

INSTRUCTION FOR USE

Saga Burs

GENERAL INFO

DEVICE NAME

This IFU is applies to all burs in the following product families:

- Carbide burs
- Diamond Coated Carbide burs

Insert into the Turbine handpiece with friction grip (FG) and in the latch version(LA) with the clip check they are properly lock in the handpiece.

INTENDED USE

The arch wires are intended for orthodontic treatment, to remove the composite material after debonding.

STORAGE

No special instruction

MATERIAL DATA

Please refer separate Material Data Sheet

DISPOSAL

The device is made of metal. Saga Dental Supply AS suggest the product to be disposed of according to the country or state regulation.

FEEDBACK

Contact Saga Dental Supply AS in cases of warranty issues, customer feedback or adverse incidents.

Warranty issues may also be reported through our website.

CONTACT INFO

Our contact info is found in the letterhead of the IFU, our invoice, our products and website.

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Document ID	IFU Version	Author	Owner	Page
Bur IFU	V1.2_2020	Nils Kumar	Swadesh Kumar	1 av 4

INSTRUCTION FOR USE

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General instructions for use:

- For the safety of user and patient, it is highly recommended that only qualified dentists should work with dental diamond burs.
- Attention should be paid to speed of work (RPM). In particular when working with a large head diameter and coarse or super coarse grit size. Using a bur with too high RPM level, could generate undesirable heat.
- Do not force a bur into the turbine. In case of difficult access, check both turbine and bur. found incompatible. However, special attention should be paid to instructions of use and maintenance of the turbine.
- Dental Carbide burs & diamond burs are designed for several uses and are autoclavable.
- Sterilize the burs before use.
- Please note the FG mark on the package indicating the use in high speed

Disinfect and sterilize 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.
- If needed - use brush to clean thoroughly.
- Rinse several times to remove all the disinfection 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.
- Sterilizing carbide/diamond burs – autoclave:
- Place the burs in sterilization bags.
- Autoclave the burs for a minimum of 10 minutes at a temperature of 135°C.
- Following sterilizing or cleaning methods, dry the burs and store in a clean and moisture free environment.

Note:

Use sterilizing and cleaning devices and materials according to the manufacturers recommended procedure above. It is the responsibility of the user to ensure that sterilization is effective.

Document ID	IFU Version	Author	Owner	Page
Bur IFU	V1.2_2020	Nils Kumar	Swadesh Kumar	2 av 4

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IFU : Instructions for LA type bur

1. Insert the bur in the handpiece
2. Lock the bur with the clip
3. See that it is lock properly by pulling bur upward

For FG type bur

4. Press the cap at the back of the handpiece with thumb
5. Insert the bur in the handpiece
6. Release the pressure on the cap
7. Try to pull out the bur to check it is locked properly

Physical & Chemical Properties: Dental burs the have three parts:

1. Head with carbide blades or with diamond coating
2. Neck
3. Shaft plain or with latch

Head is made of tungsten carbide material (WC) is sintered on the stainless-steel shaft, creating the neck.

Head can be of different of shapes; cutting edges on the head are called blades or flutes. Distance between the blades is classified as pitch. The angle of the blade to the 90 degree vertical to the surface is called as flake angle .This angle can be positive if the face of the flute is in front or negative if it is behind the 90 degree line .In positive flake angle the blade has a sharp edge but easy to break. In case of negative angle, the edge is more blunt, generate heat require more pressure to work. Most of the dental Burs have positive flake angle.

Carbide head can be impregnated with diamond & ceramic chips creating diamond Burs.

Debonding Procedure:

1. Remove the arch wire we recommend removing one bracket at a time
2. Use de bonding plier with a sharp carbide insert which is replaceable
3. Place the plastic tab on the Incisal or occlusal surface with a cotton roll in between
4. Insert the carbide tip between the enamel surface and the bonding pad.
5. Apply light pressure between the enamel and pad as a wedge and try to remove the bonding pad with most of the adhesive
6. Use the de bonding bur to remove the adhesive
7. Do not remove adhesive all the way till the enamel surface
8. When you get close to enamel surface use the finishing carbide bur to remove the rest of the adhesive
9. Long gap between the flutes of the debonding bur, it is you can damage the enamel surface
10. This is the reason we recommend finishing bur with many flutes to remove adhesive. When you get close to enamel surface turn off the water spray only air so that one can see where is the rest of the adhesive on the enamel surface
11. Or use disclosing solutions to disclose adhesive on the enamel surface
12. Polish the enamel with a rubber cup
13. The above procedure will give a smooth and mirror like enamel surface

Document ID	IFU Version	Author	Owner	Page
Bur IFU	V1.2_2020	Nils Kumar	Swadesh Kumar	3 av 4

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Debonding procedure requires time and concentration. I will recommend a small air driven unit where you use turbine. These units operate with air, in that way you can run the turbine at a low speed or high speed depending upon how much air is being injected to the handpiece. You can run this unit without water spray to see the enamel surface when you get close.

Inter Proximal Reduction

1. Vertical Reduction
2. Horizontal Reduction

Thin carbide burs diamond coated, or all other pointed carbide burs are meant to be used for horizontal reduction first. Insert the bur in the interproximal area below the contact point and move horizontally upwards to break the contact point. Once the contact point is broken one can proceed vertically for further reduction as required.

If the pointed tip is used vertically to break the contact point, it will break, it is too thin for this purpose, use horizontally to break the contact point.

Carbide burs gives very smooth polish surface after diamond coated burs.

These burs are for single time use only. One might use 1- 3 burs on the same patient depending upon how many teeth are being reduced. Use very light pressure, do not apply force, let hand piece do the job otherwise the thin tip will break.

Precaution:

On all handpieces with chuck for FG (Friction Grip) burs must be checked regularly, with time the chuck inner diameter will increase and it will not grip the bur 100%. Rotating at very high speed the bur will shoot out of the chuck under use.