

OPERATION  
MANUAL

CE 0197 MADE IN JAPAN ENGLISH

OM-C0464E 002

**Intended to use**

This handpiece is designed only for clinical dental use (Polishing) by qualified personnel.

**CAUTION**

- When operating the handpiece always consider the safety of the patient.
- 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 dealer.
- Should the handpiece not function normally, cease operation immediately and return the handpiece to your authorised NSK Dealer for service.
- Do not attempt to disassemble the handpiece or tamper with the mechanism.
- Do not allow any impact on to the handpiece. Do not drop the handpiece.
- Do not exceed the drive motor speed recommended the Rubber Cup/Brush manufacturers.
- Operators and all others in the area must wear eye protection when operating this handpiece.
- If the handpiece has not been used for a long period, check for noise, vibration, and overheating before use.
- Never use Reverse Rotation. It may run out the Rubber Cup/Brush and cause an injury.

**1. Specification**

Model	FX57	FX57m
Max. Rotation Speed (Motor)	20,000min <sup>-1</sup>	
Gear Ratio	4: 1 Reduction	
Thermo Disinfector	-	○

**2. Connecting handpiece and motor**

## 2-1 Connecting

Insert handpiece into motor.

## 2-2 Disconnecting

Hold motor's front side and headpiece's rear side, and then pull those out.

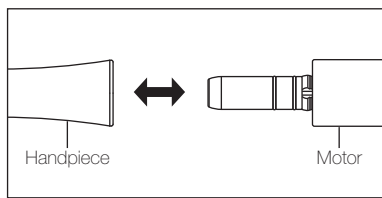


Fig. 1

**CAUTION**

- Do not connect or disconnect the handpiece until the drive motor has completely stopped.
- Connect only E type joint (ISO 3964:1982).
- Do not exceed motor's max. rotation speed (20,000min<sup>-1</sup>).

**3. Check before treatment**

Follow the check below, before treatment. If abnormalities are found, stop using the handpiece immediately and return to contact dealer.

- 1) Mount the Rubber Cup/Brush.
- 2) Set up the appropriated max rotation speed to the mounted Rubber Cup/Brush. Check that there are not abnormal rotation, vibration, and noise and overheating.
- 3) If there are not abnormalities above, rotate the handpiece about one minute. Then check that there are not abnormal heating on the out-side surface.
- 4) Operate handpiece if there are not abnormalities above.

**4. Mounting and Removing the Rubber Cup/Brush**

## 4-1 Mounting

1) Insert the Rubber Cup/Brush into a Screw Hole of the handpiece head.

2) Turn Rubber Cup/Brush in a clockwise direction to fix the screw shank. (Fig. 2)

## 4-2 Removing

Perform a reverse procedure of Mounting. Turn the Rubber Cup/Brush way of "Loosen" direction. (Fig. 2)

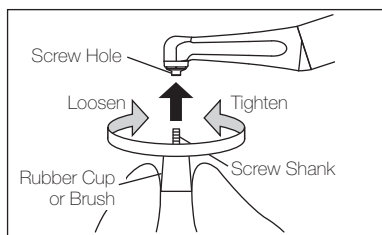


Fig. 2

**5. Maintenances**

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

This handpiece can be washed via Thermo Disinfector.(FX57m)

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

**6. Warranty**

NSK warrants our handpiece against poor manufacturing, poor workmanship and defects in materials. NSK reserves the right to analyze and determine the cause of any problem. Warranty is voided should the handpiece be not used correctly. Replacement parts are available for seven years beyond discontinuation of the model.

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