Caution

General Cautions:
- This handpiece is intended for use by dental professionals only.
- Do not use this for the treatment in dental surgery.
- NSK handpieces should not be rebuilt.
- Should the handpiece function abnormally, cease operation immediately and return the handpiece to the dealer for repair.

Cautions on Operation:
- This handpiece is designed for identical treatment and precision technical use. Longtime excavation with high torque with thick burs such as 4mm or greater in diameter may cause a short life to the bur, hard-to-pull-off bur or bur drop-off, which results in injury.
- Do not allow any impact on the shank. Do not drop the handpiece.
- Check the vibration, noise and overheating outside the patient’s oral cavity before use. If any abnormalities are found, stop using immediately and contact your dealer.
- 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.
- Be sure to check on the device and the components periodically.
- Make sure that the product is normal by rotating it with attention to backlash, vibration, noise, heat generation, when you use it again after a long time.

Caution
Do not connect or disconnect the handpiece until the motor has completely stopped.

1. Specifications

<table>
<thead>
<tr>
<th>EX-5B</th>
<th>EX-5BM</th>
<th>EX-6B</th>
<th>EX-6BM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bur Lock Ring</td>
<td>Nose Cone</td>
<td>Sheath</td>
<td>Sheath</td>
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</tbody>
</table>

- Allowable Max. Speed: 40,000min⁻¹ (rpm)
- Burs: ISO 1797-1 Type2 ø2.35mm HP Bur
- Chucking Length: 30mm
- Max. Bur Length: 44.5mm
- Max. Working Part Diameter: ø4mm
- Gear Ratio: 4:1
- Accept ISO 14457 2012 Prophy Handpiece

2. Connecting & disconnecting the motor and the handpiece

To connect the motor to the handpiece, align the positioning marks of the motor and the handpiece, and insert straightly. To disconnect, hold the front part of the motor and the back part of the handpiece, and pull out straightly.

3. Insertion & Removal of the Bur

3-1 To Insert the Bur
1) Turn the Bur Lock Ring in the direction of the mark until it clicks. (Fig.1)
2) Insert the bur fully into the chuck then turn the Bur Lock Ring in the direction of the mark until it clicks. (Fig.2)
3) Test that the bur is secure by gently pulling and pushing the bur.

3-2 To Remove the Bur
1) Turn the Bur Lock Ring in the direction of the mark until it clicks then remove the bur.
**Caution**

- Never clean the handpiece (EX-5B, EX-6B, EX-6D) in boiling water.
- Do not wipe with, or clean or immerse in, high acid water or sterilizing solutions.

**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 Plus / PANA SPRAY can upright.

**CAUTION**

- Make sure to align the mark with the mark. If those marks are not completely aligned, it may cause handpiece overheating or patient burn injuries.
- Always insert the bur fully into the chuck. Insufficient insertion of the bur could cause premature failure of the bearing.
- Remove the bur only after the handpiece has completely stopped rotating.
- Do not rotate the handpiece when the Bur Lock Ring is turned to "OPEN" position or a bur is not inserted.
- Always keep the bur shank clean.
- Keep the PANA SPRAY Plus / PANA SPRAY can upright.

**5. Cleaning and Sterilization**

**Cleaning**

The products listed below are washable with Thermo Disinfector.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX-5BM, EX-6BM, EX-6DM</td>
<td>Clean the handpiece with alcohol-dipped soft tissue or cotton.</td>
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</tbody>
</table>

**Sterilization**

1. Clean the handpiece sheath as described above.
2. Lubricate the handpiece with PANA SPRAY Plus / PANA SPRAY. (Ref. 4. Lubrication)
3. Place handpiece into autoclaving pouch and seal it in accordance with instructions on the pouch.
4. Autoclavable up to max. 135°C (275°F).
   - 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 of 131°C for more than 15 minutes is recommended by EN13060 or EN ISO17665-1.

**Caution**

- Never clean the handpiece (EX-5B, EX-6B, EX-6D) in boiling water.
- Do not apply excess pressure to the bur as it may break or bend or become difficult to remove.
- Do not exceed the bur speed recommended by the bur manufacturer.
- Do not exceed maximum bur length recommended by the handpiece manufacturer.
- Do not rotate the handpiece when the Bur Lock Ring is turned to "OPEN" position or a bur is not inserted.