

# Schottlander All Ceramic Adjustment Burs

## Information Card

Schottlander All Ceramic Adjustment Burs are designed for use on porcelain, alumina, zirconia and natural enamel. Do not use the burs on any other material. Schottlander All Ceramic Adjustment Burs should be used up to 60,000rpm with sufficient water coolant. Apply a light touch (up to 150gram) while working with the bur. Do not keep the bur on one spot, keep the bur moving to avoid generation of excessive heat.

### The Problem:

Existing burs are inefficient working with ceramic restorations in general and specifically with zirconia because:

- Slow - adjustment of modern ceramics can be slow due to the hardness of the ceramic.
- Heat generation - the low efficiency work of the bur causes a lot of friction and by that generating heat.
- Microfracture - the high temperature in addition to the irregular diamond shape can cause microfractures. The microfractures will not be visible to the naked eye but they will be the initiator of a fracture in the ceramic.

### The Concept:

The new line of burs specially designed to process all ceramic restorations.

- Special shape of diamonds - all the diamonds have shapes that every diamond is similar to the other.
- Special patented mix of grits - to achieve a more homogeneous surface.
- Unique plating method - allows better bonding of the diamonds to the metal.

### Schottlander All Ceramic Adjustment Burs:

Designed to not generate heat - the homogeneous surface is more efficient and thereby keeping it cool.

- Reduce the risk of microfracture - as a result of low heat generation.
- Leave a smooth surface.
- Cuts most zirconia copings in less than a minute.



Where this product is shown as having been certified as a medical device in the European Union under the Medical Device Directive 93/42/EEC by SGS CE1639, this is exclusively for the indication(s) shown in the above Instructions for Use. Other non-medical uses ascribed to this device are not within the scope of CE certification, and users should be aware that product performance and/or safety has not been evaluated by SGS for those purposes.









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Pattern Number	Quick Order Code		Intended Applications
801 022	087-1		All regions. A universal bur for adjusting occlusal surfaces and marginal ridges.
368 023	087-2		Anterior and posterior. Cingulum and palatal/lingual adjustments. Reshaping buccal contours.
856 018	087-3		All regions. Adjustment of large areas with low curvature such as labial surfaces or axial walls. Bur for zirconia ceramic crown removal.
889 012	087-4		Fine bur for precision adjustment of occlusal surfaces fissures and contours.
Polisher Medium	087-11		Flame shaped bur for initial polishing at the adjusted ceramic surface. Use at 7,000 - 12,000 rpm.
Polisher Fine	087-10		Flame shaped bur for final polishing at the adjusted ceramic surface. Use at 7,000 - 12,000 rpm.



#### Instructions for Cleaning & Sterilising

Disinfect and sterilise the burs before every use.

#### Cleaning:

- Clean the burs by dipping them in disinfection solution (designed to use with dental burs) that contains a corrosion inhibitor for a minimum of 10 minutes.
- Rinse several times to remove all the disinfectant solution.

#### Cleaning with Ultrasound:

- Burs may be ultrasonically cleaned by inserting them in bur holders.
- A cycle of 5 minutes is recommended, using a general purpose cleaner.
- Rinse several times.

#### Autoclave:

- Autoclave the burs for a minimum of 10 minutes at a temperature of 135°C.
- Following sterilising or cleaning methods, dry the burs and store in a clean and moisture free environment.

#### Notes:

- Use sterilising and cleaning devices and materials according to manufacturers recommended procedure.
- It is the responsibility of the user to ensure that sterilisation is effective.

This product is specifically designed for use in dentistry.