OPERATION MANUAL

NSK

CE 0197

E-TYPE STRAIGHT NOSECONE

NSK

EX-5 / EX-6/ EX-6A / EX-6L

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

MADE IN JAPAN
OM-H0014E Rev.7

Powerful Partners®

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

Caution

General Cautions:

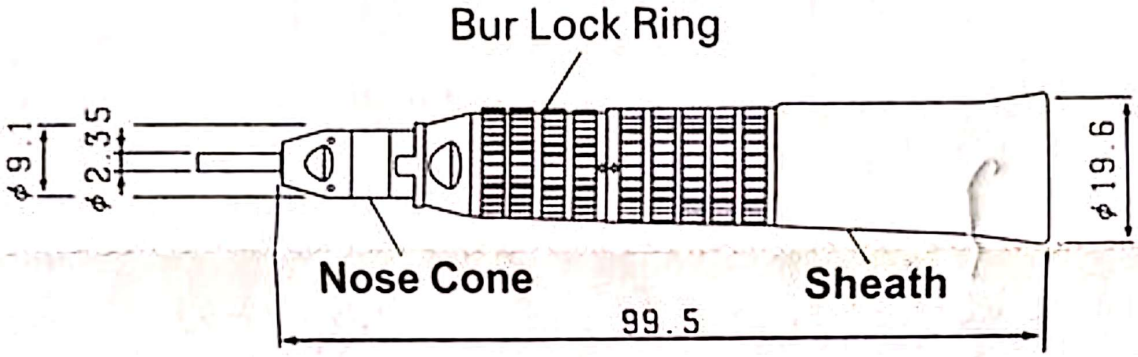
- This handpiece is intended for use by dental professionals only.
- NSK handpieces should not be rebuilt.

Cautions on Operation:

- Do not turn the bur lock ring while the handpiece is rotating.
- Do not rotate the motor when the bur lock ring is at OPEN position, or a bur is not mounted in the chuck. Rotating the motor with the bur lock ring open or a bur not mounted in the chuck may damage the motor/handpiece connection. It may become impossible to separate the motor and handpiece.
- 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.
- Do not use bent, off-centered, deformed, damaged, nor non-ISO standard burs.
- Use clean bur. Dirt on the shank may lodge in the chuck in time and could cause poor concentricity of the bur or poor chuking power.
- Always mount a bur blank or bur in the chuck.

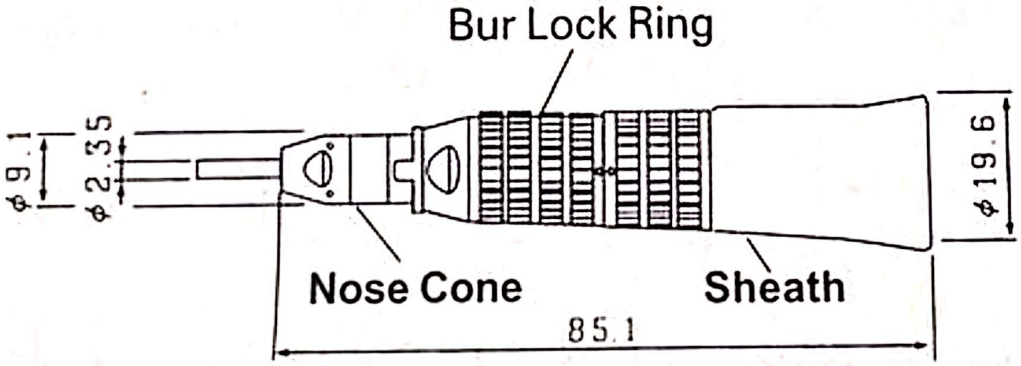
1. Specifications

EX– 5



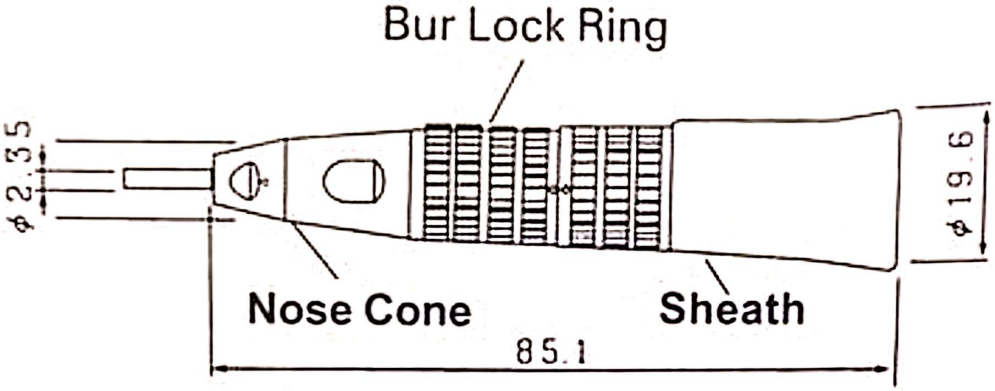
Allowable Max.Speed···40,000min^{-1}(rpm)
Burs··· ϕ 2.35 Handpiece Bur
Gear Ratio··· 4:1
Accept Doriot Type Head

