



GA-SG-100-E  
Version 1.1  
Stand 17.04.2008

## Instructions of use for Oscillating Plastersaw SG-100



### Content

Validity	1
Certificate of compliance	1
Purpose of use	2
Inspection	2
First use	2
Starting the machine	2
Adjustment of oscillating speed	2
Changing saw blade	2
Saw blades	2
Safety Instructions	2
Scope	2
Opening of bandages	2
Special instructions	3
Additional Tips	3
Troubleshooting	3
Care	3
Maintenance	3
Guaranty	3
Technical data	4
Delivered parts	4
Spare parts/Accessoires	4

#### Validity

These instructions are valid for all SG-100 Plaster Saws and accessoires, sold by SCHREIBER Instruments.

#### Certificate of compliance

##### Manufacturer's name and address:

SCHREIBER GmbH  
Chirurgische Instrumente  
Unterer Damm 15  
D-78567 Fridingen

##### Product name:

SG-100, oscillating plaster saw and accessoires (saw blades) in accordance to the valid catalogue and price-list.

The Schreiber GmbH confirms herewith in sole responsibility, that the above mentioned products comply with the requirements according to annex I of the council directive 93/42/EEC and EN 60601-1-2. These products are permitted to carry the CE -mark  
We have established a certified quality management system according to DIN/EN/ISO 13485:2003



Signature

Armin Zepf  
Quality Manager

With purchasing this SCHREIBER device you have decided to use a high quality product. Proper function and safety are only guaranteed for a long time, if the following points are strictly observed.

### Purpose of use

Cutting of plaster and synthetic bandages. The safety rules of MDD (medical device directive) and the national laws for safe devices (Arbeitsmittel-Gerätesicherheitsgesetz) are valid.

### Inspection

SCHREIBER oscillating plaster saws must be inspected for completeness, damages or faults immediately after transportation. Claims for compensation are only possible, if shipper or dealer are informed immediately.

### First use

SCHREIBER oscillating plaster saws must not be used, before these instructions are worked through.

- For use and maintenance the valid (national) laws for safety and maintenance must be observed.
- make sure, that the voltage on the machine is similar to your socket.
- Check cables and extensions regularly.
- do not screw or rivet external labels on the body of the machine. This may cause electrical danger.

### Starting the machine

- Make sure, that the plug is connected to the socket properly.
- Plaster saw is equipped with an electronic speed control button. The optimal speed must be adjusted, depending on the sawblade and use. Speed can be adjusted by turning the button.
- Turn switch forwards to "ON"-position for turning on and backwards for turning off.

### Adjustment of oscillating speed

Adjust speed, when the motor is running. The best oscillating frequency is depending on the material and condition of the bandage. At the control button the frequency of oscillations required can be infinitely variably selected from 6500 up to 24000. Once the selected, the oscillations will remain constant, if the motor is in neutral or during the

cutting of the plaster.



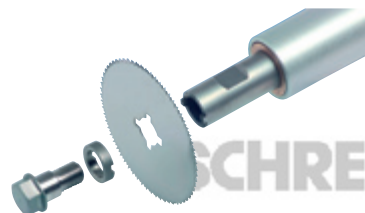
### Changing saw blade

-unplug cable to prevent unintentional turning on. Use protection gloves to prevent injuries caused by the saw blade.

1. Lay down the saw on a stable and even surface (table).
2. Place one open end wrench behind the saw blade on the shaft, the other in front of the blade on the locking screw.
3. Retain the wrench and use it for fixing the saw at the same moment.
4. Untighten locking screw with the other wrench.



5. Remove the locking screw and the fixation washer.
6. Take care to loose no parts.
7. Remove saw blade.
8. Clean thread and bearing surface
9. Insert new saw blade and center on the shaft. **IMPORTANT:** The pin on the axis must fit into the notches in the saw blade perfectly (on both sides).
10. Mount the fixation washer (4). Notches of the washer must show towards the saw and must fit to the pins, too.



11. Screw down locking screw by hand and tighten with wrench (6-7 Nm). Make sure, that the shaft is not turned during untightening and tightening the screw. Turning the excentric axis inside the machine may damage the

transmission.

### Saw blades

Attention: blunt saw blades must be changed immediately. Hot saw blades may burn the patients skin and overload the machine. Available saw blades are shown on the last page. Only use original SCHREIBER blades.

