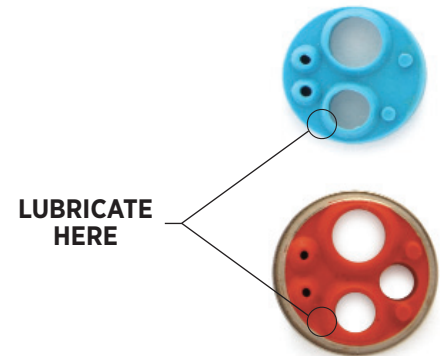


10 EASY STEPS TO LONGER BEARING LIFE

Correct lubrication and sterilization procedures together with proper PSI settings are the most important factors for maximizing bearing longevity.*



Step 1: Prepare and clean handpiece.

Be certain to remove any visible debris; you may use a soft bristle brush under warm running water. If you choose to use soap or detergent, thoroughly rinse and dry. **DO NOT** soak or place the handpiece in an ultrasonic cleaner, unless the manufacturer specifically recommends to do so. **NOTE: Some handpieces such as Star 430SWL Vortex models cannot be exposed to any soaps or disinfectants.**

Step 2: Pre-sterilization lubrication.

Lubricate the handpiece with the recommended manufacturer's lubricant and nozzle (if applicable), typically we suggest applying a 1-2 second burst of spray-type lube or 3-4 drops if using a drop-type lubricant. **NOTE: Some handpieces such as STAR 430SWL Vortex models do not require lubrication.**

Step 3: Insert and secure a bur in the chuck.

Re-attach handpiece to tubing or use a handpiece flush system.

Step 4: Distribute lubricant.

Run handpiece at 50% speed for approximately 20-25 seconds—this will expel the excess lubricant AND carry away any loose dirt and debris.

PLEASE NOTE: If after this step you still see discoloured lubricant being discharged from the handpiece head, repeat steps 2-4. By maintaining a clean turbine, you will ensure maximum bearing longevity. Failure to do so will result in excess debris accumulating within the head area, which will bake on the bearings during each heat sterilization cycle.

Step 5: Remove bur from chuck.

Clean fiber optics with a cotton swab moistened with isopropyl alcohol. Bag and autoclave handpiece per manufacturer's instructions. **NOTE: For better drying, place bag in the sterilizer tray with the paper side of the bag facing up.**

Step 6: Post-sterilization lubrication.

Once the sterilization cycle is complete and the handpiece has cooled down, **if post-sterilization lubrication is required** (N/A with KaVo Spray or STAR Vortex handpieces), and if applicable re-lubricate 1 second with spray type lube or apply 1-2 drops of drop-type lubricant (see illustration). **NOTE: To avoid cross-contamination, be sure to use a separate can or bottle of lube. Proceed to Step 10 if post-sterilization lubrication not needed.**

Step 7: Purge the delivery unit.

Flush the air and water lines of dental unit for 20 seconds, prior to connecting the handpiece to the tubing.

Step 8: Purge the handpiece.

Re-insert bur, re-attach handpiece to tubing or handpiece flush system. Run handpiece at 50% speed for 15-20 seconds.

Step 9: Clean the handpiece body.

If any lubricant remains on the handpiece, gently wipe the body with a clean gauze pad.

Step 10: Begin using handpiece.

That's all there is to maintaining your handpieces! Your sterilized handpiece is now ready for use or storage.

Additional Notes

NEVER cheat your burs. **ALWAYS** fully insert a bur into the chuck and secure properly. If you attempt to extend it from the chuck the bur may dislodge while in use, causing injury to you and your patient. It will also contribute to premature bearing and chuck failure and may void your warranty.

NEVER use any type of tool to remove a stuck bur from a chuck. Doing so can cause irreversible push button chuck damage. Call Bowen instead!

NEVER use a hot or warm handpiece directly from the sterilizer, doing so

will greatly reduce turbine longevity. Never place hot handpieces under cold water to rapid cool, allow for an adequate cool down period. For rotational purposes, a minimum of four handpieces are recommended per operatory.

ATTENTION MIDWEST HANDPIECE USERS! Remember to close the lever on all "power lever" handpieces prior to autoclaving. Always remove the bur from the power lever chuck prior to autoclaving.