

## Instructions for Use Diamond+ Burs

**IMPORTANT**

Read this 'Instructions for Use' document before handling. This product is for professional use only.

**IDENTIFICATION**

Product Name	Diamond+ Burs Pk of 5 or 25
Company Name	Perfection Plus Ltd
Company Address	6 Westwood Court, Totton, Hampshire, SO40 3WX, UK
Company Phone No.	+44 (0) 2380 866 677

**PRODUCT CODE**

REF PP001/0501-001/0753 Diamond+ Burs pk 5  
REF PP001/2520-001/2773F Diamond+ Burs pk 25

**FEATURES**

Perfection Plus Diamond+ Burs are manufactured from stainless steel and are supplied in a non-sterile state.

**INDICATIONS FOR USE**

They are intended for use by professionals only, in laboratory or dental applications. They can be used for a wide range of restorative procedures including removal of caries or old restorations, preparation of cavities for restoration, finishing of restorations, and preparation of crowns, orthodontic device procedures and any other dental operations.

**INSTRUCTIONS FOR USE**

Before first and every subsequent use, inspect, clean and sterilise the bur.

**Sterilisation**

- Autoclave with pre-vacuum cycle – The burs should be packed in appropriate instrument trays or Protect+ Self Seal Sterilisation Pouches (PP002/5000) which are validated for steam sterilisation. Autoclave without pre-vacuum cycle - the burs should not be packed or wrapped but should be contained in appropriate bur stand with perforated lids. (Refer to Local Legislation which may require use of sterilisation pouches in either type of machine).
- Follow the autoclave machine manufacturer's instructions to sterilise the burs, ensuring maximum recommended load is not exceeded. The burs have been validated in a machine without a pre-vacuum cycle to 134°C at 6 minutes.
- Inspect the burs using magnification if necessary and discard any corroded or damaged instruments.

**Safety in Use**

- Ensure the bur is fully seated and gripped in the hand piece collet.
- Ensure the hand piece is in good working order and correctly lubricated.
- Do not apply excessive pressure to the bur. To avoid leverage and breakage avoid using at too high an angle.
- Move the bur continuously when in use to avoid localised heating and or damage to the bur.
- Recommended revolutions per minute for correct use:

Instrument Head Diameter 1/10 mm	Maximum Permissible Speed (RPM)	Recommended Operational Speed (RPM)
007-010	450,000	100,000-220,000
011-014	450,000	70,000-220,000
015-018	450,000	55,000-160,000
019-023	300,000	40,000-120,000
024-027	160,000	35,000-110,000
028-031	140,000	30,000-95,000
032-040	120,000	25,000-75,000
041-054	95,000	15,000-60,000
055-070	60,000	12,000-40,000
080-100	45,000	10,000-20,000

**To reprocess:**

- Rinse burs under running cold water, while immersed, brush away from the body with a neutral cleaning/disinfectant agent labelled for use on dental burs or similar reusable medical instruments. Follow manufacturer's instructions.
- Care should be taken to avoid spreading contaminants by spraying or splashing during the brushing process.
- Wire brushes must be used with caution, as brass particles may result in galvanic corrosion and steel particles may cause discolouration of stainless steel.
- After cleaning, inspect the burs, using magnification if necessary, to ensure all contamination has been removed. Repeat cleaning process if necessary. Rusted burs should be discarded as bio-hazardous waste.
- Dry the burs with paper towelling or dry heat not exceeding 140°C.
- Ultrasonic cleaning may also be used to prior to sterilisation, only cleaning agents recommended for ultrasonic cleansing should be used and the process must be validated.
- Alternatively, an automated washer disinfectant may be used but the user should validate the process with the selected cleansing and disinfection agents. Any agents used should be compatible with the materials used in dental burs;

otherwise accelerated corrosion or damage may occur. The washer disinfectant and the cleaning agent instructions must be followed.

**WARNING!****NOTE!**

Delay between use and reprocessing must be kept to a minimum to avoid contaminants drying. Therefore keep unclean burs in a cleaning/disinfecting solution for a maximum of 12 hrs in accordance with manufacturer's instructions. Do not soak in a solution that has a fixative action such as aldehyde-based products, unless the burs have been thoroughly cleaned first.

**Hazard and precautionary statements:**

Used burs should be considered as bio-hazard and should be discarded as bio-hazard waste unless reprocessing as above. Appropriate handling precautions should be taken during reprocessing. Gloves, eye protection and a mask should be worn. Other measures may be required if there are specific infection or cross-contamination risks from the patient.

**STORAGE**

The burs should be stored in the sterilisation container (bur stand or Protect+ Self Seal Sterilisation Pouch PP002/5000) until required. Containers or pouches must be dried before opening to avoid recontamination of the contents. Storage should be in dry, clean conditions and at ambient temperature.

**Batch code/Expiry Date**

See pack for Lot number. Burs shelf life is determined by wear and damage and as such should be checked prior to each use.

SPECIALLY FORMULATED FOR USE IN DENTISTRY



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