



# INSTRUCTIONS FOR USE AND CARE

## CARBIDE BURS

**Manufacturer:**  
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Morrisburg, Ontario  
Canada K0C 1X0

**Distributor:**  
NDC, Inc.  
402 BNA Drive, Suite 500  
Nashville, TN 37217  
800-929-4232



Rx only



### SYMBOLS DESCRIPTION

	Manufacturer
	Authorized Representative in the European Community
	Consult Instructions For Use
	Medical Device
	Warning or Precautions
	Pre-Vacuum or Gravity Displacement Sterilizable in a Steam Sterilizer (Autoclave) at 132°C (270°F)
Rx only	Caution: U.S. Federal law restricts the sale of this product only to qualified dental professionals.
	Product conforms to European Union Medical Device Directive 93/42/EEC

	Manufacturing Lot Number
	Part Number
	Maximum RPM (Revolutions Per Minute)
	Package contains other recyclable material
	Package contains other recyclable material
	Package contains other recyclable material





# INSTRUCTIONS FOR USE AND CARE

## CARBIDE BURS

These instructions provide users with guidance for the use and care of dental burs.

### General Information:

Diamond and carbide burs are rotary instruments used in conjunction with dental handpieces. They are medical devices intended for use by trained dental professionals.

### Product Composition:

Carbide dental burs: Bur head is made from cemented tungsten carbide; shank is made up of either steel, stainless steel or tungsten carbide. Shank body may be nickel and/or gold plated. **Diamond dental burs:** Bur head contains diamond particles embedded in nickel; shank body made of stainless steel.

### Indications for Use:

Diamond and carbide burs are used to cut, trim and finish natural and engineered dental materials during various dental procedures.

### Contraindications:

None Known.



### Warnings And Contraindications:

- This product contains nickel and should not be used on individuals with known allergic sensitivity to this metal.
- Never use a bur beyond the manufacturer's recommended RPM.
- Always use water irrigation while using the device. Inadequate use of water and air irrigation may generate undesirable heat and cause patient discomfort, tissue necrosis, or patient burns.

### Precautions:

- Burs are sold non-sterile and must be sterilized prior to use.
- Use of a dental dam is highly recommended to avoid contamination of the prepared site with bacteria present in the oral cavity and to guard against the potential ingestion of dental materials or other debris.
- Ensure the air pressure to the handpiece does not exceed the manufacturer's recommended setting. Maintain the handpiece in good working order and ensure it is correctly lubricated, as specified by the manufacturer.
- Do not extend the bur from the handpiece chuck. A loose or extended bur could eject from the chuck or break and cause injury.
- Avoid using the bur with a heavy transverse-cutting pressure, a wedging, or levering action, as this may increase the risk of breakage.
- Always wear eye protection and other appropriate personal protective equipment (PPE) when using dental burs.
- Discard burs that show noticeable deterioration in performance.
- Do not use cold disinfectant solutions, as they contain oxidizing agents that will degrade the performance and strength of carbide burs.

### Adverse Events:

If a serious incident occurs with this medical device, report it to the manufacturer and to the competent authority for the country in which the user/patient is established.



## Step-By-Step Instructions:

- Insert the bur fully and securely tighten or latch the device into the handpiece chuck.
- Run the handpiece to ensure the bur is rotating prior to contact with the dental surface and while lifting away from the cutting location.
- Use light pressure and a brushing motion to achieve the best results.
- Use plenty of air and water irrigation while using this device.

## Cleaning:

- The use of automated cleaning devices is not recommended for the cleaning of burs.
- Clean burs ultrasonically with the devices inserted in bur blocks or holders to prevent damage from rubbing or vibrating against each other or hard surfaces. An ultrasonic cycle of 5 minutes using a neutral-pH enzymatic ultrasonic detergent is recommended.
- If debris is still present after the ultrasonic cycle, clean the burs with a soft tooth brush and rinse under running tap water until all debris is removed.
- Immediately dry the burs thoroughly with an absorbent towel or paper tissue. Inspect and discard any devices that show signs of damage or corrosion.

## Sterilization:

- All burs should be sterilized before use.
- After cleaning, dip the devices in an anticorrosion lubricant, such as surgical milk, prior to the sterilization cycle. Place the devices on a sterilization tray. Put the tray in an FDA-cleared or ISO 11607 compliant sterilization pouch and seal.
- Sterilize the devices in the sealed pouch using a pressurized steam sterilizer. For the pre-vacuum steam sterilization method, operate at full cycle with a dwell at 132°C minimum for 4 minutes. For the gravity displacement sterilization method, operate steam sterilizer at full cycle with a dwell at 132°C minimum for 15 minutes. Use distilled water in the steam sterilization process.
- Ensure that the devices go through the full drying cycle before they are removed from the sterilizer. The minimum drying time is 20 minutes for pre-vacuum and 15 minutes for gravity steam sterilization.
- Store sterilized burs, in the sterilization pouch, in a dry environment prior to subsequent use. Before re-using the devices, check for signs of rust or corrosion. Do not use any burs that are corroded or damaged.
- Use all sterilization devices according to the manufacturer's recommended procedures. It is the user's responsibility to ensure effective sterilization is achieved.

## Reuse:

As a guideline, carbide burs can be used up to 4 times; diamond burs up to 6 times. The practical lifetime of any bur is a function of the wear sustained during the procedure. Reuse of the device is solely at the discretion of the user.

## Storage And Disposal:

Store sterilized burs, in the sterilization pouch, in a dry environment prior to subsequent use. Before re-using the devices, check for signs of rust or corrosion. Do not use any burs that are corroded or damaged. For proper disposal always follow your local and national regulations.

## Disclaimer:

The instructions provided above have been validated as being CAPABLE of preparing a medical device, including reusable ones. It remains the responsibility of the dental professional / user to ensure that the reprocessing actually performed by equipment, materials and personnel is done per the instructions provided above in order to achieve the desired result. Any deviation by the dental professional / user from the instructions provided above will be done at your own risk; Manufacturer will not be able to address any requests for refund or exchanges under the guarantee of any products that have not been handled or reprocessed in accordance with the above instructions.

