Contra Angle Handpiece for Implant Surgery

CAUTION
• When operating the handpiece always consider the safety of the patient.
• The handpiece is designed for dental clinical or surgery use. Do not use it for the other purposes.
• Do not attempt to disassemble the handpiece nor tamper with the mechanism.
• Check the vibration, noise and overheating before use. If any abnormalities are found, stop using immediately and contact your dealer.
• Should the handpiece function abnormally, cease operation immediately and return the handpiece to the dealer for repair.
• Do not allow any impact on the sheath. Do not drop the handpiece.
• Do not use bent, damaged, or sub-standard burs. The shank could be bent or broken even within the recommended speed.
• Sterilization is required, after you purchase and each patient.
• Do not connect or disconnect the handpiece until the drive motor has completely stopped.
• After each operation, be sure to keep the handpiece after cleaning, lubrication, and sterilization. If the blood is left on the handpiece, it can be clotted causing rust.

1. Specifications and Dimensions (Head)

<table>
<thead>
<tr>
<th>Bur Size</th>
<th>SGM</th>
<th>SGMS</th>
</tr>
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<tbody>
<tr>
<td>0.25 mm</td>
<td>20,000 min⁻¹(rpm)</td>
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<td>0.27 mm</td>
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</tbody>
</table>

Fig. 1* Figure shows SGM.

2. Connection / Disconnecting the Handpiece

CAUTION
Do not connect or disconnect the handpiece until the drive motor has completely stopped.

(1) Connection
Insert the handpiece until it reaches the end of motor insert and screw it in with pushing until it locks with the click sound.

(2) Disconnecting
To disconnect, hold the motor and the handpiece, and pull out straightforwardly.

3. Mounting and Removing Bur and Depth Indicator

CAUTION
Do not connect or disconnect the handpiece until the drive motor has completely stopped.

(1) Mounting
Mount the handpiece to the Motor. (See 2. Connection / Disconnecting the Handpiece)
1) Swing open the latch plate.
(Fig. 2)
2) Insert the latch bur in place. Make sure that the head of the bur engages with the “D” hole in the bur tube.
(Fig. 3)
3) Set the Depth Indicator by engaging it with the Depth Indicator setting holes (Fig.3), and push it measuring the depth of the latch bur with the provided ruler. (SGMS only) (Fig.4)
4) Return the latch plate to the original position.
5) The latch plate engages with the groove in the bur and Depth Indicator.

(2) Removing
The bur is released by opening the latch plate.

CAUTION
• After the bur is locked in place, lightly pull out the bur to make sure the bur is locked.
• 2 types of short and long Depth Indicator are provided in the package. Select the Depth Indicator depending on the length of the bur, not on the size of the bur. Mischoice of the indicator may cause injury. (SGMS only)
**CAUTION**

After each operation, be sure to keep the handpiece after cleaning, lubrication, and sterilization. If the blood is left on the handpiece, it can be clotted causing rusting.

4. **Spray Nozzle**

**CAUTION**

- Repeat this lubrication until you see no foreign articles such as blood penetrated into the handpiece comes out.
- Be sure to hold the handpiece firmly to prevent the handpiece from slipping out of hand by the spray pressure when lubricating.
- Hold the PANA SPRAY Plus / PANA SPRAY can upright.

(1) Cleaning

Clean the spray nozzle inside with clean water.

(2) Lubrication

1) Push Spray Nozzle attachment over the PANA SPRAY Plus / PANA SPRAY nozzle until it firmly seats.
2) Shake the can 3-4 times to well mix lubricant and propellant.
3) Insert the Spray Nozzle in the rear of the handpiece. Spray the lubricant into the handpiece 2-3 times for 2-3 seconds each time.

(3) Sterilization

Steam autoclave is recommended.

**Stabilization**

Steam autoclave is recommended.

- Autoclave Procedure
  1) Cleaning, or wipe of the handpiece with the medicated solution (alcohol etc.).
  2) Insert into an autoclave pouch. Seal the pouch.
  3) Autoclavable up to max. 130°C.

- Ex) Autoclave for 20 min. at 121°C or 15 min. at 132°C.
4) Keep the handpiece in the autoclave pouch to keep it clean until you use it.

* Sterilization at 121°C for more than 15 minutes is recommended by EN13860 or EN BOI 7665-1.

**CAUTION**

Do not wipe with, or clean in immerse in, high acid water or sterilizing solutions.

5. **Maintenance**

**CAUTION**

If SGM is used, be sure to check and sterilize that it is not clogged or rusted.

3 irrigation methods are available; External, Internal or both of them, depending on tool and operation procedure.

(1) External Spray Nozzle

Connect the Irrigation Tube to the External Spray Nozzle firmly.

(2) Internal Spray Nozzle (Option)

Only a drill with internal irrigation is used.

1) Connect the Irrigation Tube to the Internal Spray Nozzle firmly.
2) Put the Internal Spray Nozzle into the slot on the head.

* Internal Spray Nozzle: Order No. C293055

(3) External and Internal Irrigation together (Option)

1) Connect the ends of the Y-Connector to the External Spray Nozzle and Internal Spray Nozzles respectively and detail is described in procedures (1) and (2).
2) Connect the Irrigation Tube to the Y-Connector firmly.

* Y-Connector: Order No. C293752

4) In case the procedure resulted in substantial amount of blood covering the handpiece head or blood seeming to have entered into the handpiece, loosen the nut with attached wrench as shown in Fig.9, and disassemble the head part from the sheath. Wash off blood under running water or in the ultrasonic bath. After cleaning, dry the head and supply ample amount of spray lubricant to further drive out water from inside, and assemble onto the sheath.

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