



Caution: Federal law restricts this device to sale by or on the order of a licensed dentist.

# Endo-Express® Reciprocating Handpiece

1/4-Turn, 4:1 Reduction, ISO E-Type Coupling, Push-Button Endodontic Handpiece for Hand Instruments

**REF**  
Cat. No. **5500-00**

## OPERATION MANUAL

**135°C** AUTOCLAVABLE

Please read this manual before operation the handpiece.



### Caution

- When operating the handpiece always consider the safety of the patient.
- The handpiece is designed only for dental clinical use.
- Should the handpiece function abnormally, cease operation immediately.
- To be used with an E-Type air or electric motor. To avoid possible mechanical failure do not exceed motor speed 12,000 min<sup>-1</sup> (rpm).
- Follow the SafeSiders® instructions.
- Do not drop or hit handpiece against hard object.
- Lubricate before autoclaving (See lubrication section below).
- Do not quickly heat or quickly cool after autoclaving.
- Do not disassemble or alter the handpiece.

### Intended Use

Endo-Express® Handpiece is indicated for use with the SafeSiders endodontic instruments for the removal of dentin, shaping and obturation of the root canal.

### Operating Procedure

1. Push the head button to open the chuck. (Fig. 1)
2. Insert the SafeSiders® handle into the chuck and release the button. (Fig. 2)
3. Make sure that the handle is securely held in chuck. (Fig. 3)



Fig. 1



Fig. 2



Fig. 3

### Cleaning and Lubrication

Important:

If lubrication instructions are not followed you may damage the handpiece and void warranty.

Use aerosol spray lubricant after each use and/or before autoclaving.

1. Push E-type spray nozzle attachment over the aerosol spray lubricant nozzle until it firmly seats (Fig 1). Shake the can 3-4 times to mix lubricant and propellant.
2. Insert the E-type spray nozzle in the rear of the handpiece and spray for approximately 2-3 seconds until the oil comes out of the handpiece head or nose (Figs 2-3).

E-Type Spray Nozzle    Aerosol Spray Lubricant    Endo-Express Handpiece



Fig. 1

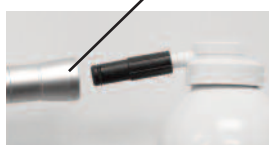


Fig. 2



Fig. 3



## Cautions on Lubrication

- Be sure to hold the handpiece firmly to prevent the handpiece from slipping out by the spray pressure when lubricating.
- Supply lubricant until it comes out of the handpiece nose (for approx. 2 seconds).
- Keep the aerosol spray lubricant can upright.

## Sterilization

EDS recommends heat sterilization by autoclave prior to first use and after each use to prevent cross-contamination between patients.

Autoclave Procedure:

1. Scrub dirt and debris from the handpiece, and wipe clean with alcohol-immersed cotton swab or cloth. Do not use a wire brush.
2. Lubricate with aerosol spray lubricant. Refer to the Lubrication Instructions.
3. Insert into an autoclave pouch. Seal the pouch.
4. Autoclave for 15 minutes at 132°C(186KPa). (275°F)



## Cautions on Sterilization

- In cases where the sterilizer chamber temperature could exceed 135°C during the dry cycle, skip the dry cycle.
- Always place the handpiece in the center or upper half of the chamber, as the local temperature at the chamber bottom could rise beyond the set value.
- Do not autoclave the handpiece in the same bag as other instruments or equipment.

## Repair Service

All handpieces must be processed through the proper autoclave sterilization prior to return.

To obtain return authorization please visit the website listed below, complete the online form and attach a copy of your distributor's invoice.

**For complete repair, service and return information, including address for returns, visit:**

<http://www.edsdental.com/hpservice>

**Email questions to: [repairs@edsdental.com](mailto:repairs@edsdental.com)**

All returns should be sent to:

EDS Handpiece Repairs  
618 Corporate Way, Unit 1  
Valley Cottage, NY 10989

For service outside the USA, contact your dental distributor.

## Warranty

EDS warranties the handpiece against poor manufacturing, poor workmanship and defects in materials.

EDS reserves the right to analyze and determine the cause of any problems.

Warranty will be voided if the handpiece is not used correctly. EDS warranties the handpiece for 6-months from the date of purchase.

**For complete repair, service and return information, including address for returns, visit:**

<http://www.edsdental.com/hpservice>

**Email questions to: [repairs@edsdental.com](mailto:repairs@edsdental.com)**

For warranty service outside the USA, contact your dental distributor.



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