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Please read this Operation Manual carefully before use, and file for future reference.

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External Coolant Straight Handpiece



MADE IN JAPAN

OM-H0190E



Intended Use

This handpiece is designed for clinical dental use and implant surgery.

- When operating the handpiece always consider the safety of the patient.
- Do not attempt to disassemble the handpiece nor tamper with the mechanism.
- Check the vibration, noise and overheating outside the patient's oral cavity before use. If any abnormalities are found, stop using the handpiece 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.

• Always keep bur shanks clean. Dirt or debris in a chuck could cause poor bur concentricity or low chuck retention force.

1. Connection / Disconnecting the Handpiece and Motor

(1) Connecting

Align the positioning marks of the motor and the handpiece, and insert straightly.



(2) Disconnecting

Hold the front part of the motor and the back part of the handpiece, and pull out straightly.

2. Mounting and Removing Bur

(1) Handpiece Bur

Inserting the Bur

1) Turn the Bur Lock Ring in the direction of mark [O] until it clicks.

2) Insert the bur.

 Turn the Bur Lock Ring in the direction of the mark [C] until it clicks. Make sure Black Dots align (Fig. 2).



Removing the Bur

Turn the Bur Lock Ring in the direction of mark [0] until it clicks and remove the bur.

(2) Contra-angle bur

Inserting the Bur

Turn the bur lock ring in the direction of mark [0] until it clicks.
Insert the supplied Bur Stopper into the chuck. (Fig. 3)
Insert the Contra-Angle Bur until it stopped.

4) The bur will be chucked by turning the bur lock ring in the direction of mark [C] until it clicks and Black Dots line up.

Removing the Bur

Turn the Bur Lock Ring in the direction of mark [0] until it clicks and remove the bur.

Remove the Bur Stopper

 Turn the Bur Lock Ring in the direction of mark [0] until it clicks.
Insert the supplied Bur Stopper puller into the chuck. Pull out the Bur Stopper by hooking at the slit of Bur Stopper. (Fig. 4)



 \triangle CAUTION for Bur Usage

Heat Generation Problem

Bur position is improper or it is not mounted.

--> Mount the bur correctly.

• During operation, Bur Lock Ring had been turned. --> Do not turn the Bur Lock Ring while the handpiece is rotating.

Bur Jump Out Problem

• Incorrect mount of the bur/bur stopper.

--> Mount the bur/bur stopper firmly.

• During operation, Bur Lock Ring had been turned.

--> Do not turn the Bur Lock Ring while the handpiece is rotating.

Mount short shank contra-angle bur.
--> Do not mount this bur.

Bur Breakage Problem • Mount damage or sub-standard burs.

--> Do not mount those burs.

Exceed drive motor speed or manufacture's recommended bur speed.

--> Do not exceed drive motor speed or manufacture's recommended bur speed.

3. External Irrigation Nozzle

Connect the irrigation tube to the external irrigation nozzle firmly.

4. Maintenance

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

Refer to the Maintenance Guide **OM-Z0135E**.

This handpieces can be autoclavable up to Max.135°C.

This handpieces can be cleaned and disinfected with a Thermo-Disinfector.

*Cleaning Clean the external irrigation nozzle inside with clean water.

External Irrigation Nozzle

Fig. 5

5. Cleaning the Glass Rod Optic

Clean the Glass Rod Optic with cotton swab soaked in alcohol.



⚠ CAUTION

Do not use a sharp tool to clean the glass rod optic. It could damage the glass rod optic and decrease the light transmission. If it becomes dim, contact your dealer.