### Safety Instructions

- Only use original spare parts.
- Improper use may cause overheating and damage of the machine.
- Never bring the machine in contact with water or other solutions. **DO NOT STERILIZE**
- Maschine is not explosion protected. Keep away from flammable liquid or gas.
- It is recommended to wear safety equipment (protection glasses, gloves, ear protectors)

### Scope

Generally it is not recommended to misuse the saw for medical or other purposes, that means the machine must only be used as saw for plaster or synthetic bandages. It is not suitable for surgical operations. The patient must not have direct contact to the sawblade.

### Opening of bandages

**ATTENTION:** Unpadded bandages must be opened with special care, because stucked skin might be burned! Choose a suitable saw blade first. Place the saw with the fixed saw blade on the bandage with slightly pressure. The thumb can serve as guide and depth gauge and prevents abruptly penetration into the bandage. As long as the saw blade is cutting, there is a resistance, that decreases, when the saw blade goes through the bandage. Then the saw must be lifted without being taken out of the groove and moved about 15 mm into cutting direction. Repeat these steps, until the complete bandage is opened by several linear cuts.

### Special instructions

- Bandages with metal inserts should not be opened with this saw.
- Avoid permanent friction on the soft furnishing (heat).



GA-SG-100-E  
Version 1.1  
Stand 17.04.2008

## Instructions of use for Oscillating Plastersaw SG-100



### **Additional Tips**

The various bandage materials have very different attributes. Please try to find out the best settings during performance. Usually synthetic bandages need lower speed, to avoid melting of the material. The cutting of unpadded bandages should be avoided as far as possible (see "opening of bandages"). If a close bandage is necessary, it is useful to integrate a gaze or cotton stripe on the patients skin and mark the position on the bandage with a marker. Later the bandage can be opened along the line.

After surgical operations, the position of the wound should also be marked on the bandage, so it is possible to open a window for wound inspection, extraction of wires or incisions.

The machine is equipped with a temperature switch, that avoids overloads. If the safety switch has turned the machine automatically off, the saw can be resaterterted after a short cooling period of a few minutes.

Blunt saw blades are overloading the motor. To reach a balanced abrasion, the saw blade can be turned to 90°.

### **Troubleshooting**

REPAIR OF THE MACHINE MUST BE MADE BY EXPERTS ONLY!

If the saw does not work:

- After overloads caused by stuck sawblades or similar, the saw will turn off and can be restarted after a short time
- Let the motor cool down for a few minutes and retry to turn on.
- Check the cable for damages

If the saw is too loud:

Turn off and send to the manufacturer for inspection.

### **Care**

The machine does not need special service, but it should be cleaned with a moist duster regularly. The saw must not be immersed into liquids or rinsed with water (NO STERILISATION). Take care, that no plaster debris is disturbing the oscillating shaft or the on/off switch.

The saw should be cleaned and checked all 6 months, depending on use and duration.

### **Maintenance**

Electrical devices must only be

checked, repaired and maintained by experts. Always unplug the machine, when it is not used. Blunt saw blades must be removed, to avoid overheating of the machine. Saw must be stored under dry conditions. Device must not be disassembled. There are no components inside, that can be repaired by the user.

### **Guaranty**

We give 1 year guaranty on this machine and accessoires on material and manufacturing faults. Improper use, normal wear, repair by third parties and modifications void guaranty and CE-marking. Please return the saw with an invoice copy to the manufacturer. Lables mounted by the manufacturer must not be removed.

# SCHREIBER INSTRUMENTE

## Technical data

Ref.-N°	SG-100-01	SG-100-02
Voltage	220-240V, 50-60 Hz	110-120V/50-60Hz
Power	500Watt	
Strikes	6500-24000 /min	
Noise, A- typical	52-77 dB(A)	
Weight	1.5 Kg	
Conformity	CE, DIN EN 60601-1,2	
Safety Class	Class II safety insulated (Type BF)	

## Delivered parts

SG-100-01 /02	1 Saw in Cardboard box
SG-200-50H	1 sawblade round for synthetics and plaster, Ø 50 mm
SG-200-65H	1 sawblade round for synthetics and plaster, Ø 65 mm
SG-600-15	1 Set open end wrenchs
GA-SG-100-01E	1 instructions of use

## Spare parts/Accessoires

SG-100-10	Plastic case with insert
SG-200-50H	1 sawblade round for synthetics and plaster, Ø 50 mm
SG-200-65H	1 sawblade round for synthetics and plaster, Ø 65 mm
SG-100-15	1 Set open end wrenchs
SG-100-20	1 locking screw
SG-100-21	1 fixation washer