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NAC - EC / ER4 / ER10 / ER16 / ER64 / ECM / ER4M / ER10M / ER16M / ER64M BB - EC / ER4 / ER10 / ER16 / ER64 / ECM / ER4M / ER10M / ER16M / ER64M NM - EC / ER4 / ER10 / ER16 / ER64 / ECM / ER4M / ER10M / ER16M / ER64M NBBW - EC / ER4 / ER10 / ER16 / ER64 / ECM / ER4M / ER10M / ER16M / ER64M

Intended to Use

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

⚠ Caution

DPERATION MA

- 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 Product immediately and cantoot your authorized dealer.
- immediately and contact your authorized dealer.Do not allow any impact on to the Product. Do not drop the handpiece.
- Do not exceed the allowable max speed recommended on the Specification.
 Be sure to connect or disconnect the handpiece only after the motor
- completely stops rotation.Always confirm that the bur is correctly located in the position.
- Always confirm that the burns correctly located in the position.
 Do not use bont, deformed or demaged burg.
- Do not use bent, deformed or damaged burs.Perform periodical maintenance checks.
- If the handpiece has not been used for a long period, check for noise, vibration, and overheating before use.

1. Specifications

Model	NAC-Y	BB-Y	NM-Y	NBBW-Y
Allowable Max. Speed	30,000 min ⁻¹	40,000 min ⁻¹	30,000 min ⁻¹	40,000 min ⁻¹
Bur Size	ISO 1797-1 Type1			

2. Mounting and Removing the Bur

(1) Mounting

- 1) Swing the Latch Plate to open the chuck.
- 2) Insert the Latch bur.
- 3) Swing the Latch Plate back to closed position.

⚠ Caution

If the directional insertion is right for the "D" shape hole, bur might install into the end of the chuck.

(2) Removina

Swing the Latch Plate to open position and pull the bur out.

3. Water and Chip Air Supply

NBBW

Connect the Irrigation Tube to the Irrigation Nozzle.(Fig.1)



Ingation Noz

NAC / BB / NM

Connect the Spray Tube Attachment to the head and the tube to the Spray Tube Nozzle of the motor.(Fig.2)

* Spray Tube Attachment(Option) : NAC,BB Order No.C032 701 NM Order No.C032 701



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4. Lubrication

- (1) PANA SPRAY Plus / PANA SPRAY
 - Supply "PANA SPRAY Plus /PANA SPRAY" after each use and/or before autoclaving.
 - 1) Push E-type Spray Nozzle attachment over the lubricant spray nozzle until it firmly seats.
 - 2) Shake the can 3-4 times to well mix lubricant and propellant.
 - 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.



⚠ Caution

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

(2) Lubricant oil

Swing open the latch plate. Loose the Union Nut on the head. Remove the head from the sheath. Remove the Drive Shaft assembly from the head or sheath.





5. Cleaning and Sterilization

The products listed below are washable with Thermo Disinfector. /|\ | ECM, ER4M, ER10M, ER16M, ER64M

Steam autoclave is recommended.

Sterilization is required first time you use and after each patient. Autoclave Procedure :

- 1) Scrub dirt and debris from the handpiece, and wipe clean with alcoholimmersed cotton swab or cloth. Do not use a wire brush.
- 2) Lubricate the handpiece. Refer to 4. Lubrication.
- 3) Insert into an autoclave pouch. Seal the pouch.
- 4) Autoclavable up to max. 135°C.
- ex.) Autoclave for 20 min. at 121°C or 15 min. at 132°C.
- 5) Keep the handpiece in the autoclave pouch to keep it clean until you use it.
- * Sterilization at 121°C for more than 15 minutes is recommended by EN13060 or EN554.

△ Caution

Do not wipe nor immerse the handpiece in acidic water or acidic solutions.

6. Cartridge Replacement (NAC, BB, NBBW)

- 1) Loosen the Union Nut and remove the head from the sheath.
- 2) Pull out the Drive Gear Assembly from the head. (Fig. 5)

Order No. C030 011 * Optional Cartridge : NAC-03 (Cartridge for NAC-Y) BB-03 (Cartridge for BB-Y) Order No. C037 015 NBB-03 (Cartridge for NBBW-Y) Order No. C210 015

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

NAKANISHI INC. www.nsk-inc.com

700 Shimohinata Kanuma-shi Tochigi 322-8666, Japan NSK America Corp

www.nsk-inc.com 700 Cooper Cour Schaumburg, IL 60173,

NSK Oceania Pty Ltd www.nsk-inc.com

Unit 22, 198-222 Young St Waterloo, Sydney, NSW 2017, Australia Specifications are subject to change without notice.

www.nsk-europe.de Elly-Beinhorn-Strasse 8 65760 Eschborn

NSK France SAS www.nsk.fr 19 avenue de Villiers 75017 Paris,

rance NSK Middle East

www.nsk-inc.com Room 6EA-701, 7th Floor, East Wing No.6 Dubai Airport Free Zone, PO Box 54316 Dubai, UAE NSK United Kingdom Ltd

NSK Dental Spain SA www.nsk-spain.es C/ Módena, 43 El Soho-Európolis 28232 Las Rozas, Madrid, Spain

www.nsk-uk.com

NSK Asia www.nsk-inc.com 1 Maritime Square, #09-33 HarbourFront Centre, Singapore 099253