

EN

# Manual and Machine cleaning procedure of medical products

Newly delivered unsterile instruments must be prepared accordingly before first use!



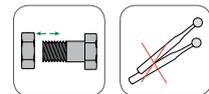
## 1. Pre-treatment

- › Abrasive impurities need to be removed from the products directly after use (within two hours maximum). To do so, use running water or a disinfectant solution (must not contain aldehydes, its effectiveness should be established, suitable and compatible for the products)



## 2a. Cleaning and disinfecting

- › Disassemble the products
- › Place the disassembled products in the cleaning bath for the prescribed contact time and concentration, take care that the products do not touch each other
- › Products with lumen: rinse all instrument lumens 5 times at the beginning or at the end of the contact time using a disposal syringe and a cannula
- › Take the products out of the cleaning bath and rinse at least 3 times thoroughly with water
- › Check the products
- › Dry the products by blowing them dry using filtered pressurised air (Use only filtered air for drying and water that is either sterile or low in germs and endotoxins)
- › Wrap the products



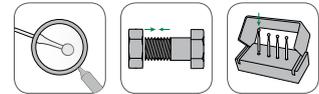
## 2b. Cleaning and disinfecting with disinfectant / RDG (MACHINE CLEANING)

- › The effectiveness of the disinfectant has to be certified
- › Disassemble the products as far as possible
- › Place the disassembled products in the disinfectant and take care that the products do not touch each other
- › Start the program
- › Remove the products from the disinfectant after the program has finished
- › Check and wrap the products straight after removal if possible
- › Ensure that the disinfectant is regularly maintained and checked. Use only filtered air for drying and water that is either sterile or low in germs and endotoxins



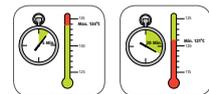
## 3. Checking / Maintenance / Packaging

- › Check the products for corrosion, damaged surfaces, bare patches, broken, chipped-off edges, deformations or impurities and eliminate damaged products. Products that are still contaminated need to be cleaned and disinfected once more
- › Re-assemble disassembled products, instrument oil must not be used
- › Arrange the cleaned and disinfected products in the dedicated bur block / sterilisation tray.
- › Wrap the products, bur blocks, sterilisation trays using disposable sterilisation packaging (disposable or double packaging) or sterilisation containers



## 4. Sterilisation

- › Steam sterilisation: use of a fractional vacuum process or a gravitation process
- › Maximum sterilisation temperature 134°C (273°F)
- › At least 3 min (or 18 min at prion deactivation) at 132°C (270°F) / 134°C (273°F) and drying time of 20 min

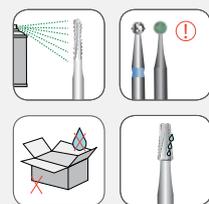


## 5. Storage

- › The products need to be stored in sterilisation wrapping in a dry and dust-free place. Please note the storage-life resulting from the validation of the sterilisation wrapping



- › New unsteril supplied instruments must be prepared before first use.
- › Instruments made of tool steel are not suitable for sterilisation without an appropriate pretreatment.
- › When cleaning instruments unprotected against corrosion (like steel instruments) a corrosion-inhibiting disinfectants and cleaning agents must be used and they have to be pretreated with rust preventing spray before sterilisation.
- › Furthermore, make sure that instruments of different materials should never be reprocessed together.
- › Use particular care during the cleaning of the grinding surfaces of the instruments and ensure that all residues are removed by using a brush.
- › In case of severe contamination of the instrument, it is recommended to use an ultrasonic bath for cleaning.
- › Usage of protection gloves during work with contaminated instruments is highly recommended!
- › Bur blocks / instrument trays:
  - › Cleaning and disinfecting only without products being loaded (products must not be cleaned and disinfected whilst they are in the bur block / instrument tray)
  - › Burblocks and other instruments made of aluminum (or other light metal) are not suitable for cleaning using a disinfectant RDG
- › Please follow the manufacturer's instructions and the maintenance specifications for using of the autoclave and the disinfectant.
- › The method of use, reaction time and suitability of disinfectants and cleaning agents for certain types of instrument are covered by the manufacturers' instructions.



These is a comprehensive description of our detailed reprocessing advices. This can be found on our website, in our catalogue on page 20 and on request we'd be pleased to send you the printed information.