

### **48-33 Denture Adjustment Polishing Kit (Project 96-03S) (5/96)**

The Denture Adjustment Polishing Kit is used for the chairside adjusting, smoothing, and polishing of acrylic resin dentures. The kit consists of: a fine, cross-cut, pear-shaped, tungsten carbide bur; an extra-fine, cross-cut, flame-shaped, tungsten carbide bur; and two each of coarse, medium, and fine rubber points that contain silicon abrasive in a hardened phenolic resin. The autoclavable carbide burs are welded to stainless steel shanks and all items have straight handpiece shanks. Recommended operating speeds are included in the instructions. The storage container has a white plastic base and a clear plastic top; its exterior dimensions are 64 mm high, 99 mm wide, and 64 mm deep.

**Manufacturer:**

Brasseler USA  
800 King George Blvd.  
Savannah, GA 31419  
(800) 841-4522  
(912) 925-8525  
(912) 927-8671 FAX

**Suggested Retail Price: (As of 2-20-98)**

\$92.55 Standard Package (product no. 000-10611)  
\$3.95 (2) Coarse replacement point (product no. 0674) 10 mm diameter X 24 mm long  
\$3.95 (2) Medium replacement point (product no. 0664) 10 mm diameter X 24 mm long  
\$3.95 (2) Fine replacement point (product no. 0654) 10 mm diameter X 24 mm long  
\$20.95 Replacement carbide (product no. 251EF-060) 6 mm diameter X 14 mm long  
\$19.95 Replacement carbide (product no. 77E-040) 10 mm X 9 mm long  
New item (not available at time of evaluation)  
\$27.95 Autoclavable aluminum bur block (product no. A702) 23 HP block measures 101 mm long X 25 mm deep X 64 mm high

**Government Price:**

\$47.45 Standard Package (product no. 000-10611)  
\$2.95 (2) Coarse replacement point (product no. 0674) 10 mm diameter X 24 mm long  
\$2.95 (2) Medium replacement point (product no. 0664) 10 mm diameter X 24 mm long  
\$2.95 (2) Fine replacement point (product no. 0654) 10 mm diameter X 24 mm long  
\$15.32 Replacement carbide (product no. 251EF-060) 6 mm diameter X 14 mm long  
\$14.41 Replacement carbide (product no. 77E-040) 10 mm diameter X 9 mm long

**ADVANTAGES:**

- + Carbide burs provide a smooth finish when grinding acrylic resin.
- + A surface polished with the rubber points is indistinguishable from a surface polished with rag wheels using coarse pumice and polishing compounds.
- + Because pumicing and polishing are unnecessary, the dental officer can remain chairside throughout the appointment.
- + Enhances infection control because appliances are polished in the operatory and do not need to be taken to the laboratory.
- + Burs and rubber points can be heat sterilized.

**DISADVANTAGES:**

- Some areas of appliances are inaccessible due to the large diameters of the rubber points.
- The plastic container cannot be heat sterilized.

**SUMMARY AND CONCLUSIONS:**

The Denture Adjustment Polishing Kit was well received by evaluating clinicians. The kit performed well on acrylic resin appliances and evaluators felt the final polish provided by the rubber points was equivalent to one produced using pumice and polishing compound. Smaller diameter points (5.5 mm) are available separately. These should eliminate the disadvantage the evaluators notice (that the standard rubber points are too large). A major advantage of this product is that it enables the clinician to perform the adjusting process in the treatment room. This enhances infection control because the denture does not need to be taken to the laboratory. This also saves time because the denture does not have to be disinfected. Recommended operating speeds must be followed to achieve a high luster and reduce the wear of the rubber points. The polishing kit can be ordered in an autoclavable anodized aluminum bur block. The **Denture Adjustment Polishing Kit** is rated **Acceptable** for use by the federal dental services.