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Specifications are subject to change without notice.

'09.03.02 (S)

OPERATION MANUAL

NSK

 0197

Internal Coolant Straight Handpiece

S-Max  **M65**

S-Max MS

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

MADE IN JAPAN

OM-H0189E



Powerful Partners®

Intended to Use

The handpiece is designed only for clinical dental treatment use by qualified personnel.



CAUTION

- When operating the handpiece always consider the safety of the patient.
- Do not disassemble nor alter handpiece.
- Check for 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 authorized dealer.
- Do not connect or disconnect the handpiece until the motor has completely stopped.
- Always keep bur shanks clean. Dirt or debris in a chuck could cause poor bur concentricity or low chuck retention force.
- Wear protection glass and dust mask for your health and safety.

1. Features

- S-Max M65 is able to mount the Contra-Angle Bur (ISO1797-1 Type1) and Handpiece Bur.
- The patented CLEAN-HEAD system in the handpiece nose prevents invasion of saliva, blood, and other contaminants into the handpiece.
- NSK's technology minimized vibration under cutting, and improved work accuracy.
- The handpiece is less heat generation.
- Autoclavable up to 135°C.

2. Connecting / Removing the Handpiece and the Motor

- (1) Connecting
Align handpiece and the motor, and insert it straight until end of the motor insertion.
- (2) Removing
Hold the handpiece and the motor, and pull it out straight.

3. Changing 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.
- 3) Turn the Bur Lock Ring in the direction of the mark [C] until it clicks. Make sure Black Dots align (See the picture below).

Removing the Bur

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

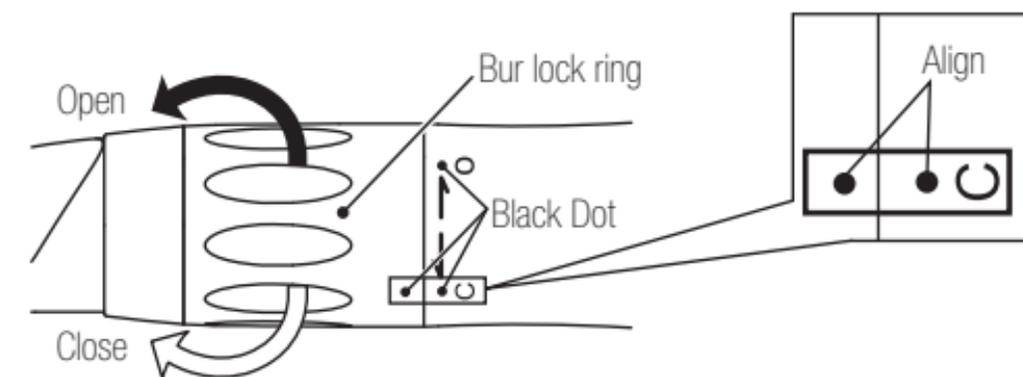


Fig. 1

(2) Contra-Angle Bur
Inserting the Bur

- 1) Turn the bur lock ring in the direction of mark [O] until it clicks.
- 2) Insert the supplied bur stopper into the chuck. (Fig. 2)
- 3) Insert the Contra-Angle Bur until it stopped.
- 4) Turn the Bur Lock Ring in the direction of the mark [C] until it clicks. Make sure Black Dots align.

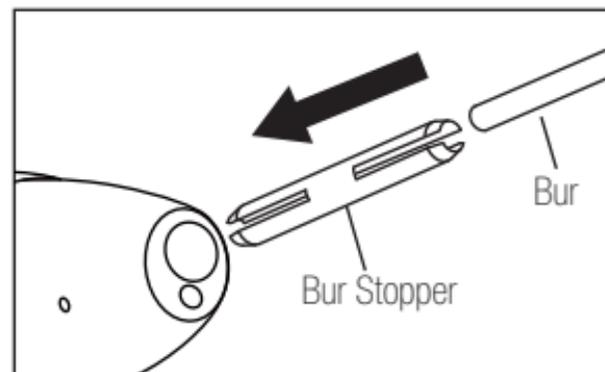


Fig. 2

Removing the Bur

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

Remove the bur stopper

- 1) Turn the Bur Lock Ring in the direction of mark [O] until it clicks.
- 2) Insert the supplied Bur Stopper puller into the chuck. Pull out the Bur Stopper by hooking at the slit of Bur Stopper. (Fig. 3)

