

Tech Specs

LS-7585 Orthodontic Adhesive Removal Set Procedure by Dr. S. Jay Bowman

The Orthodontic Adhesive Removal Set by Dr. S. Jay Bowman is designed to efficiently remove residual adhesive after orthodontic appliance removal and provides a smooth final enamel finish after bonded, banded or Invisalign® treatments.

			
ISO NO.	H375R	H246L	P0153
Ø 1/16 mm	016	012UF	031
LG mm	8.0	5.4	
Desc.	16 flutes	30 flutes	FG Polisher
MFG. NO.	H375R-016	H246L-012UF	P0153-031



Suggested Techniques

Removing Residual Adhesive

After orthodontic appliances have been removed, the NTI® Carbide (Red) H375R-016* at 35-40,000 rpm is used. This round-end taper is ideal for removing both orthodontic bonding adhesives and cements that remain on the teeth after de-bracket and/or de-banding. The tapered design is easy to manipulate around on the peripheral enamel surfaces and the round-end reduces potential gingival tissue impingement. Enamoplasty of mammelons or uneven incisal edges can be accomplished in this same step and this bur can also be utilized for removing Invisalign® composite attachments. Ideally, the constant torque and low vibration of an electric hand-piece is perfectly suited for use with this bur in this application.

The intent of this process is to remove any residual adhesives and cements but not to unintentionally disturb enamel anatomy or over-polish the surface. Alternatively, specific sites of uneven pitted or blemished enamel can be refined at this stage.



The appliances are removed.



An NTI® (H375R-016,) Trimming and Finishing Carbide is used to remove residual resin from the enamel.



Enamoplasty of mammelons or uneven incisal edges can be accomplished during this step.

Enamel Surface Finishing

After large, residual composite or cement "tags" are removed from the enamel surfaces, the resin/enamel interface must be polished. The NTI® Finishing Carbide (White) H246L-012UF is a long, flame-shaped 30-blade bur is perfect for removing the remnants of adhesives and cements while also finishing the enamel to a smooth surface with reduced vibration. The versatile, pointed shape can be positioned just under the marginal gingival while polishing away any adhesive primers, sealants, or varnishes (often used to help prevent enamel demineralization) that may yet remain on the enamel. If used without water-spray, the residual resin is often visible as the air exhaust from the high-speed contra-angle desiccates the surface of the tooth, making the polishing process easier.



The resin/enamel interface is finished with the NTI® finishing carbide also creating a smooth surface.



The pointed shape permits this bur to be positioned at the marginal gingival while polishing away adhesive primers, sealants or varnishes.

Enamel Polishing

An NTI® Polisher, green friction-grip FG silicone polisher P0153-031 is used to refine the final enamel surface. This flame or conical shaped polisher can also be used in the same low or high-speed dental handpiece as the previous burs. Caution is necessary when using these polishers at high-speed as the silicone may degrade quickly and can become detached from the mandrel. A feathering, light touch at slow speed is required to reduce the build-up of heat and to avoid premature degradation. In addition, it is important that both the patient and practitioner routinely wear eye-protection during these procedures. Again, an electric handpiece at 30-40,000 rpm works well as the polisher is not "bogged down" due to the constant torque characteristically applied by these contra-angles. After a suitable shine is achieved, any additional final finishing can be performed using polishing pastes or slurry of fine pumice as each situation dictates.



Use an NTI® Silicone point polisher to refine the surface at 30,000-40,000 rpm for smooth, consistent and comfortable polishing during orthodontic applications.



After suitable enamel surface is achieved, any additional finishing can be performed using polishing paste or fine pumice slurry as each situation dictates.