

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

ENDO-EXPRESS™

135°C : AUTOCLAVABLE

OPERATION MANUAL

OM-CZ265E



The EU directive 93/42/EEC was applied in the design and production of this medical device.

Please read this manual before operating 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 and return the handpiece to the dealer for repair.
 - Do not exceed motor speed 12,000 min⁻¹(rpm).
 - Follow the SafeSiders® instructions.
 - Do not drop nor hit handpiece against hard object.
 - Lubricate before autoclaving.
- If autoclaving is not performed, lubricate before each use.
- Do not quickly heat nor quickly cool after autoclaving.
 - Do not disassemble nor alter the handpiece.

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

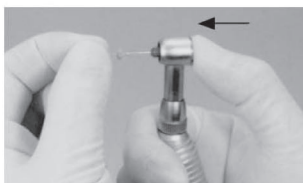


Fig.2

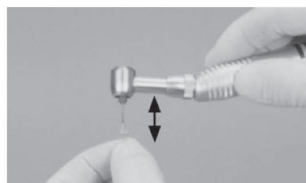


Fig.3

Lubrication

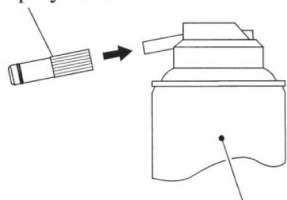
Important:

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

Supply PANA-SPRAY after each use and/or before autoclaving.

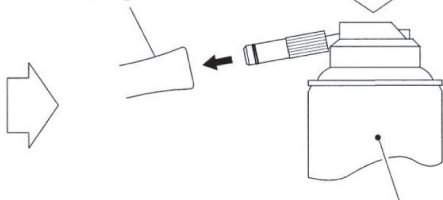
- ① Push E-type spray nozzle attachment over the PANA-SPRAY nozzle until it firmly seats.
- ② Shake the can 3-4 times to mix lubricant and propellant.
- ③ Insert the E-type spray nozzle in the rear of the handpiece and spray for approximately 2-3 seconds until the oil comes out of the handpiece head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

E-type Spray Nozzle



PANA-SPRAY

Handpiece



PANA-SPRAY

Fig.4

PANA-SPRAY can be purchased from NSK Dealers.



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 PANA-SPRAY can upright.

Sterilization

NSK recommends heat sterilization by autoclave.

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 PANA-SPRAY. Refer to 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, even when it is bagged, together with other instruments, from which chemicals are not sufficiently cleaned. This is to avoid discoloration and/or damage to the plating of the handpiece.

Repair Service

For genuine NSK service and parts always return the handpiece to your NSK dealer.

USA : Send to NSK AMERICA Corp.
700B Cooper Court, Schaumburg, IL 60173
Phone : (847)843-7664

Other countries : Send to your local NSK dealers.

Warranty

EDS warrants the handpiece against poor manufacturing, poor workmanship and defects in materials, EDS reserves the right to analyze and determine the cause of any problem.

Warranty is voided should the handpiece be not used correctly.

EDS warrants the handpiece for 60-days from the date of purchase.

After the 60-day warranty period, please contact NSK at the address above.

Caution:

Do not exceed a motor speed of 12,000 RPM's when using the Endo-Express handpiece.

Excessive speed may damage the handpiece.

Motordrehzahl an der Einheit nicht über 12.000UPM einstellen! Eine höhere Drehzahl kann das EndoExpress-Winkelstück beschädigen!

Ne pas dépasser 12.000 tours/minute au moteur pour l'utilisation de la pièce à main endoexpress. Une vitesse excessive peut endommager la pièce à main.

Non usare il manipolo Endo-Express a velocità superiori ai 12.000 RPM. Velocità troppo elevate potrebbero danneggiare il manipolo.

No exceder la velocidad de 12,000 RPM'S del motor cuando se utiliza el Endo-Express de mano. El exceso de velocidad puede dañar la pieza de mano.

※ Specifications may be changed without notice.

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