

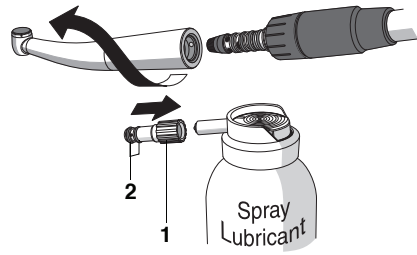
1

**LUBRICATION**

Apply spray lubricant prior to every sterilization and after every thermal disinfection!

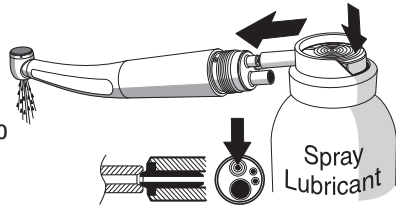
With prolonged use in one procedure, the handpiece should be lubricated at 15 minute intervals.

- Remove the drilling instrument.
- Pull handpiece off of quick coupling.
- Push appropriate spray attachment (1) onto nozzle of spray can as shown.



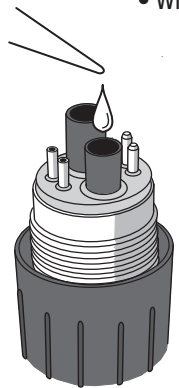
**NOTE:** The O-rings (2) must be undamaged.

- Grasp the handpiece with a cloth and push it onto the spray attachment up to the stop and hold it tight.
- Spray for 1 - 2 seconds. If the fluid flowing out of the head is still dirty, spray again. Let the highspeed handpiece run briefly in between to expel excess spray lubricant.
- Wipe off emerging oil when the highspeed handpiece is not running.
- Before using the highspeed handpiece let it run briefly and wipe off any excess oil when the handpiece is not running.

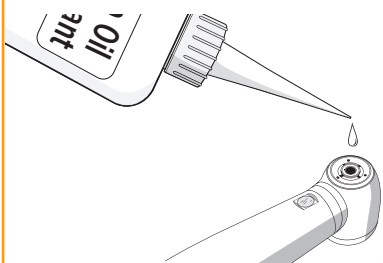


**Care with Drop Oil Lubricant**

- Wipe handpiece to clean exterior of debris using alcohol.



- Insert appropriate coupler to handpiece.
- Place 2 drops of oil lubricant into the drive air tube.
- Place 1 Drop of oil into spindle opening.
- Insert ProDrive test bur to the fully seated position.
- Connect handpiece to the air station and operate at manufacturer's recommended operating specifications, for 30 seconds to purge all excess oil from the handpiece.
- Wipe off excess oil from handpiece with a wipe cloth. Remove ProDrive test bur from the handpiece.



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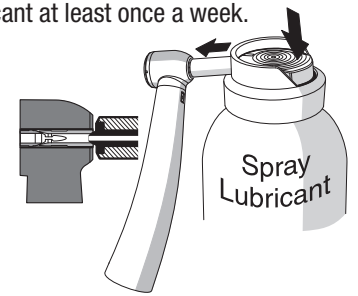
**CLEANING**

In order to eliminate deposits and preserve the function of the chucking system, the collet chuck should be cleaned only by spray lubricant at least once a week.

Attach highspeed handpiece head with chuck securely to nozzle of spray can and spray collet chuck for 1 - 2 seconds.

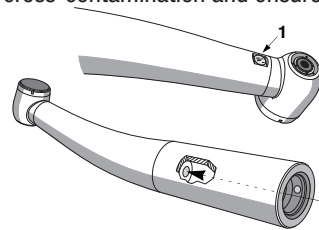
Always hold the spray can upright!

Wipe off emerging oil with a lint-free cloth.



**Cleaning & Disinfection**

This procedure recommends the steps to follow between each patient use to prevent cross-contamination and ensure continued trouble-free operation of your ProDrive handpiece. Manual cleaning must always be combined with disinfection.



**Cleaning the Handpiece**

The highspeed handpiece can be brushed off under running water (of at least drinking water quality).

**Cleaning Light Guide Surfaces**

Blow surfaces (1) clean with compressed air to prevent scratching, dust or dirt particles etc. Wipe off surfaces using a cotton pad or a soft cloth with alcohol

**Disinfection**

The ProDrive Standard/Mini highspeed handpieces can be disinfected with steam at temperatures of up to 105° C (221°F), (3 min. holding time).

The ProDrive Standard/Mini highspeed handpieces are completely washable in the thermal disinfector at temperatures of up to 95°C.

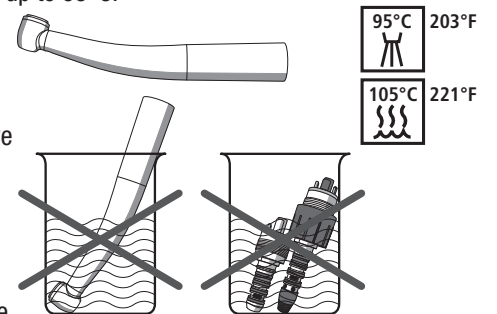
Treat with spray lubricant afterwards. You must choose only instrument disinfectants whose bactericidal, fungicidal and virucidal properties have been tested and properly approved.

Spray and wipe disinfection of quick couplings and ProDrive Standard/Mini highspeed handpiece using chemical disinfectants is permissible only on the exterior surface!

You can use for instance: CAVICIDE® or CAVIWIPES™

**Caution!:** Never immerse in disinfectant solutions!

Do not thermally disinfect quick couplings!



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**STERILIZATION PROCEDURES**

The ProDrive Standard/Mini highspeed handpieces may be sterilized only in autoclaves with saturated water vapor at 136 °C (277 °F), at 220 kPa (2.2 bar, 31.9 psi) for 10 minutes. Do not sterilize quick coupling!

**Caution!:** Do not exceed 284°F (140°C) during the drying phase!

Approved for sterilization are steam sterilizers that at least use fractionated vacuum and are suitable for the sterilization of highspeed handpieces.

Before sterilizing: Remove bur, Clean and disinfect highspeed handpiece, Apply spray lubricant to highspeed handpiece for protection.

**Caution!:** Do not hasten cooling by submerging in water or placing the handpiece under running water. This will permanently damage your handpiece.

**NOTE:** Sterilize again once the storage period has elapsed.

**Cleaning The Cooling Spray Jets**

If calcareous tap water is used, the cooling spray jets may be partially or fully clogged due to calcification.

**Caution!:** A sufficient quantity of coolant must always be available during preparation (proportion of water >50 ml/min). Deficient cooling will cause overheating of the preparation spot, resulting in damage to the tooth.

We therefore recommend that you regularly clean the jet openings carefully with the cleaning wire (1).

Then let the highspeed handpiece run briefly with cooling spray.

