



Star High-Speed Handpiece and Swivel Lubricating, Cleaning and Sterilization

While dental handpieces are designed as “semi-critical” by the CDC Guidelines for Infection Control in Dental Health Care Settings they should always be heat sterilized between uses and not high-level disinfected.

Handpiece

Cleaning: After each use:

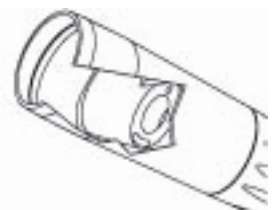
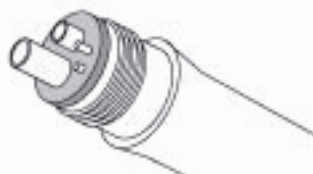
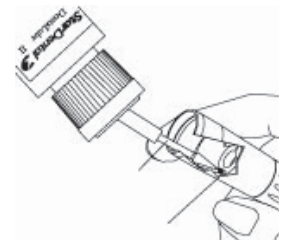
- Clean the external surfaces with isopropyl alcohol
- Remove the swivel and using a cotton swab soaked in isopropyl alcohol, swab the internal surfaces at the rear of the handpiece
- Sterilize handpiece at maximum of 135C degrees.
- Allow handpiece to complete drying cycle. Damage can result to handpiece if not properly dried.

Lubricated Handpieces

Lubrication not necessary for Star LubeFree handpieces)

LUBRICATE AND CLEAN AFTER EACH USE

- Place 2 drops of StarDental DentalLube into the drive air orifice at the rear end of the handpiece
- Reconnect handpiece to swivel or directly to tubing. Place a paper towel over the handpiece head and operate handpiece for 20 seconds to expel excess lubricant



- Clean the external surfaces with isopropyl alcohol
- Remove the swivel and using a cotton swab soaked in isopropyl alcohol, swab the internal surfaces at the rear of the handpiece

CHUCK CLEANING: Perform Weekly with StarDental Junk Out Chuck Cleaner

1. Assemble the brush into handle.
2. Use one new brush per cleaning application. Do not reuse brushes.
3. Remove bur from chuck.
4. Dip brush into Junk Out . Remove excess cleaner from brush.
5. Insert brush into bur end of turbine. Do not rotate brush during insertion.
6. Once brush is inserted, gently rotate the brush and insert in and out of the bur tube several times.
7. Chuck cleaning is complete

Sterilization

1. Wear puncture resistant gloves to prepare handpiece for sterilization.
2. Confirm that a bur is in the handpiece chuck (never operate handpiece without a bur in place)
3. After each patient, flush air and water by running handpiece for 20 seconds.
4. Remove bur. Disconnect handpiece from swivel (or tubing if direct connect).
6. Clean all external surfaces of attachment using a soft cloth with isopropyl alcohol.
7. Dry thoroughly, if lubricated handpiece, lubricate daily as described in *Lubricating & Cleaning*.
8. Sterilize handpiece at maximum of 135C degrees.
9. Allow handpiece to complete drying cycle. Damage can result to handpiece if not properly dried.

Swivel –

Instructions for swivels containing water lines.

Clean daily to optimize the operation of the swivel connector

1. Disconnect handpiece from swivel
2. Disconnect swivel from tubing.
3. Depress foot control, verify water exits tubing.
4. Remove swivel and locate water tube at front face of swivel near glass.
5. Remove rear seal from swivel.
6. Locate small water line at back end of swivel and gently remove
7. Insert cleaning wire into both ends of water line.
8. When wire will not insert, move back and forth to make sure there is no debris blockage.
9. Reassemble duckbill and rear seal.

Cleaning Mating Parts

1. Swab all internal surfaces of the handpiece with a cotton swab soaked in isopropyl alcohol until clean.
2. Clean the internal surfaces of the threaded coupler.
3. Dry using syringe air.

Bearing/Spring Assembly

1. Clean bearing/spring assembly at the rear swivel using isopropyl alcohol.
2. Dry using syringe air.

Cleaning Optical Surfaces of the Swivel

Caution: Prior to cleaning, let the lamp cool for a few minutes before removing. After cleaning, let lamp dry completely before reinstalling.

1. Clean surface of glass weekly using a cotton swab soaked in isopropyl alcohol until clean.
2. Use firm rubbing motion to remove debris and mineral deposits.

Sterilization

1. Wear puncture resistant gloves to prepare handpiece for sterilization.
2. Remove the bur from the handpiece prior to sterilization.
3. Disconnect handpiece from swivel (or tubing if direct connect).
4. Clean all external surfaces of attachment using a soft cloth with isopropyl alcohol.
5. Dry thoroughly. Do not use syringe air. If lubricated angle lubricate daily as described in *Lubricating & Cleaning*.
6. Place handpiece or swivel into sterilization bag; use paper or paper/plastic bags only.
7. Follow the sterilization guidelines as stated by your manufacturer's sterilizer.
8. Sterilize per instructions below.
9. Allow to complete drying cycle. Damage can result to if not properly dried.

A **wrapped** handpiece or swivel should be steam sterilized at 132 C degree for a minimum of 10 minutes or at 121C degrees for a minimum of 50 minutes. Do not exceed 135C degrees.

An **unwrapped** handpiece or swivel should be steam sterilized at 132 C degree for a minimum of 8 minutes or at 121C degrees for a minimum of 30 minutes. Do not exceed 135C degrees.

Do not exceed the sterilizer manufacturer's guidelines for load capacity.

Caution: Use steam sterilization exclusively for complete sterility. Never dry heat sterilize, ultrasonically clean or expose angle to chemical disinfection or cold sterilization by:

- Immersion techniques or Surgical milk
- Surface wipes, Hand soap or detergents
- Surface sprays
- Sterilization bags containing disinfectants