

Instructions for Use TC Burs

**IMPORTANT**

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

IDENTIFICATION

Product Name	TC Burs Pk 1
Company Name	Perfection Plus Ltd
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PRODUCT CODE

[REF]PP001/9401-PP001/9480 TC Bur

FEATURES

Perfection Plus TC Burs are manufactured from either from a single piece of tungsten carbide (TC) or from TC tip brazed onto a surgical steel stem. They are supplied in a non-sterile state.

**INDICATIONS FOR USE**

They are intended for use by professionals only, in dental applications. They can be used to cut, grind or polish a wide variety of materials including enamel, dentine and bone, dental materials such as amalgam, composite, glass ionomer cements, polymer and ceramic veneers and precious and non-precious alloys. Each bur is task specific and so the bur pattern will be selected to cut a specific material and for a specific task.

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:

Application	TC BUR Type	Material	Speed
Cavity preparation	Standard	Enamel/ Dentine	450,000
Removal of fillings	Standard	Amalgam/ Composite	60,000-120,000
Excavation	Standard	Enamel/ Dentine/ Bone	<2,000
Finishing margins	Finishing	Enamel	10,000-20,000
Finishing restorations	Finishing	Amalgam	18,000-30,000
Finishing restorations	Finishing	Composite	10,000-20,000
Finishing restorations	Finishing	Glass Ionomer	10,000-20,000
Cutting bone	Standard	Bone	500-3,000
Crown & Bridge finishing	Finishing	C&B polymer	40,000-80,000
C&B metal trimming	Standard	Metals	<30,000
Prosthetic polymer trimmer	Standard	Polymer	<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
- 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.

6. 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.

7. Alternatively an automated washer disinfector 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 disinfector 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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