

Instruction for Use – Sicher Burs

Instructions for Use and General Information Sicher Burs

Sicher Burs are available in Non-Sterile models with numerous head diameters and working lengths.

Description

A dental bur is a rotary abrading device made of stainless steel which is coated with Diamond particles on the working end, and which is designed to fit into a dental handpiece.

Intended Use Dental burs fit into a dental handpiece, which provides the rotation, allowing the user to abrade hard structures in the mouth, e.g., teeth. Dental Burs can also be used to abrade hard metals, plastics, porcelains and similar materials.

WARNINGS

- The device is to be used on the instruction of, or by a dentist or other licensed practitioner.
- Attention should be paid to the speed of work (RPM)
 - Always refer to the product packaging for the Maximum RPM. Use of the bur beyond the RPM range may cause the bur to break and result in patient or user harm.
 - Operating a bur with too high of an RPM may generate undesirable heat and cause patient discomfort, tooth or tissue necrosis, or patient burns.
- Proper irrigation is required while using the device. Inadequate use of irrigation may generate undesirable heat and cause patient discomfort, tooth or tissue necrosis, or patient burns.
- Do not apply excessive pressure on the bur as this could cause undesirable heat or may cause the bur to fail and cause patient or user injury.
- Dental Burs must be thoroughly cleaned and steam sterilized prior to the first use.
- Do not use chemical or dry heat to sterilize Dental Burs, as these processes have not been validated for use. Use of these processes may be corrosive to the device and could result in premature device failure.
- Use a rubber dental dam while using Dental Burs to avoid possible aspiration or swallowing of the device.
- Always wear gloves when handling contaminated instruments to avoid possible infection/cross-contamination.

- Carefully read package labels to ensure use of the appropriate device. Failure to do so may cause patient or user injury.
- Failure to follow these instructions may cause the following: preparation site damage, injury to the patient or user, or possible aspiration or swallowing of the Diamond Bur.
- The devices are not intended to be re-usable on multiple patients

CONTRAINDICATIONS

- Dental Burs contain nickel and should not be used for individuals with known allergic sensitivity to this metal as it may cause hypersensitivity.

PRECAUTIONS

- Always inspect the burs before use. Use of worn-out or dull burs could cause undesirable heat or may cause the device to fail.
- Move the bur continuously when in use to avoid localized heating and/or damage to the bur. Undesirable heat generation can cause patient discomfort, tooth or tissue necrosis, or patient burns.
- Avoid removing the bur at too sharp an angle to avoid leverage and breakage and cause patient or user injury.
- Maintain handpieces in good working condition to ensure maximum effectiveness of the device. Failure to properly maintain handpieces may lead to injury of the patient or user, aspiration or swallowing of the device or damage to the preparation site due to vibration of a worn chuck or turbine.
- Ensure the bur is fully seated and securely gripped in the handpiece chuck prior to use.

Failure to do so may cause the device to “walk out” of the handpiece and may lead to injury of the patient or user or aspiration or swallowing of the device.

- Never force a bur into a handpiece as this could cause damage to the handpiece collet.
- Eye protection must be worn to protect against eject particles.
- Surgical masks must be worn to avoid inhalation of any aerosol or dust generated.
- Dental Bur Blocks used to hold the devices for storage and steam sterilization are not intended to maintain sterility of the device.

GENERAL INSTRUCTIONS

1. Clean and sterilize all non-sterile burs with an open or damaged package in accordance with the validated procedures provided below prior to first use.
2. Do not force bur into the handpiece. In case of difficult access, check both handpiece turbine and bur and refer to handpiece instructions for troubleshooting.

CLEANING AND STERILIZATION INSTRUCTIONS

SCOPE

These instructions are applicable to all Dental Burs. They are applicable before initial use.

Dental Burs are provided mechanically clean but are not sterile. Therefore, Dental Burs should be sterilized before first use.

WARNINGS

1. Cleaning agents with chlorine or chloride as the active ingredient are corrosive to stainless steel and must not be used. Cleaning agents with neutral pH are recommended.
2. Do not use Cold Sterilizing Methods for the sterilization of Dental Burs. These agents often contain strong oxidizing chemicals that may attack the substrate that bonds the Diamond particles to the steel blanks.
3. The devices are not intended to be re-usable on multiple patients.

CONTAINMENT/ TRANSPORTATION

Dental Burs can be transported wet or dry and should be protected from damage. If transported wet there is an increased chance of staining or corrosion. Prolonged storage in disinfectant solutions may result in degradation of the product and must be avoided

INSPECTION TESTING

1. Visually inspect the device for damage that would prevent proper operation.
 - A) Do not use if the tip is broken.
 - B) Do not use if there are missing or worn Diamond particles.
 - C) Do not use if there is evidence of corrosion.

STERILIZATION

Use the following cycle for steam sterilization

Cycle type	Minimum Sterilization Exposure Time	Minimum Sterilization Exposure Temperature	Minimum Dry Time (Minutes)
Gravity	10	135° C (275 ° F)	30
Pre- Vacuum (4 Pulses)	3	134° C (273° F)	30

Ensure that the sterilizer manufacturer's maximum load is not exceeded. The minimum dry time has been validated to ensure that the devices will not be left wet. Failure to achieve the minimum dry time may cause moisture to remain on the files that could result in corrosion.

STORAGE

The Diamond Bur should be stored in the sterilization pouch (or instrument block) until required.

ADDITIONAL INFORMATION These processes have been validated as being capable of preparing Dental Burs for use. Any deviation from these instructions should be properly validated for effectiveness and potential adverse results.

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