EX– 6



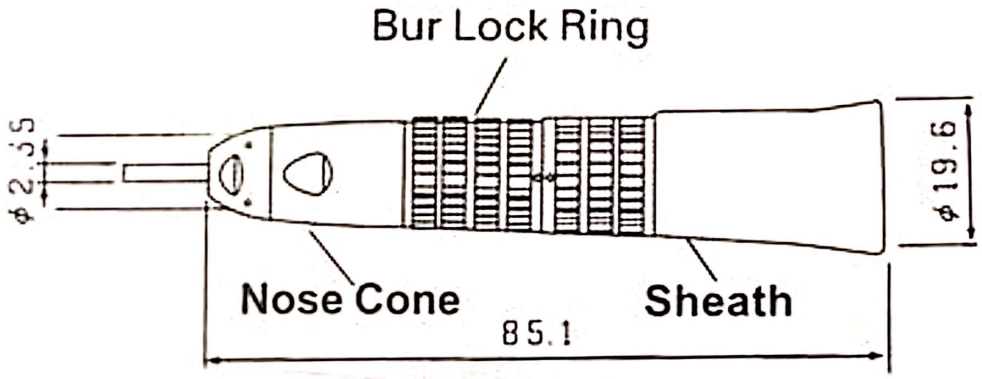
Allowable Max.Speed···40,000min^{-1}(rpm)
Burs··· ϕ 2.35 Handpiece Bur
Accept Doriot Type Head

EX– 6A



Allowable Max.Speed···40,000min^{-1}(rpm)
Burs··· ϕ 2.35 Handpiece Bur

EX– 6L



Allowable Max.Speed···40,000min^{-1}(rpm)
Burs··· ϕ 2.35 Handpiece Bur

Fig.1

2. Mounting Burs

(1) Turn the Bur Lock Ring all the way in the direction of black arrow to open the chuck.
Insert a bur into the chuck.(Fig.2)

(2) Return the Bur Lock Ring to the original position until a click sound is heard.(Fig.2)

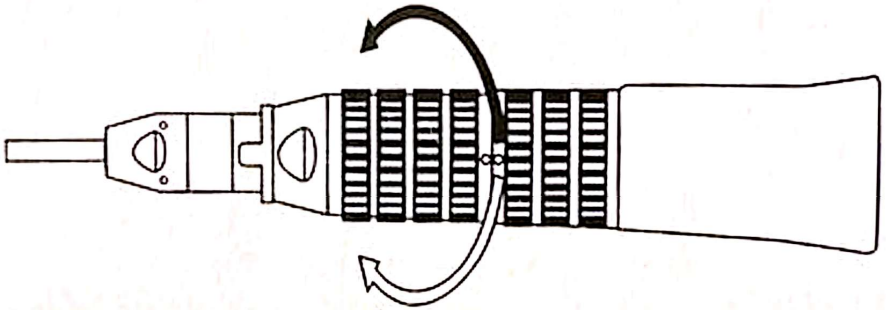


Fig.2

Tips for safe use and for maximum service life

- Never use bent, off-centered or damaged burs. Excessive loads generated by defective burs rotating at 40.000min^{-1}(rpm) will quickly damage ball bearings.
- Always insert a bur all the way into chuck. This will prevent "BUR-WALK-OUT", and/or damage to the ball bearing.
- Never operate EX-5/6 Straight Nosecone without a bur or bur blank securely in place, or Bur Lock Ring at different positions.

3. Lubrication

Supply PANA-SPRAY after each ues 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 well 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.

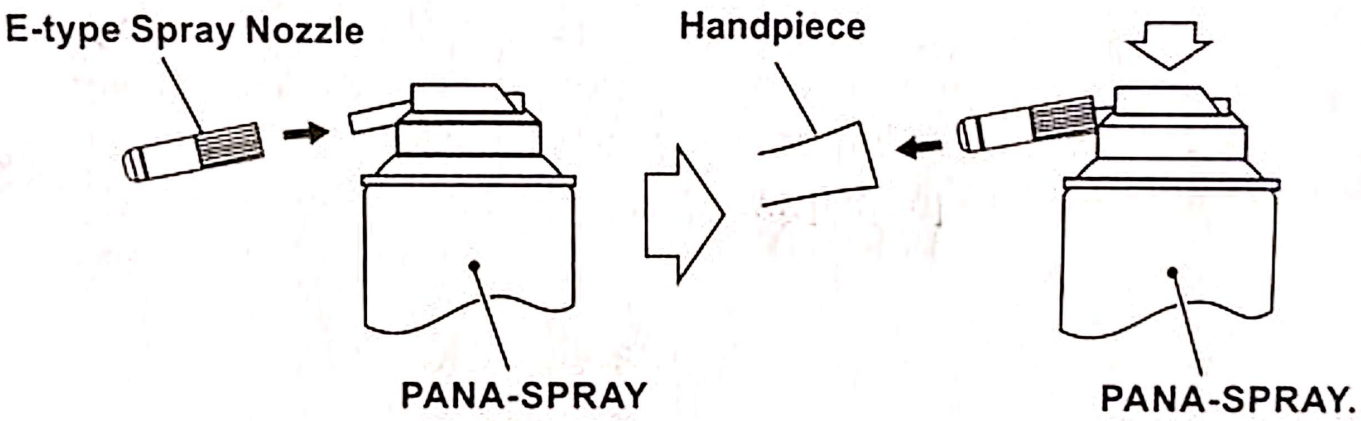


Fig.3

Caution

- 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.

4. Cleaning and Sterilization

(1) Cleaning :

Wipe clean the handpiece sheath with alcohol-dipped soft tissue or cotton. Never clean the handpiece in boiling water or in chemicals, with wire brushes, or in ultrasonic cleaners.

(2) Sterilization:

Steam autoclave is recommended.

Autoclave sterilization required after each patient as noted below.

① Clean the handpiece sheath as described above.

② Lubricate the handpiece with PANA-SPRAY. (Ref.3. Lubrication)

③ Place handpiece into autoclaving pouch and seal it in accordance with instructions on the pouch.

④ Autoclavable up to a max. 135°C (275°F).

ex.) Autoclave for 20 min. at 121°C (250°F), or 15 min. at 132°C (270°F)

5. Warranty

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

Warranty is voided should the handpiece be not used correctly.

Replacement parts are available for 7 years beyond discontinuation of the model.