



### **Instructions for Use (IFU)**

#### **Benco Dental™ Sharpening Stone – Silicone Carbide**

***Item No. 4692-451***

### **Sharpening Procedure**

#### **1. Lubricate the stone**

- Use water or a few drops of sharpening oil to float debris.

#### **2. Secure the instrument**

- Hold instrument in a sharpening vise or a modified pen grasp with the blade facing you.

#### **3. Set the angle**

- Maintain the factory bevel ( $\approx 110\text{--}120^\circ$  for curettes/scalers).

#### **4. Stroke**

- With light pressure, move the blade from heel-to-toe along the stone in a sweeping arc 3–4 times.

#### **5. Re-establish the tip**

- For scalers, finish with a downward stroke on the toe to round the point.

#### **6. Test the edge**

- Use a plastic test stick; a sharp edge should “bite” into the stick with minimal pressure.

#### **7. Repeat** as needed; avoid excess pressure that can flatten the bevel.

## Cleaning, Disinfection & Sterilization

Step	Action	Parameters
Clean	Scrub under warm running water with soft brush & detergent until debris free	—
Rinse/Dry	Rinse >30 s, blot dry	—
Autoclave	Steam sterilize in peel pouch	134 °C (273 °F) – 4 min (prevac) or 121 °C (250 °F) – 30 min (gravity)
Cool	Allow to dry & cool before storage	—

**Do not** use dry-heat sterilizers above 180 °C; excessive heat may fracture the stone.

## Maintenance & Storage

- Inspect after each cycle; lap lightly with 400-grit sandpaper to remove glaze if stone loads.
- Store in a clean, dry, covered container at 10–40 °C (50–104 °F).

## Expected Service Life

≥ 3 years or 500 sterilization cycles, whichever occurs first, when used and maintained as directed.