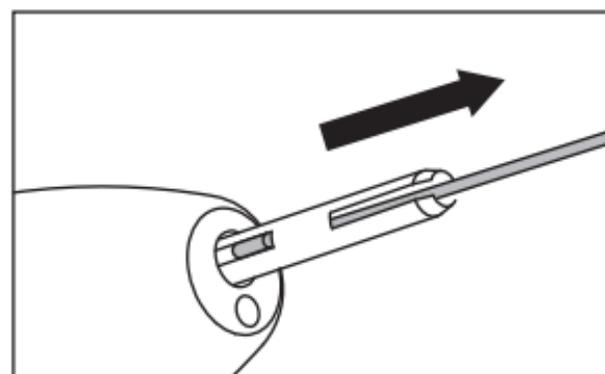


Fig. 3

⚠ CAUTION for Bur Usage

- Make sure that the bur is securely locked in the chuck before each use. Improper mounting of the bur could cause the bur to spin out during rotation and endanger anyone in the vicinity.
- Mount bur stopper firmly into handpiece until it stopped. If insert wrong way, it may be difficult to remove. It may cause injury by loosening the chuck and jumping out of the bur.
- Do not use bent, damaged or sub-standard burs. And do not exceed the drive motor speed recommended by the bur manufacturers. This may cause shank bend or break even within the recommended speed.
- Do not use short shank contra-angle bur. It may cause injury by loosening the chuck and jumping out of the bur.
- Do not rotate the motor when the bur lock ring is at OPEN position, or a bur is not mounted in the chuck and do not turn the bur lock ring while the handpiece is rotating. It may cause the motor/handpiece disconnection or sudden heat generation.
- Bur and/or Bur Stopper should be inserted until it stopped. This will prevent "BUR WALK OUT", and/or damage the ball bearing.

4. Maintenance

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



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

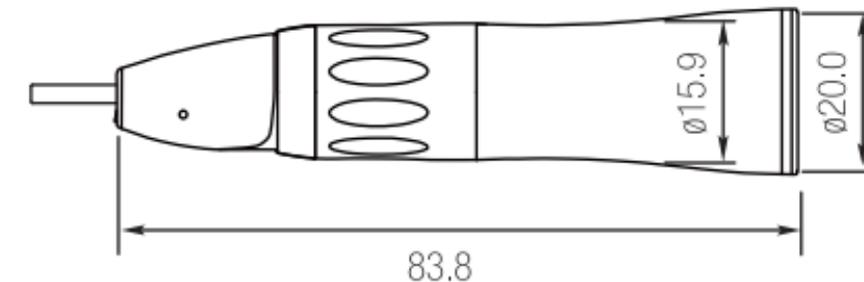


This handpiece can be autoclavable up to Max.135°C.

5. Service

Exclusive part is necessary for cartridge exchange. If you need service for those handpieces, contact your dealer.

SPECIFICATIONS



DE

Max. zulässige Geschwindigkeit: 40.000min⁻¹(rpm)

Anwendbare Instrumente:
Ø 2,35mm Handstückbohrer
Ø 2,35mm Winkelstückbohrer

ES

Velocidad máxima permitida: 40.000min⁻¹(rpm)

Instrumento aplicable:
Ø 2,35mm Fresa pieza de mano
Ø 2,35mm Fresa de contra ángulo

EN

Max. Allowable speed : 40,000min⁻¹(rpm)
Applicable Instrument :
Ø 2.35mm Handpiece Bur
Ø 2.35mm Contra Angled Bur

FR

Vitesse max. autorisée: 40.000min⁻¹(rpm)
Dimension du mandrin:
Ø 2,35mm Fraise PM
Ø 2,35mm Fraise CA

IT

Massima velocità consentita: 40.000min⁻¹(rpm)
Strumento applicabile:
Ø 2,35mm Fresa pieza de mano
Ø 2,35mm Fresa per Contrangolo