

- Damon brackets are supplied closed.
- Insignia SL (fully custom Q) opens occlusally on both the uppers and lowers.
- The brackets are held into the placement guides with water-soluble adhesive. If you find the placement guide is difficult to release from the bracket after light curing, you may apply water on the bracket/guide interface. This will loosen the adhesive and allow you to remove the placement guide more easily.