

E-type Straight Nosecone

043-1023 EX-6

 : AUTOCLAVABLE

Operation Manual

OM-HK129E 001

⚠ Caution before use

- The Patterson E-type straight nosecone is intended for use by dental professionals only.
- Read this operation manual carefully before using the nosecone.
- Be sure to follow all the operating instructions, including all cautions and warnings.
- Keep this Operation Manual for future reference.
- Consider primarily the safety of the patient and the operator when using the nosecone.

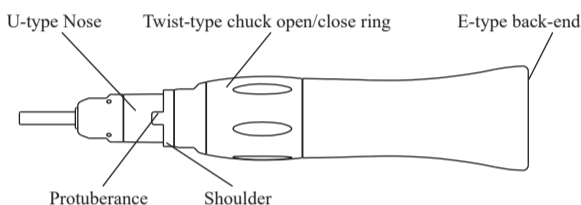
1. Specifications and Part Descriptions

Specifications

Back-end configuration	ISO E-type
Nose configuration	U-type
Chuck configuration	Applicable to ISO 2.35mm diameter spindle
Speed ratio	1:1 drive
Allowance maximum speed	40,000rpm
Weight	1.98oz (56g)

Note: Maximum speed may vary slightly depending on the type of tubing connected to the airmotor.

Part descriptions



2. Removal/Installation of Bur/U-type Attachment onto Nosecone

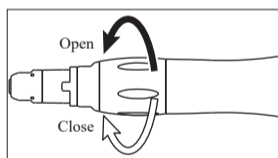
Holding the nosecone, twist chuck open/close ring in the direction indicated by the black arrow until the chuck clicks open and pull the bur blank out.

Bur

- Insert bur spindle into chuck all the way until the spindle touches the back of the chuck.
- Place the nosecone upward so that the inserted bur does not slide down and then twist the chuck open/close ring in the direction indicated by the white arrow until the chuck clicks shut.
- Make sure that the bur is securely installed onto the nosecone, pulling the bur with fingers.

U-type prophy/contra angles

- Insert spindle into chuck all the way until the back-end of the U-type attachment contacts the shoulder of the nose, aligning the slit at the back-end of the U-type attachment with protuberance on the nose.
- Twist chuck open/close ring in the direction indicated by the white arrow until the chuck clicks shut.



⚠ Caution

- Never install a U-type attachment with a bent spindle or a damaged bur, etc., onto the nosecone. Such a spindle or bur may not only injure the patient but critically damage the nosecone.
- Never install a non-ISO standard bur or U-type attachment with a non-ISO standard spindle.
- Never open/close the chuck without installing the instrument onto the nosecone, as the chuck retaining intensity may be prematurely reduced.
- Never use the nosecone, if the U-type attachment or bur cannot be installed securely. **In such cases, consult the Patterson Service Center.**

3. Installation/Removal of Nosecone from/onto motor and Operation

- Make sure that the motor onto which the nosecone is connected is an ISO E-type.
- Insert the back-end of the nosecone into the motor.
- Make sure that the nosecone is securely installed onto the motor by pulling it gently with fingers before use.

⚠ Caution

- If the nosecone cannot be smoothly installed/removed onto/from the motor or if the nosecone rattles after installation, do not use the nosecone.
- Stop using the air-motor whenever any abnormality in performance, sound level, heat level, etc., is sensed in use.
In such cases, consult the Patterson Service Center

⚠ Warning

- **Never dismantle or alter the nosecone.**
- **Never run the nosecone above 40,000rpm.**

4. Cleaning and Drying

The nosecone must be cleaned and lubricated after each use and before autoclaving.

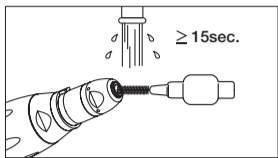
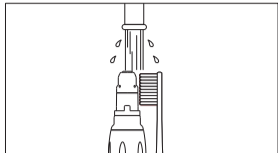
- Remove the nosecone from the motor. Remove the bur or U-type attachment used.

Cleaning and Drying the Exterior

Wash the nosecone under running water following the procedures below.

(Water condition: $\leq 100^{\circ}\text{F}$, $\geq 3.5\text{L}/\text{min}$; water should be of the same quality as drinking water)

- Clean the external surfaces of the nosecone with a soft bristled toothbrush for 15 seconds or more.
- Clean around the bur insertion hole for 15 seconds or more, using an interdental brush (wire thickness 0.7mm) that conforms to size 4 in ISO 16409. Under appropriate lighting (natural office lighting, 500 lx or higher), inspect the nosecone for blood or other debris. If any visible debris remains, repeat the process until the nosecone is visually clean.



After cleaning, if the residual moisture is present, wipe off with dry cloth or blow it off with compressed air ($\leq 50.75\text{psi}$) until there is no moisture in the interior and exterior.

When blowing off with compressed air, cover the nosecone with cloth to prevent scattering of water. Proceed to 5: Cleaning and Lubrication.

5. Cleaning and Lubrication

Cleaning and Lubricating the Interior

- Attach an E-Type spray nozzle to the nozzle of the PANA SPRAY Plus.
- Shake the can 3 or 4 times and insert the E-Type spray nozzle into the rear of the nosecone while holding the head of the nosecone with a cloth etc.
- Hold the nosecone and spray for 2 or 3 seconds until oil comes out of the nosecone tip. Repeat lubrication until foreign material stops coming out of the tip.



Caution

- Do not use sprays other than PANA SPRAY Plus. Using sprays other than PANA SPRAY Plus may cause the nosecone to overheat.
- Hold the spray can upright.
- Firmly hold the nosecone to prevent it slipping when spray pressure is applied.
- Spray lubricant until it expels from the nosecone tip.

6. Sterilization

Autoclave is recommended for sterilization.

- Be sure to lubricate the nosecone before sterilization, following step 5: Cleaning and Lubrication.
- Autoclave 275°F for 20 minutes.



Caution

- Put the nosecone into a sterilization pouch by itself.
- Never use dry heat sterilization, cold sterilization, etc.
- Never autoclave the nosecone combined with others in the same sterilization pouch.
- Never place the nosecone at the bottom of an autoclave chamber, as the temperature may rise above the actual setting temperature.

7. Warranty

Patterson guarantees the Patterson nosecone for 10 months subject to the observance of maintenance instructions, cautions, warnings and normal use.

Note:

- Patterson reserves the right to analyze and determine the cause of any failure.
- Guarantee is void if breakage, accident or any other issues are caused by neglecting daily maintenance, cautions, warnings, or any other misuse and common sense in use.
- Dismantling or reassembling by any third parties other than the Patterson Service Center voids guarantee.

Pour une version en français du manuel d'utilisation, veuillez vous rendre sur le site Web de Patterson: <https://www.pattersondental.com/fr-CA>

Manufactured for:
Fabriqué pour :

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