

# Instruction

## Reusable surgical instruments



Lothar Denzel Medizintechnik  
take – off Gewerbepark 131  
78579 Neuhausen  
Germany

You receive a high quality product in purchasing this instruments, whose appropriate handling and use is described in the following. We ask you to consider the instruction to keep the risks and unnecessary stress to the patient lo as possible.

### 1 Inspections

The instruments must be inspected for their operational capability before each use.

Damages on the surface like scratches, cracks, holes, hacks etc. as well as twisted parts mean that the instruments must be repaired and are not allowed to use.

Don not work with damaged instruments.

### 2 Operational area

We produce our instruments as standard instrument for the operational application. The attending doctor is responsible for the selection of the instruments for special applications or the operational application. The doctor is also responsible for an adequate education and sufficient information for the surgical personnel and the sufficient experience in handling the instruments.

### 3 Handling

The instruments are not allowed to be overused through wringing or levering, because this can lead to a damage or a break of instrument parts.

### 4 Materials

*Instrument parts: The used materials are rust-free steels according to DIN 17442 (1.4024)*

*Processing: High gloss or low gloss polished*

### 5 Storage advices

The instruments are partly very sensitive. Therefore they should be kept separately in their package or in a securing container with single boxes. Protect the spikes with tissue, gauze or tubes. For avoiding corrosion, you have to consider especially, that no chemical products are in direct proximity. Storage the instruments dryly.

### 6 Sterilization and cleaning

The instruments are to be cleaned and sterilized before the use. After each use the instruments should be necessarily cleaned immediately. We recommend a manual cleaning, because our instruments are sensitive normally. Eliminate blood and other residues with a sot brush and a smooth abstergent agent. Should you however clean the instruments in a washing machine or in an ultrasound purifier, you have to consider that the instruments are stored securely to avoid an opposite damage. The instructions of the equipment manufacturer are to be considered with a mechanical cleaning. An overdose of abstergent agent is also to avoid.

Clean, inspect and check each instrument systematically. You should particularly attend to difficult areas during the cleaning. If an instrument can be disassembled it should be cleaned in the disassembled condition. Sterilize all instruments before the use.

<i>Recommended sterilization method:</i>	Steam-sterilization with fractionated vacuum
<i>Recommended temperature:</i>	134 °C
<i>Recommended pressure:</i>	3 bar
<i>Soak:</i>	≥ 5 min

With the sterilization, the instruction of the equipment manufacturer is to be considered exactly for the recommended application.

#### **Attention:**

In the case of the application of the instruments with patients with the Creutzfeldt-Jakob disease or a HIV-infection, we reject each responsibility for the reuse.

### 7 Guarantee

The instruments were produced of high quality steel and were put to a quality inspection before the delivery. Contact our service if failures appear however.

But we can not assume the guarantee if the instruments are adapted for the particular practice. This, the operator must decide for himself.

We can not assume the responsibility for casual or devotional damages.

By repairs through companies, that are not authorized of the company Lothar Denzel Medizintechnik for repairs, the guarantee is inapplicable.

**THE COMPANY LOTHAR DENZEL MEDIZINTECHNIK DOES NOT ASSUME THE RESPONSIBILITY IF THERE IS AN EVIDENCE THAT IT WAS CONTRAVENED AGAINST THIS INSTRUCTION.**